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Routledge 627 1911
"HIGHEST QUALITY" SEEDS PLANTS & BULBS
GARDEN SUPPLIES



NEW DAHLIA
GEISHA

Routledge
SEED & FLORAL CO

169 SECOND ST. DEPT. 1
PORTLAND, ORE.

The following premiums are given only when cash accompanies each order at prices printed in this catalog.

Note.—Premiums NOT ALLOWED on Cut Flowers or Floral Designs, Fertilizers, in bulk, Sprays or Poultry Foods.

Instead of limiting you to certain seeds, or collection of seeds, as most companies do, and which does not always appeal to customers, we will be more liberal and allow you to make your own selection, which we believe will be more satisfactory. We offer as follows:

SPECIAL During the months of January, February and March we will give free a 25c collection of Tulip, Narcissus or Hyacinths, with each purchase of \$1.00 or more, as long as our bulbs last. This is in addition to our regular premiums.

Order early and take advantage of this special premium. Only the best bulbs sent.
ON MAIL ORDERS AT POSTPAID PRICES

With every purchase of \$1.00 you are allowed, free, any 10c packet of vegetable or flower seed we list, or equal value in Gladiolus or Dahlia Bulbs; Strawberry, Mammoth, Logan, or Phenomenal Berry plants. Remember, 10c on each and every dollar, i. e., 20c on \$2.00; 30c on \$3.00, etc.

ON FREIGHT OR EXPRESS ORDERS AT BUYER'S EXPENSE

The above offer applies on equal value of "Wilgrow" in packages, vegetables or flower seeds in bulk, fruit, shade or ornamental trees, shrubs, or vines and rose bushes. (Annual vegetable and flowering plants excepted.)

NOTE.—THESE PREMIUMS MUST BE ASKED FOR AT TIME ORDER IS GIVEN, OTHERWISE THEY WILL NOT BE ALLOWED. WE RESERVE THE RIGHT TO CHANGE ANY SPECIAL VARIETY ASKED FOR, SHOULD WE BE SHORT OF STOCK.

CUT FLOWERS AND FLORAL DESIGNS.



During the past season we had so many requests for Cut Flowers, Floral Designs and Bouquets from our many customers throughout the state that we have decided to continue to supply our customers. We are in a position to fill all orders promptly and with the choicest flowers.

Please Note.—We do not aim to keep any cut flowers on hand at our store. All city orders delivered and out-of-town orders expressed direct from the greenhouse. This insures your getting choice, fresh cut flowers.

Telegraph and telephone orders receive prompt attention. In phoning, please ask for the Cut Flower Department, so as to get the man "who knows" without delay.

Prices.—We cannot make prices that will hold good during every month of the year, but the following prices are a good guide. The lower price quoted is for stock during the season when the flowers are plentiful or for standard sorts. The higher prices are for the newer and more choice varieties, and also apply on the standard sorts when stock is scarce.

Note.—Season follows each variety.

	Per dozen.
CARNATIONS, Pink, White, Red.....	75c to \$1.50
ROSES, Pink, White, Red.....	\$1.50 to 3.00
LILIES OF THE VALLEY—January to May.....	.75
CALLA LILIES—January to May.....	2.50
EASTER LILIES—March to April.....	3.00

EASTER LILIES—May to June, per dozen.....	\$2.50
FASTER LILIES—Potted, per pot.....	\$1.50 to 2.50
VIOLETS, per bunch.....	.50
BOUQUETS, for Brides and Bridesmaids, Commencement Exercises, etc.....	\$3.00 to \$5.00 upwards

FLORAL DESIGNS FOR FUNERALS, ETC.

Kindly tell us design wanted and flowers mostly preferred, but we suggest that you leave the balance to our expert florist, who keeps posted as to the latest creations in design work. Orders filled and delivered on short notice.

CASKET SPRAYS of Carnations, Roses, Chrysanthemums or Lilies:	Each
Small.....	\$ 2.50 to \$ 5.00
Large.....	10.00 to 25.00
ANCHORS, 14 to 28 in.....	4.00 to 10.00
BROKEN COLUMN, 24 to 42 in.....	10.00 to 25.00
BROKEN WHEEL, 24 to 42 in.....	6.00 to 15.00
CROSS AND CROWN (Masonic).....	10.00 to 20.00
CROSSES, 14 to 28 in.....	4.00 to 10.00
EASTERN STAR DESIGN.....	5.00 to 10.00

	Each
GATES AJAR, 24 to 42 in.....	\$10.00 to \$20.00
HEARTS, 14 to 28 in.....	4.00 to 10.00
HARPS, 24 to 42 in.....	10.00 to 25.00
LYRE, 24 to 42 in.....	10.00 to 25.00
ODD FELLOWS' DESIGN.....	7.50 to 15.00
PILLOWS, 14 to 28 in.....	5.00 to 25.00
STAR AND CRESCENT, 24 to 36 in.....	6.00 to 12.00
STARS, 12 to 18 in.....	4.00 to 5.00
SQUARE AND COMPASS (Masonic).....	5.00 to 15.00
WREATHS, 14 to 28 in.....	4.00 to 10.00

Quantity.	NAMES OF ARTICLES WANTED.	Amount.
Amount Brought Forward		
Total Amount of Order		

SPECIAL NOTICE.—We shall esteem it a great favor if you will give us in the spaces below the names and addresses of some of your neighbors or any acquaintances in the West whom you think would be interested in this catalog. For your kindness, we will enclose some seed, which you do not order, free of charge.

NAME	POST OFFICE	R. F.D.	STATE

Don't Forget—You Need a Package of “Wilgrow.” See Page 89.

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The Successful Growing of Sweet Peas.

SEED.—Of course it is not necessary to advise you to plant Routledge's Highest Quality Sweet Pea seeds, but still we want to impress upon you the fact that there is a vast difference between our select seed and the ordinary seed offered by most seed houses. Another point, if you want the best true large flowering Sweet Peas you can not obtain them by savoring your own seed. They mix and deteriorate.

SOIL.—The soil for Sweet Peas should be rich and deep. A good rich loam, with plenty of well-rotted manure in it, is the best soil for raising good plants that will produce plenty of blooms of large size with long stems. Soils that are at all heavy should be turned over in the autumn, and given during the winter months a good dressing of hardwood ashes or air-slaked lime. The ideal bed is made by digging a trench 18 inches deep and filling it about two-thirds full of well rotted cow manure, tramped down and covered with good soil. Sweet Peas do best in a position exposed to sunlight, at least the greater part of the day.

PLANTING.—Much depends on the state of the weather as to when the seed may be sown out-of-doors; but they should be sown as early in the season as the ground can be worked. For very early flowers, late fall planting is advisable, but the ground must be well drained or the seeds will rot. It is best to make a trench or furrow about six inches deep, in the bottom of which sow the ordinary seed thickly. The new "Spencers" are robust growers and do best if not crowded. Cover the seed with about an inch of soil, pressing it down firmly. As soon as they are above ground 2 or 3 inches, thin out to 2 inches apart ("Spencer" Varieties, 4 to 6 inches); if they are closer than this they do not usually attain their full development. As soon as the plants are about a foot high, the balance of the soil may be filled in the trench.

They should be staked up either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 5

feet high, and 6 feet would be better. It is better to put up the trellis before planting, and then a double row of seeds (one on each side) may be planted.

WATERING AND CARE.—During dry weather they should be watered thoroughly and frequently at the root, not on the flowers, and given an application of "Wilgrow" or some other quick-acting fertilizer when buds appear. A mulch, or rakings from the lawn, will be found beneficial during hot weather. The flowers should be cut as often as possible, and all withered blooms should be removed, to prevent the plants from running to seed, which would stop them from continuing in bloom. When picking, nip off the faded blooms, even though you leave the stems; it's little trouble, and keeps the seed pods off.

Sweet Peas should not be grown on the same soil two or three years in succession. In some gardens there is just one spot where it is convenient to have them, in which case the soil, to the extent of a foot wide and deep, should be removed, and replaced with new soil from another part of the garden.

A partial shade during the hottest parts of the day is very essential to secure the best color in the orange and lavender shades.

INSECTS.—If Sweet Peas should be attacked by the green, black or white fly, they should be thoroughly sprayed with one of the several Nicotine preparations that we offer on page of "Spray Material."

The greatest enemy of young Sweet Peas is the cut-worm or slugs, and they are so destructive as to almost prevent some people from having a good stand of Sweet Peas at any time. They usually take the young shoots as soon as they appear. They work during the night mostly. If you are troubled with these slugs, it is advisable to sprinkle, lime "soot" or our prepared Slug Destroyer, over the seed rows at planting time and again when vines appear if necessary.

Remember Routledge's Sweet Peas Are Unsurpassed.

Portland, Ore., Jan. 2nd, 1911.

Dear Customers and Friends:

This is the new Annual we have prepared for you for season of 1911. It is large and more complete and we trust will please you. You will find this catalog a safe guide to buy from, and any orders sent to us by mail will have our prompt and careful attention. You could not get better stock or service if you come in person. We certainly appreciate the large volume of business given us during the past season and take this opportunity to thank you, one and all. We are led to believe that our effort to supply you with the "Highest Quality" Seeds, Plants and Supplies has been appreciated, for our business last year doubled.

Our Seeds, Nursery Stock and Supplies have real merit, and are far superior to those generally sold by wholesale houses and country stores. Really, there is a decided difference in quality. **A trial will convince you.**

We have the neatest, cleanest and most "Up-to-Date" Seed Store in the Northwest. We have enlarged and improved our store and have added many new lines of supplies of special merit. Our motto is, and always will be, "Quality first, Price as low as we can make it."

Each department of our business is in charge of a practical, experienced and reliable man, who knows Western conditions and stocks that will succeed here. We are catering to the best class of buyers, those who appreciate "High Quality" service etc. Our knowledge and experience is at your command always.

Trusting that you will again favor us with your valuable orders, we remain,

Yours, for Prettier Yards and More Productive Gardens,

SEED STORE AND OFFICE, 169 Second Street, Between Morrison and Yamhill

Routledge Seed & Floral Co.

IMPORTANT FOR YOUR GUIDANCE PLEASE READ

A reading of the following will prove an aid to you and to us.

EARLY ORDERS: Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

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

USE ORDER SHEETS: The use of our order sheets, enclosed in this and every catalog, is a great help to us in facilitating filling and shipping orders. More will be sent on request.

HOW TO ORDER: Write your name, post office, state and express office plainly on every order, and every time you write to us, also ask your questions and write your letters on separate paper from your order, which will help us and secure an earlier answer for you.

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.

REPORTS—GOOD OR BAD: Will you help us to attain greater success by writing and telling us how our Seeds, Plants and Trees 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.

ORDERS ARE PROMPTLY FILLED: We acknowledge receipt of all orders, so if you do not hear from an order sent us, within a reasonable time, write us, giving full information.

OUR TERMS: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method, customers should enclose a remittance of one-quarter of the amount with order.

SEEDS POSTPAID BY MAIL: We send all Vegetable and Flower Seeds, in quantities of one pound or less, by mail, postpaid, to any postoffice in the United States, at the prices named in this catalog, excepting Peas, Beans and Corn.

BY FREIGHT OR EXPRESS: In ordering seeds to be sent by freight or express at your expense, deduct 10c per pound from postpaid prices.

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

Note.—There are so many contingencies to be encountered in growing plants from seed and in setting out plants, trees, etc., that are dependent on the weather and other conditions over which we have no control that success is not altogether dependent on the seed or plant, therefore while we use every precaution in procuring fresh, pure and reliable seeds, etc., we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.: We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, trees or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.—Routledge Seed & Floral Co.

R. S. & F. CO.'S "HIGHEST QUALITY" SEEDS

We catalog only the very best varieties of both the newer and the older strains, those that are especially adapted to the peculiar conditions on the Pacific Coast. We have indicated by using larger, heavy-faced type the varieties that are the very best of their class. They are the varieties recommended by us.

ARTICHOKE

Large Green Globe.—The well-known French vegetable; the undeveloped flower-heads, when properly prepared, make a most delicious dish.
Pkt. 10c; oz. 35c; 4-oz. \$1.00
White French.—Grown for stock. See index.

ASPARAGUS

Save two years' time by planting Asparagus Roots (see index).
Early Giant Argenteuil.—Valuable on account of its earliness; produces a large yield and a more even growth than some of the other varieties; will resist rust.
Pkt. 10c; oz. 20c; 4-oz. 40c
Palmetto.—Early, prolific and uniformly large.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c
Conover's Colossal.—A good, standard sort of approved quality.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

BEANS

Dwarf or Bush—Yellow Podded

When ordering Beans by mail, add 10c per pound to cover postage

DAVIS KIDNEY WAX

The most hardy and productive wax bean. The pods are long, white, straight, crisp and tender. The vine is rustless and very vigorous, bearing the pods in clusters. For canning this is unexcelled on account of the purity of the pod and bean. It is a remarkably good variety for shipping; seed white, and on this account is desirable for a shelled bean in winter.
Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

WARDWELL'S KIDNEY WAX.—A strong-growing vine, 15 inches in height. A little later than Golden wax; pods long, broad, golden-yellow, brittle and entirely stringless; seed white, with dark markings about the eye. Market gardeners find this bean one of the most profitable.
Large Pkt. 10c; lb. 20c; 10 lbs. \$1.25

IMPROVED GOLDEN WAX.—One of the most popular garden varieties in cultivation. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red.
Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

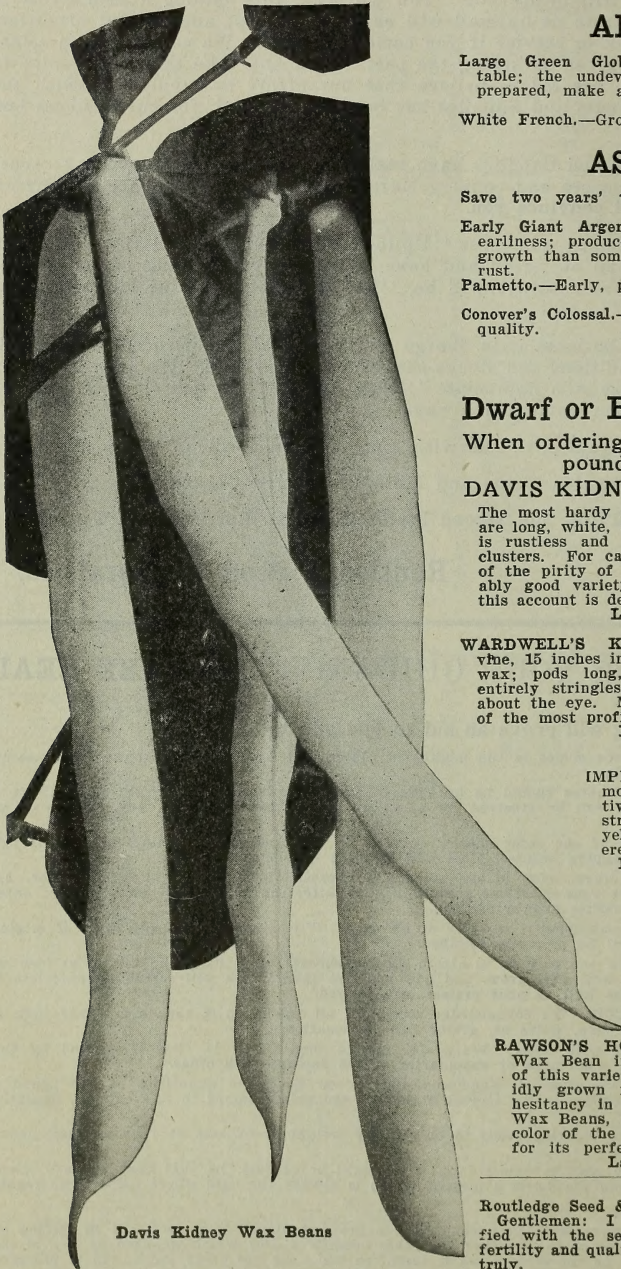
PROLIFIC BLACK WAX.—An improvement on the old Black Wax or Butter Bean. Very vigorous and prolific; pods fairly long, golden-yellow, very brittle, and stringless; seed black.
Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

RAWSON'S HORTICULTURAL WAX.—The finest Wax Bean in existence. Since the introduction of this variety a few years ago, it has so rapidly grown in popular favor that we have no hesitancy in claiming it as superior to all other Wax Beans, not only on account of the beautiful color of the pods and delicious flavor, but also for its perfect immunity from rust.
Large Pkt. 15c; lb. 25c; 10 lbs. \$2.00

La Fayette, Ore., Nov. 12, 1910.

Routledge Seed & Floral Co.

Gentlemen: I wish to say I was very well satisfied with the seeds which I got from you, both in fertility and quality. I think every seed grew. Yours truly,
MRS. STELLA I. POSTLE.



Davis Kidney Wax Beans

Market gardeners who buy Beans or any other seeds in quantity should write for prices, stating kind and quality wanted.

BEANS—Continued

Dwarf or Bush—Green Podded Kinds

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

BURPEE'S STRINGLESS GREEN POD.—One of the earliest and best of the stringless varieties. Pods very large, thick and straight. A fine, vigorous grower and very productive. Unsurpassed for the home garden in earliness and superior quality. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.25

DWARF HORTICULTURAL.—One of the best varieties for shell beans. Pods very handsome, being yellowish and thickly splashed with bright crimson. Very productive. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

BOUNTIFUL.—An extra early variety, with large, flat, green pods; stringless and very tender. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

Long Yellow Six Weeks.—A very productive, extra early variety with long, straight, thick pods. Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

Earliest Red Valentine.—One of the earliest. Erect growing vines, with coarse dark green leaves. Round pods, crisp and tender and of medium length. A fine snap bean. Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

Extra Early Refuge.—About two weeks earlier than Refugee, and possesses the same good qualities. Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

Broad Windsor.—The largest and best of this class. Broad, flat beans of delicious flavor. Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25

Climbing or Pole Beans

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

IMPROVED KENTUCKY WONDER (ASPARAGUS).—A very popular variety; often sold as asparagus. By far the best green podded pole variety. Pods green, very long, round, and perfectly stringless. Enormously productive and earliest. Unsurpassed for the table, being very tender and of delicious flavor. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.85

WORCESTER POLE.—The finest Pole Shell Bean in cultivation, and on account of its wonderful productiveness and superior quality takes first rank as a Pole Shell Bean. The strain we offer is an especially fine one. The long, thick pods are brilliantly colored with crimson carmine, and are borne in clusters. Unequaled for tenderness and delicious flavor. Large Pkt. 15c; lb. 25c; 10 lbs. \$2.00

EARLY GOLDEN CLUSTER WAX.—A very popular, early and fine variety; pods six to eight inches long, wide and flat, borne in clusters, each containing from three to six pods, which are golden yellow. The pods are of fine quality and remain in condition to use for a long time; seed flat and dull white. Large Pkt. 10c; lb. 30c; 10 lbs. \$2.00

Dutch Case Knife.—Fine for shell or string; early, very productive and of fine flavor; long, flat, green pods, turning white; beans broad, flat and kidney-shaped. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

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. Large Pkt. 10c; lb. 30c

Indian Chief (Pole Black Wax).—White, fleshy pods, not very long, and excellent as snap beans; very tender and perfectly stringless. The best of the Pole Butter Beans. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

Mont d'Or.—A very early, productive wax variety of superior quality; very tender. Large Pkt. 10c; lb. 25c

Horticultural Pole (Speckled Cranberry).—An old variety, but still one of the best for home garden; pods green streaked with crimson, becoming more pronounced as they mature; used as a snap or shell bean; very vigorous growth and of delicious flavor. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

Pole Lima Beans

King of the Garden Lima.—The largest podded variety and very productive; vines very vigorous, often producing pods six to seven inches long, containing five or six large beans; of fine flavor. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

Early Leviathan.—One of the newer varieties and the very best pole variety in cultivation; vine very tall and strong; pods long and borne in clusters; beans large and white; is early, strong-growing and prolific. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

Dwarf or Bush Lima

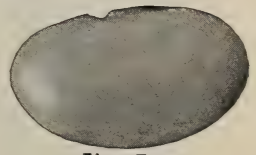
Burpee's Bush Lima.—The best late dwarf variety; plant 18 to 24 inches high; very prolific; pods large, and the beans also large and heavily ribbed; will bear until stopped by frost. Large Pkt. 10c; lb. 25c; 10 lbs. \$2.00

Dreers Bush Lima.—Beans thick, sweet and succulent. Pkt. 10c; lb. 20c

Henderson's Bush Lima.—Fully two weeks earlier than any other variety. Plant about 16 inches high, and very prolific; beans are small; especially recommended where the season is short. Pkt. 10c; lb. 20c; 10 lbs. \$1.75



Kentucky Wonder



Lima Bean (Shelled)

Free Premiums
See inside front cover

Market and Truck Gardeners should write us for special prices and state quantity and kinds wanted. We'll save you money.

BEETS FOR TABLE

ROUTLEDGE FAVORITE

In this beet we offer our customers a decided novelty. It is as early as Eclipse, perfectly globe shaped, with a single tap root, and of the richest color of any of the beets. It is a splendid keeper, is not excelled in yielding qualities by any other sort, is exceedingly tender, fine and sweet and is unequalled for table use. Market gardeners will find our Favorite a very profitable variety to grow, as no other sort approaches it in attractiveness or quality.

Pkt. 10c; oz. 15c; 4-oz. 30c; lb. \$1.00

CROSBY'S EGYPTIAN.—The finest and truest strain of Crosby Egyptian to be had. This variety is probably sown more than any other for an early Beet, as it reaches the desired size in much shorter time. The beets are of good size, rather flat than round, and flesh dark. Also used for forcing in hot-beds.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 80c

EDMAND'S BLOOD TURNIP.—Unsurpassed for late planting; deep blood-red flesh, very tender and juicy; runs very evenly in size and quite round; grows a small top; leaves dark red with dark midrib.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 70c

IMPROVED EARLY BLOOD TURNIP.—An extra selected stock of blood turnips, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature; excellent for summer and autumn use.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 65c

Egyptian Dark Red.—Very deep red, early beet, tender and delicious; often used for forcing.

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



Routledge Favorite Beet

Free Premiums
See inside front
cover



Giant Half Sugar Mangel

Detroit Dark Red.—Nearly globular, with smooth, dark skin and dark flesh, zoned lighter; a fine beet for late planting, maturing early and keeping crisp and tender for a long time.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 70c

Long Blood.—One of the very best for winter use; does not become woody and keeps well. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties.

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

Half Long Blood.—Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Swiss Chard (Sea Kale).—Cultivated largely for its broad leaf stalks, which are treated the same as asparagus. The young leaves are often used the same as spinach.

Pkt. 5c; oz. 10c; 4-oz. 25c

STOCK BEETS

Mangels and Sugar Beets

Price of all the following varieties: Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 35c, postpaid; 10 lbs. and upwards (purchaser paying transit), 22c per lb.

GIANT HALF SUGAR MANGEL.—A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer and yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet. Roots large, very smooth, with few rootlets; creamy white in color, with medium-sized top.

Mammoth Long Red.—A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the surface; roots quite regular.

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 soil, thus being easily harvested.

Yellow Giant Intermediate.—Roots very large, growing over one-half out of the ground; flesh white, sweet and tender; an enormous cropper.

French White Sugar.—The sugar beet most generally grown, as it combines, with heavy yield, from 10 to 13 per cent of sugar.

Lane's Imperial Sugar.—An old variety of the Sugar Beet, valued for its productiveness and large percentage of sugar.

KLEIN WANLEBEN.—This is the variety which is considered best in Germany for producing sugar, and is now taking the lead in this country for this purpose.

SCOTCH COLLIES THE MOST DESIRABLE AND FASHIONABLE CANINE COMPANIONS.
BUY ONE OF OUR HIGH-BRED PUPPIES. SEE LAST PAGE.

BROCCOLI

One ounce will produce about 2000 plants.
 White Cape.—Resembles cauliflower; very white and sure to head. Pkt 10c; oz. 40c; 4-oz. \$1.25
 Purple Cape.—Large heads, which are tinged with purple. Pkt. 5c; oz. 35c; 4-oz. \$1.00

BRUSSELS SPROUTS

One ounce sufficient for a seed bed 6 feet square or two sashes. Will produce about 2000 plants.
 Aigburth.—The finest variety of all the Brussels Sprouts; very large and of superior quality. Pkt. 5c; oz. 20c; 4-oz. 50c

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 about 2,000 plants. One-quarter pound of seed will produce plants sufficient for one acre.

EARLY JERSEY WAKEFIELD.

—The favorite early cabbage with our market gardeners. A sure header. The thick, stout leaves and compact habit make it the best for wintering over and very early setting. Stands today in an exalted position among early cabbages. It is grown more exclusively for market than any other early cabbage. It is always of good size, very solid, and has but few outside leaves; a reliable header, and always gives good satisfaction.
 Select strain, Pkt. 10c; oz. 35c; 4-oz. \$1.00; lb. \$3.00.



Early Jersey Wakefield

“Wilgrow”

Use a spoonful of Wilgrow to each cabbage plant, and you will have the best cabbage you ever raised. It's the greatest fertilizer ever prepared for vegetable and flower gardens. Only 25c a package. See Index, page 1-2.

Early Winnigstadt.—Regular conical heads, very solid and firm, and excellent keepers. Quite early and a sure header. Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

Early Spring.—Our strain of this variety is from extra selected stock, and we believe it to be unequalled by any other. It is the first early round-head cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. They are also very solid even when young, and with very small outside leaves. Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.50



Early Spring

HOLLANDER OR DANISH BALL HEAD.—True, pure seed. 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 the winter, coming out in the spring perfectly solid. Pkt. 10c; oz. 30c; 4-oz. \$1.00; lb. \$3.50

Perfection Drumhead Savoy.—A variety that is much prized in Europe, and also by those who are familiar with it in this country. It is very sweet and crisp, and always tender. Heads medium size and fairly compact. Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.25

Market Gardeners—

We want your trade. We make special prices for quantity. Send list of what you need.



Hollander—Ball Head

The Dalles, Ore., April 2, 1910.
 Routledge Seed & Floral Co.
 Gentlemen: The trees and plants reached me this morning and have been set out. I thank you very much for the choice stock and good packing. Respectfully,
 MRS. ELIZABETH LORD.

CABBAGE PLANTS.—During planting season we aim to have on hand large quantities of Cabbage and Vegetable Plants. See page 76.

CABBAGE—Continued

RAWSON'S PERFECTION

—A new strain for a main crop cabbage of very superior quality. It is as near to perfection as it can possibly be. Its marvelous uniformity of size, its perfection of form, its solidity of head and its excellence of flavor at once proclaim it as a variety of the highest possible merit.
Pkt. 10c; oz. 35c; 4-oz. \$1.25; lb. \$4.00.



35c Premium
on your first \$1.00 Order. See inside front cover

**FOR WEEDERS,
TROWELS, ETC.**
See Garden Tools

Mammoth Rock Bed.—Best hard-headed, red variety; large heads, globular, and very deep red on top; outer leaves greenish; especially used for pickling.
Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

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. 5c; oz. 20c; 4-oz. 65c; lb. \$2.25.

Bug Death

Kills all leaf-eating insects; excellent for using on cabbage. Can be used either dry or in water. Per lb. 15c
See Sprays, page 89.



Premium Late Flat Dutch

CORN SALAD

Fetticus or Lamb's Lettuce
One ounce sufficient for bed 20 feet square.
Large-Leaved Fetticus.—Used as a salad.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 60c

GRESS

Curled or Pepper Grass.—Used as a salad.
Pkt. 5c; oz. 10c; 4-oz. 20c
True Water.—This is quite distinct from the former and only thrives when its roots and stems are sub-

merged in water. It is one of the most delicious of small salads. Pkt. 5c; oz. 35c; 4-oz. \$1.00

CHERVIL

One ounce sufficient for 100 feet of drill.
Curled.—An aromatic herb, resembling parsley, and used for flavoring in soups and salads.
Pkt. 5c; oz. 10c; 4-oz. 30c

CHICORY

One ounce is sufficient for a bed of 4 square yards.
Large-Rooted, or Coffee.—Leaves, when blanched, make an excellent salad. Pkt. 5c; oz. 10c; 4-oz. 30c

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.

“HIGHEST QUALITY”

CAULIFLOWER

PLANTS IN SEASON

Routledge Snow White

Sold Only in Sealed Packages.

In competition with all other strains, this Cauliflower has won the approval of critical gardeners, being the earliest and best sort grown. It is suitable not only for early use, but is superior for late planting. The heads are hard and solid, and do not spread as do some of the inferior sorts. No other equals it in purity of color, being clear snow white. It is equally desirable for family use and for the market garden. The heads are large—from 9 to 12 inches in diameter. On account of its close growing, compact habit, many more plants may be grown on a given area than of the late spreading sorts.

Pkt. 25c; ¼-oz. \$1.00; ½-oz. \$1.75; oz. \$3.00



Routledge Snow White

EARLY SNOWBALL

This variety is much in demand by market gardeners for main crop. Its earliness, compact habit, large-sized heads and snow-white color recommend it to every grower as a variety of especial merit. We have an extra selected stock of this sort, and recommend it with the greatest confidence.

Pkt. 20c; ¼-oz. \$1.00; ½-oz. \$1.50; oz. \$2.50

NEW CALIFORNIA WONDER.—A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in Oregon and California, wherever tried.

Pkt. 10c; ¼-oz. 25c; oz. 75c; ¼-lb. \$2.25

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. 5c; ¼-oz. 15c; oz. 60c; 4-oz. \$1.75

Algiers.—A very popular late variety, with large heads. Pkt. 10c; ½-oz. 50c; oz. 75c; 4-oz. \$2.25

CARROT



Chantenay

Early Scarlet Horn.—An excellent variety for early forcing; grows with a small top; is very fine-grained, and of good flavor. Pkt. 5c; oz. 10c; 4-oz. 35c; lb. \$1.00

FRENCH FORCING.—A very popular variety for forcing. The root is globe-shaped, with distinct tap root; color bright orange-scarlet. Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

CHANTENAY.—The Market Gardener's Favorite.—Tops medium sized, necks small, roots tapering slightly, but uniformly stump-rooted and smooth; color deep orange red; flesh very crisp and tender; medium early; a heavy cropper, and is undoubtedly the best for both the market and private garden. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

DANVERS HALF-LONG IMPROVED.—A great favorite; big cropper, medium size; rich, dark orange. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Guerande, or Oxheart.—Bright orange, broad at the top and tapers abruptly in a small tap root. Length about 5 to 6 inches; very fine-grained and sweet. Excellent for shallow soils. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

Long Orange Improved.—The best of the long carrots, especially for stock; color bright orange, with long, tapering roots, requiring a deep soil. Our strain of this sort is extra fine. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Routledge Mammoth—For Stock

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. The roots frequently measure 15 to 20 inches in circumference, and 18 to 40 tons to the acre is not an extravagant statement as to yield. Large Pkt. 10c; 4-oz. 30c; lb. 90c; 2 lbs., enough for 1 acre, \$1.60.

Large White Belgian.—Extensively grown for stock feeding; roots pure white, green above ground and growing to a large size; flesh rather coarse. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

IMPROVED SHORT WHITE.—Ranks first as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested; roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color light green at the crown, white below; flesh rich, white, solid, crisp and of excellent flavor. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 65c

Market Gardeners who buy in quantity should send list of seeds wanted for special prices. We'll save you money.

TRUE SEED**CELERY****PURE SEED**

NOTE.—We are offering only the VERY BEST STRAINS of Celery Seed. Low-priced Celery Seed is very disappointing and practically worthless. Don't buy it.

R. R.'S WHITE PLUME**Our Leading White Celery**

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

Selected Pkt. 10c; oz. 40c; 4-oz. \$1.25; lb. \$4.00



White Plume.

PARIS, GOLDEN SELF-BLANCHING

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 being very extensively grown both for market and private use, not only on account of its ease of cultivation, but for its superior quality. It is not quite so early as the White Plume, but is of heavier and more compact growth, the stalks being thick, crisp and brittle. The hearts are large and solid, blanching a beautiful waxy yellow. It is tender and sweet and free from stringiness. Its flavor is rich and delightful. Our Private Stock seed is procured from a noted celery grower in France, and is very superior.

Select quality, Pkt. 10c; ½-oz. 50c; oz. 85c; 4-oz. \$3.00

Golden Yellow Self Blanching.—Same variety of celery as above, but is produced in California. It is of very fine quality, although we do not recommend it so highly as the French-grown seed. Large Pkt. 5c; oz. 30c; 4-oz. \$1.00

Giant Pascal.—Excellent for fall or winter use, and has increased in popularity every year. A large, tall grower of the finest nut flavor, being free from any bitter taste. Very broad stalks, blanching very quickly with little banking up. An admirable keeper. Pkt. 5c; oz. 20c; 4-oz. 75c; lb. \$2.50

Winter Queen.—One of the best winter varieties, and highly recommended. It is tall and forms a large bunch. The leaves are light green. Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.00

SOUP CELERY for Flavoring. 4-oz. 10c; lb. 35c

Lafayette, Oregon, April 6, 1910.

Routledge Seed & Floral Co.

Gentlemen: I was much pleased with the quantity of seeds in the packets which I got from you a few days ago, a larger amount than any I have had this spring and I have had seeds from five different seed houses. Now if the quality and fertility are equal to the amount, you may count on my trade in the future, and I buy quite a few seeds, as I have hot beds and raise plants to sell.

November 12, 1910.—I was very well satisfied with the seeds bought this spring, both in fertility and quality. I think every seed grew. Yours,

MRS. STELLA I. POSTLE.

Salem, Oregon.

Gentlemen: I wish to thank you for the seeds you sent me without charge. I have many fine plants from them. Yours truly,

MRS. EDWARD ROSTEIN.

Skullspring, Ore., April 18, 1910.

Gentlemen: I received the tomato plants I sent for and they were so nice and you were so prompt in delivery that I want some more of your plants. They were packed so well they never wilted at all.

Yours truly,

MRS. MAGGIE McCUMSEY.

CABBAGE PLANTS

From November 1st to following August we aim to have on hand large quantities of Vegetable Plants. See Vegetable Plant Department.

CELERY PLANTS**COLLARDS**

True Georgia.—Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places. Pkt. 5c; oz. 15c; 4-oz. 30c.

CELERIAC—Turnip-Rooted Celery

Large, Smooth Prague.—An improved form, producing large, smooth roots, which are nearly round. Pkt. 5c; oz. 20c; 4-oz. 60c.

Our prices are not the cheapest, but our seeds are of the HIGHEST quality. THAT MAKES THEM CHEAPEST IN THE END. Invest a little extra at planting time and you will reap a more profitable harvest.

SELECTED

CORN—Sweet or Sugar NORTHERN GROWN

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

Routledge Superb

Earliest of all

In this new northern grown table corn, we offer our customers the earliest, sweetest and most productive corn known, and we mean every word of it. No use writing a half page to say the same thing. We cannot understand why gardeners will persist in planting the old run out varieties that taste like field corn when cooked, when such a delicious, tender and productive corn as our "Superb" will double their sales and profit and please their customers. Routledge Superb will mature 7 to 10 days ahead of any other Sweet Corn and produce 2 to 5 moderately sized ears to the stalk. Try it.

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

Golden Bantam—Selected

ROUTLEDGE SELECTED SEED

(See illustration back cover.)

FLAVOR.—Without exception. Golden Bantam Corn is the richest in flavor of all varieties; a sweet corn of which one will never tire. The introduction of Golden Bantam affords a delicacy of surprising quality and rich flavor. The first trial of this superb Sweet Corn creates a taste "like more."

EARLINESS.—Golden Bantam Sweet Corn is one of the earliest sweet corns. It matures quickly and is suitable, not only for early planting (on account of its hardness), but a succession of sowings may be made during the season, giving a continuous supply until fall.

COLOR.—When picked at the proper stage of its growth, the kernels are a rich, creamy yellow. This deepens to an orange yellow as it ripens. Its first appearance often leads the purchaser to doubt its being a sweet corn. A trial, however, soon convinces that the color has no effect on its unsurpassed quality.

GROWTH.—Being dwarf in 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 12-rowed, and from 5 to 7 inches in length—just the right size to handle at the table. The kernels are wider than most sweet corn, and of good depth, the percentage of corn to cob being greater than on any other early variety.

THE BEST EVER.—We have yet to hear of one who has grown Golden Bantam Sweet Corn and was not well pleased with it. From all points come letters from pleased customers. So sure are we that it will satisfy every one who tries it this season, that we agree to refund the price paid us for Golden Bantam if it does not give perfect satisfaction.

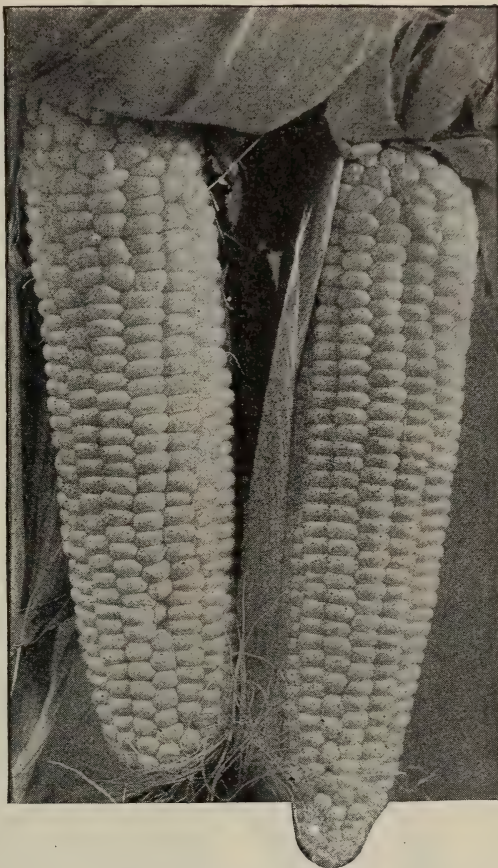
Large Pkt. 10c; lb. 25c; 10 lbs. \$2.00

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

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

Black Mexican.—An extra fine variety, unsurpassed for sweetness. Ears bluish-black when ripe, but whiten on being cooked.

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



Routledge Superb, Earliest of All

Country Gentleman.—Valued for its richness of flavor and productiveness, having 3 to 4 good ears to the stalk, all extra large, with exceedingly deep kernels.

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

Early White Cob Cory.—One of the very earliest and fine for a market variety; medium size ears.

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

EARLY MAMMOTH.—One of the very best varieties to plant for home garden or market. Forms very large ears, which are quite sweet and of fair quality. It withstands our dry summers well, and is usually quite free from worms, and the ears fill well.

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

POTTER'S EXCELSIOR.—The richest flavored and sweetest of all the medium varieties. Large, twelve-rowed ears, with deep kernels; ripens fairly early; one of the finest sugar corns for the table.

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

STOWELL'S EVERGREEN.—A good main crop or late sort. Recognized everywhere as the standard variety for market and home use. Remains longer in green state than any other. Very large ears, with deep grains, and remarkably sweet.

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

POP CORN

White Rice.—Short ears, white, pointed kernels.

Large Pkt. 10c; lb. 15c

FIELD CORN—Don't overlook what we have to offer in Oregon grown field corn; "the best ever." Page 32.

CORN PLANTERS—We offer three styles. See page 95. They save time and seed. For Field Corn see page 32.

CUCUMBERS



Arlington White Spine

JAPANESE CLIMBING.—Often used for ornamental purposes, as the vines are very vigorous, throwing out tendrils, enabling them to climb trellises admirably. Dark green fruit, quite large and very tender. Pkt. 10c; oz. 15c; 4-oz. 50c

BOSTON PICKLING.—A distinct variety, very popular for pickles; color bright green, and a great producer. The fruit averages four to five inches in length, when large enough for slicing, and are of excellent quality; but it is for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25



Boston Pickling

ARLINGTON WHITE SPINE.—An extra selected strain of White Spine, selected with a view to obtain evenness of size, form and color. This strain we consider by far the finest for growing in hotbeds. Pkt. 10c; oz. 20c; 4-oz. 50c; lb. \$1.50

Early Short Green.—A very early and productive variety, dark green and rather short. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

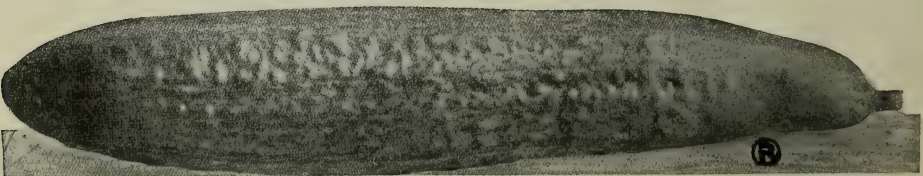
Early Green Cluster.—One of the extra early varieties. A great bearer; fruit borne in clusters near the root. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

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. We offer the "Best Strain" that will grow long and uniform in shape. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Brush Prairie, Wash., March 30, 1910.

Routledge Seed & Floral Co.
Dear Sirs: I received the fruit trees in perfect order. Thank you very much for your promptness. Your true friend.

HENRY MATSON.



Improved Long Green

SEED AND REFERENCE TABLES.

FOR COMPLETE SEED AND PLANT TABLES, AMOUNT TO PLANT, ETC., SEE COMPLETE REFERENCE TABLES INSIDE BACK COVER. ALWAYS REFER TO "INDEX," PAGES 1-2, FOR ANYTHING WANTED.

ENDIVE

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

Green Curled.—The hardiest of all, with beautifully curled dark green leaves, tender and crisp.

Pkt. 5c; oz. 15c; 4-oz. 50c

White Curled.—Very tender and white; blanches easily.

Pkt. 5c; oz. 15c; 4-oz. 50c

Broad-Leaved Batavian.—Long, broad leaves; very fine for salads.

Pkt. 10c; oz. 15c; 4-oz. 50c

EGGPLANT

New York Improved Spineless.—Considered the best variety. Oval-shaped, deep purple, large size and fine flavor.

Pkt. 10c; 1/2-oz. 35c; oz. 65c; 4-oz. \$1.75

Early Long Purple.—A very hardy variety, producing abundantly. Fruit longer and smaller than previous variety.

Pkt. 10c; oz. 35c; 4-oz. \$1.00

HORSE RADISH ROOTS

These sets or small roots can be planted in the spring or fall, small end down, with the top one inch below the surface, in rich, cultivated soil. Will form radishes of large size in one season's growth. For prices, see Vegetable Plants and Roots, Page 68.

KOHLRABI

Early Purple Vienna.—Fine early variety, with blue outside and white flesh.

Pkt. 5c; oz. 25c; 4-oz. 75c

Early White Vienna.—Similar to purple variety, excepting color.

Pkt. 5c; oz. 25c; 4-oz. 75c

LEEK

Carentan.—Mild and sweet; largest variety; hardy and of the finest quality.

Pkt. 5c; oz. 15c; 4-oz. 40c

American Flag.—Very broad, thick stems of good flavor.

Pkt. 5c; oz. 15c; 4-oz. 40c

KALE or Borecole

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

Dwarf Green Curled.—Beautifully curled, bright green leaves, tender and of fine flavor.

Pkt. 5c; oz. 15c; 4-oz. 40c

Siberian.—A very hardy variety, generally sown in the fall, and treated the same as spinach.

Pkt. 5c; oz. 10c; 4-oz. 30c

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

Pkt. 5c; oz. 10c; 4-oz. 25c

Thousand-Headed.—For stock feeding. See Field Seeds.

LETTUCE



Our Motto
“Highest
Quality”

Grand Rapids Lettuce

HANSON (Improved Hard-Heading Stock).—The leading head lettuce. We can recommend this as one of the very best. Heads green outside and white inside; grow to a remarkable size; very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.35.

EARLY PRIZE HEAD.—This old, standard sort still stands at the head of the large, thin-leaved, clustering varieties. The very large leaves are savoyed or crimped; bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

Pkt. 5c; oz. 15c; 4-oz. 35c; lb. \$1.25.

GRAND RAPIDS

For early forcing. As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Of quick growth and stands for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large, yellowish green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50



We supply only one grade of seed—THE BEST—for we want only one class of trade to supply, THE PARTICULAR PLANTER, who wants “quality,” who BUYS DIRECT, not through a wholesale seed house. Seeds are, after all, the least expensive article in making the garden. Always buy the best seed that the trade offers. Low-priced seeds will give low-quality crops.

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 are tightly folded and blanch to a silvery white, and crisp and brittle as could be desired. Pkt. 10c; ½-oz. 15c; oz. 25c

Simpson's Early Curled.—A leading market variety; used for very early planting and forcing; forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

35c Premium

On your first \$1.00 order. See inside front cover

Black Seeded Simpson.—Forms a close, compact mass of curly leaves of a yellowish green.

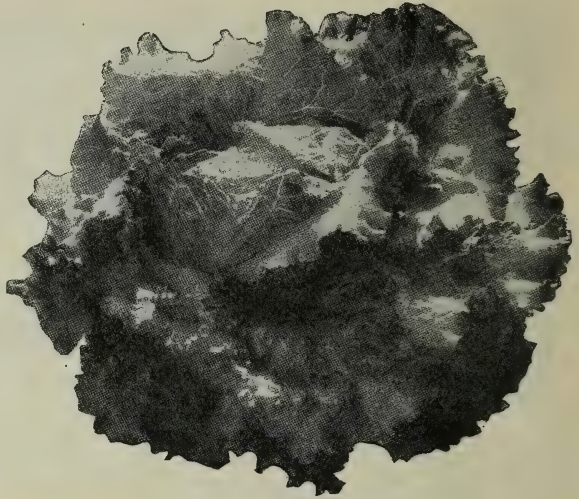
Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

ARLINGTON BLACK SEEDED TENNIS BALL.—Our own private strain of Tennis Ball for outdoor planting. Grown from selected heads, and cannot be equalled for form, quality and hardness of heads. It is also one of the earliest varieties, and may be sown till August.

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

IMMENSITY.—A very large-heading variety; one of the largest of the cabbage sorts and almost a third larger than California Cream Butter, which it resembles in color and shape. It is especially adapted for planting in the fall and winter, and makes a fine, tender, buttery head. A number of our best local market gardeners have been growing it, and find it unsurpassed for a fine, heavy shipping variety.

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



R. R.'s Tender, Crisp Lettuce

BIG BOSTON

Popular for outdoor culture, and also in demand as a compact, large heading, forcing sort. Plants very large; very hard and vigorous; leaves broad, comparatively smooth, but wavy at edge, thin, very hard and crisp; color bright, light green; the head slightly tinged with reddish brown. Grown extensively in the South for shipment North in the winter.

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

Salamander.—Valued for its hardness, withstanding to a marked degree heat and continued drought. Largely used for a fall crop. Esteemed very highly by market gardeners.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

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 six to seven inches, with the broad, light green outer leaves folding closely about the round, solid head; in cool weather the edges of these outer leaves are lightly tinged with brown.

The inner leaves (practically the entire head) are blanched to a rich golden yellow, and have a specially fine, rich, buttery flavor. The solid round heads are so firmly folded that they can be shipped to distant markets and arrive in good condition. We recommend repeated plantings of this new early variety in the spring, and again during August and September for fall use.

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



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. 5c; oz. 10c; 4-oz. 15c; lb. 40c

White English.—Light green variety; tender leaves; seed light yellow.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

PLANT SMALL FRUITS around your garden. What's nicer than delicious fresh fruit, fresh from your own garden. See Fruit Department.



MUSHROOM SPAWN

One brick sufficient for about one square yard.

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 ten inches to a foot apart. Bricks weigh from 13 to 24 ounces. A brick will spawn ten square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms.

Price, per brick, 35c, postpaid. By express or freight, 10 bricks, \$2.25.

MUSHROOM CULTURE.—We have a 32-page booklet on Mushroom Culture, nicely illustrated, for 25c, postpaid. Free with an order for 10 bricks.

MUSKMELOON

ROCKY FORD, OR NETTED GEM

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

Pkt. 5c; oz. 15c; 4-oz. 35c; lb. \$1.00

WILGROW.—A spoonful of Wilgrow to each melon will do wonders. See index for page number.

BURRELL'S GEM

Select Strain.—A new, medium-sized oval variety, well ribbed and covered with a fine grayish netting, and having salmon or red flesh. It is larger than Rocky Ford, and of an entirely distinct flavor. There is a growing demand here for the fine-grained, smooth, salmon red-fleshed Muskmelons, and Burrell's Gem seems to be one of the best in cultivation.

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

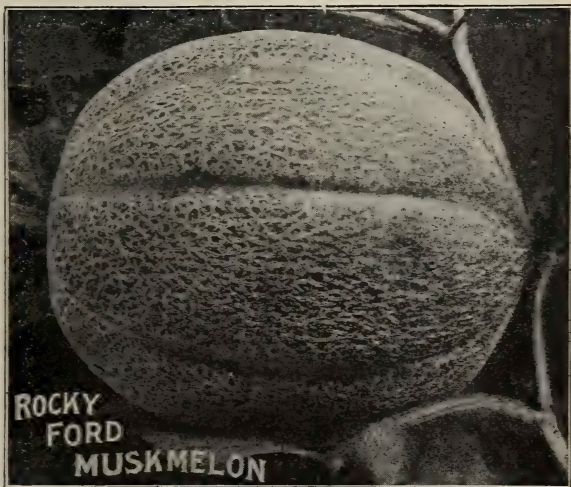
LARGE YELLOW CANTALOUPE.—A distinct type and very popular with all who have tried it. The fruit is large, oblong, slightly ribbed and coarsely netted. The flesh is light yellowish-green, very sweet, crisp and delicious.

Pkt. 5c; oz. 10c; 4-oz. 35c; lb. \$1.00

KRIS KRINGLE

The new winter Muskmelon. This is really a great acquisition to the vegetable world, and is destined to become a standard vegetable, just as much so as potatoes or onions. The seed should be sown late in the spring, after all danger of frost is over, on moist, sandy loam. Do not pick until the light streaks become quite yellow. Stow away so they do not touch each other in a cool, dark place. When the rind becomes slightly softened and moist, they are ready to eat. Some of the melons will actually keep until February.

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



THE HOODOO

Unlike its unpropitious name, this Muskmelon is one of the best of recent introductions. It is early and prolific. The fruit is of medium size; the seed cavity very small; the rind very thin, indeed; and the edible fleshy part very thick and meaty. It is of orange or salmon color, the type much preferred now; but its great charm is its flavor, which is par excellence. We have seldom had such enthusiastic reports from any vegetable novelty as from the Hoodoo Muskmelon. It will pay you to try it.

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

Montreal Improved Nutmeg.—Valued for its size and delicious flavor. Round in shape, with remarkably thick green flesh. One of our handsomest varieties.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

Osage, or Miller's Cream.—Medium to large, flesh thick, deep salmon, of excellent quality, rich and sweet; skin dark green, slightly netted and ribbed. A favorite variety for the later markets.

Pkt. 5c; oz. 20c; 4-oz. 50c; lb. \$2.00

Our Motto: "Highest Quality"

Good Seed is worth good money. The up-to-date gardener never hesitates to pay the top price for what he wants. Price, indeed, is a small consideration to him; he wants the "best quality." This is more especially true of high-grade vegetable seeds. Cheap seed is expensive. Buy our HIGHEST QUALITY seeds. None better anywhere.



WATERMELON

Oregon Prize

We offer this new 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; rind thin, and on this account is not a particularly good shipping sort, but is emphatically the variety for home use and sale. It will ripen in altitudes where it has not been thought possible to mature a good watermelon.

Pkt. 10c; oz. 15c; ¼-lb. 40c; lb. \$1.25

Cole's Early.—On of the best early sorts; medium size, green skin and red flesh. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

KLECKLEY'S SWEET.—Unsurpassed for home use or near markets. Vine vigorous and productive; fruit of medium size, oval; color dark green, often showing fine russetting; flesh very bright, rich red and exceedingly sweet. So crisp and tender that it will not stand shipping, the fruit bursting open if subjected to even a slight jar, or when the rind is penetrated with a knife.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

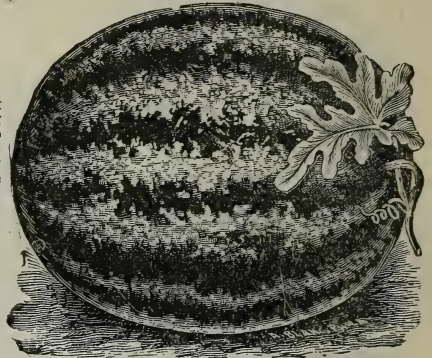
FLORIDA FAVORITE.—A splendid melon of largest size and excellent quality, fruit long, dark green, mottled and striped with lighter shade; rind thin but firm, flesh very bright, deep red, very sweet, tender and excellent.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c

Cuban Queen.—A very vigorous grower. Early, very solid and heavy. Handsomely striped and of most delicious flavor. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Ice Cream.—Medium size and nearly round. Solid scarlet flesh of finest flavor.

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



GEORGIA RATTLESNAKE.—One of the oldest and most popular sorts and frequently known as Gypsy. A large, oblong variety, with decided stripes of light and deep green; rind is tough, but flesh is of good quality and bright red; a good shipping and market melon; is quite as generally used by the large melon growers as Kleckley Sweet, and is perhaps hardier and more profitable, being very easily grown. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Citron, Red Seeded.—Small, striped and marbled with light green; flesh white and solid; seeds red; used exclusively for pickles and preserves.

Pkt. 5c; oz. 15c; 4-oz. 35c

ONION SETS

Bottom Onion Sets.—These are small onions grown from seed that have been sown too thick to attain a large size. The small onions (about ½-inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table. Yellow sets are most in demand, but Red and White are used to some extent.

Per lb. 15c; postpaid 25c

Top Sets.—Produced in clusters. Per lb. 30c, postpaid

Shallots.—Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium-sized bulbs; light brown skin; mild, white flesh.

Per lb. 25c; postpaid 35c

PURE SEED

ONION

"HIGHEST QUALITY"

AILSAL CRAIG

A magnificent variety of recent English introduction. Unsurpassed for exhibition purposes. Very large, oval shaped, with straw-colored skin. When grown to perfection will weigh from 2½ to 3 pounds. Has attained great popularity among private gardeners for its all-round superiority as an exhibition variety. The stock we offer is unexcelled and obtained direct from one of the best growers in England.

Pkt. 15c; oz. 35c; 4-oz. \$1.00

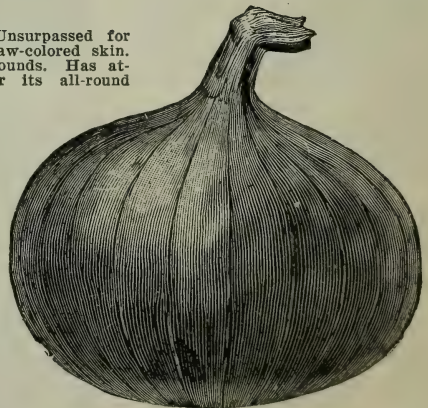
Extra Early Red Flat.—The first Red Onion to ripen. A medium-sized, flat variety; an abundant producer and very uniform in shape and size; moderately strong-flavored and comes into use nearly two weeks earlier than the Large Red Wethersfield; very desirable for early market use. Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

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

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

LARGE RED WETHERSFIELD.—The standard variety of the red onions. Of large size, a heavy yielder, and one of the best for keeping. Skin a deep purplish red.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00



Australian Brown

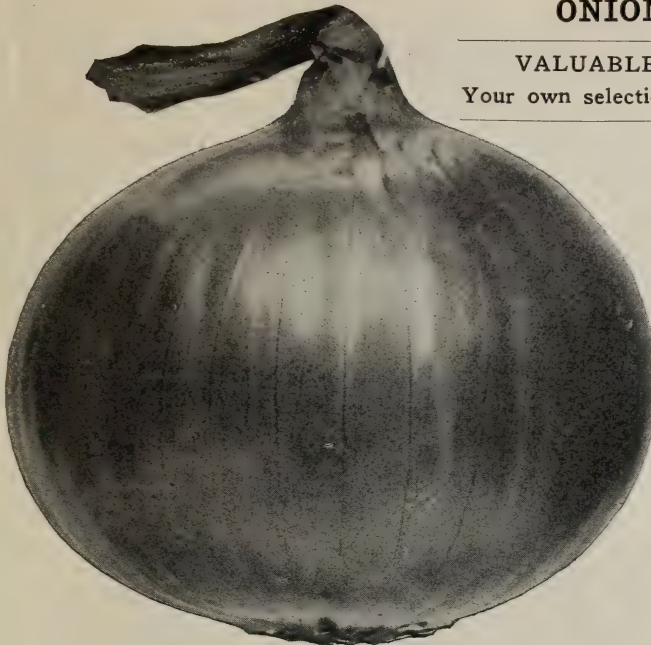
Southport Red Globe.—An early maturing, large-sized, globe-shaped onion, with deep red skin; flesh fine-grained, very mild and tender.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

ONION—Continued

VALUABLE FREE PREMIUMS

Your own selection. See inside front cover



Oregon Danvers Onion

OREGON YELLOW DANVERS

This is the variety planted almost entirely in the Northwest, particularly in Oregon. The largest crops of onions and the best keepers, bringing the highest prices in the Oregon and California markets are the Oregon Yellow Danvers. The bulbs are uniformly large, of a half-globe shape, with small necks. It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled. Our seed is grown specially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seeds can be obtained. Pkt. 5c; oz. 20c; 4-oz. 50c; lb. \$1.75

Yellow Danvers.—An old and well known variety.

Oz. 15c; 4-oz. 50c; lb. \$1.50

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. We offer the very finest stock obtainable.

Pkt. 10c; oz. 30c; 4-oz. \$1.00; lb. \$3.50

Barletta.—The earliest and smallest onion grown; of great value for pickling or table use.

Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.50

YELLOW GLOBE DANVERS.—Finest shape, best color and yields largest crop of any yellow onion. The heaviest yield of onions is always obtained from rich, black lands. On such soils it is found that a globe-shaped onion with a somewhat flattened base gives the largest returns, and to meet the demands of the professional onion growers located on such lands, we offer this variety. The bulbs are large and uniformly spherical, with very small necks; of a rich, orange-yellow color; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed when such as this can be procured.

Pkt. 5c; oz. 20c; 4-oz. 50c; lb. \$1.50

PRIZETAKER.—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. This variety is often sown in beds and transplanted to open ground.

Pkt. 10c; oz. 25c; 4-oz. 70c; lb. \$2.25

Queen.—A white variety, prized for pickling on account of its small size and remarkable keeping qualities. Of very quick growth, flat-shaped and fine flavor.

Pkt. 5c; oz. 25c; 4-oz. 65c; lb. \$2.25

WHITE PORTUGAL, OR SILVERSKIN.—The finest flavored of all the white-skinned onions. Quite early, flat-shaped, and a fine cropper. Often used for pickling when young.

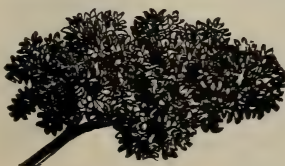
Pkt. 10c; oz. 30c; 4-oz. 90c; lb. \$3.00



White Portugal

OKRA

Improved Dwarf Green.—Very productive; long, slender; green pods
Pkt. 5c; oz. 10c; 4-oz. 25c



Parsley Leaf

PARSLEY

Champion Moss Curled.—An English strain, with moss-curl'd foliage and a very vigorous grower. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

Arlington Extra Curled.—This is the very choicest strain obtainable, and is a selection from those plants having the greatest possible curl to the leaves, and the darkest green color; a very vigorous grower, a heavy yielder; will stand heat and drought better than any other. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 70c

PEAS

HIGHEST QUALITY—NORTHERN GROWN
HAND PICKED—UNSURPASSED

Add 10c to pound prices if wanted by mail

First Early Hardy Peas

Plant these in the fall or very early spring and follow with wrinkled sorts when ground is warm.

ALASKA, OR EARLIEST OF ALL.—A very early, tall variety, with smooth, small peas of good quality and short, well-filled pods.

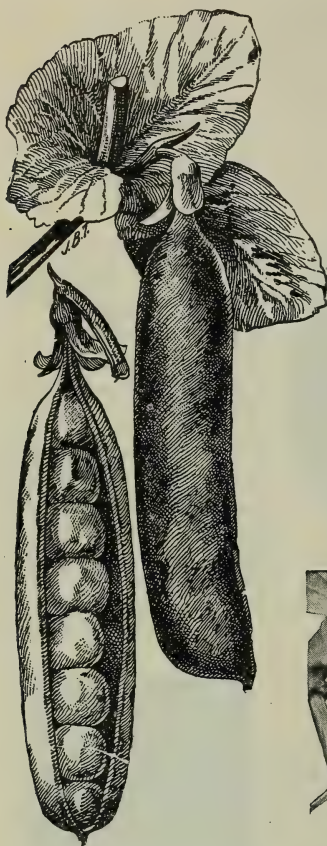
Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50; 25 lbs. or more, at 12½c.
DUKE'S BEST EXTRA EARLY.—A prize strain. This is very much the best early Pea of the smooth-seed varieties; is very much sweeter than Alaska, and also earlier. The vines make very quick growth, about 18 inches high, and the pods ripen practically all at one time.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75
FIRST AND BEST.—Unsurpassed for early and even ripening. One of the best for market gardeners, as the whole crop ripens within a few days, so that the ground may be cleared and another crop planted. About 45 days is the average from planting until the whole crop is ready for market. Very hardy; height 2 to 3 feet. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50; 25 lbs. or more at 12½c lb.

Second Early Wrinkled Peas

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

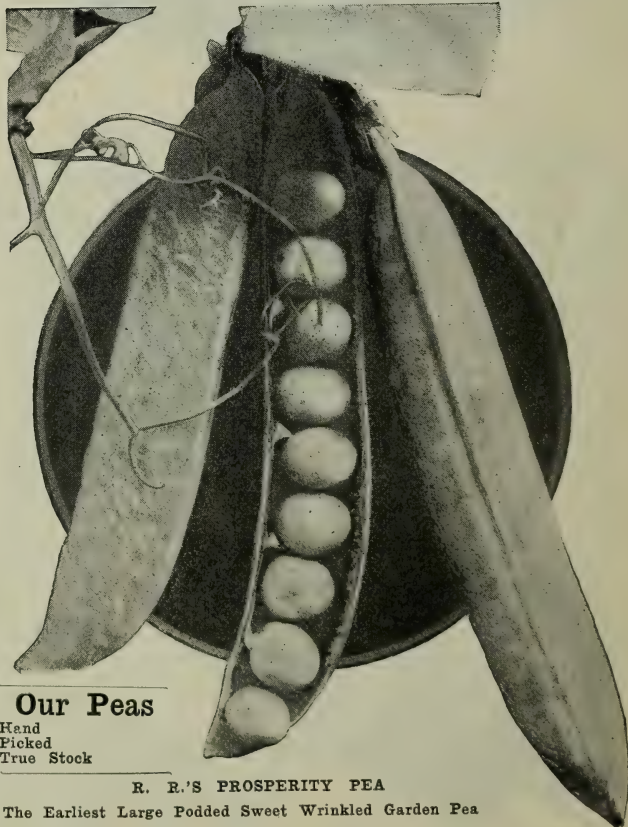
Large Pkt. 10c; lb. 20c; 10 lbs. \$2.00; 25 lbs. or more, 17½c lb.



R. R.'S PROSPERITY

The earliest wrinkled variety. This grand large podded, early, prolific variety is vigorous and robust, growing to a height of about 3 feet. It is not only an abundant producer, but bears continually throughout the season. It is exceedingly early for a wrinkled variety, being only a day or two later than the earliest small, smooth sorts. The pods are very large, and are invariably well filled with from six to ten sweet, luscious, tender, wrinkled peas of large size and delicious flavor. The peas remain tender and sweet for some time after they are large enough to use.

Hand-picked, selected seeds.
Large Pkt. 15c; ½-lb. 20c;
lb. 35c; 10 lbs. \$3.00.



Our Peas

Hand
Picked
True Stock

R. R.'S PROSPERITY PEA

The Earliest Large Podded Sweet Wrinkled Garden Pea

NOTE.—1910 crop of Seed Peas was almost a failure, and good seed is very scarce and unusually high. Beware of lower prices, which will mean old or inferior seed.

LITTLE GEM.—A sweet, wrinkled Pea, coming in a little later than the American Wonder; grows taller, much more productive, and continues bearing longer. It grows about 15 inches high, and bears good-sized pods, which are filled with six to eight peas of especially fine, sweet flavor.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.85; 25 lbs. or more at 17½c lb.

NOTT'S EXCELSIOR.—A deservedly popular variety; an enormous yielder, and of the very choicest flavor; pods well filled with six to eight peas, packed very closely together; valued highly for the home garden, and for all-round excellence is second to none; 15 inches high. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.85; 25 lbs. or more at 17½c lb.

DWARF TELEPHONE

Of English origin and introduction. The striking features are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Little Gem, and are always well filled with large peas of most excellent quality. The vines are dwarf, strong and thrifty, require no support, making it an ideal garden variety.

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

LATE OR MAIN CROP PEAS

Routledge Prize

New Giant Podded Main Crop Pea
The largest “podder,” surest “cropper” and heaviest “yielder” of all the main crop sorts

The Telephone and Stratagem were the first large-podded peas to be introduced. Naturally they created a sensation, and are at present the most largely used in America of any of the large-podded varieties.

This grand new pea resembles the Telephone in color of pod and foliage, and in habit of growth; but the pods are larger and contain more peas. A bushel of pods will shell out nearly twice as many peas as the Telephone. 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 from 4 to 5 feet high and, as an abundant cropper, is superior to all other 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. Try them and report.

Stock limited.—Order early if you do not wish to be disappointed. Large Pkt. 15c; lb. 30c; 10 lbs. \$2.50

STRATAGEM.—A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. Of all the Peas we list and of all of those we have tried, we do not know of another variety so well adapted to most sections of our Coast as Stratagem. It is planted in large quantities by gardeners for market. In quality it is unsurpassed, the peas when cooked be-



Routledge Prize—New Pea

ing of the most delicious sweetness. Vines grow 18 inches to 2 feet, so they do not have to be brushed; nevertheless, they bear many very large pods, packed with immense dark green peas. The strain we offer is selected, and every imperfect plant carefully rogued out, and we believe we have the very best strain that can be had anywhere.

Select Hand-Picked—Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75.

McLean's Advancer.—A variety that has stood the test of years and still great in popular favor. Noted for its great productivity, handsome pods and delicious flavor. Ripens immediately after the extra early sorts and grows about 30 inches high.

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

YORKSHIRE HERO.—One of the largest, sweet, wrinkled kinds; vines strong and spreading; pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height 2½ feet.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.85; 25 lbs. or more at 17½c lb.

Champion of England.—An old standard variety that is still unsurpassed for delicious flavor. Enormously productive; height 4 feet; unexcelled for the home garden. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

TELEPHONE.—One of the largest peas we have. Vines attain a height of 4½ feet, bearing profusely the extra long, handsome pods; tender, sweet and superb flavor. We have a specially fine stock of Telephone.

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

Dwarf Sugar (Edible Pods).—Can be used in a green state like string beans; very sweet and melting.

Large Pkt. 10c; lb. 30c; 10 lbs. \$2.50

NOTE.—Our pound prices on peas do not include prepayment of postage. If peas are to be sent by mail, add 10c per pound. We pay postage on all packets.

PARSNIP

SWEET MARROW

This fine new parsnip of English origin is offered with full confidence that it will become a prime favorite with all who use it. It is very fine grained and exceedingly sweet, while the peculiar "parsnip" flavor is fully preserved. The roots are unusually smooth and attractive in appearance. The best of all parsnips for the private or market garden.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c

HOLLOW CROWN.—The most popular variety; medium length 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. 5c; oz. 10c; 4-oz. 20c; lb. 60c

PEPPER

RAWSON'S ITALIAN.—A superb variety of exceedingly mild flavor; 6 to 7 inches in length and 2 to 3 inches thick at the base; very handsome in appearance, of a light green before turning red; often used in the green state.

Pkt. 10c; oz. 35c; 4-oz. \$1.20

Large Bell, or Bullnose.—A very large, inverted bell-shaped, valued for pickling or for filling; thick, hard flesh, not very pungent, and remarkably early for such a large fruit.

Pkt. 5c; oz. 30c; 4-oz. 85c; lb. \$2.50

Dwarf Early Squash.—A very mild-flavored variety, popular with the market gardeners; very thick flesh; fruit very smooth and almost round; of dwarf growth and great productivity; one of the earliest. Our stock of this variety is extra selected and unexcelled.

Pkt. 5c; oz. 30c; 4-oz. \$1.00

Red Chili.—A rather small, bright red variety, about 2 inches long, and pointed; the pods are used in making chili sauce, and are very pungent and hot.

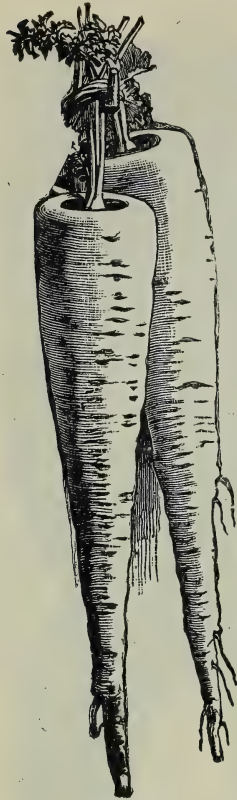
Pkt. 5c; oz. 30c; 4-oz. 85c

Cayenne.—Long, red, pointed pods; very strong and used largely for making pepper sauce; popular variety.

Pkt. 5c; oz. 30c; 4-oz. 85c

Cherry Red.—Rich, glossy, scarlet fruit at maturity; small, smooth and round; of dwarf habit.

Pkt. 5c; oz. 30c; 4-oz. 85c



Parsnip



Red Chili



Bullnose

PURE SEED

POTATOES

TRUE AND TRIED

We offer a few varieties of special merit that we recommend to our friends and customers. 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, not knowing whether they are early or late. Get a start of some of our select seed stock and you will be more than pleased with the results.

About Prices

Prices are subject to important market changes. Ask for quotations on larger lots. **GOOD TRUE STOCK OF NAMED SEED POTATOES** are not plentiful. They are **ALWAYS** in demand. Order early before stocks are sold out.

Extra Early Irish Cobbler



WILGROW, FOR SPUDS.—Double your potato crop by using Wilgrow, a new fertilizer of great merit. Only a spoonful to a hill. It pays big. See full information Fertilizer Department. Put up only in 25c packages and \$2.00 bags.

EXTRA EARLY BOVEE

One of the most popular and earliest potatoes grown; color of potato pink or flesh color. Prices: Bushel \$2.00; ½-bushel \$1.25; peck 60c. By mail, postpaid, lb. 25c; 3 lbs. 60c

EARLY ROSE

This variety has been a great favorite for many years. Our stock is as fine as can be obtained. Prices: Bushel \$1.50; peck 50c. By mail, postpaid, lb. 20c; 3 lbs. 50c. Write for quantity price.

POTATOES—Continued

SWEET POTATOES

Rooted slips ready in May. The young plants should be set in May in hills about 4 feet apart and 5 inches above the ground level. A light soil and sunny location is preferable. Send your orders now and be sure of stock later.

Plants 30c dozen; \$1.25 per 100, postpaid; \$7.00 per 1000 by express.

We sell Potato Planters

POTATO EYES

For those at very great distance, or where the express or freight charges would be exorbitant, these seed potato eyes afford an inexpensive way to obtain or test any of the varieties we offer. It has been proved that seed potatoes cut to a single eye give the largest yield.

25 eyes (not less of any kind), 30c; 100 eyes, \$1.00, postpaid.



Hundred Fold

EXTRA EARLY IRISH COBBLER

Order early; stock limited.

The most reliable first early white-skinned potato; so uniform in growth that every hill seems to ripen all at one time. Form oval and round; skin lightly netted, creamy white, and having few eyes, which are quite shallow; flesh pure white and of the finest quality; not excelled by any early variety; its earliness, uniformity, large yield, fine quality and very handsome appearance make the Extra Early Cobbler a popular and profitable variety for market or home garden use.

Bushel \$2.50; ½-bushel \$1.50; peck \$1.00. By mail, postpaid, lb. 30c; 3 lbs. 75c.

N. P. Smith, of this city, and many other customers of ours say: "Your Extra Early Irish Cobbler Potatoes are by far the earliest and finest flavored potatoes ever tested."

EARLY VICKTOR

This Potato cannot help becoming a permanent favorite with all who give it a trial. The plants are of strong healthy growth producing tubers compactly. Tubers large, of uniform size, roundish and slightly flattened; skin white, somewhat russeted; either baked or boiled the flesh is dry and mealy. Its early ripening secures it from blight, and thus assures a large crop of sound tubers, which keep as well as the late varieties.

Price: Bushel \$2.25; ½-bushel \$1.25; peck 75c. By mail, postpaid, lb. 30c; 3 lbs. 75c.

HUNDRED FOLD

Most profitable of all for a medium early or main crop. While this is not a new introduction, it has not been generally planted here, but its good quality has induced us to offer it to our customers. Our grower says it is far superior to the American Wonder, which is a strong indorsement. Hundred Fold is an oblong potato, slightly flattened, white in color, a good looker and a quick seller. It will out-yeild the American Wonder 25 per cent. It is of the finest quality, cooking up white and floury, either baked or boiled, and is also an excellent keeper.

Prices: Bushel \$2.00; ½-bushel \$1.25; peck 75c. By mail, postpaid, lb. 25c; 3 lbs. 60c.

Great Yielders

G. Klöniger, of Washougal, Wash., writes: "Your Hundred Fold Potatoes should be called 'Thousand Fold,' for they are such great yielders and also of such excellent quality."

Great Divide

For Main Crop—

Every potato salable size, no "seconds"

A strong, healthy vigorous grower, with abundant deep green foliage, capable of withstanding heat and drought. The tubers lie closely together in the hill and are handsome; oblong, thick and round in form, holding thickness well out to the ends; few and shallow eyes; skin pure white, quite thin but firm and tough, readily pared with a minimum of waste, while the table quality is of the choicest, the flesh being pure white, dry and floury. It cooks quickly with a delicious nutty flavor. In good soil the tubers grow to large size with very few "seconds." A most desirable and profitable variety; will out-yeild any other potato, with the exception of Hundred Fold. Try it.

Per lb. 30c; 3 lbs. 75c, postpaid. By express or freight, peck \$1.00; ½-bushel \$1.50; bushel \$2.50

POTATO PLANTERS

Save backache, time and labor. See page 95.

SIR WALTER RALEIGH

We recommend this Potato for a main late crop. It can be planted as late as July 1, and still mature a good crop. Especially valuable for low land on this account. Our grower says it has made the best continuous record of all the late varieties for yield, size, smoothness and handsome appearance. The tubers are good size, nearly round in shape, but flattened—very few small ones. Skin is pure white, thin and transparent; eyes few and very shallow. The most desirable type of potato and a strong healthy grower. It will do well on low ground or clay, where other potatoes would not be profitable. Stock we offer is clean and pure.

Prices: Bushel \$2.00; ½-bushel \$1.25; peck 75c. By mail, postpaid, lb. 25c; 3 lbs. 60c.

AMERICAN WONDER

The American Wonder is one of the best all-round white potatoes in cultivation. It is practically blight-proof, a strong grower, a great producer; tubers white, uniform in size; elongated; of excellent quality. It is a potato sought after and desired by our commission men, potato buyers, shippers and dealers, therefore a most profitable sort to plant.

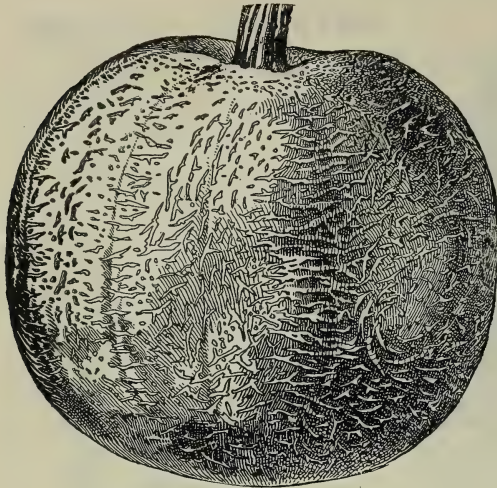
Prices: Bushel \$1.50; ½-bushel \$1.00; per peck 60c. By mail, postpaid, @ 25c lb.; 3 lbs. 50c.

GOOD SEED POTATOES

Get a start of our good, new, healthy, heavy yielding seed potatoes and raise some high quality stock. It will pay you.

Potato prices subject to market changes. Write for prices in bag lots, stating kind and quantity wanted. We'll save you money.

PUMPKIN



Winter Luxury Pumpkin

WINTER LUXURY.—An enormously productive variety of medium size and superior keeping qualities. Of rounding shape, about 10 inches in diameter; golden russet color, with finely netted, deep golden flesh; sweet and tender.
Pkt. 10c; oz. 15c; 4-oz. 35c; lb. \$1.00

Small Sugar.—Fine grained, very sweet and excellent keeper. Skin deep orange yellow.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

KING OF MAMMOTHS.—The largest of all the pumpkins; grow this variety to win the prizes at the Fair.
Pkt. 10c; oz. 15c; 4-oz. 50c; lb. \$1.50

Connecticut Field.—The best for field culture and excellent for stock.
Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 50c

Large Sweet Cheese.—A popular variety; fruit flattened; skin mottled light green and yellow; flesh yellow, thick tender; very nutritious and of excellent quality; a most productive variety.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

PURE SEED

RADISHES

SELECTED STRAINS

To grow those crisp, brittle radishes so much desired, plant our selected strains of seed in rich, sandy, moist soil. A little "Wilgrow" scattered along the rows will do wonders.

R. R.'S SCARLET GEM

(See cut.)

This splendid radish is the very finest early strain of the round, bright red radishes. Nothing can surpass its table excellence or its beauty. The skin is bright scarlet, flesh pure white, crisp, tender, and of delicious quality. The best for market gardeners who want a first early forcing radish. Unequaled for the home garden.

Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.25

EARLY SCARLET TURNIP, WHITE TIPPED.—A beautiful variety, deep scarlet with white tip. Very early. Has small top and may be planted closely. It is most attractive in appearance, and cannot fail to give satisfaction; very popular as a market sort. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 80c

EARLY SNOWBALL

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

Pkt. 10c; oz. 15c; ¼-lb. 30c; lb. \$1.00



R. R.'s Scarlet Gem Radish

EARLY DEEP SCARLET, OLIVE SHAPED.—This is an excellent deep red olive-shaped forcing sort, typical in its very small tops and early maturing roots, which should be pulled just as soon as in condition.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 80c

SCARLET GIANT. (See Cut.)

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

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

WHITE ICICLE

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

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

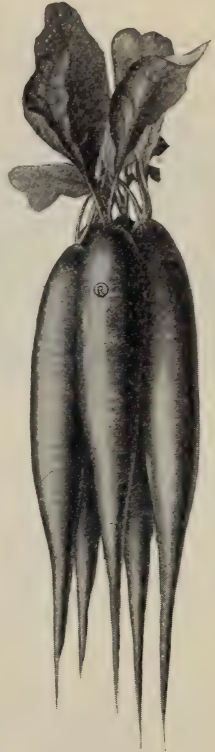


Scarlet Giant

RADISH—Continued

CARDINAL

Grows perfectly straight and smooth; six to seven inches in length. (See cut.) Skin scarlet colored; very thin; the flesh crisp, brittle and of delightful flavor; the finest long, red radish in existence for forcing, and outsells all others in any market. Remaining, as it does, a long time in perfect condition for the table, after it is first ready for gathering, it is one of the very best varieties to plant in the home garden.
Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.00



Cardinal

LONG BRIGHTEST SCARLET, WHITE TIPPED.—One of the brightest and handsomest scarlet radishes known, and a decided improvement in earliness and color over other varieties of this class. Roots mature in about twenty-five days from time of planting and continue in good condition until full grown, when they are as large in diameter but a little shorter than Early Long Scarlet; has a small top and can be used for forcing.
Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

WELL KNOWN POPULAR VARIETIES

Early Scarlet Turnip.—Small top; of quick growth; mild and crisp. A favorite with market gardeners. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c
White Turnip.—Pure white; turnip-shaped. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c
French Breakfast.—A very popular, quick-growing variety of oval shape; bright scarlet, tipped with white. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c
Early Long Scarlet, Short Top.—This bright scarlet, small-topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 65c
Lady Finger, or White Vienna.—Of rapid growth and beautiful shape; skin and flesh snow-white; very juicy, firm, crisp and tender. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

WINTER RADISHES

The merits of Winter Radishes are little appreciated, probably because they are seldom grown, and few people have knowledge of their worth. These grow to large size and keep well for winter and spring use. Sow seed late in June and August. Early planting is not advisable. Include some of these in your order.

SAKURAJIMA.—A new radish from Japan; grows to enormous dimensions; globe in shape; 4 to 6 and even up to 10 inches in diameter. The skin is white and the flesh is always crisp and tender. The taste is more delicate than our American varieties, and we believe that this variety will become popular. Plant in July for winter use. Pkt. 15c; oz. 25c; 4-oz. 75c

California Mammoth White.—Pure white, about one foot long and two or three inches through, tapering regularly to tip. The flesh is tender and crisp, keeping well through the winter. Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

China Rose.—Bright Rose color, flesh firm and piquant, cylindrical, or largest at the bottom, tapering abruptly to small top. One of the best for winter use. Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

Long Black Spanish.—One of the largest, latest, as well as the hardest of radishes. Roots of medium size, oblong, black, and flesh is of firm texture. Pkt. 5c; oz. 15c; 4-oz. 25c; lb. 75c

Round Black Spanish.—Roots round, sometimes top-shaped, three or four inches in diameter; skin black; flesh white. Fine for winter use as the roots keep a long time. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Klamath Falls, Ore., April 7, 1910.
Routledge Seed & Floral Co.

Gentlemen: Your shipment of trees, etc., received in first-class condition. With best wishes for your good business, we are, Respectfully, C. T. OLIVER.

SALSIFY—Oyster Plant

The roots are long and tapering; when cooked has a flavor like oysters. Same culture as carrots. Roots good all winter.

Mammoth Sandwich Island.—The best variety of Salsify, being very smooth, of fine quality, pure white and extra large size. Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

RHUBARB or Pie Plant

BURBANK'S CRIMSON WINTER

The new variety, which has become very popular and profitable to the grower, has a delicious fruity flavor, is extremely hardy, very prolific, and very quick growing. Produces good stems all winter and spring. Pkt. 10c; oz. 65c; 4-oz. \$2.00

SUNFLOWER

Mammoth Russian.—The largest and best for seed. Per 4-oz. 10c; lb. 35c

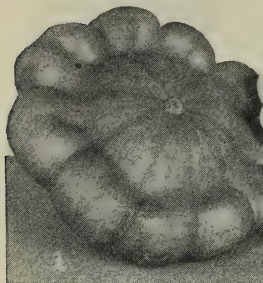
VICTORIA, OR MAMMOTH.—Very large; finest cooking variety. Pkt. 5c; oz. 15c; 4-oz. 45c; lb. \$1.50

RHUBARB ROOTS

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

SQUASH

No. 1—Yellow Bush Scallop

No. 2—White Bush Scallop
No. 3—Crookneck

Summer Varieties

Mammoth White Bush Scallop.—The fruit is a beautiful, clear waxy white, instead of the yellowish white so often seen in the old Early White Bush Scallop. It is superior to that variety in size and beauty, and is quite uniformly warted. The handsomest of the scalloped squashes. The stock we offer is exceptionally true to type.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

Yellow Bush Scallop.—A very early, flat, scallop variety of large size; color yellow; flesh pale yellow and well flavored. Has a very small seed cavity.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

Golden Summer Crookneck.—Early and prolific. The fruits are of the true crookneck type, heavily warted, and of light golden color. Fruits when matured are about one foot long. One of the most popular sorts for home and market.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. 90c

Vegetable Marrow.—A large, oblong variety, producing fruit which is dark green at first, becoming marbled and striped with yellow and lighter green as they mature.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

Fall and Winter Varieties

Boston Marrow.—A popular variety, with large, oval fruit; skin bright, reddish orange, with light cream netting; flesh orange, fine-grained and of excellent quality. This is the most popular variety for canning. The fruit makes a rich orange-red and deliciously flavored dish.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 90c

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

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

NEW DELICIOUS

This new fall and winter squash resembles the old Hubbard, having a dark, olive green, hard shell; average weight is between 5 and 10 pounds. Seed cavity small; flesh exceedingly thick, compact, fine-grained; color golden orange. The paramount merit of this variety is surpassing quality. The flesh is meaty, granulated, tender, and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. This variety may be used in the fall, but in winter the quality is at its best. Pkt. 10c; oz. 15c; 4-oz. 50c; lb. \$1.50



True Hubbard Squash

GOLDEN HUBBARD

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

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

USE WILLGROW

The greatest garden fertilizer ever known.

A spoonful to a plant will do wonders. (See Fertilizers.)

TRUE HUBBARD

The best seller and most popular variety on our list; rind dark green, warty and very hard; flesh light orange, very dry, sweet and rich flavored; has no superior for winter use, as it keeps perfectly through the winter.

Pkt. 5c; oz. 10c; 4-oz. 35c; lb. \$1.00.

When it comes

to cheap prices, we are not in it (we don't want to be); but when you want "quality," something better, that's where we win out.

Try us

SPINACH

Improved Thick-Leaved.—A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked; best for market gardeners.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

Long Standing.—An improved variety of excellent quality for general use; slow going to seed.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

Bloomsdale Savoy Leaved.—Very early; of upright growth; leaves pointed; plant in the autumn for spring use; grows quickly.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c



Spinach

TOMATO

Tomato Plants in any quantity. See Vegetable Plant list.



Chalk's
Early Jewell

EARLIANA (Sparks).—The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use. Similar, but far superior, to Atlantic Prize.

Pkt. 10c; oz. 30c; 4-oz. 90c; lb. \$3.00

CHALK'S EARLY JEWELL

The largest, smoothest and finest flavored extra early bright red tomato. An extremely early variety of brightest scarlet color, deep-fruited and solid. Very few seeds and of excellent flavor. A grand variety for the table or for exhibition.

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

Routledge's

Early Oregon

The earliest of all the good varieties, very hardy and succeeding everywhere. The Early Michigan, Fordhook and Earliana are excellent sorts, but the Early Oregon is superior to these in shapeliness, color, size, smoothness, solidity and flavor, as well as being earlier. When we say the earliest tomato, we of course mean the earliest good tomato. There are several sorts a very little earlier, but they are gnarled, ridged, small, tasteless and unworthy the name of tomato, and unfit for use. Those wishing to have the earliest good tomato should have our Early Oregon.

Pkt. 10c; ½-oz. 20c; oz. 30c; 4-oz. \$1.00.

MATCHLESS.—A tall-growing, prolific variety, with large fruit, which is rather flattened, smooth and uniform; color bright scarlet; for canning and general main crop market there is no better tomato grown. We heartily recommend it.

Extra selected strain, Pkt. 10c; oz. 35c; 4-oz. 90c; lb. \$3.00.

Dwarf Champion.—A purple-fruited variety, forming a strong, erect, bushy plant 2 feet high; often sold as Tree Tomato; fruit smooth, medium-sized, fairly solid and of good flavor.

Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.75

Red or Yellow Cherry.—Fruit small, about five-eighths of an inch in diameter; perfectly round and smooth; fine for pickles and preserves.

Pkt. 5c; oz. 25c

Yellow 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. 5c; oz. 25c

RAWSON'S PURITAN.—Arlington seed. An ideal variety, possessing all the qualifications for an A1 tomato. This strain is our own selection, and unsurpassed for color, form, shape and productiveness; very large and smooth; does not crack; grows remarkably vigorous, and is very firm and solid; very desirable for the market or home garden.

Pkt. 10c; oz. 35c; 4-oz. \$1.00

Ponderosa.—A purple-fruited tomato of largest size; vine vigorous and very productive; fruit very solid, fairly smooth and considered of very good quality, especially by those who prefer a tomato quite free from acid.

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

Stone.—Grown more extensively than any other for a main crop variety, especially by market gardeners; very large, smooth and solid, of a bright red color and a heavy yielder.

Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.50

Yellow or Red Pear.—Used for preserves and to make "tomato figs." Fruit distinctly pear-shaped and of excellent flavor.

Pkt. 5c; oz. 25c

Use "Wilgrow." A spoonful to a Tomato Plant will do wonders. See page 88.

TOBACCO

Culture practically same as cabbage

Havana or Connecticut Seed Leaf.—Both good, hardy varieties for general planting here. Pkt. 5c; oz. 25c

TURNIP

Extra Early Purple Top Milan.—This variety is ready for the table sooner after planting than any other; flesh white, firm and delicate. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 75c

White Milan.—Same as above, but pure white; sweet and tender. Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 75c

EARLY PURPLE TOP (Strap Leaved).—One of the best and most universally grown; flesh firm, but very tender and sweet; of quick growth, it is soon ready for the table and keeps well. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

EARLY WHITE FLAT DUTCH.—A leading white-fleshed variety, and one of the best, either for the family, market garden or field crop; it is medium size, and produces a large crop; the flesh is firm, but tender, and of a superior rich, buttery flavor; a good keeper. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

Orange Jelly, or Golden Ball.—Undoubtedly one of the most delicate and sweetest yellow fleshed turnips; not large in size, but firm, hard and most excellent flavor; keeps well and is superior as a table variety. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

Amber, or Yellow Globe.—One of the best yellow-fleshed varieties; skin also clear yellow; is of large size and fine flavor. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c



Early Purple Top Milan

EARLY SNOWBALL.—A superior table variety, meltingly tender, with snow-white flesh. This delicious turnip is one of the best varieties ever offered. Snowball matures six weeks after sowing, the bulb being small, smooth and perfectly globular. The flesh sparkling white, fine-grained, sweet and tender, with smooth, white, delicate, thin skin. We strongly recommend Snowball to all who want the best early table turnip.

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 ground; thin, snow-white skin. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

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; is delicate and well-flavored; has proved itself one of the best stock turnips ever introduced in Oregon, as it is an immense yielder. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

Purple Top White Globe.—A very heavy cropping, globe-shaped variety, with white skin and flesh; excellent flavor and much in favor with the market gardeners. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 50c

YELLOW ABERDEEN.—Round, medium size; light yellow; produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet; a great favorite with the dairymen. Pkt. 5c; oz. 10c; 2-oz. 15c; 4-oz. 20c; lb. 50c

RUTABAGA, OR SWEDE TURNIPS

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. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

Improved American Purple Top.—The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder; the flesh is very firm, superior in every way; valuable alike for all purposes. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

White Sweet German.—This variety is most excellent, either for table or stock; it grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

HERB SEEDS

POT, SWEET AND MEDICINAL

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full bloom, and tied in bunches and hung up or spread thinly on a floor where they can dry quickly.

ALL THE FOLLOWING HERBS, 5c PER PACKET

	Oz.		Oz.
Anise.—Seeds aromatic	10c	*Horehound.—Bitter; for tonic.....	20c
*Balm.—For culinary purposes.....	25c	*Lavender.—For fragrance	20c
Basil.—Sweet	20c	*Marjoram.—Sweet	15c
Borage.—Leaves for flavoring.....	15c	*Rosemary.—Aromatic oil	45c
Caraway.—For flavoring	15c	Summer Savory.—For flavoring	15c
*Catnip (Cat Mint)	35c	*Sage	25c
Coriander.—Aromatic	10c	Saffron	20c
Dill.—Used medicinally	10c	*Thyme (Broad-Leaved)	30c
*Fennel.—Sweet	10c	*Wormwood.—Medicinal use	20c

HERB SEEDS FOR FLAVORING—POSTPAID

Anise.—Anise seed for flavoring. ¼-lb. 15c; lb. 45c	Dill Seed.—Used to flavor soups, stews and pickles. ½-lb. 25c; lb. 45c
Caraway.—For the use of bakers and confectioners. ¼-lb. 15c; lb. 35c	Mustard.—White or yellow. Oz. 10c; ¼-lb. 15c; lb. 35c
Coriander.—Coriander seed for flavoring. ½-lb. 20c; lb. 35c	Poppy Seed.—Used for flavoring. ½-lb. 25c; lb. 35c

Have you a nice Lawn and Yard?

Can We Help You Improve It?



LAWN GRASS SEED

Upon no one thing does so much depend in making beautiful home grounds as upon a good lawn, for without that velvety green carpet, no place, however, lavishly planned or grandly built, looks finished.

The real lover of nature and the beautiful need never be disappointed in his lawn if care is used in the preparation of the soil and selection of his grass seed. Though we offer separately seed of many of the varieties 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. Many of these varieties, though of great value as components, have characteristics which render them unsuitable for sowing alone. Kentucky Blue Grass, for instance, often recommended to be used alone, has decided merits and will do fairly well alone, but is of greater value when mixed with other grasses.

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 more than 16 years' experience, we offer our 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 tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired.

Price, 35c per lb. in any quantity; can't be sold for less; 45c postpaid.

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 15 feet square for best results.

FAIR GREEN LAWN GRASS.—For those that are not so particular or for ordinary purposes, this mixture will give satisfaction. It is not a cheap mixture; far from it. We know it is equal to most fancy or special mixtures being offered.
Per lb. 30c, postpaid 40c; 10-lb. to 20-lb. lots 28c lb.

Keep Your Lawn Beautiful

The beauty of any lawn depends largely on two things—Seed and Fertilizer. Many people seem to think that after they have had a nice lawn made, that with water and an occasional cutting it will remain lovely forever. It can't do it. You must feed it. No one has a right to expect a lawn to stand tramping, cutting and the other abuses to which they are subjected without some Plant Food or Fertilizer applied each season. There is nothing better for new or old lawns than “WILGROW.” Note.—Stable manure should never be used for new seeding or for top dressing, as it invariably contains a large amount of weed seed, which will ruin the best lawn ever made.

WILGROW is a highly concentrated fertilizer, made principally from whale products. One sack of it contains as much plant food as a ton of ordinary stable manure. **WILGROW** does not contain weed seed. It is clean to handle and almost odorless. We have sold other fertilizers for years, but have discarded all brands for **WILGROW**, which has more advantages and merit. (See page 74 for full information.) Use one sack for the average city lawn (one lot) or two sacks worked into the top soil in making a new lawn.

Prices: 1½-lb. box 25c, postpaid 50c; 25-lb. sack, white drill, \$2.00. This is pure fertilizer. Contains no filler, and we know that a 25-lb. sack of **WILGROW** will give **BETTER RESULTS** than a 100-lb. sack of the average commercial fertilizer sold by other houses.

SPRAY PUMPS

Every fruitgrower needs a Spray Pump. We have an excellent line that we'll guarantee to give satisfaction.

ABOUT PRICES PLEASE READ FOLLOWING PARAGRAPH ABOUT PRICES

NOTE.—Present prices (December 1, 1910) on Timothy, Kentucky Blue Grass and White Clover are higher than they have been for years, and there is little prospects of a drop this season.

Prices on Grass and Clover Seeds per single pound include postage. Prices per ten, fifty and one hundred pounds are by express or freight, purchaser paying transportation charges. They are subject to market changes.

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, or order what you want at catalog prices, and we guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower. In other words, we will always ship seed to cover the full amount of money sent to us.

CLOVER SEEDS

RED (*Trifolium Pratense*).—More extensively grown than any of the other clovers; of very rapid growth; hardy, and succeeds well on any good soil; makes superior hay—especially if mixed with timothy—either for dairy cows or for general use.
Per lb., postpaid, 30c; 10 lbs. \$2.00; 100 lbs. \$19.00

MAMMOTH RED.—Grows very large, and is used almost exclusively for plowing under for manure.
Per lb., postpaid, 30c; 10 lbs. \$2.00

WHITE (*Trifolium Repens*).—Used largely in lawns and permanent pastures. It is perennial and thrives best on moist soil, but easily accommodates itself to a great variety of soils. Its stems are spreading, slender and creeping. Fancy clean seed is very scarce and high; beware of low priced seed this season.

Choice Seed, per lb., postpaid, 45c; 10 lbs. \$3.50

Fancy Seed, per lb., postpaid, 50c; 10 lbs. \$4.00

ALSIKE (*Trifolium Hybridum*).—Valued highly for sowing with other grasses, as it forms a thick bottom, thereby increasing the yield of hay. A perfectly hardy perennial variety, which is rapidly growing in popular favor. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

Per lb., postpaid, 30c; 10 lbs. \$2.00; 100 lbs. \$19.00

ALFALFA, OR LUCERNE CLOVER (*Medicago Sativa*).—It is no doubt one of the best fodder plants in the West. It should be cut just before coming into bloom. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green, and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. The seed should be sown in spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before the frost.

Per lb., postpaid, 35c; 10 lbs. \$2.25; 100 lbs. \$22.00

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

Per lb., postpaid, 35c; 10 lbs. \$2.50; 100 lbs. \$23.00



Alsike

GRASS SEEDS

GRASS, CLOVER AND FIELD SEED PRICES ARE SUBJECT TO MARKET CHANGES. READ PARAGRAPH TOP OF THIS PAGE

KENTUCKY BLUE (*Poa Pratensis*).—Perennial, 10 to 15 inches; June. Remarkable for its ability to adapt itself to a great variety of soils, succeeding on an average dry soil as well as on a moist meadow. An abundant yielder and presents a handsome green appearance early in the spring, thus making it of great value for lawn mixtures. Also endures the frosts of winter far better than many other grasses. Fancy clean seed is very scarce and high. Beware of low-priced seed this season.

Per lb., postpaid, 45c; 10 lbs. \$3.50

ORCHARD (*Dactylis Glomerata*).—Perennial; 3 feet; June. Of the greatest value in permanent pasture mixtures on account of its extreme earliness and rapid growth; thrives best in moist, shady places, and with withstand drought exceedingly well, growing when other grasses are drying up. Valued for hay crop, as it is very nutritious if cut early. Its inclination to grow in tufts necessitates other grasses being sown with it.

Per lb., postpaid, 35c; 10 lbs. \$2.25; 100 lbs. \$20.00

TIMOTHY, OR HERD'S (*Phleum Pratense*).—Perennial; 2 to 3 feet; June and July. As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil but succeeds best in a moist loam. Remarkably nutritious, especially when ripe, but as it is also hard and coarse at that stage, it is better to cut it when in blossom or soon after flowering. Beneficial to sow with timothy, red top and red clover, as they produce more of a bottom growth. Not suited to sandy or light or gravelly soils.

Per lb., postpaid, 25c; 10 lbs. \$1.40; 100 lbs. \$12.00

BROMUS INERMIS (Russia Forage Grass—Awnless Brome Grass).—This Bromus, on account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It will stand the longest drought of all forage plants. Its running roots take a deep and permanent hold upon the land, and it will replace, in a large degree, the fast-disappearing bunch grasses of Eastern Oregon and Eastern Washington, where it has done well. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. It is perennial, and yields from 4 to 6 tons to the acre.

Per lb., postpaid, 30c; 10 lbs. \$1.75; 50 lbs. \$8.00

ENGLISH RYE GRASS (*Lolium Perenne*).—Perennial; 15 to 24 inches; June. A valuable variety; used for lawn, permanent pasture and mowing mixtures; forms a very compact sward, and if cut when in blossom is very nutritious; very vigorous in most situations.

Per lb., postpaid, 25c; 10 lbs. \$1.50; 100 lbs. \$19.00

ITALIAN RYE (*Lolium Italicum*).—A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures; thrives best on soils that are slightly moist, and will even stand considerable overflow; grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable.

Per lb., postpaid, 25c; 10 lbs. \$1.25; 100 lbs. \$11.00

GRASS SEEDS—Continued

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

RED TOP (*Agrostis Vulgaris*).—Perennial, 1 to 2 feet; July. Of great value for mixing with lawn, hay or permanent pasture grasses; will succeed in nearly any soil, but thrives best in a rich, moist soil; makes a fine bottom growth, rendering it invaluable to be sown with grasses, such as timothy and orchard; should be fed close if for pasture, as it is not relished after it grows up to seed. Choice Seed, not hulled, per lb., postpaid, 25c; 10 lbs. \$1.50; 100 lbs. \$14.00.

Fancy Hulled Seed, per lb., postpaid, 35c; 10 lbs. \$2.00; 100 lbs. \$19.00.

MEADOW FESCUE (*Festuca Pratensis*).—Perennial, 18 to 24 inches; June and July; one of the most valuable grasses, succeeding in any good soil, though preferring moist places; very nutritious; largely used for a permanent pasture.

Per lb., postpaid, 30c; 10 lbs. \$2.50

MESQUITE (*Holcus Lanatus*).—It is usually sown on virgin soil, without cultivation, after the ground has been burned over; sow about 15 pounds seed to the acre.

Per lb., postpaid, 25c; 10 lbs. \$1.25; 100 lbs. \$10.00

RHODE ISLAND BENT (*Agrostis Canina*).—Perennial, 1 to 2 feet; June and July. Forms a very fine turf even on light soils; desirable for lawns, as it forms a very close sward; resembles red top in appearance. Sow 3 bushels to the acre.

Per lb., postpaid, 40c; 10 lbs. \$3.00

CREEPING BENT (*Agrostis Stolonifera*).—Perennial, 1 to 2 feet; July. A grass desirable for either lawns or permanent pasture on account of the firm and enduring turf it produces; specially adapted to moist situations.

Per lb., postpaid, 45c; 10 lbs. \$3.50

We sell BROADCAST SEED SOWERS, DRILLS, CULTIVATORS AND FARM TOOLS. See what we offer elsewhere.

TALL MEADOW OAT (*Arrhenatherum Avenaceum*).—Perennial, 2 to 4 feet; May and June. Remarkable for its luxuriant early growth in spring, and also for heavy crops in fall. Indispensable for a permanent pasture, especially on rich uplands.

Per lb., postpaid, 35c; 10 lbs. \$2.00

HARD FESCUE (*Festuca Duriuscula*).—Perennial, 18 to 24 inches; June. The most vigorous of the dwarf-growing grasses; thrives well in dry soils; comes early and withstands long droughts; very nutritious as a hay crop and valuable for permanent pasture.

Per lb., postpaid, 35c; 10 lbs. \$2.20

SHEEP'S FESCUE (*Festuca Ovina*).—Perennial, 6 to 18 inches, June and July. Named on account of the great liking shown for it by sheep; very low-growing, and especially adapted for dry, upland pastures.

Per lb., postpaid, 35c; 10 lbs. \$2.25

SWEET VERNAL ANNUAL (*Anthoxanthum Odoraturn Puelli*).—Valued chiefly for its odor.

Per lb., postpaid, 35c; 10 lbs. \$3.00

SWEET VERNAL, TRUE PERENNIAL (*Anthoxanthum Odoraturn*).—Perennial, 1 to 2 feet; May and June. Prized for hay and pasturage on account of its delicious fragrance.

Per lb., postpaid, \$1.00

Philomath, Ore., April 12, 1910.

Routledge Seed & Floral Co.

Gentlemen: The Dahlia Bulb came today in fine

shape. Thanking you very much for it, I am,

MRS. G. L. LESLEY.

Aurora, Ore., March 23, 1910.

Routledge Seed & Floral Co.

Dear Sirs: Received the bundle of trees in a good

condition. Many thanks for the nice and large trees.

Yours truly,

D. A. KEIL.

FIELD AND MISCELLANEOUS FARM SEEDS

Single pound prices include postage. If ordering by freight or express, deduct 10c per pound. Ten, fifty and one hundred pound prices subject to market changes. Seed to cover amount remitted always sent unless otherwise ordered. See notes top page 28. Write for prices on larger quantities when ready to buy.

ARTICHOKES

Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best

hog feed

known.

They are remarkable for their fattening

properties.

great

productiveness.

over

1000 bushels

having been

raised on 1

acre. Easier

to grow than

potatoes.

They need

not be dug.

If hogs are

turned in on



Artichoke Tubers

them they will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk, and at the same time improving their condition. Plant 10 bushels per acre early in the spring.

White French, most profitable variety, per lb., postpaid, 15c. By freight or express, peck, 50c; 1/2-bu. 75c; bu. \$1.25; 5-bu. \$5.50; 10-bu. \$10.00.

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, 20c; 10 lbs. 60c; 100 lbs. \$4.50

JAPANESE.—Good yielder; ripens early; excellent for bee pasture.

Per lb., postpaid, 20c; 10 lbs., 75c; 100 lbs. \$5.00

BARLEY

BEARDLESS.—The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season, land has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh heads, which are so disagreeable in thrashing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season.

Per lb., postpaid, 15c; peck 50c; bu. \$1.75

WHITE HULLESS (*Bald Barley*).—A grand barley for stock feeding. Grain plump, heavy, and when threshed is hullless like wheat; a heavy cropper. When grown and cut for hay it produces a magnificent crop, which is very rich and almost equal to a grain feed. Much relished by horses and stock of all kinds. An excellent hog feed. Culture same as common barley.

Per lb., postpaid, 20c; peck 60c; bu. \$1.75

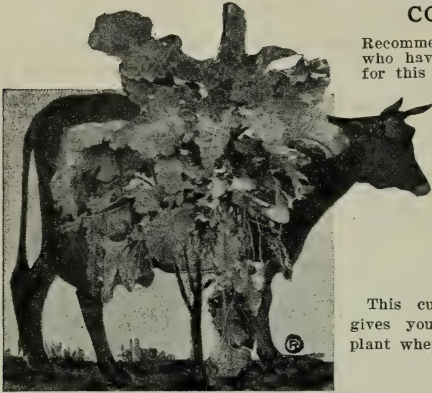
COMMON.—We always aim to have a nice, clean stock of good seed barley on hand at all times.

Per lb., postpaid, 15c; bu. \$1.25

Single pound prices on Grass Seed include postage. In ordering by freight, deduct 10c per lb. Ten, fifty and one hundred pound prices subject to change. See notes top page 28. For amount of seed to sow per acre see table inside back cover.

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Prices on farm seeds subject to change. See note, page 28. Write for 100-lb. prices. Seed tables inside back cover

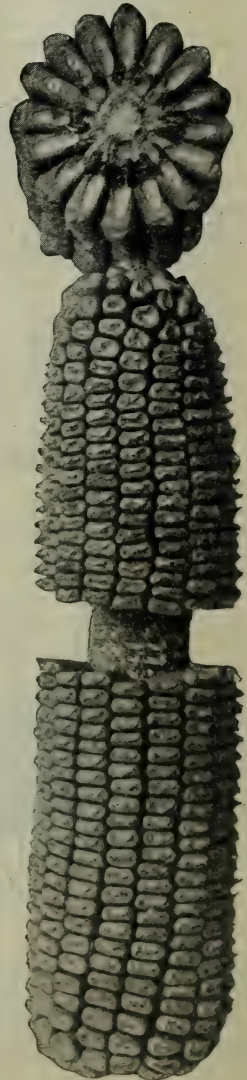


Thousand-Headed Kale

COW KALE—Thousand-Headed Kale

Recommended by agricultural colleges, granges and dairymen who have tested it as one of the most valuable forage plants for this Coast. It grows rapidly and produces a mass of thick, curly green leaves, rich and succulent, which are eagerly eaten by sheep, cattle and horses. Especially recommended for green feed during the dry summer months. Sow in drills two to three feet apart, four pounds to the acre, and thin out as needed. Makes the most rapid growth if sown in the early spring, but can be sown 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. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. postpaid, 60c

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



Routledge Pride of the West

CHEAT SEED

Cheat yields a good crop of hay, especially on low or moist soil, and will stand considerable overflow without harm. It makes an excellent hay for cows or horses, but should be cut before it gets too ripe. Sow in the fall or early spring, same as oats, and about 100 pounds per acre.

10 lbs. 50c; 100 lbs. \$3.00. Per lb., postpaid, 15c

COW PEAS

These so-called "Cow Peas" are really a small bean of strong running growth, with a large and abundant, glossy, dark green foliage. Most desirable for enriching the soil and for furnishing a large crop of nutritious forage. They yield as high as five to nine tons of green feed per acre. The vines may be cut either for feeding green or can be cured like clover for winter use. Sow two bushels per acre.

10 lbs. 75c; 100 lbs. \$7.00. Per lb., postpaid, 25c

FIELD CORN

If you want to raise some good Field Corn, plant our Northwestern 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 to raise matured, dry ears.

ROUTLEDGE PRIDE OF THE WEST—Yellow Dent

(Sample Ears on Display at Our Store.)

This new Field Corn is a grand success in Oregon. Our grower, C. E. Holtgrieve, has been raising this variety for five years, and by selecting the earliest ripening and best select ears, now has a strain that is a revelation to many people who have thought Oregon and Washington could not raise profitable field corn.

Last year was the first season we sold this seed, and reports from all sources are most favorable. One customer, a new settler in Oregon, wrote as follows: "My neighbors, when they saw me planting your Pride of the West Corn, said that it was no use; it wouldn't mature; but last week (September 10) I began harvesting my crop, and am glad to write that it produced a good crop of handsome, ripe ears of good size and quality. You will get many orders from this section next season."

Routledge Pride of the West field corn is an early maturing variety, producing stalks from 8 to 10 feet high, and large ears, 8 to 9 inches long. Cobs covered with 14 to 16 rows of deep, yellow kernels. It is a heavy yielder. Our grower reports having harvested this year 82 bushels per acre—going some, eh? Plant some of this corn this season; you will be pleased with results, we are sure.

Stock limited, so order early. Large Pkt. 10c; lb. 20c, postpaid. By freight or express, lb., 10c; 10 lbs. 85c; 100 lbs., \$7.50.

OREGON WHITE DENT

Similar to above, except that seed is white; a good cropper and preferred by some. Same price as above. Acclimated Oregon-grown.

HOLTGRIEVE SPECIAL

(Sample Ears on Display at Our Store.)

This is a Whitecap Yellow Dent Corn, producing handsome ears 10 to 11 inches long, covered with 16 straight rows of fine quality, deep golden corn, showing a white or light yellow cap. It makes a fine-looking ear, and matures up well. This corn evidently contains a strain of the flint, for the kernels are harder, more flinty and not so deep as Pride of the West, and matures a little earlier.

Large Pkt. 10c, postpaid 20c; by express or freight, 10 lbs. 85c; 100 lbs. \$7.50.

MINNESOTA KING and PRIDE OF NORTH

We can supply these two varieties if wanted, at market prices, but we recommend our other varieties.

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Prices on farm seeds subject to change. See note, page 28. Seed tables inside back cover.

FIELD PEAS

Field Peas are a very profitable crop and are grown here very extensively.

- WHITE CANADIAN.**—A leading kind; seed almost white; a heavy cropper.
10 lbs. 60c; 100 lbs. \$5.00. Per lb., postpaid, 20c
- BLUE PRUSSIAN.**—Very much like the above except in color; used extensively
10 lbs. 60c; 100 lbs. \$5.00. Per lb., postpaid, 20c

KAFFIR CORN

An excellent fodder plant. It does best sown in drills three feet apart, using six to eight pounds of seed per acre.

10 lbs. 70c; 100 lbs. \$6.00. Per lb., postpaid, 25c

FLAXSEED

Recleaned, for planting.

10 lbs. 75c. Per lb., postpaid, 25c

MILLETS

Sow in April, May or June, 12 pounds for seed or 20 pounds for hay per acre.

- GERMAN.**—An improved variety, yielding a larger crop of seed than the common millet. It is also taller than the common, and yields a heavier crop of hay.
Per lb., postpaid, 20c; 10 lbs. 75c; 100 lbs. \$6.00
 - HUNGARIAN.**—A dwarf annual millet. It is finer than the common or German millets, but produces a closer stand, and yields almost as much per acre as the taller varieties; superior for hay.
Per lb., postpaid, 20c; 10 lbs. 70c; 100 lbs. \$6.00
- For price on Millet for feed, see Poultry Foods.



Millet

MONEY MAKING

SEED OATS

OF SPECIAL MERIT



Routledge Prize Oats (from photograph)

Routledge Prize Oats.

This wonderful new oat, introduced by us in 1908, has proved in growing contests all we claimed for it. Routledge Prize certainly is a prize oat, and a real prize-winner at the county fairs wherever it has been shown. This grand oat belongs to the tree or branching class, and is a vigorous, healthy grower of strong stooling qualities and need not be seeded as heavily as most oats. (1½ to 2 bushels per acre is ample.)

This is the heaviest yielding oat introduced to date. From several hundred samples we sent out, spring of 1908, the lightest yield reported was over 100 bushels per acre, and from that up to 200 and 300 bushels—simply enormous.

Farmers, why not double your oat yield? There is not a Western farmer who cannot afford to invest at least \$2.00 to get a start of this great and profitable new oat.

Routledge Prize Oat is a very early, drought-resisting variety. Grain good size, plump and heavy. White seeded variety.

We advise early orders.

Prices: By mail, postpaid, 1 lb. 25c; 4 lbs. 75c. By freight or express, peck 75c; ¼-bu. \$1.25; 1-bu. \$2.00; 3-bu \$5.00.

Read the reports on next page.

SEED OATS—Continued.

Reports on Routledge Prize Oats. More on File WON FIRST PRIZE

Routledge Seed & Floral Co.

Gentlemen: Three cheers for the Routledge Prize Oats. I just received the "blue ribbon" FIRST PRIZE on a bundle of your Prize Oats I grew and placed on exhibit at Clark County Harvest Show and Fair.

Routledge Prize are the finest oats ever grown in Clark County. From seed obtained from you last spring, I harvested on an average of 108 bushels per acre (42 lbs. per bushel), on high land not fertilized. Could have reported a much heavier yield if the pheasants and squirrels had not destroyed so much grain along the fence near the timber. They are a splendid oat, grew about five feet high and matured early. I advise all farmers to grow this grand oat. Yours truly,

Oct. 10, 1910. (Signed) JOHN HALKYER.

OSCAR DRURY writes: "I drilled them in rows, planting one ounce in each row, making four rows. They averaged five feet in height. Their stooiling qualities are good. They make as many as twenty-

three stalks to the grain. I threshed out eighty-nine (89) pounds of clean oats from the four ounces I planted. I can make affidavit to this statement if it is necessary.

The above report figures over 500 bushels per acre.

W. C. BATES' REPORT: "Gentlemen: I think the Routledge Prize Oat a splendid variety. I planted them the 19th day of April. They grew quite tall, measuring four feet and ten inches, with three grains in nearly every mesh, where other oats have two. I cut and cured them, and threshed twenty (20) pounds from four ounces. Every one that saw them thought they were a fine-looking oat."

The above report figures over 200 bushels per acre.

RUDOLPH SCHMITZ REPORTS: "Oats were sown last of May, and harvested on the 19th of August. Your four-ounce sample yielded 31½ pounds of oats. Kernels well filled and plump. Stooled out a great deal more than other oats, and stood up 4½ feet high by the very dry season which prevailed over this section this year. They are great."

The above report figures over 250 bushels per acre.

NEW GIANT—Side Oat

The earliest, most prolific and surest cropper. Wherever this oat is seen it speedily comes into great favor. For a spring oat for seeding in March and April it is unquestionably the best; matures early; is free from rust; makes a vigorous growth, and produces a remarkably good yield of clean, bright, heavy grain.

Price per lb. 20c, or 4 lbs. for 60c, postpaid. By express or freight, per peck 60c; per bu. \$1.50; 3 bu. \$4.00.

RYE—FOR SEED

Per lb., postpaid, 15c; peck 50c; bu. \$1.75.

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, four pounds, in drills; or, if broadcast, eight pounds.

Per lb., postpaid, 25c; 10 lbs. \$1.25

SPELTZ

It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect on it. After the grain is threshed out, the straw makes good hay. The grain has a hull, something like barley. 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.

Price per lb. 20c; peck 50c; bu. \$1.75

VETCHES

OREGON VETCH (*Vicia Sativa*).—Oregon's greatest forage plant. Often called Fall Vetch. This is a species of the pea, and is grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon coast. It furnishes an abundance of excellent feed, either green or dried. The seed should be mixed with an equal weight of some variety of wheat, oats, or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Sow in the fall or early spring.

Per lb., postpaid, 20c; 10 lbs. 60c; 100 lbs. \$4.00

HAIRY SAND OR WINTER (*Vicia Villosa*).—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.

Per lb., postpaid, 25c; 10 lbs. \$1.25; 100 lbs. \$12.00

WILD RICE—*Zizania Aquatica*

For planting in duck ponds. If you are interested in wild rice, write us. We have made a success of growing it, but not with ordinary dry seed.

WHITE SEED OATS—GRAY OR BLACK OATS

We always aim to have a selected, re-cleaned stock of good White, Black or Gray Seed Oats. Can sell them at about market price for No. 1 seed. When ready to buy, write us for prices, stating quantity wanted, or order at \$1.25 per bu., 3 bu. \$3.00, and you will get good value.

SEED WHEAT

When ready to buy, write for prices or order amount you want at the rate of \$2.50 per 100 lbs., and we will send you full value in the best seed obtainable in the Portland market.



Vetches.



GENERAL LIST, IN ALPHABETICAL ORDER, OF OUR

"HIGHEST QUALITY" FLOWER SEEDS.

The following list contains a general assortment of the choicest and most popular and easiest grown flowers for conservatory, greenhouse or garden culture.

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

Hardy Annuals are those which can be sown in the open ground.

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.

Biennials 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.

Perennials grow from seed, and continue flowering annually for many years after the first season. Some varieties flower the first season if planted early in gentle heat.

Half-Hardy Biennials require the protection of a coldframe or coolhouse during winter.

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

Half-Hardy Perennials require the protection of a coldframe or coolhouse during winter.

Tender or Greenhouse Perennials require window or greenhouse culture, free from frost during winter, and thrive in the garden during the warm months.

CULTURAL DIRECTIONS.

Cultural directions are printed on the back of nearly all packets.

Flowers usually succeed best in a sandy loam, made rich with well-rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

At any time we will cheerfully supply any information as far as we are able pertaining to gardening or floriculture, and solicit correspondence from our customers.

ACROCLINIUM

Hardy annual, with everlasting flowers; good for cutting; flowers double white, 1 foot; July to October; Album, Fl. Pl. or Mixed. Pkt. 5c

AGERATUM

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

Mexicanum.—Dwarf, blue. Pkt. 5c; ¼-oz. 25c

Album.—Pure white, dwarf. Pkt. 5c

Finest Mixed. Pkt. 5c

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; outrivals lobelia. Pkt. 20c

AGROSTEMMA

Coeli-Rosa (Rose of Heaven).—Superb free-flowering, hardy annual, rose-colored flowers; fine for cutting; height 1½ feet; July to September. Pkt. 5c

ALOYSIA—Lemon Verbena

Citriodora.—A greenhouse shrub, valuable for the fragrance of the foliage; 2 feet. Pkt. 10c

ALYSSUM

One of the most popular hardy annuals, used especially for edging and also valuable for cutting on account of the fragrance of the flowers. (See cut, page 33.)

Sweet.—Pure white; 6 inches; June to November. Pkt. 5c; oz. 35c

Little Gem.—The dwarfiest and best for design bedding; plants very compact and bushy, and grow only 3 inches high. Pkt. 10c; oz. 60c

Saxatile Compactum (Gold Dust).—Hardy perennial; yellow flowers; April to June; height 9 inches. Pkt. 10c; ¼-oz. 20c

AMARANTHUS

Caudatus (Love-Lies-Bleeding).—Hardy annual. Ornamental foliage plant; fine for bedding; green foliage with long, drooping crimson racemes; 2 feet. Pkt. 5c

Cruentus (Prince's Feather).—Dark red foliage, and feathery flowers; 2 feet. Pkt. 5c

Tricolor (Joseph's Coat).—Red, yellow and green. Pkt. 25c

ANTIRRHINUM—Snapdragon

Half-hardy perennial and annual. Blooms in July if sown early in the house. One of our finest cut flowers.

Queen Victoria.—New, tall; very large, pure white; superb. Pkt. 15c; ¼-oz. 50c

Aurora.—New; semi-dwarf; cinnamon scarlet, white throat. Pkt. 25c

Tall Giant, Finest Mixed.—Our seed of this exceptional fine quality comes from a specialist in England, and is without doubt the choicest strain. Pkt. 10c; ¼-oz. 25c

Dwarf, Finest Mixed. Pkt. 10c; ¼-oz. 30c



Aquilegia.

AQUILEGIA—Columbine

Hardy perennials. Are most elegant plants and invaluable for cut flowers; moist situations; plenty of sun. Used in rockeries. (See cut.)

Benary's Long Spurred.—Superb mixture. Pkt. 15c; ¼-oz. 25c

Rose Queen.—Beautiful rose color, with white center, yellow anthers. New. Pkt. 25c

Single Finest Mixed. Pkt. 5c; ¼-oz. 20c

Double Finest Mixed. Pkt. 5c; ¼-oz. 20c

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

ASPARAGUS

Plumosus Nanus.—A graceful pot plant for either house or conservatory; very finely cut foliage. Pkt. 25c; 100 seeds \$1.00

Sprengeri.—Drooping foliage; adapted for hanging baskets or cutting. Pkt. 10c; 100 seeds 50c

ASTERS

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.

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.

White, Pink, Lavender or Finest Mixed, Pkt. 10c; $\frac{1}{4}$ -oz. 50c

NEW MIDSUMMER.—Introduced in 1906. Undoubtedly the most graceful Aster in existence. The formation of the flower is superb, the size gigantic, the colors are the most delicate. The flowers are borne on stout stems, 24 to 30 inches in height, an excellent quality if wanted for cut flowers. The most valuable point about this variety is that it produces its fine flowers early, and continues to do so until frost kills the plants.

Pure White, Shell Pink, True Lavender, Royal Purple, Bright Rose or Finest Mixed, per pkt. 15c; collection of five colors 50c.

NEW GIANT COMET.—Considered by many to be the most beautiful of all the Asters. The immense size of the flowers and the long, wavy, twisted petals produce an effect not unlike the finer Japanese chrysanthemums. It is an ideal cutting variety, as each plant bears a number of these exquisitely formed flowers on long, stiff stems.

Pure White, Crimson, Violet or Finest Mixed, Pkt. 10c; $\frac{1}{4}$ -oz. \$1.00.

The Bride.—New and lovely shade; white passing to rose. Pkt. 15c; $\frac{1}{4}$ -oz. \$1.25

NEW CREGO.—This beautiful, new, free-flowering Aster is 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. With ordinary care you can grow flowers measuring 5 to 6 inches across. (See cut.)

Pure White, Shell Pink, Rose, Purple or Mixed, Pkt. 15c; $\frac{1}{4}$ -oz. \$1.00.



New Crego Aster.

HERCULES.—New. A gigantic flower of the purest white; long wavy petals give it the appearance of a chrysanthemum. A most desirable type, produced on long stiff stems. Ideal for cutting, garden or pot culture. Our grower says Hercules produces more perfect flowers per thousand plants, than any other.

Pkt. 20c

LADY ROOSEVELT.—A new giant, long-stemmed chrysanthemum aster. Flowers gorgeous pink. Excellent seller as a cut flower.

Pkt. 15c; $\frac{1}{4}$ -oz. 75c

NEW MIKADO.—A new aster of sterling merit; comet style and very popular among florists for cutting. Plants produce a profusion of beautiful, large flowers.

Pkt. 25c
Shell Pink or Pure White, Pkt. 15c; $\frac{1}{4}$ -oz. 60c

OSTRICH FEATHER.—This class resembles the Giant Comet variety in having the long, twisted petals. The petals are longer, however, thus bearing a much closer resemblance to the Japanese chrysanthemum.

Finest Mixed, Pkt. 10c; $\frac{1}{4}$ -oz. 75c

PEONY-FLOWERED PERFECTION.—The best of the French type asters. Flowers are very large, have incurved petals and are perfect in shape. No collection of asters is complete without them. Height 2 feet.

White, Rose Pink or Finest Mixed, Pkt. 10c;
 $\frac{1}{4}$ -oz. 60c.

IMPROVED VICTORIA.—A variety unsurpassed for beauty of form; flowers are enormous in size, with reflexed petals, there often being as many as twenty to the plant; especially valuable for exhibition.

White, Pink or Finest Mixed, Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

LATE BRANCHING.—Superior to any other late-flowering aster. Flowers are very large in size and borne on long, stiff stems, 2 to 2 $\frac{1}{2}$ feet high, which, together with the ideal form of the bloom, at once places them at the head of our September flowers. The petals are long, giving a chrysanthemum-like appearance to the flower, which greatly enhances its beauty. (See cut.)

Crimson, Dark Blue, Light Blue, Rose, Pink,
White or Finest Mixed, Pkt. 10c; $\frac{1}{4}$ -oz. 60c



ASTER PLANTS

And all popular bedding plants supplied in season. See pages 54 to 58.

Late Branching



Aylssum

BABY'S BREATH

See Gypsophila, page 38.

BACHELOR'S BUTTONS

See Centaurea, page 36.

BALLOON VINE

Annual climber; flowers white; seed vessels like small balloons; pretty foliage; grows rapidly; height 8 feet. Pkt. 5c; ½-oz. 15c

BALSAM

Hardy annual, succeeding best in sunny situations, rich loam and moisture. Very showy and of easy culture; 1½ feet. July to September.

Prize Mixture.—This strain will produce the most perfectly formed double flowers in the greatest variety of colors. Pkt. 10c; ¼-oz. 25c

Improved Camelia-Flowered.—Large, extra double flowers. Finest Mixed, Pkt. 10c; ¼-oz. 25c

BEAN

Scarlet Runner.—The well-known, rapid-growing annual climber, with bright red flowers, from July to September; height 8 feet. Pkt. 10c; oz. 20c; ¼-lb. 50c

BELLIS—Double English Daisy

Popular spring flowering perennial; height 4 inches. April to September. Double Mixed, Pkt. 10c

Longfellow.—Large, dark rose; long-stemmed flowers. Pkt. 10c

Snowball.—Pure white. Pkt. 15c

Giant Red.—Very rare. Pkt. 25c

BOCCONIA—Plumed Poppy

Hardy perennial; large heart-shaped, glaucous, deep-veined foliage; immense panicles of creamy flowers; July to September; 6 to 8 feet. Pkt. 10c; ¼-oz. 15c

BROWALLIA

A very profuse blooming, half-hardy annual bedding plant, bearing during summer and autumn handsome winged flowers of different shades of blue; 1½ feet. Finest Mixed, Pkt. 10c

CALENDULA—Pot Marigold

Hardy annual; one of the most universal garden flowers. This is the Marigold of Shakespeare's time. The flowers appear in solitary heads on stout stalks; large, with flat spreading rays; very showy; flowers the entire season; 1 foot. Double Finest Mixed, Pkt. 5c; ¼-oz. 20c

CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, thinning out to stand 6 inches to 12 inches apart.

Finest Tall Mixed.—Annual; all shades of yellow, red and brown. Pkt. 5c; ¼-oz. 20c

Hybrida Superba.—Showy new shades. Pkt. 10c; ½ oz. 20c

CALLIRHOE—Poppy Mallow

Hardy perennial; beautiful trailing plant, with palmate foliage; flowers large, crimson, with white center; fine for rockwork; 1 foot; June to October. Involuerata. Pkt 5c; ¼-oz. 25c

CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers of brilliant, self-colors and spotted. Our strains of Calceolaria are very fine.

Hybrida Grandiflora.—Flowers of immense size; seeds saved from finest specimens. Pkt. 25c

Rugosa Major (Perennial Hybrid).—Fine mixed; somewhat larger than preceding; excellent. Pkt. 25c

CAMPANULA—Bellflower

Well-known, beautiful, hardy herbaceous perennials, bearing a great profusion of attractive bellflowers; thrives best in light, rich soil; some of the varieties flower the first season if sown early.

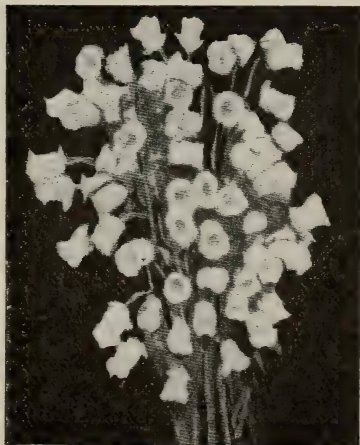
Persicifolia Grandiflora (Peach Bells).—Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large flowers.

Blue, White or Mixed, Pkt. 10c; ¼-oz. 50c

Persicifolia Gigantea Moerheimi.—A beautiful, new variety; 2 feet high. In June and July bears spikes of large, double pure-white flowers. Pkt. 25c; 1-16-oz. \$1.50

Pyramidalis (Chimney Bellflower).—Stately, hardy perennial, either for garden or pot culture; 3 feet. Blue or White, Pkt. 5c; ¼ oz. 20c

Carpatia (Carpathian Hare-Bell).—Free-flowering, hardy perennial, continuing in bloom the whole season; color clear blue or white; grows 6 inches high; especially good for edging. Pkt. 5c; ¼-oz. 20c



CANTERBURY BELLS—

Campanula Medium

Very ornamental garden plants of easiest culture; excellent for cutting; hardy biennial; 2½ feet high, producing large bell-shaped flowers of exquisite colors. See Campanula (Bellflower) above for perennial class.

Single Finest Mixed, all colors. Pkt. 5c; ¼-oz. 20c

Double Blue, White, Lilac, Rosy Carmine or Mixed. Pkt. 10c; ¼-oz. 30c

Mill City, Oregon, Jan. 22, 1910.
Routledge Seed & Floral Co.,
Portland, Oregon.

Dear Sirs: I received my plants and am much pleased with them, they are so much larger than I expected. Yours truly,

J. E. McCOY.

CANTERBURY BELLS—Contd.**Campanula Medium**

R. R.'s Prize Mixture.—Biennial; a perfect strain, which contains every color of both single and double flowers (including Calycanthema). Pkt. 10c

Calycanthema (Cup and Saucer Canterbury Bells). This is unquestionably one of the finest types. They have an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer. Lilac, Rose, White or Mixed. Pkt. 15c; 2 for 25c

CANARY CREEPER

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 fringed, bright yellow flowers. Pkt. 5c; ¼-oz. 20c

CANNA

Stately plants, with massive, rich and handsome foliage, colors superb, splendid yellow, rich orange, deep carmine, flaming scarlet; others beautifully spotted and marked. Invaluable for conservatory decoration.

Crozy's Hybrids Mixed. Pkt. 5c; oz. 25c

CANDYTUFT—Iberis

Showy, branching plants, much grown in masses in beds or for edging; also grown extensively for cut flowers; of easy cultivation, they succeed in any rich garden soil.

Finest Mixed. Pkt. 5c; oz. 25c

Crimson. Pkt. 5c; ¼-oz. 15c

Empress.—A large-flowered variety of purest white; grown extensively for cut flowers; heads broad. Pkt. 5c; ¼-oz. 20c

PINK BEAUTY (Novelty).—Fine, true pink; an exquisite flower. Pkt. 15c

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. 50c

Sempervirens.—Perennial; pure white flowers, evergreen foliage. Pkt. 10c; ¼-oz. 25c

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

Chabaud.—Fall and winter blooming of finest quality. Used mostly by florists. Double flowers. Pkt. 40c

Marguerite 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 flower profusely the next summer.

Benary's Giant.—Extra large flowering and of the most beautiful colors. Pkt. 25c

White or Yellow.—Large, perfect flowers. Pkt. 15c

Choice Mixed. Oz. \$1.00; Pkt. 10c

CELOSIA CRISTATA—Cockscomb

Showy annuals of easy cultivation. 1 foot. Producing large, brilliant, comb-like flower heads.

Glasgow Prize.—Showy, dark crimson combs. Pkt. 10c; ¼-oz. 35c

Finest Mixed.—Rich mixture. Pkt. 5c; ¼-oz. 20c

CELOSIA 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 ornamental plants for either pot or outdoor planting. It is of easy culture.

Thompsoni Magnifica.—The most perfect strain of the ostrich plumed Cockscombs. The flower spikes vary in the most magnificent shades of colors, ranging from the clearest yellow to the darkest of blood red. In constant bloom from July to November. Should be planted in every garden, large or small. Pkt. 10c; ¼-oz. 25c

Thompsoni Golden Yellow.—True colors. Pkt. 10c

Thompsoni Crimson. Pkt. 10c

Yale, Wash., Dec. 28, 1909.

Routledge Seed & Floral Co.

Gentlemen: I have received fruit trees O. K. They look very nice to me. Yours truly,

STEVE SCHMIDT.

CENTAUREA—Dusty Miller

These are grown for foliage only, and make excellent plants for edgings. They are hardy annuals and grow rapidly. The leaves are very lanced and are silver-coated.

Candidissima.—Thick white leaves. 1 foot. Pkt. 10c

Gymnocarpa.—Fine, fern-like leaves, very graceful and showy. 1 foot. Pkt. 10c

Centauria Cyanus (Bachelor's Button, Cornflower, Blue Bottle, or Ragged Sailor).—This is one of the most popular annuals; will grow in the poorest of soil, either on seashore or mountains. Seed can be sown either in fall or spring. Sandy soil preferable. Height 2½ feet. Finest Mixed, Pkt. 5c; oz. 25c

Centauria Cyanus fl. pl. (Double Bachelor's Button).—Mixed. Pkt. 10c; ¼-oz. 50c

Centauria Imperialis (Giant Cornflower).—The flowers are of enormous size, fragrant and of charming colors. Excellent for cutting. Pkt. 10c; ¼-oz. 25c

Marguerite.—Flowers 4 inches across; purest white; very fragrant; July to September. Pkt. 10c; ¼-oz. 30c

Centauria Moschatus (Sweet Sultan).—Hardy annual, with very fragrant and showy flowers. 1½ feet; June to September. Finest Mixed, Pkt. 5c; ¼-oz. 25c

Perennial Varieties

Centauria Babylonica.—Pure yellow, grand flower. 3 feet. June to September. Pkt. 10c; ¼-oz. 30c

Centauria Montana (Cornflower of Armenia).—Large, feathery flowers; height 2 feet. July and August. Pkt. 10c

Blue. Pkt. 10c

White. Pkt. 25c

CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, flowering from July to frost. Excellent for cutting. Height 2 feet.

Single Annual, Finest Mixed. Pkt. 10c; ¼-oz. 25c

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

Japanese Early Flowering (Double Flowering).—These flower in the open ground from August to November. Splendid plants for show effect. Height 3 feet. Pkt. 25c

CINERARIA

One of the most gorgeous colored flowering plants for either greenhouse or conservatory. Seeds should be sown in July, but may also be sown in August or September.

Hybrids 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; 1½ foot. Pkt. 35c



Cosmos plant in bloom.

See next page for varieties.

By Buying Our Large Clumps of Perennial Flowering Plants You Gain One Year.
See pages 59 to 61.

CLARKIA

A mighty handsome annual, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. The flowers are borne all along the stems and resemble carnations to quite an extent. 1 foot. July to October.
Elegans.—Double mixed. Pkt. 5c

COREOPSIS

Lanceolata Grandiflora.—Hardy perennial. This is one of the finest of hardy plants, 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. Pkt. 10c; ¼-oz. 35c
Grandiflora.—Very similar to above except this variety has glabrous leaves; 2 feet; all summer. Pkt. 10c; ¼-oz. 20c

COSMOS

Among the garden annuals that have come into prominence in recent years, the Cosmos has a most brilliant future. It is a show in the garden and magnificent when cut. Formerly we had to be content with the late-flowering type, which was often killed by early frost. Now that we have a most perfect type of the early flowering class, every garden should contain this exquisite flower. (See cut, page 36).
Benary's Early Flowering.—If sown out-of-doors in May, flowers can be picked early in July. The plants grow but 4 feet high, and do not require staking, like the late-flowering varieties. Flowers very large.
Early Flowering Mixed. Pkt. 10c; ¼-oz. 15c
Mammoth, Mixed.—Flowers often 4 inches across; plants 7 feet high. Blooms do not appear until October, when other flowers are scarce.
White, Pink or Mixed, Pkt. 10c; ¼-oz. 25c

COBAEA SCANDENS

Popular climbing perennial, flowering the first season. Large, purple, bell-shaped flowers appear in great profusion during the fall months. Foliage very graceful. 20 feet. Pkt. 10c; ¼-oz. 25c

COLEUS

Splendid bedding plants, with beautifully colored foliage; easily grown from seed if kept in warm temperature; tender perennial. Pkt. 25c
Benary's Exhibition.—Superb.

CONVOLVULUS MINOR

See Morning Glory, page 40.
Cornflower.—See Centaurea Montana, page 36.

CYCLAMEN

Beautiful plants for the window or greenhouse, with mottled leaves and rich-colored flowers. Both the strains offered below have gained a reputation for their large size, perfect form and brilliant colors.
Giganteum.—Finest mixed. Pkt. 40c
Papilio (Butterfly).—The edges of the flowers are beautifully fringed or waved; mixed colors. Pkt. 25c

CYPRESS VINE

Finest Mixed.—A fast-growing annual vine, with feathery, dark green foliage and star-like flowers. July to October. 20 feet. Pkt. 5c; ¼-oz. 20c

DAHLIA

This very popular flower can easily be raised from seed; in fact, it is surprising how many new varieties are yearly introduced from seedlings. Seed sown in March will produce flowers in August.
Cactus-Flowered, Double Mixed. Pkt. 20c
Double Show, Finest Mixed. Pkt. 10c
Single Giant Perfection.—A most perfect strain of single Dahlias. Flowers are gigantic and exquisitely colored. 4 feet. Pkt. 10c

DOLICHOS—Hyacinth Bean

Annual climbers, with hyacinth-like purple and white flowers, borne in clusters. 10 feet. July to September. Mixed, Pkt. 5c; oz. 25c



Eschscholtzia Carmine King.

DAISIES

Burbank's Shasta Daisies.
Newest Hybrids. Pkt. 25c
Alaska or Shasta.—Pure white; gigantic. Pkt. 20c
See Bellis for Double Daisies, page 53.

DELPHINIUM—Perennial Larkspur

Handsome, hardy perennial plants for the herbaceous border and shrubbery, producing a profusion of splendid spikes of flowers throughout the summer; will usually bloom the first season.
Cashmerianum.—Large, dark blue flowers; hooded form. Pkt. 15c
Chinese Azureum.—This variety branches very freely and produces its flowers on single stems, in greatest abundance. Clear, deep blue. July to October. Height 3 feet. Pkt. 5c; ½-oz. 15c
Cardinal.—Scarlet; 3 feet. Pkt. 20c
Formosum.—Long-spurred, brilliant blue flowers, with white eye; 4 feet. July to October. Pkt. 5c; ½-oz. 20c
Elatum Hybridum.—Superb collection of finest double varieties. Pkt. 15c; ½-oz. 35c

DIANTHUS—Garden Pink

All the 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, as well as bedding. Height 1 foot.
Chinesis fl. pl. (Chinese Pink).—Finest Mixed.—Large double flowers in unlimited variety of colors. Pkt. 5c; ½-oz. 20c
Heddewigii fl. pl. (Japanese Pink).—Finest Mixed.—Pkt. 10c; ½-oz. 35c
Fireball.—New, extra double, brilliant, dark scarlet; very beautiful. Pkt. 10c; ½-oz. 50c
Snowdrift (Lanceolatus).—Extra large, pure white, double. Pkt. 25c; 1-16-oz. 50c
Benary's Prize Mixture.—Very rich. Pkt. 5c; ½-oz. 20c
Semperflorens (Perennial Hardy Garden Pink).—Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors. Pkt. 15c; 1-16-oz. 25c

Klamath Falls, Oregon.

Warrenton, Or., May 2, 1910.

Routledge Seed Co.

Routledge Seed & Floral Co,
Portland, Or.

Gentlemen: Received your order, and everything was in fine shape, much better than expected, and plants very large and fine. Respectfully yours,
(Signed) A. LOGAN.

Gentlemen: Our trees and plants were received some time ago, and are all doing fine.

Very truly yours,
David Tagg.

DIGITALIS—Foxglove

Hardy perennials, very desirable for effective massing or grouping; invaluable either in the hardy border, between shrubs or in solid beds. (See cut.)



Digitalis—Foxglove.

- Beauty Mixture.**—Comprising all the choicest colors. Pkt. 5c.
- Gloxinaeflora, Finest Mixed.**—Flowers spotted similar to gloxinias. Pkt. 5c; ½-oz. 20c
- Monstrosa (Main-moth Foxglove).**—The tall spikes are surmounted by one monstrous flower; all colors mixed. Pkt. 10c ½-oz. 30c.

GYNERIUM

Argentum.—Hardy perennial. The famous pampas grass, with beautiful silvery plumes; 10 feet. Pkt. 10c

GYPSOPHILA—Baby's Breath

- Elegans.**—Hardy annual. Extremely useful for bouquets. Flowers small, and come in delicate sprays and panicles; pure white; 2 feet. June to September. Pkt. 10c
- Muralis.**—Hardy annual. Bright rose; 1½ feet. Pkt. 10c
- Paniculata.**—Hardy perennial. One of the finest for cutting. Pure white flowers, very small, and borne in large panicles. Pkt. 10c; ¼-oz. 25c

HELIANTHUS—Sunflower

- Among the showiest of our garden plants.
- Californicus fl. pl.**—Very large, perfectly double yellow flowers; 5 feet. Pkt. 5c; oz. 25c
- Chrysanthemum-Flowered.**—Clear orange yellow, double flowers, similar to a chrysanthemum. Pkt. 5c; oz. 35c
- Globosus Fistulosus.**—Flowers immense, from 12 to 15 inches in diameter; globular and extremely double; the most effective of all annual sunflowers. Pkt. 5c; oz. 35c

HELIOTROPE

- Most pleasing, fragrant, tender perennial; popular as a garden bedding plant, also for cutting. Some of the best plants may be raised from seed very readily. 1½ feet. June to October.
- Finest Mixed.** Pkt. 10c
- Queen Marguerite.**—A new variety, which grows very compact and produces single heads of deep blue; extremely fragrant flowers, which often cover the entire plant. A grand novelty and well worth a trial. Pkt. 25c
- Madame de Blonay.**—White; fine for bouquets. Pkt. 15c

HESPERIS—Sweet Rocket

Hardy biennial. Showy terminal spikes of all colors; very popular and fragrant; will grow in any common soil. 2 to 3 feet. June to October.

HIBISCUS

Africanus.—Hardy annual; yellow flowers, having a maroon center; 2 feet. July to October. Pkt. 5c

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 24 hours. Pkt. 5c; ½-oz. 20c

ESCHSCHOLTZIA—California Poppy

One of the most popular garden annuals. Seeds should be sown very early. It stands considerable cold and blooms after the first frosts. If well protected plants will live through the winter. (See cut.)

- Finest Mixed.**—All shades. Pkt. 5c; oz. 30c
- California.**—Bright yellow. Pkt. 5c; oz. 30c
- Alba.**—Pure white. Pkt. 5c; oz. 35c
- Carmine.**—A beautiful rose carmine. Pkt. 10c; oz. 60c
- Golden West.**—Very large, bright yellow flowers. Pkt. 10c; oz. 50c

FOUR O'CLOCK

See Marvel of Peru, page 39.

FORGET-ME-NOT

See Myosotis, page 40.

FOXGLOVE

See Digitalis, page 38.

GALLARDIA—Blanket Flower

- Splendid, showy plants for beds or borders; excellent for cutting; the hardy perennial varieties will also bloom the first season, if sown early. (See cut.)
- Grandiflora Semiplena.**—Hardy perennial; new variety; bear very large, long-stemmed flowers; choice mixed colors; 15 inches. Pkt. 15c
- Grandiflora Superba.**—Hardy perennial; splendid mixed varieties; 2 feet. Pkt. 10c
- Picta Lorenziana.**—Hardy annual; double mixed colors; 2 feet. Pkt. 5c

GERANIUM

Finest Mixed Hybrids.—A mixture of the leading varieties. Tender perennial; 18 inches. May to October. Pkt. 25c

GLOXINIA

- Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot.
- Hybrida Grandiflora.**—The best strain in existence, embracing all the choicest self-colored, tigered and spotted flowers. Pkt. 25c

GOMPHRENA—Globe Amaranth

A dwarf hardy annual, with pretty clover-like head of purple, white and red flowers; 12 inches. Flowers everlasting. Pkt. 5c

GODETIA—Satin Flower

Finest Mixed.—This showy, hardy annual deserves greater popularity. Mallow-like flowers, varying from white to all shades of pink and crimson. They grow rapidly, and flower profusely; of easy cultivation, both at seashore or mountain resorts; 1½ feet. July to October. Pkt. 5c

GOURDS

Ornamental.—Fast-growing annual vines; cucumber-like foliage; creamy white flowers and bearing gourds of the most interesting forms and colors. Finest Mixed, Pkt. 5c; oz. 25c



Gallardia.

Aberdeen, Wash.

Routledge Seed & Floral Co.

Gentlemen: The trees ordered by me some time ago arrived safely, and are fine plants. Yours truly, J. C. SMITH.

FLOWERING PLANTS.—We have thousands of hardy Flowering Plants and Bulbs during April and May. See pages 47 to 60.

For quick results
buy our large
field grown
clumps of
Perennial
Plants,
Pages 58-59-60.



Double Hollyhock

HOLLYHOCKS

One of the showiest of hardy garden plants; no grandmother's garden was complete without these stately flowers; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. (See cut.)

Allegheny.—Semi-double; mammoth flowers, having the edges of the petals finely fringed and lacinated; will bloom the first year if sown early; choicest mixed colors. Pkt. 10c; 1/4-oz. 25c

Double German Ever-Blooming.—Will bloom the first year from seed, if sown early. Pkt. 10c; 1/4-oz. 35c

New Annual Ever-Blooming.—This is one of the best introductions of late years. Seeds sown in the house in March will produce flowers in July on plants 4 feet high. The plants do not attain their perfection until their second year, when they grow 7 to 10 feet high, and flower continuously from June till frost.

Single Mixed. Pkt. 10c; **Doubles Mixed.** Pkt. 15c
Chater's Improved.—Our strain of this is the best that can be produced; seeds saved from the most double flowers. White, pink, crimson, lilac or mixed. Pkt. 10c; 1/4 oz. 35c

HYACINTH BEAN

See Dolichos, page 37.

HUNNEMANNIA

Fumariaefolia.—(Giant Yellow Tulip Poppy). Should be treated as an annual. Sow seeds out-of-doors in May and flowers will appear in August and flower continuously until frost. Foliage fern-like. Plants attain a height of 2 feet. Flowers are tulip-shaped, pure golden yellow. Very showy and when cut and put in water they will last a full week. One of the most valuable garden plants we know of. Pkt. 10c; 1/4 oz. 25c

IPOMOEA—Moonflower

Grandiflora Alba.—Large, heart-shaped leaves, and large, pure white flowers, which open only late in the evening. 10 feet. Pkt. 10c

Ipomoea Purpurea. See Morning Glory, page 40.

IBERIS

See Candytuft. Page 36.

LARKSPUR

These are splendid, hardy annuals, which, when sown in clumps in front of shrubbery, make a pleasing effect, and the slender flower stalks, when cut, are most desirable for vases. July to October.

Double Dwarf Mixed.—A very compact growing bush, throwing up many splendid spikes of flowers in all colors. Pkt. 10c; 1/4-oz. 25c

Tall Emperor, Azure Blue.—Tall spikes of exquisite double flowers in unlimited quantity; 3 feet. Pkt. 5c; 1/4-oz. 25c

Giant Hyacinth Flowered.—Tall mixed. Double. Pkt. 5c; 1/4-oz. 25c

See Delphinium for Perennial Larkspur, page 37.

LATHYRUS LATIFOLIUS—

Perennial Pea

Free flowering, hardy perennial climbers, bearing beautiful pea-shaped flowers.

White or Pink. Pkt. 10c; 1/2-oz. 50c

Mixed. Pkt. 5c; oz. 50c

LOBELIA

Dwarf, compact plants with delicate, graceful foliage and pretty star-like flowers; fine for baskets, pot culture or edgings; 4 to 6 inches. (See cut.)

Barnard's Perpetual.—Deep blue with white eye; very fine. Pkt. 10c; 1-16-oz. 25c

Hamburgia.—New, sky blue, white eye; growing rapidly; long, drooping flower stalk; excellent for hanging basket. Pkt. 20c; 1-16-oz. \$1.00

Crystal Palace Compacta.—Hardy annual, 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. Pkt. 10c; 1/4-oz. 50c

Erinus Gracilis.—A trailing annual, with deep blue flowers; excellent for vases, hanging baskets and window boxes, 6 inches. Pkt. 5c; 1/2-oz. 25c

Compacta White Lady. Pkt. 5c

Cardinalis (Cardinal Flower).—Hardy perennial; deep cardinal red flowers; thrives well in wet places. August and September; 3 feet. Pkt. 15c



Lobelia.

KUDZU VINE

Puraria Thunbergiana.—Tender perennial climber from Japan, growing 30 to 50 feet in a single season. Pkt. 10c

For quick results, buy 3-year-old roots. See Climbing Vines, page 87.

MARIGOLD—Tagetes

Widely grown, hardy annuals, invaluable for bedding and producing an elegant display of yellow, orange and brown flowers from early summer till frost.

Mammoth African, Finest Mixed.—Very large and double, in finest variety; 3 feet. Pkt. 5c; 1/4-oz. 20c

Tall Double French, Finest Mixed. Pkt. 5c; 1/4-oz. 20c

Dwarf Double French, Finest Mixed. Pkt. 5c; 1/4-oz. 20c

MARVEL OF PERU—Four o'Clock

Old-fashioned, hardy annual. Flowering from July to October, in very brilliant colors. 3 feet. Pkt. 5c oz. 15c

Finest Mixed.

MIMULUS—Muskplant

Moschatus.—A tender, trailing plant, with small yellow flowers, giving forth a musk-like fragrance; 6 inches. Pkt. 10c

Nasturtium.
Flower.
Leaf.
Bud.



For Annual
and
Perennial
Flowering
Plants, see
pages 58 to 61.

MORNING GLORY—*Ipomoea Pururea*

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

Convolvulus Major.—Tall, choice, single mixed; all colors. Pkt. 5c; oz. 15c

NASTURTIUM

One of the best-known and popular annual climbers. Flowers are borne in great profusion the whole season, lasting until frosty weather. The Nasturtium has been greatly improved in the past few years in size as well as in colors and markings. We offer only the finest strains, producing the largest and richest flowers.

Lobb. Tall or Climbing.

Asa Gray.—Yellowish white; very fine.
Black Prince.—New; very dark.
Crown Prince.—Rich blood red.
Golden Queen.—Very fine yellow.
Margaret.—Yellow, spotted red and yellow.
Primrose.—Cream, brown spots.
Regina.—New salmon shade.
Spitfire.—Bright scarlet.

Price.—Above varieties, all 5c Pkt., 25c oz.; 1 packet each, 8 varieties, 30c.

Dwarf or Tom Thumb

Aurora.—Terra cotta; very fine.
Beauty.—Yellow and scarlet.
Empress.—Deep crimson; extra.
Golden King.—Fine yellow.
Regelianum.—Purplish violet.
Vesuvius.—New salmon red.

All Dwarf varieties 5c pkt., 25c oz.

Special—1 packet each, 6 kinds, 25c.

Choice Dwarf Mixed.

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

PRIZE MIXTURE.—This is undoubtedly the finest mixture of tall Nasturtiums offered anywhere. Every shade is grown separately, and then mixed.

Pkt. 10c; oz. 20c; ¼-lb. 50c; lb. \$1.50

Choice Mixed.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 75c

Ivy-Leaved, Finest Mixed.—The ivy leaves, borne on very slender stems, are of a dark metallic color, which forms a striking contrast to the crimson scarlet flowers. An excellent variety for vases, hanging baskets, etc.

Pkt. 10c; oz. 25c

MIGNONETTE—*Reseda*

A universal favorite; very fragrant; no home garden is complete without Mignonette. It needs a cool soil, only moderately rich; grows 1 to 2 feet high, and is treated as a half-hardy annual. Sown from April to early in July. (See cut.)

Grandiflora.—Large-flowering; sweet.

Pkt. 5c; oz. 20

Defiance.—Giant spikes; flowers abundant and very fragrant.

Pkt. 10c; oz. 50c

Machet.—Excellent for pots; very select strain; red flowers.

Pkt. 10c; ¼-oz. 25c

White Pearl.—New; the best white flower; very attractive.

Pkt. 15c; ¼-oz. 75c

Grandiflora, Mixed.

Pkt. 5c; oz. 15c

MYOSOTIS—Forget-Me-Not

Half-hardy perennials, producing little blue, star-like flowers profusely in early spring. Flowers first season if started early.

Finest Mixed.—Six inches.

Pkt. 5c

Disitiflora.—Rich blue; flowers very early; one of the best; 6 inches.

Pkt. 20c

Palustris Semperflorens.—Perennial; splendid bright blue variety; blooms from early spring until autumn.

Pkt. 10c

Alpestris Victoria.—Of bushy habit; bearing large double bright blue flowers; very fine; 6 inches.

Pkt. 15c

Alpestris Indigo Blue.—New, very fine.

Pkt. 10c

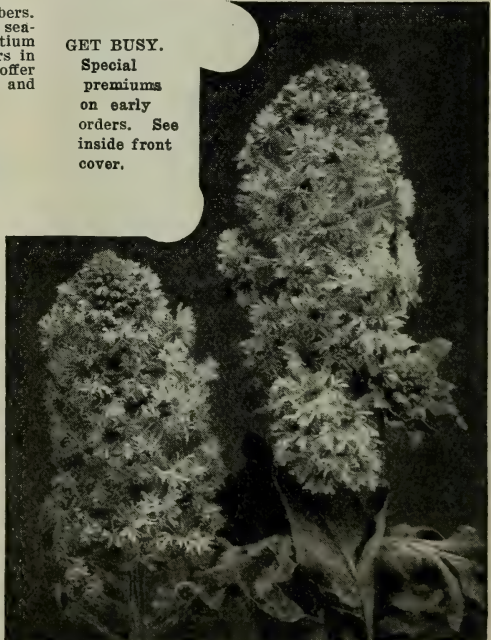
Convolvulus Minor.—Dwarf mixed. Pkt. 5c; oz. 15c

Imperial Japanese Fringed.—These have very large, fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage. Mixed. Pkt. 10c; oz. 25c

Japanese Double Mixed.—This double Japanese sort is very fine in leaf, flower and growth. Pkt. 15c

GET BUSY.

Special
premiums
on early
orders. See
inside front
cover.



Mignonette.

Take Note of the Collection of New Sweet Peas We Offer—Pages 44-45-46.
Cut Flowers, Bouquets, etc., see inside front cover for prices, etc.



Pansies.

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. The strains we offer are the very choicest obtainable.

SINGLE PETUNIAS

Prize Mixture.—Magnificent, large, exquisitely fringed and blotched flowers. Vary in color from pure white to dark purple, and are often over 4 inches across. 1½ feet.

Finest Mixed, Pkt. 25c

Ruffled Giants.—Enormous flowers, having edges of petals beautifully ruffled and fluted. Of great variety of colors, many being beautifully veined.

Pkt. 25c

Large-Flowered, Finest Mixed.—Fine, large flowers in superb mixture.

Pkt. 10c; ½-oz. 75c

Fine Mixed.—An assortment of medium-sized flowers; fine for bedding.

Pkt. 5c; ½-oz. 35c

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.—An exceptionally fine strain; remarkable for the large, beautifully colored double flowers in finest mixture.

Pkt. 50c

Giant Double Mixed.—Fringed, unsurpassed.

Pkt. 50c

Choice Double Mixed.—Good assortment of all double kinds.

Pkt. 25c

PANSY—Viola

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 autumn blooming. The proper method, though, is to sow in July or August, and protect the plants during the winter, when they will flower continuously that spring and summer.

Our Pansies are renowned for size, quality and color.

EXHIBITION PRIZE MIXTURE.

For variety of markings, beauty of form, large size, splendid texture, this superb strain cannot be excelled.

Pkt. 25c; ½-oz. \$1.00

Bugnot's Large Blotched.—A magnificent strain; very large flowers; great diversity of colors.

Pkt. 25c; ½-oz. \$1.00

Cassier's Giant, Finest Mixed.—Strong-growing strain, producing rich and varied colored flowers of large size.

Pkt. 25c; ½-oz. 75c

English Show Strain.—A splendid strain, valued for the texture and varied markings of the flowers.

Pkt. 15c; ¼-oz. \$1.50

Choice Mixed.—A fine bedding strain.

Pkt. 5c; ¼-oz. 50c

Giant Trimardeau.—The most popular strain for this locality, and deservedly so, on account of the strong, sturdy plants and the enormous flowers of the greatest variety of colors.

Finest Mixed, Pkt. 10c; ¼-oz. 50c

Masterpiece.—Elegant ruffled petals of various colors.

Pkt. 25c; Trade Pkt. \$1.00

Giant Flowering Varieties

Adonis.—Light blue; beautiful. Pkt. 10c

Bridesmaid.—New shades of white and shining rose; beautifully blotched. Pkt. 25c

Freva.—Extra fine; silver edge. Pkt. 20c

Golden Queen.—Pure yellow. Pkt. 15c

King of Blacks.—Best black. Pkt. 10c

Lord Beaconsfield.—Very beautiful. Pkt. 10c

Ruby King.—Superb red shades. Pkt. 20c

Snowflake (Candidissima).—Pure white. Pkt. 15c

Sunlight.—New Yellow, orchid-flowered. Pkt. 25c

Purple-Eyed White.—Very beautiful. Pkt. 10c

Black-Eyed Yellow.—Very fine and effective. Pkt. 15c

OUR MOTTO

QUALITY FIRST, PRICE AS LOW AS WE CAN MAKE IT.



Petunia—Ruffled Giant.

PHLOX

Drummondii.—These varieties are the largest flowering of the annual phloxes. They are the very finest strains that can be selected, and should be grown in every one's garden. 1 foot. (See cut.)

Alba.—Pure white, beautiful. Pkt. 10c
Coccinea.—Scarlet. Pkt. 10c

Leopoldi.—Rose, white eye. Pkt. 10c

Grandiflora Mixed. Pkt. 10c; ½-oz. 50c

Hardy (Decusata).—These rank among the finest herbaceous perennials for beds and borders; mixture of the finest colors; 3 feet. (See plants, page 60.) Pkt. 10c; ¼-oz. 35c



Phlox.



Portulaca.

PINK

See Dianthus, page 37.

PORTULACA

One of the freest-flowering dwarf annuals, especially adapted for sunny locations. Flowers of the most brilliant colors; 6 inches. (See cut.)

Single, Finest Mixed. Pkt. 5c

Double, Finest Mixed. Pkt. 10c

POPPY—Papaver

Probably no class of plants enjoys greater popularity and is more widely grown than the Poppy.

Annual Superb Mixture.—A superior strain, containing the choicest of single and double varieties in all of the brightest colors. Pkt. 10c; oz. 35c

Shirley.—The range of color, extending from white through delicate shades of pink, rose and carmine, to deepest crimson; fine for cutting. Annual, Pkt. 10c; oz. 50c

Island, or Nudicaule.—These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks, about 12 inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion, and most useful for cutting; hardy perennial. (See cut.) Mixed, Pkt. 10c; ½-oz. 50c

Oriente Brilliant.—This is the most gorgeous perennial Poppy, flowering in June and July, with enormous vivid scarlet blossoms, often measuring 6 to 7 inches across. Pkt. 10c; ¼-oz. 50c

Perennial Mixed. Pkt. 10c; ½-oz. 50c

California Poppy.—See Eschscholtzia.

Giant Yellow Tulip Poppy.—Very fine. See Hunemannia, page 39.

PRIMULA—Primrose

The first two varieties named below are hardy early blooming garden plants, and the others beautiful winter blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a sandy loam and leaf mold.

Polyanthus.—Early blooming, dwarf growing plants, valuable for outdoor bedding. Mixed colors. Pkt. 25c

Vulgaris.—Yellow, common; English Primrose; hardy garden variety. Pkt. 25c

Obconica Grandiflora Hybrids.—A lovely, profuse bloomer, bearing beautiful clusters of single flowers. Pkt. 15c

Obconica G. Gigantia.—New giant, distinct, very beautiful. Pkt. 25c

Sinisens, or Chinese Primrose.—The beautiful, large, fringed flowers stand in pyramids, arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. We supply the finest strains for florists.

Finest Mixed. Pkt. 25c

Double Finest Mixed. Pkt. 50c



Oriente Poppy.

PYRETHRUM—Golden Feather

Aureum.—Half-hardy perennials, grown as annuals. Valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants; 6 inches. Pkt. 5c

RICINUS—Castor Oil Bean

A magnificent and highly ornamental genus, with picturesque foliage and stately growth, combined with brilliant colored fruit of the giant varieties. Grown as single specimens on lawns and pleasure grounds, they form a striking feature. Hardy annuals.

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

Zanzibarensis, Mixed.—Very ornamental; dark bronzy green and red leaves. 8 to 10 feet high. Pkt. 5c oz. 20c

Borboniensis Arboreus.—Dark green leaves; 10 feet. Pkt. 5c oz. 20c

Sanguineus Tricolor.—Blood red stems, deep green leaves, with red veins; 6 feet. Pkt. 5c; oz. 20c

Gibsoni.—New dark red foliage; 5 feet. Pkt. 10c; oz. 25c

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 58-59-60.

For Flowering Plants, etc.,

see pages 47 to 59.



Verbena.



Violet.



Stocks.

SALPIGLOSSIS

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals. *Grandiflora Mixed*.—Large-flowering. Pkt. 10c

SALVIA—Scarlet Sage

This popular bedding plant produces a blaze of brilliant scarlet flowers in the garden during the late summer and fall. Seed should be started in the house during March; 3 feet. *Splendens Compacta*.—A splendid semi-dwarf variety, with large spikes of rich scarlet flowers. Pkt. 10c; ¼-oz. \$1.00

Zurich.—New dwarf, of special merit; fine flowers, and starts to bloom early. Pkt. 25c; Trade Pkt. \$1.00

Fireball.—The earliest semi-dwarf salvia; extremely floriferous. Pkt. 10c; ¼-oz. 75c

SCHIZANTHUS

Beautiful garden annuals; flowers charmingly fringed and delicately colored; 1 to 2 feet. *Grandiflora Mixed*. Pkt. 10c

SCABIOSA—Morning Bride

Elegant, hardy annual. Fine for cutting and bedding; flowers quite large and very showy, blooming freely during summer and autumn. *Finest Mixed*. Pkt. 5c; ½-oz. 30c
White.—Large flowers. Pkt. 10c; ½-oz. 35c

SHAMROCK—True Irish

This is the genuine Shamrock, and is gathered by a connoisseur on the native land. Pkt. 25c

SNAPDRAGON

See Antirrhinum, page 33.

STOCK—Gilliflower

By far one of the most popular annuals for garden or greenhouse culture. They are superb for cutting, and are of great value to florists for bouquet work. Flowers are of delicious fragrance, large, double, and borne on handsome spikes. (See cut.) *Large-Flowered Ten Weeks*.—A splendid double-flowered strain, especially adapted for bedding and pot culture; pyramidal spikes of brilliantly colored flowers; 1 foot. *Finest Mixed*, Pkt. 10c; ¼-oz. 75c

Giant Perfection.—This is our own strain, grown especially for us in Europe, where the greatest possible care is taken in the selection of good seed. Of branching habit, giant growth and 85 to 90 per cent of large, double flowers. Fine for cutting. White, Light Blue, Crimson, Dark Blue, Pink, Rose or *Finest Mixed*. Pkt. 10c; ½-oz. \$1.00

Princess Alice (Cut and Come Again).—Perpetual blooming; throws out numerous side branches, all bearing clusters of double white, fragrant blooms; fine for cutting; 2 feet. Pkt. 15c; ½-oz. \$1.00

Beauty of Nice.—24 inches; a handsome, new winter stock of quick growth; flowers of large size. Seedlings will bloom in 10 weeks. Pink or White, Pkt. 15c

Queen Alexandra.—Delicate rosy lilac. Pkt. 25c
Crimson King.—New. Pkt. 25c

SUNFLOWER

See Helianthus, page 38.

SWEET ROCKET

See Hesperis, page 38.

SWEET SULTAN

See Centaurea Moschata, page 36.

SWEET WILLIAM

Hardy biennial, widely grown for the handsome, showy heads of brilliant flowers from June to September; 1½ feet. *Single Mixed Varieties*. Pkt. 5c; ¼-oz. 15c
Double Finest Mixed. Pkt. 10c; ¼-oz. 50c

THUNBERGIA

Alata.—Extremely pretty yellow flowers with dark eye; rapid-growing annual climber; used largely for vases, window boxes, etc. Will flower all summer till frost; 5 feet. Pkt. 10c
Alba.—Pure white, with black eye. 5 feet. Pkt. 10c

Aurantiaea.—Orange, black eye. Pkt. 10c
Finest Mixed. Pkt. 10c

VERBENA

One of our most valuable bedding plants, and worthy of greater cultivation. They are half-hardy perennials, but are generally grown as annuals. (See cut.)

Mammoth Strain.—This is without doubt the finest strain in existence. White, Scarlet, Rose, Purple, Striped or *Finest Mixed*. Pkt. 10c; ¼-oz. \$1.00
Fine Mixed. Pkt. 5c; ¼-oz. 30c

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. (See cut.)

Odorata Blue.—Very fragrant. Pkt. 25c
Odorata White.—Very fragrant. Pkt. 15c

WALLFLOWER

Very highly prized, old-fashioned plants, grown largely for their fragrance; half-hardy perennial varieties; 1½ feet.

Single Finest Mixed. Pkt. 5c; ¼-oz. 15c
Double Tall Branching, Finest Mixed.—Fragrant; 3 feet. Pkt. 10c; ¼-oz. 25c

WILD CUCUMBER

See Echinocystis, page 33.

ZINNIA

Few of our hardy annuals are more effective in the border than Zinnias. They are very easily grown and bloom continuously from June till frost.

Tall Giant, Double Mixed.—Elegant strain, comprising all the choicest colors and producing very large, double flowers; 2½ feet. Pkt. 5c; ¼-oz. 20c

Dwarf Double Mixed.—Fine for edgings, growing 1½ feet high, and producing very large, double flowers. Pkt. 5c; ¼-oz. 20c

Routledge's "Highest Quality" Seeds Cost More and Are WORTH MORE.

"... seeds are, after all, the least expensive article in making the garden. Always buy the best seed that the trade offers. Low-priced seeds will give low quality crops."

SWEET PEAS

Undoubtedly the most popular flower to date, and it is not to be wondered at, for there is no flower that will give such a profusion of fine blooms for cutting with as little care. We offer you a list of the latest and best varieties, including the new novelties of 1910-11. No seed company in the world offers finer Sweet Pea Seed than we. The new orchid-flowered or Spencer types are the latest, and well worth the higher price asked. Those who have tried the true "new Spencers" will never be satisfied again with the old types.

WILGROW— For Sweet Peas

This fertilizer will grow strong, healthy vines, keep away cutworms, produce flower stems 12 to 18 inches in length, if you water the plant well. A 25c package for 100-foot row.



New
Spencer
Type.

THE NEW GIGANTIC SPENCER TYPES

The flowers come three and four on stems 12 to 15 inches long, and are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved; the tissue being so full that there is not room for it to lie flatly expanded or smoothly rolled. The standard is broad and tall; the wings are broad, well spread and held erect by the keel. By reason of its "sportive character" it has required years of labor to perfect the original "Countess"—but this same tendency "to break" has resulted in giving us a number of colors which already come reasonably true from seed, and which will delight every lover of Sweet Peas who can afford to buy them. While most profuse in flowering, they are very shy seeders, and the true "Spencer" type can never be produced cheaply.

1911 Incomparable Col- lection.

One packet each (12 kinds) only \$1.00
This is really an incomparable collection of 12 distinct shades.

White—

ETTA DYKE.—A chaste and lovely Sweet Pea, of the largest and most exquisitely formed pure white Spencer type. Standard and wings are of the largest size and beautifully waved, and the color absolutely pure.

Pkt. 15c; ½-oz. 35c

Pink—

FLORENCE MORSE SPENCER.—Delicate blush with pink margin; a charmingly, beautiful flower of very large size.

Pkt. 10c; ½-oz. 25c

Cream—

DORA BREADMORE.—An English introduction of exquisite beauty. Rich, cream, shading to yellow, edged terra cotta pink; very large wavy flowers.

Pkt. 10c; oz. 25c

Yellow—

CLARA CURTIS.—The best true yellow; an improvement on Primrose Spencer in color and size.

Pkt. 10c; ½-oz. 25c

Lavender—

ASTA OHN SPENCER.—Color a beautiful lavender, suffused or tinted with mauve; large, wavy standard and wings, and comes uniformly four blossoms to the stem.

Pkt. 10c; ½-oz. 20c

Blue—

CAPTAIN OF THE BLUES, SPENCER.—Standard, clear purple, wings blue; a bright striking color, and decidedly new in this type.

Pkt. 10c; oz. 35c

Red, Dark—

OTHELLO SPENCER.—Of the true Spencer type. The stems are thick and long, and carry well either three or four fine blooms of a rich deep maroon. It is a strong grower and the intensely dark-colored flowers contrast well with the lighter shades already introduced.

Pkt. 15c; ½-oz. 25c

Scarlet—

KING EDWARD SPENCER.—Spencer form of the bright crimson scarlet of the famous Sweet Pea, King Edward VII. A grand flower.

Pkt. 10c; ½-oz. 30c

Salmon—

ST. GEORGE.—An English introduction; vigorous grower and wonderfully profuse in flowering. The magnificent, large flowers are wavy and fluted. The most beautiful and brilliant of the rich orange shades.

Pkt. 10c; oz. 30c

Striped Pink—

GAILETY SPENCER.—A beautiful silvery white, striped and flaked bright pink; large wavy flowers.

Pkt. 15c; ½-oz. 35c

Striped Heliotrope—

THE MARQUIS.—This is a fascinating flower of the true wavy "Spencer" type. It is a new shade. The general tone of the flower is rosy heliotrope, of vigorous growth, and free bloomer.

Pkt. 10c; oz. 35c

Striped Lavender—

PRINCE OLAF.—The bold, effective flowers are striped and mottled bright blue on white ground; of good size, the large, beautiful flowers are borne frequently four to the stem. It is a very profuse bloomer.

Pkt. 10c; oz. 20c

R. R.'S SUPERB MIXTURE NEW GIANT SWEET PEAS

This is our own special mixture and is composed of the best giant orchid-flowered Spencer types, also contain some new seedlings that have not as yet been named. For healthy, robust growth, wealth of blooms, size of flowers and exquisite and rare colorings, this mixture is unequalled.

Put up and for sale in sealed packets only, ½-oz. pkts. 15c; oz. pkts. 25c each; 3 for 65c; 5 for \$1.00

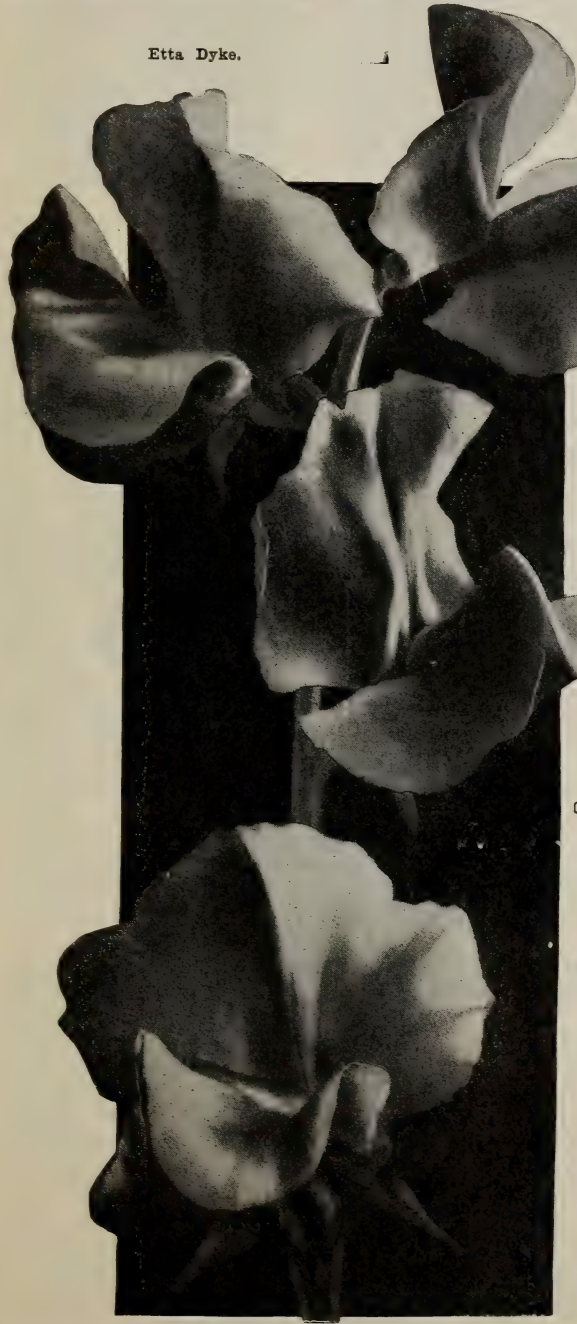
The quality of our Sweet Peas is unsurpassed. See next page for 1911 novelties.

SWEET PEAS—Continued.

Latest and "Best" American and English Novelties.

When we say "best" we mean it, for we know. Instead of taking the fascinating descriptions written by the foreign and American catalog writers, we give you short but most reliable descriptions taken from "field notes" written by our expert grower. We believe the person who spends weeks in the field comparing varieties, is best qualified to select the best shades and type of flowers under each color. We offer you below our grower's (the largest in the world) selection for 1911. You can depend on these grand new varieties producing the most beautiful, wavy "Spencer type" flowers of giant size and exquisite shades.

Etta Dyke.



White.

PARADISE IVORY.—This superb new introduction is of special merit. Extra large and finest form; a beautiful, wavy white, showing just a tinge of bluish.
Pkt. 25c; 1/2-oz. 50c

Etta Dyke.—See preceding page.

White—Scarlet Edge.

E. J. DEAL.—A new English variety, very fancy and a real novelty. White edged scarlet. Sealed packets only.
Pkt. 25c; 3 for 60c

Sutton's Queen.—A new and distinct shade of salmon pink; grand flowers of special merit.
Pkt. 20c; 1/2-oz. 35c

Pink.

CONSTANCE OLLIVER.—Light pink, extra fine in color, size and type of flower.
Pkt. 25c; 1/2-oz. 75c

MRS. HENRY BELL.—A true pink, magnificent in every respect.
Pkt. 25c; 1/2-oz. 65c

USE WILGROW

On your Sweet Pea. See page 89.

MRS. A. IRELAND.—The form is most beautiful; petals waved and crinkled; distinct serrations on edges of standard. The extra large, long-stemmed pink flowers are most attractive.
Pkt. 15c; 1/2-oz. 50c

Cream.

EVELYN HEMUS.—Creamy yellow, with a pink edge. A most exquisite flower and very distinct. Pkt. 15c; 1/2-oz. 35c

CLARA CURTIS.—See preceding page.

Lavender.

FLORENCE NIGHTINGALE.—1911.—The "best" pure lavender Spencer yet introduced; comes true from seed; mammoth flowers on long stems; very free flowering. Sealed Pkts. only (20 seeds) 25c

ASTA OHN.—See preceding page.

Blue.

MRS. WALTER WRIGHT SPENCER.—Best blue shade; a magnificent flower.
Pkt. 15c; 1/2-oz. 35c

Red.

PRINCE OF ASTURIAS.—A grand, extra large flower of excellent form; deep dark red; very rich; a profuse bloomer.
Pkt. 25c; 1/2-oz. 50c

Scarlet.

THE KING.—The "best" extra large scarlet. An improvement over any other scarlet Spencer type to date. Try it. Sealed pkts. only. 25c each; 3 for 60c

Striped.

RAMONA SPENCER.—Very attractive. clear white, with soft, delicate lines and flakes of bluish pink. Pkt. 15c; 1/2-oz. 35c

AMERICA SPENCER.—A true giant Spencer, ground color, silvery white, distinctly striped crimson red, free flowering and very brilliant.
Pkt. 25c; 1/2-oz. 75c

When it comes to cheap seeds, we are not in it (we don't want to be); but when you want "quality," something better, that's where we win out.

Try us

Popular and Best Standard Sweet Peas

Aside from the preceding varieties, these are the "cream" of over 100 named varieties

Prices: (unless otherwise priced), Pkt. 5c, 6 for 25c; oz. 10c; ¼-lb. 25c; lb. 60c.

WHITE.

Burpee's White Spencer.—A pure white, of enormous size and splendid substance; long, strong stems.

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

Dorothy Eckford.—A good white of the largest and best type. A very hardy and free bloomer.

Nora Unwin.—Pure white and giant in size; exquisitely crinkled, wavy petals, four or more flowers to the stem.

Pkt. 10c; oz. 15c; 4-oz. 40c

CREAM OR LIGHT YELLOW.

Hon. Mrs. E. Kenyon.—A fine, large, clear primrose. Mrs. Collier.—A rich primrose tint, entirely free from any trace of pink.

Primrose Spencer.—A pronounced primrose or creamy yellow.

Pkt. 10c; oz. 25c; ¼-lb. 75c

LIGHT PINK.

Countess Spencer.—The first Spencer introduced. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused and tinted with soft shell pink, deeper at the outer edges. True seed.

Pkt. 10c; oz. 25c; ¼-lb. 75c

Gladys Unwin.—Self-colored, clear, bright, light pink, profuse bloomer.

Pkt. 10c; oz. 15c; 4-oz. 40c

Lovely.—Beautiful shades of soft shell pink, changing to very light rose at the outer edges.

Mrs. Alfred Watkins.—Most delicate pink, shading to blush at edges. One of the finest varieties of this new type. A bouquet of this color is simply gorgeous. Four flowers to a stem.

Pkt. 10c; oz. 15c; 4-oz. 40c

SHADES OF PINK.

Janet Scott.—Clear pink at the base and shading to buff at the edges.

Paradise.—A most charming flower; a fresh, delicate pink, with edges of a deeper shade of pink. Four giant flowers on a stout, long stem.

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

SHADES OF ROSE.

Geo. Herbert.—A really splendid variety of great substance and huge size. The color is most charming, the standards being rose, with deep scarlet wings.

Pkt. 10c; oz. 20c; 4-oz. 50c

John Ingman.—Waved. The beautifully fluted flowers of gigantic size are a rich carmine-rose in the standard, with wings of a deep rosy pink. The flowers frequently measure two inches across, and come generally four to a spray, borne upon long, stiff stems. A magnificent variety.

Pkt. 10c; oz. 25c; 4-oz. 60c

Phyllis Unwin.—Light rose, with large, wavy petaled flowers. A very effective shade.

BRIGHT RED-SCARLET.

Queen Alexandra.—Intense scarlet; a bold, expanded flower of finest form.

King Edward VII ("The Modern Firefly").—Large flowers of open form, bright crimson-scarlet. The stems are long and invariably carry three fine flowers.

ROSE CITY MIXTURE OF SWEET PEAS

Extraordinary care has been taken in the selection of the varieties and the quantities of each to make up the mixture, and the result is one that cannot fail to excite the admiration of even the most critical. Only the latest and best varieties representing the ideal type of flower, stem and color have been selected, and they are mixed in such proportions as to give a perfect blend of color. Large Pkt. 10c; oz. 15c; ¼-lb. 30c; lb. 75c

Mixed, All Colors

Choice Mixed.—Containing not only the best standard grandiflora varieties of both, but also many of the choicest varieties of recent introductions.

Large pkts. 5c; oz. 10c; 2-oz. 15c; ¼-lb. 20c; lb. 60c

Double Mixed

These generally bloom about 50 per cent double flowers. Pkt. 10c; oz. 20c

SHADES OF ORANGE.

Henry Eckford.—The flowers are self-colored, in a bright, soft flaming orange, deepening slightly in the center. To secure the finest color effect the flowers should be cut as soon as opened, and allowed to develop in water in a cool room, as they will fade under the hot sunshine.

Helen Lewis.—The orange-red wings roll and fold; the standard is reflexed, showing the distinctly fluted effect, and is of an intense rich crimson-orange. The blooms are truly of a gigantic size.

Pkt. 10c; oz. 20c; 4-oz. 50

Miss Willmott.—A bright orange-pink, showing veins of a deeper tint.

PINK AND WHITE.

Extra Early Blanche Ferry.—Bright rose standard with white wings.

Burpee's Earliest of All.—Earlier than above. Profuse bloomer; standard bright rosy pink; wings creamy white, suffused light rose.

BLUE AND WHITE.

Phenomenal.—The flowers are silvery white, faintly suffused with soft pink and beautifully edged with rich purple, after the style of Lottie Eckford and Maid of Honor, but much larger.

Oz. 15c; 4-oz. 25c; lb. 75c

CLARET AND MAROON.

Horace Wright.—Standard dark bronzy claret, stiffly erect; wings dark, rich purple-violet.

Othello (Improved Black Knight).—Very dark maroon, shaded almost black.

STRIPED AND MOTTLED.

America.—Heavily striped with bright blood-red on silvery white ground.

Aurora.—Both standard and wings beautifully faked with bright orange-salmon on a creamy-white ground.

Helen Pierce.—Color pure white, peppered or mottled with bright blue, the veins showing a little deeper. The effect is very fine especially when bunched by itself.

Oz. 15c; 4-oz. 25c; lb. 75c

LAVENDER AND LIGHT BLUE.

Frank Dolby.—Pale blue, very large and handsome; four flowers to a stem; beautifully waved petals.

Pkt. 10c; oz. 20c; 4-oz. 60c

Lady Griseld Hamilton.—A grand, pale lavender.

PURPLE AND BLUE.

Countess of Cadogan (Improved Captain of the Blues).—Purple standards, with clear blue wings.

Lord Nelson (Brilliant Blue).—Very large, slightly hooded, of the richest dark navy blue; very desirable.

Romolo Piazzini.—Almost a true violet-blue self; the standard is only slightly hooded; flower of grand size and substance.

Cupid Sweet Peas

Compact dwarf plants, not over 6 or 7 inches high, covering a circumference of about 18 inches, hugging the ground like a Verbena. Flowers of good size and substance. For edgings, low beds and pot culture they are unique and pretty. White, pink, primrose, scarlet, lavender, or mixed.

Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.00

Our prices are not the cheapest, but our seeds are of the HIGHEST quality. THAT MAKES THEM CHEAPEST IN THE END. Invest a little extra at planting time and you will reap a great deal more harvest.

Pleased Customers Report as Follows:

Marcola, Or., March 28, 1910.

Routledge Seed & Floral Co.

Gentlemen: Your one-year-old Phenomenal Berry tips received, and they are great. Yours truly,

C. H. MARROW.

Chehalis, Wash., Feb. 11, 1910.

Routledge Seed Co.

Dear Sirs: I received my order of trees and find them very nice.

R. E. ROSS.

Victor, Mont., April 5, 1910.

Routledge Seed & Floral Co.

Gentlemen: Fruit trees and plants received. Inspector said "a fine lot and in good condition." I think so, too. I am more than pleased with them.

If I can say a good word for you to any one in the Bitter Root Valley, give me their address, and I will write them a personal letter. Yours truly,

N. WAKEMAN.

BEAUTIFUL, HARDY JAPAN LILIES.



Longiflorum.



Lilium Auratum (one-fifth natural size).



Lilium Tigrinum, Single.

These are the most fragrant, beautiful and stately of all flowers produced from bulbs; they require very little care. Do not disturb them oftener than every three to five years. Plant about six to twelve inches deep, according to size of bulb, and if the ground is not well drained, use plenty of sand around the bulb, and lay it on its side. Plant in clusters or groups of six or more for best effect. The *Harrissii* and *Longiflorum* Lilies force very easily. The *Speciosum* are, next to the *Auratums*, the most magnificent species for outdoor culture. They increase in size and beauty each year.

LILIUM CANDIDUM (9). 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; in the open ground in June. Should be planted in September.

Each, 20c; dozen, \$2.00; mammoth bulbs, 25c.

LILIUM HARRISSII (9). Known as the “Easter Lily.” The flowers are delightfully fragrant, pure waxy-white, trumpet-shaped, and of great substance.

Each, 25c; dozen, \$2.50.

LILIUM LONGIFLORUM (10-12). Very much like the *Lilium Harrissii*, but little later, and planted by the thousands by florists for Easter flowers; profuse bloomer. In the open ground they bloom in June and July.

Each, 15c; dozen, \$1.50; mammoth bulbs, 20c.

AURATUM (12). The handsomest and probably the most popular of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, shading its edges into white; very fragrant.

Each, 20c; doz., \$2.00; mammoth bulbs, 25c; doz., \$2.50.

AURATUM PICTUM. A most magnificent flower of same shape and color as *Aratum* above except that one-half of the gold band on each petal is a bright crimson; very rare and showy.

Each, 35c; doz., \$3.00.

AURATUM BUBRUM VITTATUM. Very large flowers, often one foot across, pure ivory-white, with broad crimson stripe through center of each petal.

Each, 75c; doz., \$7.00.

LILIUM SPECIOSUM. No words can overestimate the brilliant beauty of this charming variety. Its six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color, and exquisite fragrance make this one of the most effective and desirable of the lily family. They are profuse bloomers, and last for many days after being cut and put in water.

SPECIOSUM ALBUM (12). Pure white; flowers freely.

Each, 25c; dozen, \$2.50; mammoth bulbs, 30c; doz., \$3.00.

SPECIOSUM RUBRUM (12). White, with dark rose spots.

Each, 20c; doz., \$2.00; mammoth bulbs, 25c.

SPECIOSUM MAGNIFICUM. A new and rare variety; the finest of all the *Speciosums*; flowers very large, white, shaded rich blood crimson, heavily spotted; very rich and showy.

Each, 20c; doz., \$2.00; mammoth bulbs, 30c; doz., \$3.00.

BATEMANNI. A Japanese Lily, producing bright apricot-shaded flowers, 3 to 4 feet; July and August.

Each, 20c; doz., \$2.00.

RUBELLUM. Rather new. One of the best pink lilies; grows 2½ feet high, and usually bears from six to eight fine pink flowers in August.

Each, 25c; doz., \$2.50.

HENRYI. New; flowers dark reddish, yellow, marbled with a few irregular brown spots; very hardy; often six feet.

Each, 75c; doz., \$7.50.

CORDIFOLIUM. Leaves heart-shaped; flower pure white and trumpet-shaped; native of Northern Japan.

Each, 20c; dozen, \$2.00.

DAVURICUM (10-12). (*Umbellatum*). One of the best hardy garden lilies; strong, sturdy habit, growing from 2 to 3 feet high, having large, showy orange-red flowers, held upright in clusters at the summit; of easy culture, thriving under ordinary garden conditions; flowering in June and July.

Each, 25c; doz., \$2.50.

KRAMERI. One of the most lovely of all known lilies; slender, waving stems, about two feet high, with large flowers of a most beautiful rose color.

Each, 25c; doz., \$2.50.

LEICHTLINI. Flowers pure canary-yellow, with crimson spots; 3 to 5 feet; August.

Each, 50c; doz., \$5.00.

ELEGANS, ALICE WILSON. A very beautiful variety, with large, bright lemon-yellow flowers, borne erect and in clusters; will succeed anywhere and is very hardy.

Each, 75c; doz., \$7.50.

ELEGANS INCOMPARABLE. One of the richest and brightest red lilies; slightly spotted black.

Each, 20c; doz., \$2.00.

ELEGANS ATROSANGUINEUM. The erect, deep rich red flowers are beautiful, large size.

Each, 25c; doz., \$2.50.

NOTE.—On display at our salesroom we have colored plates of all our Lilies, which show you just the shape and colors.

LILIES—Continued.

ELEGANS SEMI-PLENO. The small, erect center petals are fringed and give the flower a semi-double appearance; outside petals red, center white; very showy. Each 30c; doz., \$3.00.

ELEGANS FLORA-PLENO. Flowers erect, full and double; orange red; very rare. Each, 75c; doz., \$7.50.

TIGRINUM FLORE PLENO (12). (Double Tiger Lily). A magnificent lily of stately habit, bearing immense clusters of large, double flowers; color bright orange, spotted with black. Each, 20c; doz., \$2.00.

TIGRINUM SPLENDENS (12) (Improved Single Tiger Lily). Large flowers of excellent form; color orange salmon, with dark spots; hardy and free bloomer. Each, 15c; doz., \$1.50; mammoth size, 20c; doz., \$2.00.

WASHINGTONIANUM (10) (Mt. Hood Lily). A beautiful lily, native of Oregon; flower of open

form; white, tinted with lilac; grows 3 to 5 feet high; very fragrant. Each, 20c; doz., \$2.00; mammoth bulbs, 25c each.

LILY OF THE VALLEY.

(Arrive about November 1st.)

One of the most charming spring flowering plants, producing in profusion its delicate bell-shaped, delightfully 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. Can be forced to bloom in four to six weeks from time of planting. Plant 6 pips to a 6-inch pot.

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. Ready from November to March.

Selected Pips, for forcing indoors or planting outside. Each 5c; dozen 40c; per 100 \$2.50

IRIS

Magnificent plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display, either in clumps or borders. They do best in rich, moist soils. Plant in the fall or early spring. English and Spanish ready in October. German and Japanese ready in December; native stock earlier.

ENGLISH IRIS—Anglica

Beautiful, attractive and worthy of a place in every garden. Their large, peculiarly shaped flowers remind one of the rare orchids. Set the bulbs in clumps three inches apart each way and three inches deep. Named varieties as follows: Each 5c; dozen 50c; 100 \$4.00.

Argus.—Pink and white.

Coleur Cardinal.—Dark velvety blue.

Mont Blanc.—Pure white.

Thackeray.—Rich claret color.

Washington.—Pale lavender, mottled blue.

Superfine Mixed. Each 5c; dozen 40c; 100 \$3.00

Gold Fish

We handle Gold Fish, Aquariums, Fish Globes, etc. Send for pamphlet.

SPANISH IRIS—Iris Hispanica

One of the most satisfactory varieties of Iris to grow, being very hardy and equally good for forcing indoors or garden culture. The flowers are of great beauty, having many different blendings of colors, and if cut when in the bud will last a long time in water. (See cut.)

Named varieties as follows: Each 5c; doz. 50c; 100 \$4.00

Belle Chinoise.—Deep golden; early.

British Queen.—Large, pure white; extra.

Chrysolora.—Bright yellow.

Helena.—Pale blue, shaded lilac.

Leonidas.—Dark violet blue.

Thunderbolt.—Velvety dark bronze; large flowers.

Superfine Mixed. Each 3c; doz. 25c; 100 \$1.25

GERMAN IRIS—Iris Germanica

These are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, and are remarkably rich and beautiful in color and graceful in form. Plants well established produce from 50 to 100 spikes of blooms, deliciously fragrant and fine for cutting. (See cut.)

Named varieties as follows: Each 15c; dozen, \$1.50.

Bouquet Royal.—Creamy white.

Empress Victori.—Pale blue standards, falls purplish blue.

Gloire de Hillegom.—Beautiful porcelain blue.

Honorable.—Standards golden, falls yellow-veined, brown.

Mad. Chereau.—White, elegantly frilled, azure blue at the edges.

Maori King.—Rich golden yellow standards, falls velvety crimson, margined gold.

Fine Mixed. Each, 10c; dozen, \$1.00

JAPAN IRIS—Kaempferi

The Japanese Iris is quite distinct from all others, and never fails to excite the admiration of all who see it. It is becoming more popular each year. The enormous flowers display a marvelous blending of rich and rare shades.

Blue, Lavender, Red, Yellow, White and Variegated, separate colors (shaded).

Separate Colors

Mixed, good assortment, all colors.

Each 20c; dozen \$2.00

Each 15c; dozen \$1.50

IRIS—

No. 1. Spanish

No. 2. German

No. 3. English

No. 4. Japanese



ROUTLEDGE'S SUPERB GLADIOLI BULBS

No member of the floral family has made more rapid strides in development than the Gladiolus. The wonderful, beautiful, and large-flowered varieties of today are not to be compared to the small, insignificant varieties of a few years ago.

GLORY—A new ruffled type.

A new 1911 novelty of great merit.

Has "distinctiveness" stamped all over it. It will not only revolutionize the family of garden Gladiolus, but will be one of the most important factors in commercial floriculture.

THE TYPE is distinctively new. Broad, expanded, wide, open flowers, paired by twos, face all the same direction and are carried on straight, stout stalks, never less than 3½ feet in height. From four to eight flowers are open at one time.

THE FORM.—Each petal is exquisitely ruffled and fluted at the edges, such as is only noticeable in orchids. It gives the flower a refined appearance, and it appeals instantly to the fancier.

THE COLOR.—Delicate cream pink, with a neat, attractive crimson stripe in the center of each lower petal. The shade of pink is unknown in Gladiolus. As a commercial color it is a winner, far outstripping the popular "America."

Each 25c; dozen \$2.50

GRAND PRIZE COLLECTION

1 bulb each (9) for \$1.25; 3 bulbs each, \$2.50.

Eight of the Newest and best introduction to date, all of the most pleasing colors.

AMERICA.—Without a rival. New and most desirable. A grand, large spike and flower; beautiful flesh color, almost white. Each 15c; dozen \$1.50

ATTRACTION.—Deep, dark, rich crimson with a large, pure white center. Very attractive. Each 15c; dozen \$1.50

Blanche.—Large flowers, pure snow-white, with but faint marks. Each 20c; dozen \$2.00

BLUE JAY (Baron Hulot).—The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. Each 20c; dozen \$2.00

BRENCHLEYENSIS.—Vermillion-scarlet; one of the most showy, satisfactory and cheapest. Each 6c; doz, 50c; 100 \$3.00

CONTRAST.—A beautiful spike of perfect form. Color intense scarlet, with a large, distinct pure-white center; one of the most striking and beautiful Gladiolus. Each 30c; doz, \$3.00

CARDINAL.—Perfect flower and spike, very large and the brightest, cleanest and most intense cardinal scarlet yet seen; very rich and showy. Each 15c; doz, \$1.50

MRS. FRANCIS KING.—One of the newer varieties of merit. Color of flower is a light scarlet of a pleasing shade, which attracts attention at once. Flowers are large and are borne on long spikes. Each 10c; dozen \$1.00

SULPHUR KING.—Beautiful, clean, sulphur yellow; finest and clearest of yellow sorts; without any doubt this is the very best yellow variety yet introduced. Each 30c; dozen \$3.00

SPECIAL MIXTURES

Very choice and true to color.

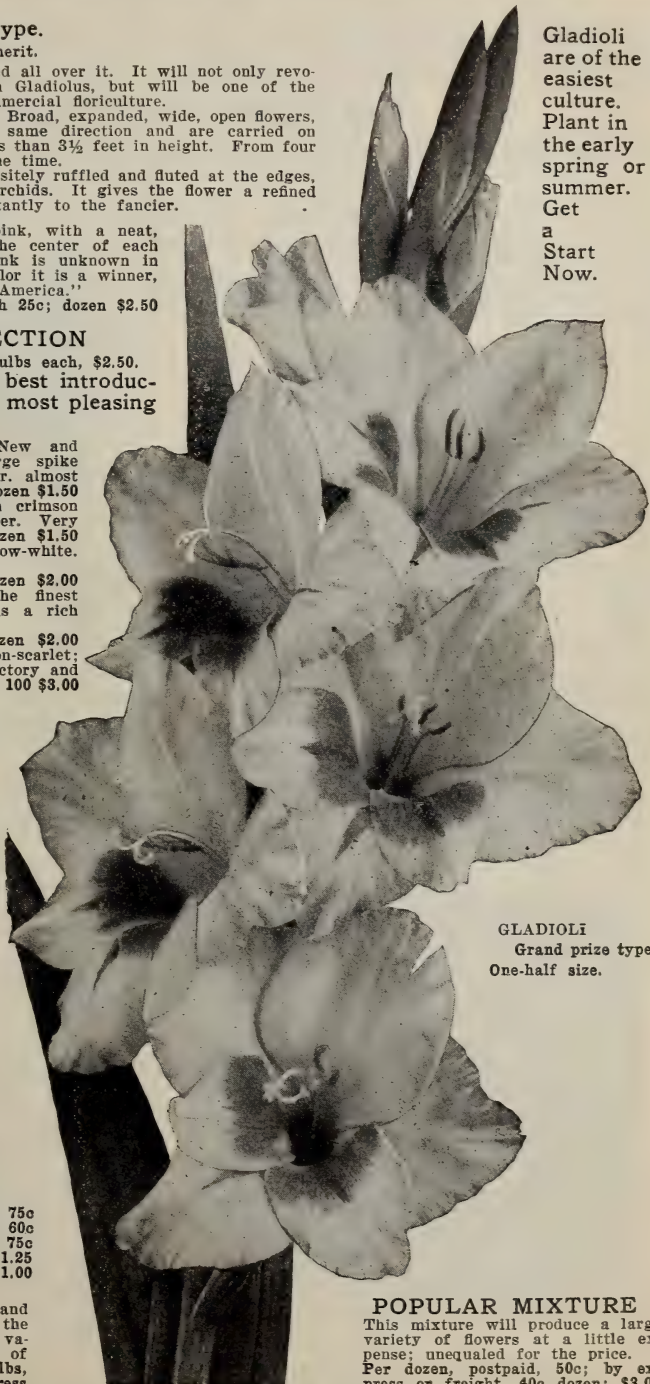
WHITE, LIGHT SHADES. Doz. 75c
SCARLET AND RED. Doz. 60c
PINK SHADES. Doz. 75c
YELLOW AND ORANGE. Doz. \$1.25
STRIPED, VARIEGATED. Doz. \$1.00

CHOICEST MIXED

A mixture of named varieties and of all sorts, giving in one bed the greatest range of colors and variations. A large per cent of Childs. Great value. Large bulbs, per dozen 75c, postpaid; by express or freight 65c dozen; \$5.00 per 100.

These new, large flowering Gladioli are simply grand. If you have not had an opportunity to see the new types, you cannot imagine how beautiful they are.

Gladioli are of the easiest culture. Plant in the early spring or summer. Get a Start Now.



GLADIOLI
 Grand prize type.
 One-half size.

POPULAR MIXTURE

This mixture will produce a large variety of flowers at a little expense; unequaled for the price. Per dozen, postpaid, 50c; by express or freight, 40c dozen; \$3.00 per 100.

ROUTLEDGE'S NEW AND POPULAR DAHLIAS

We are the largest growers of new and up-to-date Dahlias in the Northwest.

All Dahlia Bulbs delivered free anywhere in United States.

No doubt many of our local customers will remember the beautiful displays of cut flowers we made in this city and at the Gresham Fair last fall. Also our large growing exhibit at the Oregon State Fair at Salem where we had a most magnificent display which was made for the purpose of showing the new and up-to-date varieties and how easily they are grown out of doors.

We have all varieties shown and some new 1910 and 1911 novelties of special merit.

New Holland Peony Dahlias

We have the greatest confidence in this new, showy, free-blooming type, and predict for it a glorious future. Never have we grown or shown a new flower which was received with such instant favor by the public and so eagerly bought. This type seems to be a particular pet of the ladies. The plants are rather tall (4 to 5 feet).

GEISHA—Greatest Novelty.

See colored cut on our front cover which is only one-half the size of specimen flowers.

GEISHA—Has created a sensation at every display we have made. Its large, fantastic and beautiful flowers pleased all and it was included in nearly every collection of bulbs ordered.

GEISHA—which we offered last year for the first time came direct to us from Holland. It is the most remarkable and distinctive Dahlia ever grown, and while belonging to the "peony" section, is in a class of its own; the color is unique, entirely apart from other Dahlias, having a rich, bright golden yellow ground color near center; suffused and heavily marked with clear bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center, adds to the harmony of the color scheme which is the most striking and brilliant ever seen in a Dahlia. The immense flowers often attain a width of 10 to 12 inches, and the massive petals, more than in any other peony type, are twisted and curled in the most fantastic manner. Geisha is a sure grower and free bloomer even in the driest weather, but is a shy reproducer and very scarce. Order early. Each \$2.00

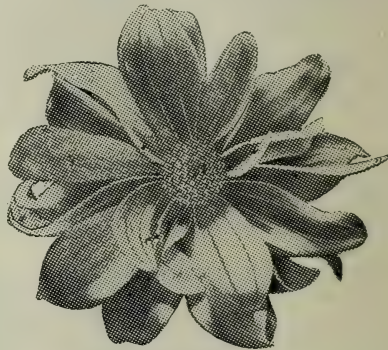
New Peony Flowered Novelties for 1911.

For those who wish to raise the very latest of the Holland novelties we offer in green plants only (stock very limited) the following five varieties, all of which have received **FIRST CLASS CERTIFICATES**.

ALICE ROOSEVELT.—Beautiful well formed flowers, color white shaded lilac. Each \$2.00

ANDREW CARNegie.—Color salmon-pink, with bronze shadings; the form is most unique, resembling a giant sunflower. Each \$1.50

CAESAR.—A fine pale yellow of great merit. Each \$2.00



Queen Wilhelmina.

KING EDWARD.—Large flower, purple crimson; quite distinct. Each \$1.50

QUEEN ALEXANDRA.—Plant grows 4 feet high. Bears elegant flowers of sulphur and white. Each \$2.00

QUEEN AUGUSTA VICTORIA.—Primrose or creamy white. A very bright, desirable flower. Each \$1.50

SNOW QUEEN.—A beautiful pure white. Each \$1.50

Beautiful Free-Flowering Peony Dahlias

Baron G. de Grancy.—Creamy white; of beautiful habit and producing its flowers on long stems, rising far above the foliage. 50c

Bertha von Suttner.—Color beautiful salmon-pink, shaded yellow; the flowers are of elegant form, large and carried erect. The plants are very sturdy and bear abundantly. Each 75c

Dr. K. W. van Gorkom.—Magnificent, large blooms of white, softly shaded rose. Very free-blooming. 60c

Germania.—Wine-color, dark velvet, shaded with yellow; flowers on long stems. Each 35c; dozen \$3.00

Glory of Groenekan.—Orange-yellow; extra-large flower. Each 35c; dozen \$3.00

King Leopold.—Color varying from cream-yellow to white; flowers very large and on long stems. 60c

P. W. Janssen.—Fine orange-yellow; good long stems; an excellent variety for cutting. 50c

Queen Emma.—First-class flower, irregular ranges of petals, strong stems and giant flowers of a soft lavender-pink. Each 35c; dozen \$3.00

Queen Wilhelmina.—The largest of the pure white sorts. Several rows of petals, with the center gracefully twisted; very free. Each 35c; dozen \$3.00

NEW DWARF MIGNON DAHLIAS.

New and Distinct Class Offered for First Time.

This valuable novelty is an entirely new strain among the species of Dahlias. Its early flowering and very dwarf habit (15 inches) makes it one of the most desirable bedding plants. Habit of growth and flowering remind one of Anemone Japonica (Wind Flower). Mignon Dahlias produce in great profusion well-formed, long-stemmed single flowers of medium size and magnificent colors. Excellent for cutting for vases or decorating.

The flower committee at Amsterdam awarded this new race, on account of its great merits for bedding and cutting purposes, five first-class certificates and five awards of merit.

PRICE (plants only this year), YELLOW, VIOLET CRIMSON or WHITE, each \$1.00; four colors for \$3.00.



New Dwarf Mignon Dahlia

Our New Booklet on the Growing and Cultivation of Dahlias, free with each order, contains valuable information.

Latest and Most Improved Types, Cactus Dahlia

PLANTS.—Please note that of some rare varieties we supply plants only, which are considered by experts to be superior to bulbs for producing perfect flowers. We will also send plants when we run out of dry bulbs.



Modell

OUR BOOK,
HOW TO
GROW AND
CARE FOR
DAHLIAS,
FREE.

RED SHADES.

BERLICHINGEN.—Deep crimson-carmine, shading to bright carmine at the tips; flowers of medium size. Very free. Each 35c

CARDINAL KING.—A brilliant, rich cardinal red, with deeper shadings; flowers of perfect form and frequently measuring seven inches in diameter; a grand exhibition variety, and always commands attention. (See cut.) Each \$1.00

Emperor.—A lovely tint of pure plum color, quite velvety in texture; the base of every petal shaded lighter. Each 30c

J. H. Jackson.—One of the finest red Cactus Dahlias; perfect flowers, with long, narrow, pointed forets; early and free bloomer. Each 25c

Loyalty.—Attractive; petals claw-like, fluted and curving mostly inward; one of the most fantastic varieties; color bright coral-red; good bloomer. Each 40c

NELSON.—One of the most distinct varieties raised; in fact, a break among cactus varieties; the flowers are large and very freely produced on long stems, with a good, strong habit; the petals are long, very narrow and curling in a most elegant manner; color rich crimson, shading to magenta. Each \$1.00

ROTHER.—A magnificent bloom of large size, with long, twisted petals, of a particularly rich, bright garnet color; one of the finest dark-colored sorts yet introduced. Each 40c

ROLAND VON BERLIN.—One of the best. Bushes throw their brilliant scarlet flowers at least a full foot above the foliage. The individual clear flower stem often measures 18 inches; excellent for cutting. Each 60c

Staghorn.—Bright carmine, the petals being furcated on the end; odd and fantastic. Each 25c

Uncle Tom.—Free bloomer; deep crimson, almost black; petal rather flat and pointed. Each 20c

NOVELTIES FOR 1911.

One Each Following (9) Sorts, \$7.00.

ARMIGO.—This is the best yellow Cactus variety in existence; a lovely large flower with long incurved petals, color clear chrome yellow. A magnificent exhibition flower. Each \$1.00

CLINCHER.—A gigantic Cactus, producing enormous blooms. Although so large, the flowers are of the best Cactus character, the petals being incurving, narrow and exceedingly numerous, the blooms being of great depth and substance. The color is the prettiest imaginable, outer forets being heliotrope which toward the center gradually lightens till almost white. Each \$1.25

IMPERIAL.—A monster Cactus, many of the blooms measuring over 8 inches in diameter. The color is very striking, indeed—a disc of yellow near the center, quickly changing to reddish carmine, the earlier blooms being decidedly tinged with purple. The plants are strong in growth and flower early. Each \$1.50

MIRIFIQUE.—Fine Cactus Dahlia, wine color, center tipped white, covered with violet lilac. Color distinct. Under special culture the flowers grow from 6 to 7 inches in diameter. Splendid for exhibition. Each \$1.00

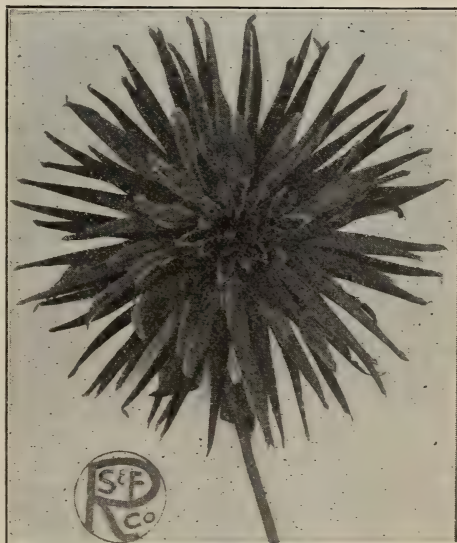
MRS. MACMILLAN.—White in center, gradually deepening to a beautiful deep pink at tips; size gigantic; plants robust, flower stem long and strong; a grand, reliable exhibition variety. Each 80c

MODELL.—This is truly a model Dahlia with a coloring all its own. A beautiful clear waxy yellow, with a delicate plum blush seen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers ever produced. Modell will please you. (See cut.) Each \$1.25

OLIVER TWIST.—The most incurved variety in existence. Rich crimson-scarlet petals, finely twisted. 60c

OTHELLO.—A glorious full, large flower of deepest, richest crimson, center almost black; finest true cactus form; petals of great substance, free and continuous bloomer, producing the most perfect flowers; long stems, erect, good keeper; an ideal flower in every way and one of the earliest. Each \$1.25

RAINBOW.—Soft pink, somewhat paler in the center; forets long and inclined to curve. Each 75c



Cardinal King (Cactus Dahlia).

A hedge of Free Flowering Dahlias is as beautiful and more showy than a hedge of Roses. Try one. We'll tell you which are best adapted for this purpose.

CACTUS DAHLIAS—Continued

RED AND WHITE—YELLOW AND
RED

PAPAGEI.—A pretty, fancy or variegated variety, the ground color being yellow, with bright rosy-red variegations, extending almost to the lemon-colored tips. Each 30c
Richard Dean.—Red, heavily tipped with white; large flowers, with long, curving petals; long stiff stems; one of the most striking varieties. Each 25c

WHITE

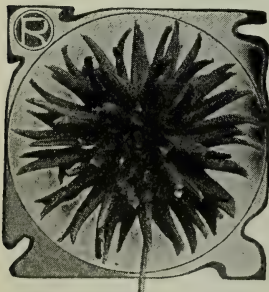
Eva.—A lovely, pure, delicate white, of fine form; flowers are carried perfectly upright on stiff stems; one of the best whites. Each 20c
FAIRY.—Pure white, very narrow, long, narrowing and twisting petals; beautiful form; the most refined of this color. Each 40c
Florence M. Stredwich.—One of the best whites to date. The flowers are large and of splendid shape; a very fine, pure-white variety. Each 20c
Lavine.—Pure white, with just a suggestion of blush as the flower ages. It is of large size, a fine full flower; early and free, with strong stems, holding the flower erect. Each 30c
SCHWAN.—In this variety we have by far the best white Cactus Dahlia yet on the market; very narrow, elegant petals, with habit of growth all that can be desired, throwing the blossoms well above the foliage on long, stiff stalks. Each 50c

YELLOW

EFFECTIVE.—Chamois rose, with yellow shadings, deeper in the center; a large, perfectly formed, intensely double, globular flower, with finely pointed petals; very distinct; flowers freely. Each 40c
Prince of Yellows.—A rich canary yellow, of very large size, with broad petals, which are fringed at the tips; a strong grower, producing an abundance of blooms of fine quality; the best yellow for cutting. Each 30c
STERN.—A beautiful flat-petaled, star-shaped flower of pure lemon-yellow; a good grower, and exceptionally free-flowering; showy either in the garden or as a cut flower. Each 40c

SHADED COLORS

Aschenbroedel.—Flowers are orange-pink, with delicate yellow tips and center; absolutely distinct colorings; the flowers appear way above the foliage on long, wiry stems. Each 35c
AURORA.—One of the best Dahlias for exhibition; colossal in size; elegant in form; most perfect in type, and of the most exquisite coloring; attractive soft pink, slightly tipped white; the heart of the flower brilliant golden. Each 50c
BRILLIANLILLA.—Clear brilliant lilac, without shading; petals long, narrow and interwoven; full center and stem. Each 40c



Staghorn

POMPON DAHLIAS.

This class produces small, very double-quilled flowers, which are ideal for bouquet work. They grow about 3 feet high, very bushy and flower so freely that the blooms hide the entire plant.

Price: Any color 15c each, \$1.25 dozen
Catherine.—Best yellow.
Nerissa.—Soft pink, tinted silver; new.
Darkest of All.—Dark velvety red.



Fairy

COUNTESS OF LONSDALE.—For perfection of bloom, size and erectness of stem, abundance of flowers and general use as a garden flower, although quite old, this variety has never yet been equaled. On several of the plants we counted over 150 perfect blooms at one time on one plant. Is there any other garden flower that can equal it? The color is a rich salmon, tinted apricot. Each 20c; dozen \$2.00

Capstan.—Orange-scarlet, shaded apricot. Each 20c
Columbia.—Bright vermilion; tip of each floret pure white; attractive. Each 20c
Cornucopia.—Deep reddish salmon, large, bold flowers, with very fine petals. Each 50c
Frute.—Peaches and cream appropriately describe the coloring of this beauty, being of a pleasant, soft rose-pink, passing to sulphur cream center; fine bloomer. Each 30c
Fran Hermina Marx.—Most abundant bloomer. Flowers medium, of the exact shade of La France rose, slightly changing flesh color in the center. 25c
KRIEMHILDE.—The queen of the Cactus Dahlias. Flesh delicate pink, shading to white in the center; a most decorative variety for cutting; lasts well when cut. Each 20c; dozen \$2.00

LAURETTA.—New, yellow ground, deeply edged rosy-red; quite distinct in color; flowers of good size and very refined shape; fine habit. Each 40c

MASTER CARL.—Gigantic flowers of perfect form and bright amber color. This is one of the finest Dahlias in our collection. Immense petals of graceful curve. Should be in every collection. Each 50c

MINNIE WEST.—New, yellow, passing to white at the tips; a large flower, with long florets, curved inward. Each 50c

PRINCE OF ORANGE.—A remarkable combination of old gold, orange and yellow; a large, perfect flower; stiff stems; free bloomer. Each 35c

Rosy Morn.—A large flower of excellent form and very constant. In color it is a peach blossom, somewhat paler in tint toward the base. Each 45c

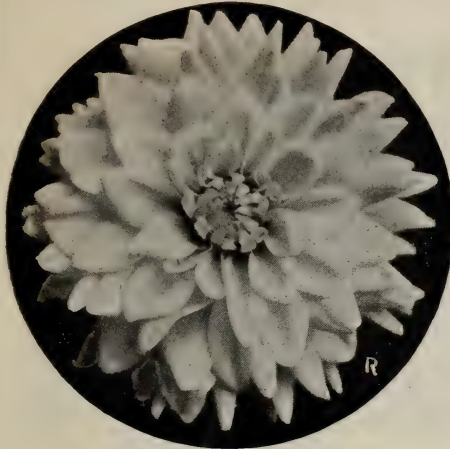
Thuringia.—Color bright orange-scarlet. On account of its great size it is usually among the prize-winners at exhibitions. Each 30c

Victor Von Scheffel.—Blooms of medium size; color a most delicate flesh-pink, shading to purest white in the center; inner petals distinctly edged; flowers are borne on long stems. Each 30c

FREE PREMIUMS.

Don't overlook the Special Free Premiums we allow on all Cash Orders at catalog prices.

DAHLIAS—Continued



Kaiserine Augusta Victoria



Estella

Decorative Dahlias

These are a very pleasing type, with broader petals, that generally overlap one another; fine for cutting and displays.

WHITE

- KAISERIN AUGUSTA VICTORIA.**—The perfect pure white flowers are borne in great profusion on most erect, stout stems, all above the foliage. For landscape work or general garden use this variety is especially valuable. Each 40c
- MAD. HEINE.**—Pure white; the blooms being large, are grand for exhibition, and are always deep and good in the center. Each 40c
- Mrs. Winter.**—Claimed by many to be the best white in this class for cutting; pure white. Each 20c

YELLOW

- YELLOW COLOSSAL.**—A grand large flower of the same form as shown in the above cut of Kaiserine. It is the best exhibition yellow now in existence. The flowers come very perfect on good long stems. Each 60c

PINK

- LUCY FEVRIER.**—A grand large pink of fine texture and most desirable in every way. Each 35c
- Mme. Van Den Dael.**—A splendid, large, decorative variety for cutting; color soft rose, with deeper markings, shading to creamy white in the center. Each 25c
- Silvia.**—Pink, fine form; excellent for cutting. Each 20c; dozen \$2.00

RED SHADES

- JACK ROSE.**—(New.) A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 inches across; color is that of the Jacqueminot rose, from which it derives its name; that rich velvety crimson which cannot be found elsewhere; a most useful variety. Each 50c
- Navajo.**—For richness of color this Dahlia has no equal. Its bold, rich flowers are a most intense velvety red. Each 25c; dozen \$2.50
- SOUVENIR DE GUSTAVE DOAZON.**—The largest decorative Dahlia to date; 9½ inches across; a monster. These immense flowers are borne in profusion from the earliest moment of blooming until the very last; it improves with the season and grows more perfect; color a rich scarlet. Each 35c; dozen \$3.00

VARIEGATED.

- Estella.**—Flowers medium in size, but very odd and attractive; white-streaked and oddly marked with red. Each 20c
- Opal Queen.**—New, color the same and as difficult to describe as the opal itself. A pleasing and rare color. Each 25c
- PROF. MANSFIELD.**—A grand "fancy" Dahlia. It is an immense "decorative" 7 to 8 inches in diameter. The color is a rich yellow with clear white tips, and a slight marking of rosy-red toward the center. Each 35c

Show Dahlias—Quilled

These are excellent for cutting and stand handling and shipping well. In shape they are rather round or ball-shaped, and the petals are generally quilled.

- W. W. RAWSON.**—This variety was exhibited in Germany and England last season and was very much admired. The massive, perfect but graceful flowers, which often measure 7 inches in diameter, are borne on stiff, erect stems 15 inches and longer. The petals toward the center are quilled similar to Grand Duke Alexis, toward the outer part they are more open and flat. The color is pure white, overlaid with amethyst-blue; this wonderful combination gives it the appearance of a delicate lavender. Strong roots. Each 50c
- DREER'S WHITE.**—A pure, glistening white, resembling in form the popular Grand Duke Alexis. Free flowering and most valuable for cutting and show. Each 35c
- Lucy Fawcett.**—Sulphur-yellow, flaked crimson. 20c
- Gold Medal.**—Yellow; edged red.

- Willie Garrett.**—Bright rich red; fine flower. 20c
- A. D. Livoni.**—A beautiful, clear pink. Each 15c
- Grand Duke Alexis.**—Color white; lavender edges; very large. Each 20c
- Henry Clark.**—Pure lilac, edged and pencilled with a deeper shade, and irregularly blotched with clear yellow; coloring is unique. Each 35c
- Lavender Queen.**—Creamy white, shaded lavender. Each 15c
- Gloire de Lyon.**—Very large, pure white; this really is the finest white we have seen. Each 30c
- Diadem.**—Rich crimson; large, fine flower. Each 25c
- John Walker.**—A pure white; very desirable. Each 25c
- Vashti.**—Without doubt the most free-blooming Dahlia in existence; stems long; its color is a clear, bright yellow. Each 50c

SPECIAL.—Any 25c or 40c Dahlia Bulb free with every collection of \$3.00 worth. Your selection. All Dahlia Bulbs ready after February 1. Dahlia Plants after April 1.

CANNAS

CANNAS



Canna Bed (from photograph)

Such great improvements have been made in Cannas during the past few years that any one not posted would scarcely recognize them. They are now generally considered the most showy and effective bedding plants, and are of the easiest culture, requiring only good garden soil. They have tropical appearing foliage and large, showy flowers, some of which are truly orchid-like.

Note.—We are making a specialty of Cannas and Dahlias, and grow thousands of them, and by so doing can pick the cream of the varieties. We make notes during blooming time, therefore know just what each sort is.

CANNA PLANTS.—We know from experience that the average planter does not make a success of Cannas by planting the dry bulbs, i. e., produce a fine, large effective bed, and therefore we have decided to send out growing plants only (unless otherwise ordered), which we know will be more satisfactory. Cannas should really be started in the greenhouse, and we will do this for our customers free of charge.

When you buy our plants, you will be sure of success. Plant any time in May or early June, 18 inches apart in beds of the deepest, richest soil you can give them. 19 plants required for a bed 7 feet across.

Prices

Unless otherwise priced, all plants will be 20c each, \$2.00 dozen. Extra large potted plants, 35c each, \$3.00 dozen. In case of shortage, we will substitute varieties of same color, unless otherwise instructed.

FOR FOLIAGE EFFECT

MUSAFOLIA.—This is the finest foliage Canna yet seen; has enormous musa-like leaves of dark green. In size and beauty of foliage it is a revelation. Attains a height of eight feet; beautiful and symmetrical at every stage of growth.

BLACK PRINCE.—Green foliage; a magnificent variety; flowers frequently 5 to 6 inches across; color intense dark velvety maroon, almost black; a strong, erect grower with fine dark red stems and deep green leaves, edged with purple; height 4 to 5 feet.

RED FLOWERS

PRESIDENT MEYER.—Fine large flowers. Rich cherry carmine, bronzy foliage; 4 to 5 feet.

ALICE ROOSEVELT.—Fine red; foliage green; 4 feet.

QUEEN OF BEAUTY.—Rembles Charles Henderson; a good Canna; 5 feet.

PRESIDENT CARNOT.—A distinct bronze foliage variety; flowers rich vermilion; 5 to 6 feet.

ALPHONSE BOUVIER.—5 feet; strong grower, with crimson flowers.

RED, EDGED YELLOW.

ITALIA.—4½ feet; green foliage; in color the center is of a brilliant red, the outer half of the circumference of each petal a band of clear yellow.

QUEEN CHARLOTTE.—Orange-scarlet, deeply edged with bright canary yellow; 4 feet; green foliage.

ORANGE SCARLET FLOWERS

KING HUMBERT.—In this grand, new orchid-flowered Italian Canna we have a combination of the highest type of flower, with the finest bronze foliage. Its mammoth flowers are produced in heavy trusses of gigantic size, and are of a brilliant orange scarlet, with bright red markings, while the foliage is broad and massive and of a rich, coppery bronze, with brownish green markings; bold and effective; has no equal; 5 to 6 feet.

MRS. KATE GRAY.—Foliage green; flowers very large; rich orange-scarlet, marbled with red, yellow in the throat; 5 to 6 feet.

WYOMING.—Bronzy-purple foliage, with immense spikes of massive orange flowers; 5 feet.

PINK FLOWERS

LOUISE.—The flowers of this beautiful Canna are of large size, with long petals and soft, deep, rich rose-pink color, that is delicately dappled and streaked with red. The bloom spikes are unusually large and fine; green foliage; 5 feet.

YELLOW, SHADED OR SPOTTED

FLORENCE VAUGHN.—5 feet; the most famous of all Cannas. It still remains the best type of the new Cannas. The flowers are rich golden yellow, thickly dotted with bright golden red; foliage green.

MISS B. BRUNNER.—Dark green foliage; yellow flowers, spotted with bright red; fine for bedding; height 5 feet.

ELDORADO.—Bright yellow, heavily marked with scarlet dots; extra fine for bedding or for single specimens.

Send your Canna order early, so we can reserve choice plants for you. We will deliver at proper season.

FERNS, FERN BALLS, ETC.



Asparagus Plumosus

Send
Us
50c
For
Three
Pretty
Ferns.
They
Will
Please
You.



Ostrich Plume Fern

GRACEFUL FERNS

Nice plants. Your choice of any of the following 20c each; 3 for 50c; the full collection only \$1.25.

BOSTON FERN.—One of the most beautiful and useful of house plants. It is of easy culture, and its sword-like fronds, in large specimens, attain a length of 3 to 4 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction. Small plants 20c to 35c, postpaid; specimen plants \$1.50 to \$2.50 each.

OSTRICH PLUME.—One of the most wonderful and beautiful plant introductions of the present age. This new sort is a sport from the well-known Boston Fern, the habit of growth being the same, but with the pinnae being divided, as are the fronds. A matured plant has a beautiful, feathery appearance, and we think is one of the grandest of decorative house plants. Small plants 20c to 35c, postpaid; specimen plants \$2.00 to \$3.50 each.

ASPARAGUS PLUMOSUS (Climbing Lace Fern).—A finer and more delicate plant than the Sprengeri, but hardy and easily grown. Very satisfactory for window and house culture. An extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut, and are greatly admired for floral decoration. Small plants 20c to 35c, postpaid; specimen plants 75c to \$1.00.

ASPARAGUS SPRENGERI (Emerald Feather).—This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, and are very useful for bouquets, wreaths and all kinds of floral decorations. It makes a charming ornamental plant for the window or conservatory in winter, and is equally valuable for vases, baskets and porch boxes in summer. Small plants 20c to 35c, postpaid; specimen plants 75c to \$1.50 each.

ADIANTUM CUNEATUM (Maiden Hair Fern).—A very beautiful and graceful fern; postpaid 20c.

ASPIDIUM TSUSSIMENSE.—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit; postpaid 20c.

CRYPTONIUM FALCATUM (The Holly-Leaved Fern).—One of the most desirable; postpaid 20c.

PTERIS ARGYREA (Silver Fern).—A very shown Fern, with variegated foliage; postpaid 20c.

PTERIS WILSONI.—A very pretty and useful fern; green leaves with the ends very peculiarly crested; beautiful sort for fern dishes; postpaid 20c.



Asparagus Sprengeri

JAPAN FERN BALLS

Our own importation arrives from Japan about December. The ball is composed of the Japanese Island Fern Roots and Sphagnum Moss, and so constructed as to send out leaves of beautiful emerald green from every point. They make a handsome ornament for the home, conservatory or greenhouse. To start, place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

Price of Balls in dormant state, each 75c

Specimen Plants—THESE ARE LARGE, CHOICE, WELL-SHAPED PLANTS, IN 4 TO 6-INCH POTS, AND ARE VERY BEAUTIFUL. THEY GO BY EXPRESS AT BUYER'S EXPENSE.



Carnation

CARNATION PLANTS

WINONA COLLECTION, price 15c each, 12 for \$1.25, postpaid.

- White Enchantress.—A beautiful white sport from the famous pink Enchantress.
- Winona.—Rich bright pink of glistening texture, superb free flowering sort.
- Beacon.—A bright, deep scarlet; a most perfect color; soft, yet brilliant.
- Enchantress.—Flowers $3\frac{1}{2}$ to 4 inches across when well grown, and borne on stout stems 2 to 3 feet long. The color is a superb shade of flesh pink, richer and brighter towards the center.
- Lady Bountiful.—Color pearly white; very large, with heavy, glistening petals, delicately fringed.
- Mrs. Thomas W. Lawson.—Simply superb, both in form and color; brilliant dark pink; of immense size.
- President Roosevelt.—Magnificent, bright, rich crimson; large, perfectly double flowers, deeply fringed.
- Rose Enchantress.—Large, rose pink flowers, exquisitely fragrant; fine.
- White Perfection.—The grandest white and the most prolific bloomer of the Carnation family.
- Winsor.—The handsomest of all pink Carnations; perfect in shape; extra large.
- Victory.—Color richest shade of intense scarlet ever seen in a carnation; flowers massive.
- Viola Allen.—Ground color of flower creamy white; very beautiful, pencilled with light pink.

BLACK HAWK COLLECTION CHRYSANTHEMUMS

12½c each, 10 for \$1.00, postpaid.

Set these plants out in the spring, and with ordinary care you will have a grand display from early fall until severe frosts.

- Black Hawk.—A velvety crimson-maroon; outer petals very much reflexed and center erect, making a very large flower.
- Clementine Touse.—Grand new incurved white variety, sometimes faintly touched with pearl. A gem among Chrysanthemums.
- Comets.—Very early; yellow; reflexed Japanese; of good size, color and substance.
- Early Snow.—Snowy white, of perfect incurved form; very large.
- Golden Glow.—A handsome, yellow variety of pure tint; splendid in size and form, and a magnificent addition.
- J. K. Shaw.—A beautiful light shade of pink, having excellent keeping qualities, with extra good foliage and stem; a grand commercial flower.
- October Frost.—Early, white, coming into bloom the first week in October; a fine, incurved flower.
- Source de Or.—Golden, twisted flowers, tipped yellow and shaded with brown; one of the most satisfactory for general planting.
- Willowbrook.—Beautiful pure white variety, petals twisted and arranged in a most artistic manner.
- Wm. Simpson.—Clear pink, without a trace or shading of purple or magenta; globe-shaped flower of large size.



October Frost

SELECT GERANIUMS

New Double Geraniums, 10c each, 6 for 50c, postpaid.

- Francis Perkins.—The grandest bright pink bedding variety to date; a fine grower, very free in bloom.
- John Doyle.—Very large and full trusses of double bright, velvety scarlet flowers; one of the finest varieties.
- La Favorite.—Trusses very large; flowers pure snow-white.
- Mme. Jaulin.—A truss of grand size, composed of very large florets, the centers of which are delicate pink, bordered with pure white.
- S. A. Nutt.—The best of the rich, dark crimson varieties; trusses massive and lasting.
- Thos. Meehan.—Rich rose color, upper petals marked with orange; a rare new color among Geraniums.

New Single Geraniums, 10c each, 6 for 50c, postpaid

- Gertrude Pearson.—Pure rose-pink, with conspicuous white blotch on two upper petals; flower beautifully formed, and the largest of its color; habit good; foliage nicely zoned.
- James Kelway.—Immense trusses of large, round flowers of the most vivid scarlet, with large white eye.
- Jacquerie.—Rich, vivid crimson; immense trusses; the best of the dark Geraniums for bedding, as it blooms freely, stands the sun well, and is a rarely beautiful flower.
- Mrs. J. M. Garr.—A grand single white; plants a mass of white bloom; trusses of the grandest size; florets extra large and of the purest white.
- Mrs. A. Blanc.—Silver salmon, shaded peach; glistening texture.
- Sam Sloan.—Rich purple crimson variety. One of our finest varieties.



Single Geranium

Geraniums by the thousands for large plantings. Write for prices in season
For Lady Washington or Pelargoniums, see next page

FLOWERING BEGONIAS

10c each, 6 for 50c, postpaid.

- Cuprea.**—A fine, erect Begonia, with dark, rough leaves; the panicles of unopened flowers are bright red, with surface like plush.
- Dewdrop.**—Pure white, with shining deep green foliage; always in bloom.
- Incarnal.**—Fine pink flowering sorts, especially free blooming in the winter.
- Marjorie Daw.**—Foliage deep glossy green; flowers a beautiful shade of salmon pink, produced in long, drooping clusters.
- Marguerite.**—Bronzy green, with purple cast; large trusses of cream and rose-colored flowers.
- President Carnot.**—A strong-growing variety of stiff, upright habit; foliage large, upper side deep green; under side purplish red; flowers beautiful coral red in large pendant panicles.



Rex Begonia

REX BEGONIAS

Grown for the beauty of their foliage. The most ornamental of window plants. We offer the most distinct and handsomely marked varieties. Price, choice plants 25c each postpaid

FUCHSIAS—New Giants

Very desirable free flowering plants for house or garden.
10c each, 6 for 50c, postpaid.

- Commandant Marchand.**—Fine, large and elegant form; sepals long and reflexed; pure red; corolla large double white.
- General Roberts.**—Flowers very large, corolla plum color, tube and sepals crimson.
- Jupiter.**—This is a grand mammoth double flowered Fuchsia; flowers of enormous size, very large, rich violet purple corolla; tube and sepals bright crimson.
- Mrs. E. G. Hill.**—A grand double white variety; very large and beautiful form; a splendid growing variety.
- Rose Phenomenal.**—A fine, large, rounded corolla with strongly recurved sepals. The corolla is a delicate heliotrope color suffused with rose.
- White Giant.**—Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white.



Fuchsias

PETUNIAS—Double Fringed

Price, 10c each, 6 for 50c, postpaid.

Double Petunias make excellent bedding plants, as well as being suitable for pots and vases. Like the single Petunias, they bloom continuously all through the season; the flowers, however, are far more beautiful being larger, quite double and finely fringed. The varieties we offer are the latest production of a noted specialist and are without doubt the finest yet produced.

- Edna.**—Deep, violet crimson, mixed with white, clear white on the edges of the petals.
- Fantasy.**—A grand variety, deeply fringed, large and very double, pure white, irregularly splashed with violet.
- Majestic.**—An extra large, fine double, fringed variety, deep velvet crimson, with a velvety finish.
- Pink Beauty.**—A lovely shade of light clear pink; one of the most beautiful yet raised.
- Sea Foam.**—For purity of color, form, size and vigor of growth, this variety is unsurpassed in double white petunias.
- Wonderful.**—A distinct shade of heliotrope, veined darker. Fine, strong-growing variety, blooming profusely at all times.

ENGLISH SHOW PELARGONIUMS

Price 20c each; set of 6 assorted \$1.00, postpaid; specimen plants 50c to \$1.00.

These are commonly known as the Lady Washington Geraniums. When in bloom during the summer months, they are very beautiful and ornamental, either as pot plants or in the garden.

ANNUAL BEDDING PLANTS

During the months of April and May we have thousands of the following hardy bedding plants; price per dozen by express at buyer's expense; Ageratum, 50c; Alyssum, 60c; Asters, 30c to 50c; Candytuft, 50c; Carnations, 75c; Chrysanthemums, 75c; Cosmos, 50c; Cobea Scandens, \$1.50; Daisies, \$1.00; Dusty Miller, 75c; Geraniums, \$1.00 to \$2.50; Heliotrope, 60c to 75c; Lobelia, 40c to 50c; Marigold, 60c; Mignonette, 75c; Petunia, 50c to \$1.50; Pansies, 40c to 75c; Phlox, 60c; Salvia, 60c to \$1.50; Stocks, 60c; Verbena, 50c to 75c.

For description of these flowers see Flower Seed Department. If wanted by mail, add 25c per dozen for postage; but we suggest express shipment, for we can send larger plants.

Write for special prices for large plantings

ROUTLEDGE'S SELECT HARDY PERENNIALS

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. Beginning almost before the snow is off the ground, early-flowering varieties open their blossoms, as welcome harbingers of spring. Almost every week until late in the fall some new variety bursts forth into entrancing loveliness, blooming so persistently as to almost defy Jack Frost in his efforts to subdue the floral kingdom. A start may be obtained at so small an expenditure as not to be counted when measured with the satisfaction and pleasure derived from them. Once planted they are there to stay, requiring very little care, increasing in size and bloom and growing better from year to year.

All Perennials unless otherwise priced are 25c each, \$2.50 per dozen, by express or freight at purchaser's expense.

SMALL CLUMPS BY MAIL.—Add 5c extra per clump for postage.

ACHILLEA—"The Pearl"

Small double white flowers in open heads, blooming profusely all summer, 2½ feet.

ALYSSUM—Gold Dust

Saxatile Compactum.—Large heads of golden yellow flowers in May and June; silvery foliage; fine for rockeries; 6 inches.

ANEMONE JAPONICA—Japanese Windflower

These beautiful Windflowers are one of the most important hardy plants. While they begin blooming early in August, they are more especially valuable on account of their continuing in full beauty until cut down by hard frost. They can be used in solid beds or borders or clumps planted through the hardy border, which they brighten up during the late fall months.

Japonica.—Beautiful rosy-red; stamens bright yellow. \$3.00 dozen

Alba.—Large, snowy white; very chaste. \$3.00 dozen

Prince Henry.—Large, very double, deep pink flowers. \$3.00 dozen

Rosea Superba.—Delicate silvery-rose; remarkably free flowering. \$3.00 dozen

Whirlwind.—Large semi-double pure white flowers; very free.

Extra strong clump of any of the above 35c each

ARABIS—Rock Cross

Alpina.—Desirable for edging rock garden or borders, where it forms a dense carpet, completely covered with pure white flowers.

AQUILEGIAS or Columbines

The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising two feet or more above the beautifully divided foliage, and are highly prized for cutting; June to September. Yellow, Blue, White or Mixed.

HARDY ASTERS—Michaelmas Daisies,

These are among the showiest of our late-flowering hardy plants, giving a wealth of bloom at a season when most other hardy flowers are past, and for best effect should be planted in masses of one color. They grow freely in any soil. September and October. Blue, White, Pink or Mixed.

BELLIS PERENNIS—English Daisy

Improved double-flowering, white and pink. Clumps 25c; small plants 10c each; \$1.00 dozen

BOCCONIA—Plumed Poppy

Cordata.—Enormous panicles of buff or creamy white flowers borne above large, heart-shaped leaves; July to September. 6 to 8 feet.

CAMPANULAS, or Bellflowers

Indispensable hardy garden flowers, of much variety of form, some being of tall and imposing habit, while others are dwarf, compact little plants suitable for edging, rockwork, etc. Single and Double Mixed.

Medium (Canterbury Bells).—Our stock has been grown from the very finest strain. Blue, Rose and White; 3 feet.

Persicifolia (Peach Bells).—Blue salver-shaped flowers during June and July; 2 feet.

Alba.—A pure white form of the above.

Medium Calycanthema (Cup and Saucer Canterbury Bells).—A beautiful form of this favorite flower. Blue, Rose and White.

Pyramidalis (Chimney Bell-flower).—The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high, crowded with large salver-like blue flowers. 35c; \$3.00 dozen

Gigantea Moerheimi.—A grand sort with large spikes of pure white double camella-like flowers, 2 to 2½ inches in diameter; in bloom from the middle of May until late in July. 35c each; \$3.50 dozen

CHRYSANTHEMUMS

Hardy Pompon.—Popular for outdoor bedding. They produce a lavish profusion of blooms, giving color, life and beauty to the garden just at a time when other plants have been destroyed by frost and are looking their worst.

Japanese Fancy Varieties.—Separate colors; from 4-inch pots. 75c each; \$8.00 dozen

See page 57 for small 15c plants.

COREOPSIS

Lanceolata Grandiflora.—Popular hardy plants. The flowers are a rich golden-yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn; it succeeds everywhere; 2 feet.

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.

Light or Dark Blue or Mixed, 25c each; \$3.00 dozen
Belladonna.—The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

Each 50c; \$4.00 dozen

DIANTHUS PLUMARIUS—Hardy Carnation

Few of the perennials give greater satisfaction than the hardy Carnations, producing, as they do, the great quantity of handsome, clove-scented Carnations from June to September.

DICENTRA—Bleeding Heart

Blooms in spring and has long, graceful racemes of rosy red flowers, with protruding white inner petals; 3 feet.



Coreopsis Lanceolata.

REMEMBER, our prices are for large 2-year, field-grown clumps, that will bloom profusely the first season.

Prices, unless otherwise marked: Strong field-grown clumps, 25c each; \$2.50 dozen. Small clumps by mail, 5c extra.

DIGITALIS—Fogglow

Old-fashioned hardy biennial plants with broad foliage and showy flowers borne on spikes. June and July. White, Pink or Mixed.

Monstrosa.—Handsome, various-colored flowers in clumps, surmounted with one large terminal flower.

DORONICUM

Plantagineum Excelsum.—Very large orange-yellow flowers with darker center; borne during May, June and July; 2 feet.

ERIGERON—Flea Bane

Coulteri.—Large purplish-blue flowers with yellow centre; July; 12 to 15 inches.

Grandiflorus Elatior.—Large, solitary purple flowers with bright yellow disc; June and July; 18 inches.

FUNKIA—Plantain Lily

The Plantain Lilies are among the easiest plants to manage; their broad, massive foliage makes them attractive subjects for the border even when not in flower.

GAILLARDIA—Blanket Flower

Grandiflora.—One of the showiest of perennials. Ray flowers ranging from red to yellow around a dark maroon center; 3 feet; June to frost.

GYPSOPHILA—Baby's Breath

Paniculata.—Minute white flowers borne in enormous quantity in open panicles during summer months. Valuable for cutting; 3 feet. \$3.00 dozen

Paniculata Fl. Pl.—A grand novelty. In growth similar to the single variety. The small white flowers, being perfectly double, give the plant a different aspect and make it more valuable for cutting or as a show plant. 50c each; \$5.00 per dozen

HARDY ORNAMENTAL GRASSES

The ornamental grasses, exclusive of the Bamboos, can be used with telling effect in borders, large beds, or by the margin of ponds and lakes. They are often used with small shrubs and medium-sized trees in wide borders. The Eulalias, planted singly on lawns where the soil is deep and rich, take care of themselves, and grow rapidly into large specimens.

Eriarthus Ravennae (Plume Grass or Hardy Pampas).—Grows from 10 to 12 feet high, frequently throwing up from 30 to 50 flower spikes. It closely resembles the Pampas Grass.

Clumps 50c to 75c and up

Eulalia Graecilima Univittata (Japan Rush).—Of graceful habit, with very narrow foliage; of a bright green color, with a silvery midrib.

Clumps 50c to 75c each

Eulalia Japonica Variegata.—A very ornamental variety; long, narrow leaves, striped green, white and often pink or yellow. Flower stalks from 4 to 6 feet high.

Clumps 50c to 75c each

Gynerium Argenteum (Pampas Grass).—One of the most effective. Its silvery plumes are produced on stems 8 to 10 feet high.

Clumps 50c to 75c and up to \$5.00

Japan Grasses and Reeds

Aside from above kinds we import from Japan a general assortment of the most desirable kinds.

Clumps 50c to 75c and up

HELENIUM—Sneeze-wort

Bigelowii.—Handsome yellow flowers with brown center, borne during summer. Ray flowers serrated and overlapping in several rows. One of the finest of the yellow-flowering Compositae.

Riverton Beauty (New).—Rich lemon-yellow; center purplish-black; 3 to 4 feet. 30c each; \$3.00 dozen

HELIANTHUS—Hardy Sunflowers

The perennial Sunflowers are among the most effective hardy plants for large borders for planting among shrubbery, or as clumps on the lawn. Invaluable for decorative purposes or as cut flowers during the summer.

Meteor.—Large double orange-yellow flowers, with bold yellow guard petals; 5 feet; August and September.

Soleil d'Or.—Deep golden-yellow, quilled petals, not unlike a Dahlia; 4 feet; August and September.

Maximiliana.—The latest of all, perfecting its fine golden-yellow flowers in long, graceful sprays during October, when all others have finished flowering; invaluable for cutting; 5 to 7 feet.

Multiflorus Fl. Pl.—(Double Sunflower.) Large, double, yellow flowers during summer and fall; 4 to 5 feet.

Red Variety. 30c; \$3.00 dozen

HEUCHERA—Alum Root

Sanguinea.—Small, scarlet flowers in large, graceful panicles. One of the best of the scarlet perennials; 18 inches; June to October.

HIBISCUS—Mallow

A desirable border plant, succeeding in any sunny position, but doing best in a damp place; grows 4 feet high, with large foliage and large, showy flowers of delicate coloring, produced during the entire summer.

Moscheutos (Swamp Rose Mallow).—Flowers 6 inches in diameter; of a light rosy-red color, with darker eye.

Crimson Eye.—Flowers of immense size, often measuring 20 inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the centre.

Meehans' Mallow Marvels

A novelty of sterling merit. Every garden owner should possess some of these wonderful plants. They rival all other perennials in immensity and gorgeousness, coloring of flowers, ease of growing and general attractiveness; flowers 10 inches across; from July to frost; 6 to 8 feet.

White, Pink, Red or Crimson. \$1.50 each

HOLLYHOCKS

Few hardy plants combine as many good qualities as the Hollyhock. For planting in rows or groups on the lawn, or for interspersing among shrubbery they are invaluable. The flowers form perfect rosettes of the most lovely shades of color. We offer strong plants, which will flower this season. White, Pink, Yellow, Lilac, Bright Red or mixed colors.

HYPERICUM—St. John's-wort

Moserianum (Gold Flower).—One of the very best herbaceous plants of drooping, trailing nature. Fine for rockeries, etc. Marvelously free-flowering, of large size; rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers. June to frost. 18 inches.

25c each; \$2.50 per dozen; \$15.00 per 100
Extra strong clumps, 50c;

IBERIS—Hardy Candytuft

Sempervirens.—Most desirable dwarf plants with evergreen foliage, which is completely hidden with dense heads of white flowers early in the spring.

Iris—All kinds. (See page 48.)

Lilies—All kinds. (See pages 47-48.)

LOBELIAS

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam, where they will not suffer from drouth. Few plants are more effective at their season of bloom, which extends from early in August till late in September.

Cardinalis (Cardinal Flower).—Rich, fiery cardinal flowers; strong plants often producing 10 to 18 spikes, 12 to 24 inches long.

Queen Victoria.—Flowers deeper in color than above and with rich bronzy foliage.

LUPINUS—Lupine

Polyphyllus.—An effective plant, producing large spikes of blue flowers. Each 35c; \$3.50 dozen

Roseus.—A very pretty variety with rosy-pink flowers. 35c each; \$3.50 per dozen

LYCHNIS—Campion

All of the Lychnis are of the easiest culture, thriving in any soil, and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

Haageana.—Showy orange-scarlet and pink flowers in large heads. June to September. 18 inches.

Annual Flowering Plants. During April and May we have thousands of Flowering Plants for porch boxes, beds and borders. Prices on request.

PERENNIAL PLANTS—Continued

Prices: Strong field grown clump, 25c each; \$2.50 dozen, unless otherwise priced. Small clumps by mail, 5c extra.

MYOSOTIS—Forget-Me-Not

Palustris Sempervlorens.—A variety that is hardly ever out of flower; useful in a shady spot in the border.

PAPAVER—Hardy Poppy

Nudicaule (Iceland Poppy).—A beautiful race and among the most desirable of our herbaceous plants. The plant forms tufts of fern-like foliage, from among which the slender flowers-stalks rise to about a foot in height and bear fragrant, cup-shaped flowers of white, yellow and orange-scarlet. The profusion of blooms is astonishing. June to October

Orientele.—Bright scarlet with a black blotch at the base of each petal. June to July. 2 to 3 feet.

Extra large, 35c each

SUPERB HARDY PHLOX

Among the hardy perennial plants no class is of more importance than the Phloxes, succeeding in almost any soil and position, and flowering through a long season.

Mixed Colors. 20c each; \$2.00 dozen
Small Plants in May. 15c each; \$1.50 dozen, postpaid

Named as follows:

Each 25c; dozen \$2.50

Selma.—Very fine pink.

Mrs. Lingard.—White, pale pink center.

Mrs. Jenkins.—Pure white.

Bridesmaid.—White, crimson eye.

W. Von Goethe.—Rosy Carmine.

SELECT NAMED. Clumps, 30c each; \$3.00 dozen

Champs Elyses.—Bright rosy magenta.

R. P. Struthers.—Rosy red with claret eye.

F. G. Von Lossburg.—Large snowy white.

Coquelicot.—Pure bright scarlet, superb.

Eugene Danzenvillier.—Lavender, light eye.

PHLOX SUBULATA—**Moss, or Mountain Pink**

An early spring-flowering type, with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of white bloom. An excellent plant for the rocky, the border, and invaluable for carpeting the ground or covering graves.

PINKS—Hardy Garden

Old favorites, bearing their sweet clove-scented flowers in the greatest profusion during May and June. They are indispensable for the edge of the hardy border and for cutting; 1 foot.

White, Red or Mixed.

For seedlings, see Annual Plants.

PLATYCODON—Japanese Bell-flower

Wahlenbergia Grandiflora.—Pretty blue bell-shaped flowers blooming from July to September. Sometimes classed as a campanula.

PRIMULUS—Primrose

The hardy Primroses are among the most beautiful and interesting of our early spring flowers.

Dean's Hybrids.—Flowers are of the richest shades from pure yellow to the deepest crimson maroon.

Superba.—Perfectly hardy, growing 10 to 12 inches high, with yellow flowers 1½ to 2 inches

RUDBECKIA—Cone-flower

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow.—Flowers beautiful golden-yellow and very double. Marvelous continuity of bloom from June till late fall. 6 to 8 feet.

Newmanni.—Orange-yellow flowers in large heads, with purplish-brown disk. July to frost.

SHASTA DAISY

Chrysanthemum Leucanthemum Daisy.—Very large, daisy-like flowers, often measuring 4 inches across.

Three or more rows of petals of the purest paper white and borne on single, stiff stems. In bloom from July to frost; 2 feet.

STOCKS

Hardy Varieties for local planting, white or pink.

SWEET WILLIAM—Dianthus Barbatus

This fine old-fashioned flower is always desirable and makes a fine show in bloom, June to September.

Light or dark shades.

TROLLIUS—Globe Flower

Desirable free-flowering plants, producing their giant Buttercup-like blooms on stems 2 to 2½ feet high from May until August; succeed admirably in the border in a half-shady position. Mixed or separate colors.

TRITOMA—**Red-hot Poker, Flame Flower, or Torch Lily**

The early, free and continuous blooming qualities of the newer varieties have made Tritomas one of the great bedding plants.

VALERIANA—Spurred Flower

Coccinea (Valerian).—Showy heads of reddish flowers from June to October; 2 feet. \$3.00 dozen

VINCA—Periwinkle, or Trailing Myrtle

Minor.—Dwarf evergreen trailing plant, used for carpeting the ground under shrubs and trees, or on graves where it is too shady for other plants to thrive. 15c each; \$1.50 dozen

Variegated.—Mostly used in hanging baskets, etc. 15c to 25c each

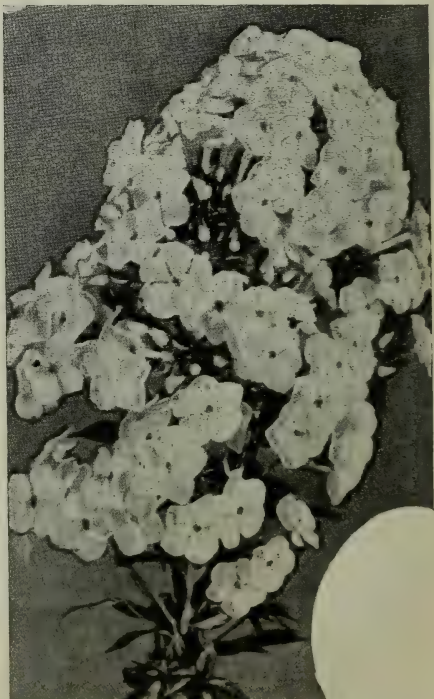
SWEET VIOLETS

Californica.—Very showy and beautiful

Princess of Wales.—Flowers single, of gigantic size; color, a very rich shade of blue, and extremely fragrant. Large clumps 25c each; \$2.50 dozen

Small Plants, single or double and blue or white. 10c each; \$1.00 per dozen, postpaid

YUCCA—See page 86.



Hardy Phlox

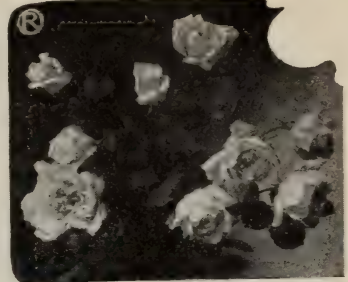
REMEMBER, our prices are for large 2-year field-grown clumps that will bloom profusely the first season.

CHOICE ROSE PLANTS

One-year-old mail order size sent postpaid anywhere in the United States.

Oregon Grown Hardy Plants.

On this page we are offering four choice collections of the finest roses. This is the popular mail order size that we send by mail or express, charges prepaid. They are grown in small pots, are strong, healthy and well rooted, and from 8 to 12 inches high. They should not be planted outside before severe weather is over in the spring, but you can order early and keep the plants in boxes or pots in a sheltered location until the ground is ready. By doing this you will have them on hand just when wanted, and your plants will be growing larger and hardier. While this size will not produce so many blooms the first season as our large field grown plants offered on the following pages, you will be surprised at the results you can obtain, and at quite a saving in price. Do not class these plants and others we offer with the cheap, low-priced plants advertised and sold by Eastern florists, for there is no comparison. We have no time for “trash.”



President Taft

FIVE NEW AMERICAN PEDIGREED ROSES

Price 25c each; set of 5 \$1.00, postpaid.

- Katherine Moulton.**—A new, ever-blooming rose of robust growth and healthy; flowers of large size, good form and rich fragrance; the color is blush-pink, with a shading of yellow at the base of petals.
- My Maryland.**—Rich, soft salmon-pink, shaded to vermilion in the center; large, full, perfectly formed flower; splendid variety for exhibition and garden decoration.
- President Taft.**—A superb, new rose of American origin, producing elegantly shaped buds and open

- flowers of much beauty; of an exquisite silvery pink color and sweetly perfumed.
- Rhea Reid.**—A fine garden rose of clear carmine color, deepening to the center of the flower; it flowers very continuously and freely; especially fine in spring and autumn; very fragrant.
- White Killarney.**—A sport from the famous “Pink Killarney” and equal to it in every respect. It is of the same size, form and make-up as the parent and a better white than the well-known Bride Rose; very free flowering.

COUNTESS COLLECTION OF GRAND NEW ROSES

Price 20c each; set of 8, \$1.25, postpaid.

- Betty.**—A long-stemmed rose of great merit, copery rose; deliciously perfumed.
- Countess of Derby.**—A grand new rose; peach pink; long pointed buds; free flowering.
- Dean Hole.**—A superb rose; large flowers of fine long form; silvery carmine, shaded salmon.
- Freiherr von Marchall.**—Long pointed buds and grand flowers; color dark carmine.

- Mad. Melanie Soupert.**—Very beautiful and distinct; orange yellow, shaded carmine; free flowering.
- Mad. Leon Pain.**—Strong grower; the beautiful flowers are silvery bluish shaded orange; very fine.
- Mrs. A. R. Waddell.**—Color bright crimson cerise; deliciously fragrant; handsome foliage; flowers produced on long, stout stems.
- President Smith.**—A grand rose; elegant buds and large flowers; a beautiful light pink.

SUNSET COLLECTION—VERY CHOICE

Price 15c each; 12 for \$1.25, postpaid; set of 12 in 2-year-old plants \$3.75.

- American Beauty.**—Rosy crimson; fine large flowers.
- Eelle Seibrecht.**—Bright pink; beautiful flowers.
- Bessie Brown.**—White, flushed pink; large flower.
- Kaiserine Augusta Victoria.**—Best creamy white.
- Helen Cambier.**—Lovely yellow shaded orange.
- Madam Caroline Testout.**—Our most popular pink.
- White Maman Cochet.**—Pure white; elegant buds.

- Maman Cochet.**—Beautiful rosy pink; very fine.
- Richmond.**—Beautiful scarlet; free bloomer.
- Virginia R. Coxe.**—Fiery crimson; free bloomer.
- Souv. de President Carnot.**—Shell pink, shaded fawn and creamy white.
- Sunset.**—Orange-yellow; grand flower.

HARDY COLLECTION—POPULAR ROSES

Price 10c each; set of 12 for \$1.00, postpaid.



Golden Gate

- Anna de Diesbach.**—Beautiful, clear carmine pink.
- Baron de Bonstettin.**—Dark, rich red; very large and full.
- Captain Christy.**—Lovely rosy pink; free bloomer.
- General Jacqueminot.**—Bright crimson; one of the best.
- Gloire de Margotten.**—Bright red; fine buds; large flowers.
- Gloria Lyonnaise.**—Chamois yellow; full, sweet, distinct.
- Margaret Dickson.**—White, shaded flesh; magnificent flower.
- Magna Charta.**—Pink and carmine; large, full flowers.
- Mrs. John Laing.**—Soft, delicate pink; free flowering.
- Paul Neyron.**—Large, deep rose; double and handsome.
- Prince Camille de Rohan.**—Dark maroon; one of the darkest.
- Ulrich Brunner.**—Rich, glowing crimson; large bold flowers.

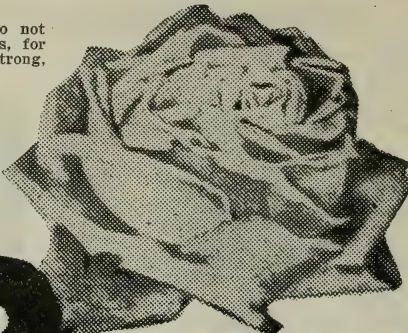
CLIMBING ROSES

We can supply any of our Climbing Roses (see page 68) in mail order size at 15c each; 4 for 50c, postpaid.

NOTE.—If you want varieties not offered in the collections above, you can make your own selection from those listed on following pages at 15c each; 4 for 50c, with the exception of those priced above 40c each.

ROSE HEDGES

For the best effects in hedges, do not mix the Tea Roses with the others, for they do not grow as fast or as strong, and look too uneven in the rows.

**ROSES**

Some
Dealers
Charge
More,
But
No
One
Offers
Better,
Stronger,
Healthier,
True
to
Name
Rose
Bushes
Than
WE.

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, color and main points of merit. We have tried to eliminate all out-of-date and inferior sorts. If you want roses for hedging or special beds for certain effects, we will gladly make selections for you or give you our opinion.

ABBREVIATIONS

Following the name of each sort will be noted an abbreviation denoting the class to which the variety belongs. By observing these and reading the following descriptions of such abbreviations, any one may intelligently make selections for all sections and to suit any purpose:

H. P.—HYBRID PERPETUAL.

These are the hardiest of all roses; many will stand the coldest sections; vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

T.—TEA.

One of the best classes of roses, and truly ever-blooming. Many of these are the most beautiful and sweetly scented. They are hardy in this section, frequently wintering without any protection, although during our coldest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA.

These, as a rule, are as free-flowering and as constant bloomers as the tea sorts. They are harder

than the Teas, but, as a rule, not so hardy as the H. P.'s. Many of this class, however, are practically hardy, and a few are very hardy.

SHIPPING

BY FREIGHT OR EXPRESS.—We always send our 2-year-old rose bushes by express or freight, packing them so they will ship safely, even though they should be on the road for two weeks.

BY MAIL.—If necessary, we can send small 2-year-old bushes by mail at an additional cost of 7c each, to cover postage, but in such cases we always prune the tops and roots, ready for planting, as they carry safer.

NEW ROSES

Each year brings us new introductions in Roses, some very valuable and desirable, others not adapted to general culture, or not as good as our old standby. We watch these new varieties and know where the best stocks are to be had; in fact, have many of them ourselves. Order any kind you want, whether found in this catalog or not. Remit the amount they are listed at by others, and we will secure them for you if they are to be had on this Coast.

OUR PRICES

Following bushes offered are all 2-year-old, field-grown stock, strong, healthy and vigorous, and unless otherwise priced will be 35c each; 6 for \$1.75; 12 for \$3.00. Extra selected 2-year-old, 50c each; 6 for \$2.50; 12, \$4.00. We often are in a position to supply lighter grades for large plantings for less money. Write if interested. See page 61 for prices on 1-year-old, mailing size.

White—Pure

FRAU KARL DRUSCHKI (H. P.)—This magnificent variety has taken first prize at all the great flower shows in Europe and America, and is undoubtedly one of the grandest, hardy, pure-white roses ever introduced. Makes splendid buds and immense flowers; vigorous grower, and a constant and abundant bloomer.

IVORY—White Golden Gate (T.)—It is an exceedingly free bloomer; always covered with fine buds and flowers, which are large, full and sweet, clear ivory white and highly valued for cutting.

MABEL MORRISON (H. P.)—Of the purest white and almost velvety in its finish; petals thick and shell-shaped; very double and rounded in form; one of the finest varieties extant.

NEPHETOS (T.)—Large, graceful buds of snow-white, remaining in perfect form for many days.

THE BRIDE (T.)—One of the finest white roses ever offered; the buds are very large and of exquisite form, and the full flower very double and handsome.

A Pleased Customer in Pennsylvania

Chestnut Hill, Philadelphia, Pa.

Routledge Seed & Floral Co.

Dear Sirs: I received the rose bushes which I ordered by express, just one week from day of shipment; they were in perfect condition, and I was delighted with them. I shall use your "Wilgrow" on the roses, too, and let you know the result. Yours truly,
November 12, 1910.

MRS. J. WILLIS MARTIN.

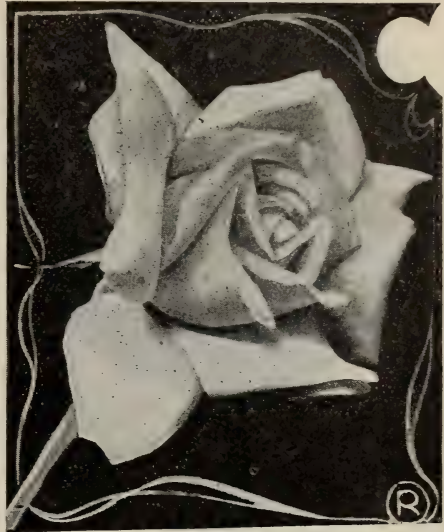
ROSES—Continued.

For General Price List, see pages 61 and 62.

White—Cream

Lightly Shaded, Pink or Cream.

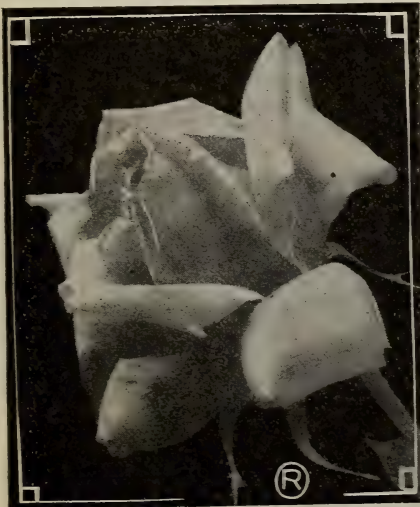
- HESSIE BROWN (H. T.)—Color white, sometimes faintly flushed pink; petals enormous and of shell shape.
- FLORENCE PEMBERTON.—Creamy white, suffused pink; the edge of the petals occasionally flushed peach; flowers very large and full, of perfect form; one of the finest roses. Price 50c
- KAISERIN AUGUSTA VICTORIA (H. T.)—A beautiful rose, with elegant, large, pointed buds, and very large, full double flowers; color delicate creamy white; deliciously fragrant. The plant is a strong, healthy grower and constant bloomer; one of the choicest and most trustworthy garden roses; very popular. (See cut.)
- MISS KATE MOULTON (H. T.)—Beautiful salmon-peach pink, delicately shaded; buds long and pointed; foliage good; free bloomer.
- MADAM DE WATTEVILLE (T.)—A superb rose; splendid buds and large double flowers, creamy white; beautifully edged with rosy carmine.
- MARGARET DICKSON (H. P.)—Of magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.
- WHITE LA FRANCE (T.)—This magnificent Rose is white, tinted bluish; buds and flowers are extra large, very full and finely formed.
- WHITE MAMAN COCHET (T.)—The name describes this new Rose—pure white, grand substance; immense size, exquisitely fragrant and a free bloomer; buds long and pointed; very popular. (See cut.)
- VISCOUNTESS FOLKSTONE (H. T.)—Flowers borne on strong stems, with thick foliage; color delicately tinted flesh, almost white, with beautiful satin finish.



White Maman Cochet

Light Pink

- ADMIRAL DEWEY (H. T.)—Of large size and sterling merit. A sport of Mad. Caroline Testout, and superior to that sort in many ways. The ground color is a light flesh tint, almost white, suffused with a beautiful blush, deepening to a rosy blush in the center. Price 50c
- BELLE SIEBRECHT (H. T.)—A true, solid pink of the richest shade; a rare color; sweetly perfumed; large, beautifully formed, of long, tapering shape; when half-blown the petals reflex in a graceful manner.



Kaiserin Augusta Victoria

Pink—Continued

- BRIDESMAID (T.)—A fine, clear pink; good size and shape.
- CATHERINE MERMET (T.)—Valued highly for its beautiful buds; faultless in form and charming in every shade of color, from the purest silvery rose to the exquisite blend of yellow and rose.
- KILLARNEY (H. T.)—A strong, robust grower and abundant bloomer; both buds and flowers are large; color brilliant sparkling pink, and delightfully sweet; a great favorite wherever shown.
- LA DETROIT (H. T.)—A beautiful shell pink, shaded; a vivid rich color and fascinating; delightful tea fragrance. In form it is large, cup-shaped; petals shell-like; rich, glossy foliage; a rampant, vigorous grower, producing long shoots. Price 50c
- LA FRANCE (H. T.)—Perhaps no rose is better known or more highly valued than La France; both flowers and buds are of grand size; color a silvery pink; a general favorite.
- MADAME CAROLINE TESTOUT (H. T.)—Probably no rose stands higher in public estimation today than this elegant Rose. It is a better bloomer than the La France, more brilliant in color, and as good in other ways; the petals are large, and of elegant form; exquisitely edged and bordered with clear, silvery rose; both flowers and buds are extra large and of very elegant form; color is brilliant, satiny pink. We have 3 grades—25c, 35c 50c each
- MRS. JOHN LAING (H. P.)—Very free flowering, early and late; color a soft, delicate pink, with satiny tinge.
- SOUV. DE LA MALMAISON (T.)—This is undoubtedly one of the finest and most perfect Roses of this class; hardy and free blooming; of beautiful, clear flesh color, edges bluish; superb.

We Pack Carefully

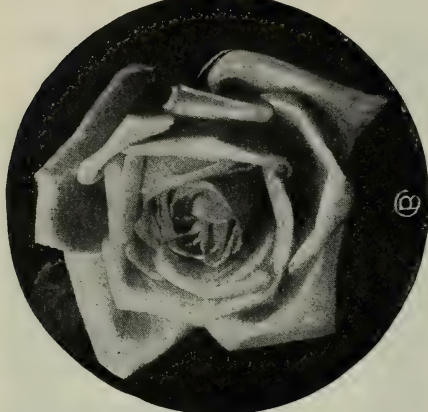
Routledge Seed & Floral Co. Eureka, Cal.
 Gentlemen: I have put off writing to you to acknowledge receipt of plants until I could make a full report.
 I bought two-year-old Rose Bushes of you at a time of year when I was doubtful if they would survive transplanting—July. All plants but one took the move without "turning a hair." One La France lost its leaves, but is now growing finely. You certainly know how to dig and pack stock. Yours truly,
 B. C. HARTSON.

Routledge Seed Co., Portland, Oregon.

Dear Sirs: I received my bulbs and shrubs. The bulbs are fine and my Caroline Testout Rose is a beauty. All came in good condition. Thanks for same. Yours very respectfully,
 MRS. ANGIE McCORD,

Baker City, Oregon.

General Price List of Rose Bushes, pages 61 and 62.



Madam Jules Grolez

Dark Pink or Rose

ANNA DE DIESBACH (H. P.).—Brilliant pink, shaded silvery white; long-pointed buds and large, finely formed flowers; extra fine.

BARONESS ROTHCHILD (H. P.).—Large size, fine globular form; color bright, rosy pink.

BON SILENE (H. P.).—The buds are very handsome and produced in great profusion; color dark, rosy carmine; a general favorite.

CAPTAIN CHRISTY (H. P.).—Color a lovely shade of pale peach; deepening at the center to a rosy pink.

DUCHESS DE BRABANT (T.).—Color a soft, rosy flesh, shaded amber and salmon; delightful tea scent; beautiful buds and flowers.

HERMOSA.—An excellent Rose; blooms in fine clusters; large, very double and fragrant; color beautiful clear rose; a constant bloomer; hardy.

MAD. JULES GROLEZ (H. T.).—One of the brightest and most pleasing Hybrid Tea Roses; an exceedingly free blooming variety, with very large, bright, finely formed flowers; worthy of a page description; color a distinct and charming shade of rosy pink. (See cut.) Price 50c

MAGNA CHARTA (H. P.).—Bright rosy pink; full, globular flowers; very large and double.

MAMAN COCHET (T.).—This is one of the most beautiful Tea Roses we list; extensively planted and very popular; the color is a deep, rosy pink, the inner side of petals silvery rose.

PAUL NEYRON (H. P.).—Deep, shining rose, double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence.

PRINCE OF BULGARIA.—New; a very vigorous grower, with large, bright green foliage, beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color, center of flower bright red, very fine and very free. Price 60c

Scarlet—Bright Red

AMERICAN BEAUTY (H. P.).—It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers; color rich, rosy red, shaded in the most charming manner.

AVOCA (H. T.).—Crimson scarlet, long-pointed bud; large flowers, sweetly perfumed; free blooming, vigorous; a superb rose. Price 75c

BEN CANT (H. T.).—Large, bold flowers, deep clear crimson.

GENERAL JACQUEMINOT (H. P.).—Bright, shining crimson scarlet; very rich and velvety; exceedingly brilliant and handsome; one of the best and most desirable for open ground.

GENERAL MacARTHUR (H. T.).—Color brilliant scarlet; one of the most fragrant of the June-scented roses and a true ever-bloomer; a perfect garden rose. Price 50c



Madam Caroline Testout

Scarlet—Continued

GRUSS AN TEPLITZ (H. P.).—Color fiery scarlet, with a dark, velvety sheen; very fragrant; the freest blooming rose in existence; the mass of color produced is wonderful.

LADY BATTERSEA (Red Niphetos) (H. T.).—Long, oval, pointed buds; the color is a bright, cherry crimson; an unusually showy variety. Price 50c

RHEA REID (H. T.).—A new Rose, highly spoken of; as large as American Beauty, as double as Bridesmaid, as fragrant as La France, as red as Richmond; certainly grand. Price 75c

RICHMOND (H. T.).—A splendid new American Rose of great merit; strong in growth; splendid foliage and long stems; color a magnificent, rich scarlet-crimson; the most vivid we have yet seen among ever-blooming roses; profuse bloomer.

ULRICH BRUNNER (H. P.).—This is really a magnificent rose; extra large, bold flowers, full and globular; petals large and of good substance; color rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer.

J. B. CLARKE (H. T.).—New Irish variety of great merit, either for garden decoration or for cut flowers. The color is bright scarlet; petals large, shell-shaped and of immense substance; flowers very large, full and perfectly formed; growth vigorous and free-branching habit; flowering freely and continuously from early in summer until late in autumn. Price 50c



La Detroit

Mail
Order
Size
See page
61 for
list and
prices.

ROSES—Continued

For General Price List, see pages 61 and 62.



My Maryland



Lyon Rose

St. Johns, Ore.
4-22-10.

Routledge Seed Co.
Gentlemen: The Trees and Roses I got from you in March are doing fine. Am much pleased with them. Respectfully,
J. CONTRERAS.

Hermiston, Ore.
4-22-10.

Gentlemen: Plants arrived this morning in excellent condition; such fine plants, too, and so many extra, for which I thank you most sincerely.
MRS. H. G. NEWPORT.

HAND SPRAYERS
AND SPRAYS FOR
ROSES. SEE INDEX.

Crimson—Deep Red

ETOIL DE FRANCE (H. T.).—Of vigorous, healthy growth; beautiful buds and flowers; full and fragrant; color rich, glowing crimson, shaded with vermilion.

GLOIRE DE MARGOTTIN (H. P.).—A good, healthy grower; flowers extremely brilliant, almost scarlet; live and lasting; large, full, globular, of good shape; pretty in bud, extremely beautiful.

HUGH DICKSON (H. P.).—Brilliant crimson, shaded scarlet; good size and fine form; petals slightly cupped and reflexed; highly perfumed. Price 50c

METEOR (T.).—Remarkably rich, dark, velvety crimson; it is a vigorous, bushy grower, with healthy, bright foliage.

LIBERTY (H. T.).—Color rich, fiery ruby, shaded deep crimson; fragrance exquisite; without doubt one of the finest ever-blooming roses in existence.

Dark Red

BARON DE BONSTETTIN (H. P.).—Splendid, large flowers, very double and full; rich, dark red, passing to deep dark, velvety maroon.

BLACK PRINCE (H. P.).—Splendid dark crimson flowers, almost black; cupped, large, full, fine shape.

HELEN GOULD (H. T.).—Flowers very large and full; produced in wonderful profusion; color bright, glowing crimson, of a most beautiful shade.

PRINCE CAMILE DE ROHAN (H. P.).—Very dark, rich, velvety crimson, passing to intense maroon, shaded black; one of the darkest roses and very handsome.

Distinct Shades

BETTY (H. T.).—Introduced by Messrs. Dickson & Sons, Belfast, Ireland, and regarded by them as the grandest of the many valuable and new roses of merit which they have originated; a robust grower and of a unique color, being of a ruddy gold, overspread with golden yellow; deliciously perfumed; large and of glorious form; blooms continuously. Price 75c

DEAN HOLE.—An exquisitely beautiful Rose of bright carmine pink color, with silvery shadings and with the grandeur of American Beauty in form and foliage; a fine grower, free in bloom; extra fine. Each 60c

Distinct Shades—Contd.

HOMER (T.).—Beautiful folded buds of a light rose color; often peculiarly shaded with white.

LYON ROSE.—The flowers are of a superb shrimp pink color, with salmon and chrome yellow shadings, beautiful beyond description; large buds, magnificently formed; petals elegantly formed and large; flowers full, very large and on stiff stems. BOUND to become one of the best-known varieties. Price \$1.00

MY MARYLAND (H. T.).—This splendid American introduction is destined to become one of the most popular varieties in cultivation, being a dangerous rival of Killarney. The flowers are large, full and double, and perfectly formed. The color is a most distinct and beautiful salmon pink. One of the really great roses. Price 75c

PAPA GONTIER (T.).—Large and semi-double; a vivid cherry red color, shaded yellow; reverse of petals crimson; one of the very best.

RAINBOW (T.).—Deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful.

SOLEIL D'OR (Golden Sun) (H. T.).—Robust grower; buds of a lovely yellow hue; open flowers, varying from gold and orange-yellow to reddish-gold, and shaded with Nasturtium red; a beautiful color, but poor shaped flowers. Price 50c

SOUV. DE PRESIDENT CARNOT (H. T.).—Of extraordinary beauty, very large, full, deep and deliciously sweet; lovely shell pink, delicately tinted with golden fawn on rich, creamy white; superb. Price 40c

SOUV. DE PIERRE NOTTING.—Very large, perfectly full; of elegant form; has a beautiful, long bud; color orange yellow, bordered in carmine rose. Price 50c

WINNIE DAVIS.—A fine new American pedigree Rose, raised by a cross between the famous Kaiserine Augusta Victoria and Belle Siebrecht. Color, rich apricot pink, shaded to flesh at base of petals. Beautifully formed buds and flowers; very free in growth and bloom. One of the best for general cultivation. Each 50c

ANNA OLLIVER.—A strong, vigorous grower, succeeding in almost any situation; color lovely creamy blush, shaded with deep carmine; beautifully tinged and edged with silvery rose; very fragrant.

COQUETTE DE LYON (T.)—Lovely canary yellow; immense bloomer; elegant for bedding; one of the best bright yellow roses; blooms quickly and profusely the whole season.

GLOIRE LYONAISE (H. T.)—Color chamois yellow; deepest at the center, passing to creamy white; large, full, sweet and very distinct.

MADAME FRANCISCA KRUGER (T.)—It is closely allied to Catherine Mermet in everything save color, which is coppery yellow, deeply shaded; fine bud-producer.

MADAME HOSTE (T.)—Creamy yellow, with deep buff yellow center; very large and delicately sweet; a constant and profuse bloomer; one of the finest sorts in cultivation.

MARIE VAN HOUTTE (T.)—Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.

PERLE DES JARDINS (T.)—Beautiful rose; clear, golden yellow; entirely distinct from any other variety.

SAFRANO (T.)—Bright apricot yellow, tinged orange and fawn; valued highly for its beautiful buds; very profuse in bloom, and deliciously tea scented. Price 50c

SUNSET (T.)—This grand rose is a favorite wherever known; the color is a rich, golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.



Safrano.

Wichurian Roses

Memorial Rose

A low, trailing species, its stems creeping on the earth as closely as an ivy, and forming a dense mat of very dark green, lustrous foliage. It is a rapid grower and profuse bloomer; the flowers are single, perfectly hard and very desirable for creeping over walls or rockwork, or for covering unsightly places.

WHITE OR RED.

35c each; \$3.00 dozen

Rugosa Roses

These lovely Roses form sturdy bushes, 3 to 5 feet in height, covered with handsome, glossy green foliage and clusters of beautiful, fragrant single flowers. They bloom nearly the whole summer, and are equally as attractive during the autumn and winter when covered with their large, brilliant red seed pods. Of healthy, vigorous growth and not troubled with insects or fungus pests, and equally desirable alike as single specimens or for making a hedge.

WHITE OR RED.

35c each; \$3.00 dozen

Standard or Tree Roses.

Prices, \$1.00, \$1.50 and \$2.00 each, according to size of head.

Tree Roses are budded or grafted on hardy rose stocks, about four feet high. They soon make good-sized heads, forming a small tree, especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Not all varieties are obtainable, but order any color or variety you wish, and we will send it or give you as good a substitute in same color as possible.

Weeping Tree Roses

These are produced by budding the trailing varieties on four or five-foot standards. They are very showy and quite a novelty.

RED, YELLOW OR PINK.

\$1.50 to \$2.00 each

Moss Roses

Strong, vigorous growers, much admired for moss-covered buds; hardy; most varieties bloom but once in a season, but remain for a long time and very handsome. Price 35c each

CRESTED.—Deep pink buds, surrounded with mossy fringe; very beautiful and free from mildew.

BLANCHE MOREAU.—Best pure white.

CHAPEAU DE NAPOLEON.—A good red.



Tree Rose—Frau Karl Druschki.

This same bush had 120 open buds and flowers on at one time this year.

Routledge Seed & Floral Co.

Gentlemen: Your Rose Trees were very good. Will want some more soon. Yours truly,

R. BALDWIN, Astoria, Ore.

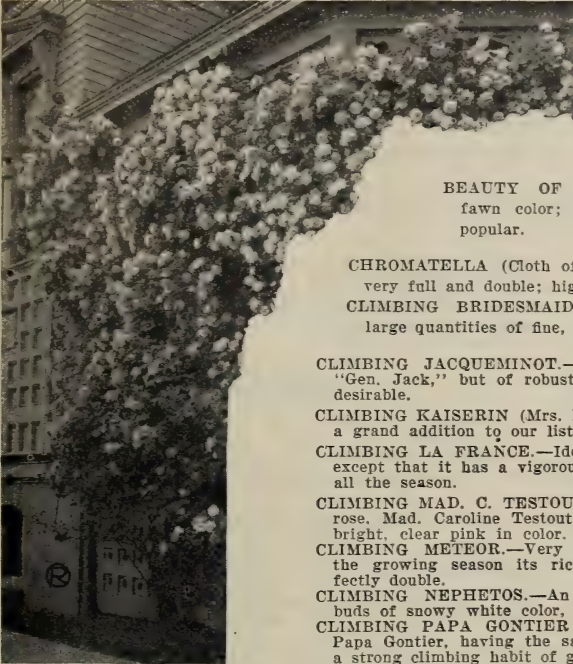
PLANT GLADIOLI.—Plant Gladioli Bulbs in the rose bed or hedge. You can get the separate colors to harmonize with the color of the rose. See page 47.

Every Home Garden Should Have a Few Small Fruit Bushes and Plants. Read Our Special Offer for Home Fruit Garden, page 70.

CLIMBING OR PILLAR ROSES

Prices all 35c each; \$1.75 per 6; \$3.00 per dozen, unless otherwise marked. Extra choice plants 50c each

For mass of blooms the Climbing Roses have no equal, and should be more generally planted



Climbing Testout

ARDS PILLAR.—Rich, velvety crimson, the perfection of an exhibition, garden and pillar rose; foliage attractive. The blooms are produced with great freedom, and are large, full and of cupped form. Price 60c

BEAUTY OF GLAZENWOOD.—Bronzed yellow and fawn color; very hardy and a free bloomer; very popular.

CHROMATELLA (Cloth of Gold).—A clear, golden yellow; large, very full and double; highly fragrant.

CLIMBING BRIDESMAID.—A rampant climber and producing large quantities of fine, large, dark pink flowers.

CLIMBING JACQUEMINOT.—Equal in every way to the popular "Gen. Jack," but of robust, climbing habit; foliage healthy; very desirable. Price 60c

CLIMBING KAISERIN (Mrs. Robt. Peary).—Flowers fine ivory white; a grand addition to our list of climbing roses.

CLIMBING LA FRANCE.—Identical with the well-known La France, except that it has a vigorous climbing habit, flowering continuously all the season.

CLIMBING MAD. C. TESTOUT.—An exact counterpart of that grand rose, Mad. Caroline Testout, except that it is a vigorous climber; bright, clear pink in color. (See cut.) Price 50c

CLIMBING METEOR.—Very free flowering, producing all through the growing season its rich, dark, velvety crimson flowers, perfectly double.

CLIMBING NEPHETOS.—An elegant rose, making immense, long buds of snowy white color, sometimes slightly tinged pale lemon.

CLIMBING PAPA GONTIER (T.).—Same as the old favorite bush Papa Gontier, having the same splendid, cherry red flowers but of a strong climbing habit of growth. Price 50c

GLOIRE DE DIJON.—Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream; a magnificent climber.

LA MARQUE.—Flowers of good size, borne in large clusters; color pure white.

MADAM ALFRED CARRIERE.—Extra large, full flowers; very double and sweet, and a most profuse bloomer; color rich, creamy white, faintly tinged pale yellow.

MARECHAL NEIL.—A magnificent, deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence. Price 50c to 75c

REINE MARIE HENRIETTE.—Vigorous grower; flowers large, full; color glowing crimson; elegantly shaded.

WILLIAM A. RICHARDSON.—Color rich, coppery yellow, flushed with carmine; a very beautiful variety, having few equals. Price 50c

CLIMBING WOOTTON.—A climbing variety of this fine red Rose that is bound to be very popular. It is a very strong, rapid grower, throwing long canes and bearing large clusters of true Woottons.

CLIMBING PERLE DES JARDINS.—Same as the grand old Perle des Jardins and equally good in every way, but of vigorous climbing habit; flowers golden yellow of immense size. Price 50c

CLIMBING SAFRANO (Solfaterre).—A strong climber; color orange yellow, or deep saffron; good size, full and sweet.

GAINSBOROUGH (Climbing Viscountess Folkstone).—For a hardy, ever-blooming climber, it has no equal, even eclipsing that grand variety, Mrs. Robert Peary. Its delicate colors are hard to describe, being delicately tinted flesh, almost white, and lustrous as satin. Price 60c

The Ramblers

Price, 1-year, mailing size, 10c each; 2-year, 25c; select, 35c to 50c.

CRIMSON RAMBLER.—A charming, hardy pillar rose. The flowers grow in great pyramidal panicles, each carrying 30 to 40 blooms; the flowers are 1 to 1½ inches in diameter, and remain in perfect condition on the plants for a long time; a bright, vivid crimson; a very vigorous grower.

DOROTHY PERKINS (New).—Beautiful shell pink; flowers in immense clusters; quite full and double; healthy and vigorous; of the Rambler type.

PHILADELPHIA RAMBLER.—An improved type of the old favorite Crimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double, borne in great profusion; much earlier than the old type; vigorous, luxuriant foliage, not susceptible to mildew.

WHITE RAMBLER.—Flowers pure white, sometimes faintly tinged blush; flowers borne in immense clusters; very vigorous.

PINK OR YELLOW RAMBLER.—Strong growers, profuse bloomers; true ramblers.

SUBSTITUTION

If the varieties of the roses ordered cannot be supplied or bought locally, others equally as good and correctly labeled will be substituted, unless otherwise ordered.

FRUIT TREES, BUSHES, VINES AND PLANTS

We are making a specialty of select fruit stock. This branch of our business has made immense growth. Our manager has been in this line of work in Oregon for over 15 years. Aside from large stocks grown for us on contract, we are in close touch with the largest, most reliable and careful growers. We know where the best stock is produced.

Our new manager of the Nursery Department has, up to July last, been actively engaged in growing, selling and buying fruits in Oregon and Washington for the past ten years, and knows "what's what."

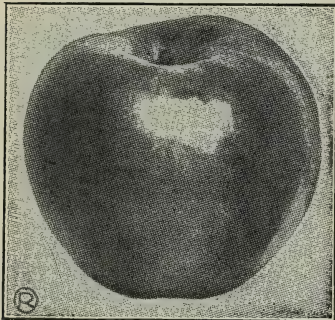
We are always glad to give you the benefit of our experience as to varieties for the different sections, planting, pruning, etc., and solicit your orders, whether large or small.

We again call your attention to the fact that we are catering to the "Particular Planter," who wants "High Quality," and is willing to pay a price necessary to secure it. Any sensible person knows that "Highest Quality" in stock of any kind is more expensive to produce than common, and therefore is worth more. Our prices are low, quality considered.

Low prices by the 100 or 1000—write, we'll save you money. Commercial planters often use smaller grades which we can sell very cheap.

SUBSTITUTION

If the varieties of the tree ordered cannot be supplied or bought locally, others equally as good and correctly labeled will be substituted, unless otherwise ordered.



NOTE.—On this and the following pages you will note that we give full description of only a few varieties under each heading. These, we believe, are the best for general or home planting, and you will not miss it by selecting them. We, however, can supply almost any variety grown, whether catalogued or not, so you can order any kind you want.

APPLES

Unless otherwise priced	Each	Doz.
Two-year-old	\$0.30	\$3.00
One-year-old, 4 to 6 feet.....	.25	2.50
Selected	35c to	.50

Write for our low prices by \$100 or \$1000

SUMMER VARIETIES

RED ASTRACHAN.—Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive.

YELLOW TRANSPARENT.—Medium size, roundish, slightly conical; skin pale yellow, flesh tender, juicy, sub-acid; good.

SUMMER PEARMAIN.—Skin red, spotted with yellow, and streaked with red; flesh tender, juicy and rich; August.

Golden Sweet.—Large, pale yellow; tender, rich. **Red June.**—Early, deep red; good; medium size.

TETOFKY.—Trees bear very young and every year; hardy as a crab; fruit good size; nearly round; yellow, beautifully striped with red; flesh white, juicy, pleasant, acid, aromatic; July and August. **Early Harvest.**—Medium size; bright straw color. **Duchess of Oldenburg.**—Large, yellow, streaked red.

AUTUMN VARIETIES

GRAVENSTEIN.—Large, beautiful yellow, dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous, very popular sort.

Fall Pippin.—Very large, yellowish green.

Famous (Snow Apple).—Greenish-yellow, streaks of red; medium size, and juicy.

Gloria Mundi.—Very large; greenish yellow; October.

RED BEITIGHEIMER.—Very large, roundish, inclined to conical; skin pale, cream color ground, mostly covered with purplish crimson; flesh firm, white, with brisk sub-acid flavor; a strong grower and heavy bearer.

Maiden's Blush.—Yellow, with red cheek; excellent. **Twenty Ounce.**—Large and showy; good.

Waxen.—Pale yellow; flesh crisp, tender; medium.

WINTER VARIETIES

BALDWIN.—Large, rounded; deep, bright red; very productive; one of the best and most popular winter apples.

BEN DAVIS.—Medium to large; yellowish, almost entirely overspread with two shades of red; flesh white, tender, juicy; pleasant sub-acid.

NORTHERN SPY.—Large, round, greenish-yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

ORTLEY (White Bellflower).—Fruit medium to large, yellow; sometimes with a sunny cheek; flesh white, fine-grained, tender, juicy, sub-acid.

SPITZENBERG.—Large, oblong; yellowish ground with broken stripes of bright red; flesh yellow, juicy with a delicious rich flavor.

Arkansas Black.—Dark maroon; long keeper; good. **Blue Pearmain.**—Dark purplish red; very large.

Grimes' Golden.—Of highest quality; large, yellow. **Gano.**—Form conical; deep red, shaded to mahogany.

Golden Russet.—Medium, dull russet; excellent. **King of the West.**—Yellowish-green; good quality.

Jonathan.—Yellow, covered with red stripes.

KING OF TOMKINS COUNTY.—Very large, globular; yellowish, shaded with red; flesh yellowish, rather coarse, juicy, rich flavor.

YELLOW BELLFLOWER.—Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley.

YELLOW NEWTOWN PIPPIN.—Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

Lawer (Delaware Red).—Large, dark red.

Mammoth Black Twig.—Very large, bright red.

Rhode Island Greening.—Greenish-yellow; large.

Rome Beauty.—Large, yellow, shaded bright red.

Roxbury Russet.—Dull green and russet; medium.

Stark.—Greenish-yellow; shaded red; good.

Tolman's Sweet.—Whitish-yellow, tinged red.

Wealthy.—Yellow, shaded with deep red.

Winesap.—Yellow ground, streaked with red.

Wolf River.—Greenish yellow, shaded red.

Yakima.—Large, bright red.

FOR NEW APPLES OF SPECIAL MERIT, SEE NEXT PAGE

SPRAY PUMPS

Every fruitgrower needs a Spray Pump. We have an excellent line that we'll guarantee to give satisfaction. See pages 91 and 92.

APPLES, NEW—Continued

NEW APPLES OF SPECIAL MERIT

DELICIOUS.—Still comparatively scarce, is becoming well known as a market variety. Brilliant dark red, with gold near blossom end, large size, fine quality; tree very hardy and good grower.
50c each; selected \$1.00

OPALESCENT.—Probably the handsomest apple ever introduced; color red; skin smooth; flesh yellowish, tender, juicy and good; a beauty; all right for size, quality and productiveness.
50c each; selected \$1.00

WINTER BANANA.—Winter; yellow; bluish cheek; sub-acid; medium size; a good keeper; a handsome apple; fine flavor, tender and delicious.
50c each; selected \$1.00

WINTERSTEIN.—A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid; highest quality, with a flavor all its own. Originated by Luther Burbank, of California. Should be planted by every one desiring fruit of high quality.
50c each; selected \$1.00

CRAB APPLES

Nice stocky trees, selected, 50c each; 2-year 40c; 1-year 25c

TRANSCENDENT.—Fruit very large, skin yellow, striped with red; the best of its class for cider.
Yellow Siberian.—Fruit small, golden yellow.

FLORENCE.—Size medium, red striped, early bearer; bearing full crop each year; tree immensely productive; juicy and crisp; the best for home garden.
Hyslop.—Large, dark crimson; popular.

APRICOTS

Unless otherwise priced	Each	12
2-year-old	\$0.40	\$3.75
1-year-old, 4 to 6 feet.....	.25	2.75
Selected .....	.50	

MOORPARK.—Very large, yellowish-green; brownish-red on the sunny side; flesh bright orange; fine for canning and drying; freestone.

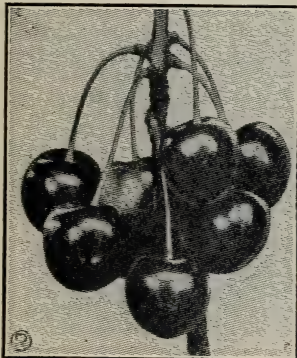
Royal.—Above medium size; sweet, rich and juicy.
Tilton.—Large, rich color, high flavor; very productive.

LEWIS.—One of the largest apricots known; handsome in appearance; flavor excellent. If you have room for only one apricot tree, plant the Lewis.
Price, 1-year 75c; 2-year \$1.00

CHERRIES

Unless otherwise priced	Each	Doz.
Two years old	\$0.50	\$5.50
One year old, 4 to 6 feet.....	.45	5.00
One year old, 3 to 4 feet.....	.40	4.25
Selected .....	.75c	1.00

Write for our low prices by \$100 or \$1000



BING.—Originated in Oregon; fruit large, dark brown or black; very fine; late; a good shipping variety.

BLACK TARTARIAN.—Of large size; flesh purple, half-tender and juicy.

BLACK REPUBLICAN (Lewelling).—Seedling, raised by Seth Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late, and a good shipper.

ENGLISH MORELLO.—Medium to large; blackish red; rich, acid, juicy and good; very productive; August.

MILLERS LATE.—This new Cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable.

OREGON.—Large, black, solid, free, vigorous and productive; a fine shipper.

ROYAL ANN (Napoleon Bigarreau).—A magnificent Cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer.

KENTISH (Early Richmond).—Light red, juicy; one of the best acid cherries, and unsurpassed for cooking purposes; very productive.

LATE DUKE.—Large, light red; late and excellent; sub-acid.

LAMBERT.—Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann.

MAY DUKE.—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

NEW GIANT—Originator's Own True Stock

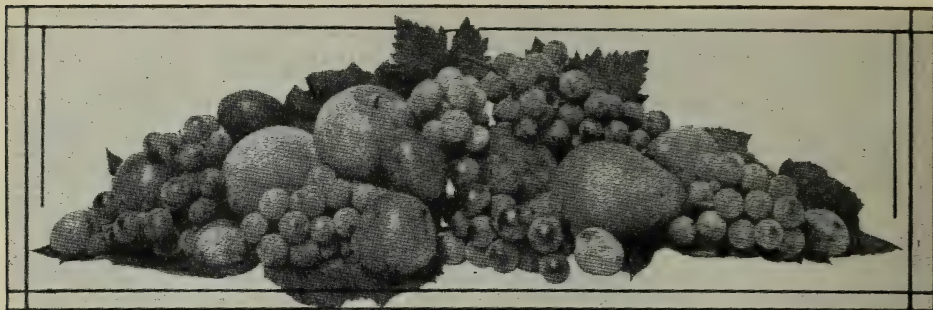
Largest Cherry introduced to date. Creates a sensation wherever seen. One Cherry will cover a silver half-dollar. Ten in a row will cover a foot rule.

No one could wish for a finer flavored Cherry. It is a most desirable variety for all purposes. Fruit extra large, flesh rich, dark red, firm, yet juicy and delicious. Ripens after the Lambert. On account of its lateness, it generally escapes the late spring rains that often injure the other main crop varieties. If you can only plant one Cherry Tree, plant a Giant.

We have bought all of the one, two, three and four-year trees of this grand new Cherry that the propagator, Mr. Kallish, has, and made arrangements for his future stock, so if you want the True, Genuine, New Giant, order direct from us. Each tree will be tagged with a printed label, New Giant, on one side and our name on the back. Always demand it. This will protect you from substitution. We offer the following sizes:

Prices—Selected budded trees, 1 year, 50c; 2-year, \$1.00; 3-year, \$1.50; limited number of 4-year specimens, \$2.50 each.

SAVE MONEY—Get your neighbor to order with you. You save freight charges, get the benefit of quantity prices, and we will give you regular agent's commission on the additional orders.



HOME FRUIT COLLECTION

We have decided to offer a Home Fruit Garden Collection at a special low price to introduce our stock and induce more Home Owners to plant Fruit. There are thousands of Suburban, Country and Mountain Homes that should Have a Fruit Garden. This collection of trees and plants can be properly set out around the average home. (We furnish directions.) Think of the nice, juicy, fresh fruit this collection will yield, from early Spring until Christmas, fruit every day for your table. Isn't that worth \$5.00?—less than two cents a day the first year, thereafter nothing but the care. If your ground is limited, the small plants, berries, etc., are to be planted between the trees. You do not have to wait two or three years, but get fruit the first season, and every season while you wait for Apples, Cherries and Pears to come into bearing. Should you sell your place at any time this choice fruit collection would add \$100 value to your place. "That's a fact."

WHAT YOU GET FOR \$5.00.

TEN FRUIT TREES, 36 BERRIES AND PLANTS. EACH TREE LABELED.

The collection consists of 2 APPLES, one Summer, one Winter; 2 CHERRIES, one sweet, one sour; 1 APRICOT, 1 PEAR, 1 PLUM, 1 PRUNE, 1 QUINCE, 1 PEACH, 6 GOOSEBERRIES; 6 CURRANTS, 2 MAMMOTH BLACKBERRIES, 2 GRAPES, 2 LOGANBERRIES, 2 PHENOMENAL BERRIES, 12 RASPBERRIES, 4 RHUBARB, and 50 STRAWBERRY PLANTS, all one year old, for \$5.00. Two-year-old stock, same collection, \$6.25.

FREE.—With each collection we make you a present of 50c to 75c worth of Flowering Bulbs, Shrubs or Roses (our selection).

NOTE.—We make selection of varieties; none but the best Western sorts put in. Your selection, as per catalog (except novelties), \$1.00 extra; but unless you are an expert and know just what is what, you better save the dollar and leave the selection to us. We will please you.

PEACHES

	Each	12
Two-year-old	\$0.40	\$4.00
1-year-old, 4 to 6 feet.....	.35	3.50
1-year-old, 3 to 4 feet.....	.30	3.00
Selected .....	.50	5.00

Write for our low prices by 100 or 1000.

EARLY CRAWFORD.—Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone.

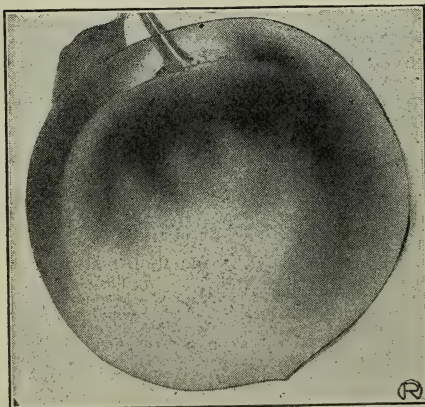
ALBERTA.—Very large, bright yellow, red cheek; flesh yellow, juicy, sweet; regular bearer; fruit very showy and perfect; freestone.

EARLY CHARLOTTE.—An improved seedling from Early Crawford, originated at Salem, Or. This remarkable Peach succeeds in Oregon, where many other varieties fail. Flesh yellow, melting and juicy, with a rich and excellent flavor; freestone; ripens ten days after Crawford's Early.

LATE CRAWFORD.—Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

MUIR.—Large, pale yellow, very firm and sweet; best for drying; freestone.

SALWAY.—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet; a standard late peach, growing more and more in favor with orchardists; freestone.



GOLDEN CLING.—Good size, round; skin yellow; flesh fine-grained, firm, rich and sugary; clear yellow to the pit, which is very small; clingstone.

HALE'S EARLY.—Medium; skin greenish, mottled with red; flesh white, juicy and sweet; semi-free-stone.

QUINCE

	Each	12
2-year-old	\$0.40	\$4.00
1-year-old .....	.35	3.50
Select, 2-year-old .....	.50c to .75	

CHAMPION.—Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the orange, ripening two weeks later.

ORANGE or APPLE.—Standard varieties.

PINEAPPLE.—The fruit in form and size resembles the Orange Quince, but is smoother and more globular. Makes a superior jelly. Can be eaten raw, and is said to cook as tender in five minutes as the best cooking apple, possessing a most exquisite and delicious flavor, not equaled by any other quince. Price, each 75c

PLUMS

Unless otherwise priced	Each	12
Two years old	\$0.25	\$2.75
One-year-old, 4 to 6 feet.....	.20	2.25
Selected .....	.35c to	.50

Write for our low prices by 100 or 1000

ABUNDANCE.—Fruit large and beautiful; bright cherry; flesh light yellow, juicy, tender, sweet; productive; ripens first of August.

BURBANK.—Largest and handsomest of the new plums; perfectly hardy, free from disease; juicy, tender and sweet; ripens early August; as fine eating as a peach; freestone; should be in every collection. Price 50c; selected 75c

BRADSHAW.—Reddish purple, juicy and pleasant; adheres partially to the stone. August.

COE'S GOLDEN DROP.—Large and handsome; light yellow; firm, rich, sweet; one of the best of late plums; last of September.

COLUMBIA.—Largest size, nearly globular; brownish purple; rich, sugary, freestone; August.

DAMSON.—Small, oval; skin purple; flesh melting, rather tart; September.

GREEN GAGE.—Small, round; flesh pale green, melting and juicy; freestone; August.

PEACH.—Very large; skin brownish red, slightly coarse-grained, but juicy; freestone; very popular; August.

YELLOW EGG.—Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy; August.

MAYNARD.—New; originated by Luther Burbank, that great master of modern horticulture. In size it is very large, often measuring 7½ inches in circumference; form nearly round, slightly flattened at the ends, of richest crimson-purple, deepening to royal damask as full ripeness is reached. Tree hardy, vigorous and compact grower; leaves dark glossy green; bears immense crops of even-sized fruit while very young; never falls; surpasses all other varieties in keeping and carrying qualities; flesh firm even when dead ripe, but melting and juicy with a deliciousness indescribable. Commands the highest price in home and foreign markets: August. Price 75c; selected \$1.00

REINE CLAUDE.—One of the best foreign varieties, and of fine flavor; roundish oval; greenish, marked with red in the sun; September.

WASHINGTON.—A large plum, skin dull yellow, with a pale crimson blush; flesh firm; very sweet and luscious; freestone; August.



PRUNES

Unless otherwise priced	Each	Doz.
Two years old	\$0.25	\$2.75
One year old, 4 to 6 feet.....	.20	2.25
Selected .....	.35c to	.50

Write for our low prices by 100 or 1000

GIANT.—New; of immense size, dark crimson on yellow ground; good yielder; flesh firm, rich, sweet, delicious; good shipper.

HUNGARIAN.—Very large, dark red; juicy and sweet.

ITALIAN (Fallenberg).—Medium, oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying.

PACIFIC.—Originated at Mt. Tabor, Oregon; hardy, abundant bearer; fruit freestone, very large and handsome; rich, sugary and luscious; a good shipper; the best of drying prunes.

TRAGEDY.—Medium size; skin dark purple; flesh yellowish green, very rich and sweet; a good shipper; freestone; July.

PETITE (French).—Small size, egg-shaped; violet purple; sweet, rich and sugary; very productive; standard for drying.

SUGAR.—Tree vigorous grower; early bearer; fruit ripens earlier than the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple; August.

SILVER.—Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent.

PEARS

Unless otherwise priced	Each	12
Two years old	\$0.50	\$5.50
One year old, 4 to 6 feet.....	.40	4.25
Selected .....	.60c to	.75

Write for our low prices by 100 or 1000

SUMMER VARIETIES

BARTLETT.—Large, skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence.

Clapp's Favorite.—Fine-grained and melting.

KOONCE.—One of the most successful early market pears; a strong, upright grower; hardy, magnificent foliage; has produced crops when all other varieties were killed by frost; fruit medium, yellow, with

carmine cheek; juicy, spicy, sweet and delicious quality; ripens with the earliest; an excellent shipper; it comes into bearing young; July and August.

SECKEL.—Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequalled; skin brownish green, russet brown cheek; flesh whitish, buttery and melting.

Madeline.—Melting and juicy; very early.

PEARS—Continued

AUTUMN AND WINTER VARIETIES

BEURRE CLAIRGEAU.—Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy; October-November.

BEURRE D'ANJOU.—A large, fine pear, buttery and melting, with sprightly, vinous flavor; tree a fine grower and good bearer; one of the very best; October to January.

BEURRE BOSCH.—A large and beautiful russeted pear; very distinct, with a long neck; highly flavored and delicious; a moderate grower and rather irregular; bears well; top graft in order to obtain good, standard trees; September and October.

BEURRE EASTER.—Large, yellowish; flesh white, fine-grained, juicy; sweet, rich flavor.

COMICE.—A splendid commercial variety, being of fine size; good appearance; ships well.

FALL BUTTER.—Favorite fall pear; yellow, smooth and juicy.

KEIFFER'S HYBRID.—Large, rich golden yellow; often tinted with red on one side; flesh slightly coarse, juicy, with a pronounced quince flavor; early bearer; prolific.

HOWELL.—Large, waxen yellow, red cheek; handsome, rich, sweet, melting, perfumed aromatic flavor; tree an upright, free grower, an early and profuse bearer; very hardy and valuable; September and October.

WINTER BARTLETT.—Originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; tender, juicy and melting, and with a most pleasing flavor.

Price, Selected 75c to \$1.00

WINTER NELLIS.—Medium; skin yellowish-green, dotted with gray russet; flesh yellowish-white; fine-grained and abounding with juice of a rich saccharine, aromatic flavor; especially adapted to this valley, producing large crops every year; an excellent shipper and good keeper.

Wilbur, Oregon, April 20, 1910.

Routledge Seed & Floral Co., Portland, Ore.
Gentlemen: The shipment of trees, shrubs, seeds, etc., arrived promptly and in fine condition. Yours truly,
C. A. SAWYER.



CURRENTS

Low prices by the thousand

Unless otherwise priced	Each	12	100
Two years old	\$0.15	\$1.50	\$10.00
One year old .....	.10	1.00	6.00
Extra large selected bushes .....	.25	2.50	

One-year-old Currants sent by mail or express, prepaid for 5c each, or 25c per dozen extra.

PERFECTION.—New; a late introduction of great merit. Our grower says: "You cannot say too much about the good qualities of this grand new sort." So, whether you plant ten or a hundred, plant a good proportion of Perfections, which is the largest, most productive, finest-flavored (rich, mild, sub-acid; plenty of pulp; few seeds), healthy, bright red currant to date.

1 year, each 25c; per dozen \$2.50; per 100, \$15.00
2 year, each 50c; per dozen \$4.00; per 100 \$20.00

BLACK NAPLES.—Very large, black; valuable for jams and jellies.

CHERRY.—Large, deep red; rather acid; fine for preserving; valuable market variety.

FAY'S PROLIFIC.—A new Currant, larger than the Cherry; has less acid, and is more prolific.

WHITE GRAPE.—Large, yellowish white, valuable for the table; the finest of the white sorts.

RED CROSS.—A new red Currant of large size and superior quality; exceedingly vigorous and productive, with long fruit stems.

GOOSEBERRIES

Write for our low price per thousand

Unless otherwise priced	Each	12	100
Two years old	\$0.12	\$1.25	\$8.00
One year old .....	.10	1.00	6.00
Large selected bushes .....	.15	1.50	

One-year bushes by mail or express, prepaid, 5c each; 25c dozen extra

HOUGHTON.—Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

OREGON CHAMPION.—Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular and best commercial variety. Write for prices by the thousand.

RED JACKET (Josselyn).—Of large size, smooth, prolific and hardy; of best quality; a wonderful crop, with bright, clean, healthy foliage.

Prices, 1-year each 25c; per dozen \$2.50
Prices, 2-year each 30c; per dozen \$3.00

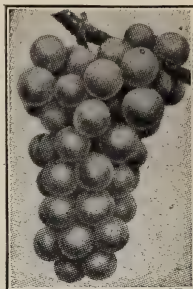
INDUSTRY.—Large, oval; dark red, hairy, rich and agreeable; vigorous and productive.

Prices, 1-year each 25c; per dozen \$2.50
Prices, 2-year each 30c; per dozen \$3.00

Every Home Garden Should Have a Few Small Fruit Bushes and Plants. Get busy, read about our Home Fruit Garden, page 70.

GRAPES

Unless otherwise priced	Each	12	100
Two years old	\$0.20	\$2.00	\$10.00
One year old .....	.15	1.50	8.00
Extra large and strong roots.....	.25 to	.35	
One-year grapes by mail each 5c; per dozen 35c extra.			
If wanted in larger numbers, write for prices.			



McKINLEY.—A new early white grape of great merit; a strong, vigorous grower; thick, healthy foliage, and perfect self-fertilizing blossoms; bunches large and compact; fruit large, nearly round; very sweet, with no acid round the seeds, and no puckery taste in the skin; skin thin, green at first, then turning to yellow; bears handling and shipping well. Price, 1 year, 25c; 2 year 35c

McPIKE.—New. Perfectly hardy, earlier than the Concord; bunches large, even and compact, berries even in size, covered with a beautiful bloom, blue-black in color; ripens uniformly; are of mammoth size, rivaling Black Hamburg, and of superb quality. Price, 1 year 25c, 2 years, 35c

CAMPBELL'S EARLY.—Clusters large and handsome; berries large, round, black, with purplish bloom; flesh firm but tender; seeds few and easily separated from the pulp; flavor rich, sweet and slightly vinous. A strong and vigorous grower and ripens its fruit early. Berries do not drop from the clusters, and fruit keeps a long time in perfection. Price, 1 year, 25c each, \$2.50 doz.; 2 years 35c each; \$3.00 doz.

CONCORD.—Large, black grape, bunches compact, berries round, sweet and pleasant; very popular.

DELAWARE.—Best of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red.

THOMPSON'S SEEDLESS.—New. The best seedless grape to date; berry large, oblong and of superior quality; greenish-yellow; good grower and producer. Price 35c each

MOORE'S DIAMOND.—Bunches large; berry greenish-white; flesh juicy and almost without pulp.

MOORE'S EARLY.—Bunch medium; berry large, resembling Concord, but more pulp, and is earlier.

NIAGARA.—Berry large, pale yellow; flesh tender and sweet; productive; one of the best white grapes.

WORDEN.—Bunch very large and compact; berry large, black; an improved Concord.

OTHER GRAPES

FLAME TOKAY (R).—Bunches very large and moderately compact; berries large; skin thick, pale red, covered with bloom; flesh firm, sweet; an old standard variety, always commands a good price in the Eastern markets, and as a table grape is more extensively planted than any other variety.

BLACK HAMBURG (B).—A fine, tender grape, producing large, magnificent, compact bunches; berries black, very large and oblong. A great favorite everywhere, especially for table.

MUSCAT (OF ALEXANDRIA).—Bunches large, long and loose; berries large, slightly oval, pale amber when ripe, covered with a thin, white bloom; flesh

to list all the varieties of grapes grown on this Coast, especially in California. We list the most popular hardy sorts for general use.

firm, brittle, exceedingly sweet and rich; fine flavored; the variety most extensively planted for raisins.

WHITE SWEETWATER.—Chasselas de Fontainebleau (W).—Bunches large and compact; berries medium size, round; skin thin, transparent, greenish-yellow; pulp tender, juicy, sweet and richly flavored. One of the best early Grapes.

SEEDLESS SULTANA (W).—Small, white Grape, turning to amber; clusters large. It makes a fine raisin for culinary purposes; at the same time it is a fine wine grape. It is the only grape we know of that is good for both raisins and wine.

RASPBERRIES

	Each	12	100
Two years old	\$0.03	\$0.75	\$6.00
Two years old	\$0.03	\$0.75	\$6.00
One year by mail or express, prepaid, 5c each, 25c dozen extra.			
Very low prices by the 1000.			

RED CAPS

SUPERLATIVE.—New. See next page.

CUTHBERT.—Berries very large, deep rich crimson; good for shipping; the most popular of all raspberries; stands the sun and heat well.

MARLBORO.—Very large and early; beautiful, bright scarlet; good quality; hardy and productive.

RED ANTWERP.—Earlier and about the size of the Cuthbert; rich flavor; bright red, and a good market or home berry for this climate.

BLACK CAPS

GREGG.—Of good size, fine quality; very productive and hardy. It takes the same position among Black Caps as Cuthbert among the red sorts.

KANSAS.—Strong, vigorous growers, standing extremes of drought and cold, and bearing immense crops; early; berries size of Gregg; of better color;

jet black and almost free from bloom; firm, of best quality.

MUNGER.—Better flavored berry than Gregg, tougher in texture, better shipper; almost 25 per cent larger; fine for canning and evaporating. In seasons when most others are dry and seedy, Munger ripens up sweet and juicy.

Price, 1-year 10c each, 75c dozen, \$6.00 per 100. 2-year 15c each, \$1.00 dozen, \$7.00 per 100.

DEWBERRY

LUCRETIA.—A trailing variety of the blackberry, ripening between the raspberry and the blackberry; fruit large, handsome, sweet and luscious. Price, each 15c; per 12 \$1.50, postpaid. By express or freight, \$1.00 per 12; \$7.50 per 100.

WE WANT THE TRADE OF PARTICULAR PLANTERS, THOSE WHO WANT SUPERIOR QUALITY. THAT'S WHY WE PROCURE THE BEST STOCKS OBTAINABLE FROM THE BEST FOREIGN AND AMERICAN GROWERS.

OUR HIGH QUALITY SEEDS, TREES AND PLANTS PLEASE

Mt. Vernon, Wash.

Routledge Seed & Floral Co.

Dear Sirs: The seeds, trees and bulbs received by us in the spring came promptly, in excellent condition, and proved very satisfactory. Respectfully yours,

A. B. TURNER.



PERSONAL—When testimonials are printed in catalogs without name and address of writers they don't sound good, eh?

Three Grand Garden Berries.

These are great berry producers, and very desirable

THE IMPROVED SUPERLATIVE RED RASPBERRY

A NEW BERRY OF GREAT MERIT. (See cut 2, one-half size)

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor makes the "Superlative" peerless among raspberries, and from the shipper's standpoint a most desirable berry, for it is firm, disease-resisting, and nearly a week earlier than the Cutbert in ripening.

Price, 15c each, \$1.50 dozen; \$10.00 per 100

BURBANK'S PHENOMENAL

A cross between the Dewberry and Raspberry. Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry and fine as a fresh table fruit. Easily grown, stands shipping well, and hardy everywhere. Some people have the mistaken idea that the Logan and Phenomenal are practically the same berry, but they are not. The latter will certainly be the most popular as it becomes better known.

Prices: Two years old 25c each, \$2.00 per 12, postpaid; by express or freight, \$2.00 per 12, \$15.00 per 100
One year old (tips), each 15c, \$1.25 per 12, postpaid; by express or freight \$1.00 per 12, \$7.50 per 100

NEW MAMMOTH BLACKBERRY.

A grand addition to the list of Blackberries. The handsome, large, juicy berries are delicious. It is a rampant grower, of trailing habit; the foliage is large, thick, of a deep green color. It is enormously productive, and exceedingly early, ripening three weeks before other cultivated kinds, thus bringing fancy prices. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. See cut (1).

Prices: Two years old 25c each, \$2.50 per 12, postpaid; by freight or express \$2.25 per 12, \$15.00 per 100.
One year old (tips), 20c each, \$1.50 per 12, postpaid; by express or freight, \$1.25 per 12, \$8.00 per 100

BLACKBERRIES

Unless otherwise priced	Each	12	100
One year	\$0.08	\$0.75	\$5.00
Two year .....	.10	1.00	8.00
One year by mail or express, postpaid, 5c each, 30 dozen extra.			

KITTATINNY.—Large, roundish, conical, glossy black, juicy, sweet; excellent when fully ripe.

LAWTON.—Fruit large; very productive; well and favorably known; Oregon's most popular kind.

ELDORADO.—New. Very vigorous and hardy; yield is enormous; berries large, jet black, borne in large clusters, and ripen well together; sweet, melting and pleasing to the taste; no core, and keep eight or ten days after picking with quality unimpaired.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

EVERGREEN.—Introduced from Oregon; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November; a fine berry for family use.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

HIMALAYA GIANT.—A new grand variety; an exceedingly strong, rampant grower of a trailing nature; a heavy cropper; the berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep-rooting qualities enable it to produce a large, firm berry even in a very dry season.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

LOGANBERRY

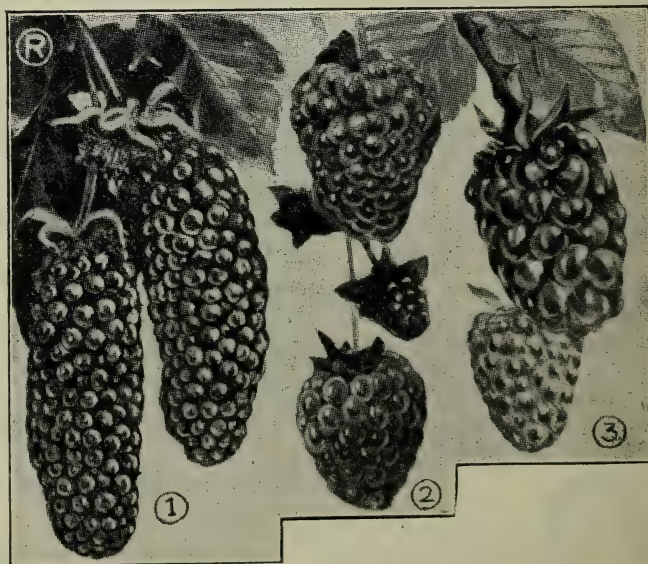
Raspberry-Blackberry

This comparatively new berry is becoming more popular each year. An exceedingly strong grower and an enormous bearer. The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red, and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry; a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone; fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed, and for jelly or jam is without an equal. See cut (3).

Prices, two-year-old 20c each, postpaid; by express or freight \$1.50 per 12, \$10.00 per 100.

One-year-old (tips) 15c each, postpaid; by express or freight \$1.25 per 12; \$7.00 per 100.

We have very low prices by the thousand. Write.



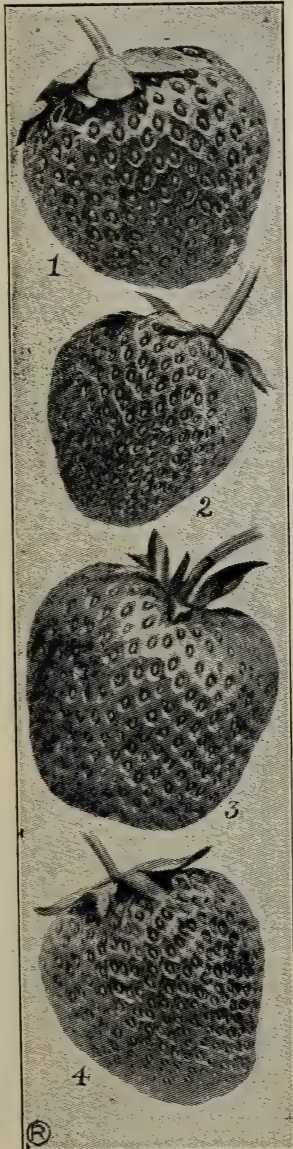
1. Mammoth Blackberry. 2. Superlative Raspberry. 3. Logan.

BY THE THOUSAND

We have very low prices on above berry plants by the thousand. Always write before buying elsewhere.

STRAWBERRIES

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 O. K.



FROM PHOTOGRAPH
 No. 1. Multnomah—1909
 No. 2. Gold Dollar—1906
 No. 3. New Oregon—1903
 No. 4. Marshall

MULTNOMAH—“THE CHIEF”

We introduced this most valuable new berry in 1909, after three years' careful selecting, growing and testing, as the Best Extra Early Strawberry. We have tested it alongside of all others grown in this locality; therefore it must be good, for we already have some very fine ones. The new MULTNOMAH produces immense crops of large, fine-flavored, solid, deep red berries; no white tips and very few small ones. A strong, healthy grower, good keeper and shipper, remaining in prime condition, either on or off the vines, for days. Fine shape (see cut); flower perfect. MULTNOMAH is the most delicious berry we ever had on our table, and it is also a good canning sort. MULTNOMAH has already made a fine record wherever grown. It is a wonderfully good shipper. One of the California Fruit Growers' Association that tested the MULTNOMAH ordered nearly all the plants we grew this season—\$20.00 a thousand straight. They claim it is by far the best and highest quality, long-distance shipping berry to date, far superior to the famous Clark's Seedling. Our stock of plants is limited this season.

GOLD DOLLAR

This is one of the earliest berries on the market. Fruit good, medium size, and dark red all through; rather tart; fine flavor; foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season. A very heavy cropper for so early a berry. There is money in Gold Dollars, and this year we can supply large quantities at special low prices.

NEW OREGON (IMPROVED)

This is 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 equaled. The “Oregon” ripens very early and continues in bearing until late in the season, a good second crop coming on about October. Very prolific and a heavy cropper.

MARSHALL.—One of the best all-round Strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness it is superior to the popular Magoon; excellent for table and canning, but not a long shipper.

MAGOON.—Berry large, fine and excellent; sub-acid flavor; bears heavily and throughout the season.

CLARK'S SEEDLING.—The berry that has made Hood River famous; best shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

WILSON.—A heavy bearer of fine, moderate-sized berries; sharp acid flavor; leading sort for canning.

Price List of Plants—	By mail, postpaid.		By express or freight.	
	Dozen	100	100	1000
Clark's Seedling	\$0.25	\$1.00	\$0.60	\$ 4.50
Multnomah	.50	2.50	2.00	.....
Gold Dollar	.40	1.25	.75	5.00
Magoon	.25	1.00	.60	4.50
Marshall	.35	1.25	.75	5.00
New Oregon (Improved)	.40	1.50	.75	5.00
Wilson	.25	1.00	.60	4.50

All our Strawberry plants packed in special strawberry crates holding 500 plants each.

Not less than 500 plants of a kind at 1000 rate. Special low prices on 3000 or more.

NOTICE.—EARLY PLANTS—From August 1st to Oct. 15th, we can supply strawberry plants, especially grown and garden cultivated, at 25c extra per doz., 50c extra per hundred, and \$2.50 extra per thousand. If you want plants before main crop is ready, add the extra cost to above prices.

DON'T

be misled by the fine catalogs sent out from the East. Buy Western grown plants and Western varieties, better berries than ever grew in the East. You know it!

VEGETABLE ROOTS, ETC.

ASPARAGUS

One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured. Set plants 18 inches apart, in rows 3 feet apart.

One year old plants, postpaid, dozen 25c; 50, 75c; 100, \$1.00
 By express or freight, dozen 20c; 50, 50c; 100, 75c; 1000, \$6.00
 Two-year-old plants, postpaid, dozen 40c; 50, \$1.00; 100, \$1.50
 By express or freight, dozen 25c; 50, 75c; 100, \$1.00; 1000, \$8.00



Buy Roots
and save
2 to 3
years

Asparagus

HOP VINES

English Cluster (the best sort).—Strong roots, postpaid, 5c each, 40c per dozen. By express 25c, per dozen, \$1.50 per 100. Low prices by the thousand



HORSE-RADISH

This useful condiment is easily grown, and prefers a rich, moist loam. Plant in rows 18 inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Postpaid 5c each, 40c per dozen
 By express or freight, 25c per dozen, \$1.50 per 100. Low prices by the thousand

RHUBARB OR PIE PLANT

(WINE PLANT)

Set roots 3 feet apart in rows 4 feet apart, in the richest ground you have or can prepare.

RHUBARB ROOTS

Varieties—Mammoth, Giant and Linnaeus

One-year-old roots, postpaid, each 8c; dozen 75c. By express or freight, dozen 50; 100 \$3.00.
 Two-year-old roots, postpaid, each 15c; dozen \$1.50. By express or freight, dozen 85c; 100 \$6.00.
 If wanted in larger quantities, write for special prices.

EVERBEARING CRIMSON WINTER

Very Early, Prolific, Vigorous

This new variety has created a great sensation and proved to be very valuable, especially in California. We believe it will grow anywhere equally as good as the common sorts, but to obtain its highest state of perfection and yield, it should be planted in a warm location, where it will produce, it is claimed as much as \$2,000 per acre. The new Crimson Winter Rhubarb will produce marketable stock abundantly fully six months earlier than any other rhubarb. The stalks are of medium size, a brilliant crimson and of the very best quality. If kept moist it will produce stalks abundantly at any season. It is, in fact, absolutely perpetual.
 Price, small roots 25c each, \$2.50 dozen, postpaid. By express or freight, \$2.00 dozen, \$15.00 per 100.

VEGETABLE PLANTS

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 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 good substitute.

Let us have your orders early and we will ship them later, or as requested.
 No plants sent C. O. D.

	Postpaid		By express	
	Dozen	100	100	1000
Cabbage.				
Early or late kinds, transplanted.....	\$0.20	\$1.00	\$7.50	
Not transplanted .....		.60	5.00	
Add 25c per 100 for Cabbage Plants by mail.				

	Postpaid		By express	
	Dozen	100	100	1000
Cauliflower.				
Early Snowball, transplanted....	.30	1.50	12.00	
New Wonder, transplanted.....	.30	1.25	10.00	
Late kinds, transplanted.....	.30	1.25	10.00	
Late kinds, not transplanted.....	.25	1.00	7.50	
Add 25c per 100 for Cauliflower Plants by mail.				

	Postpaid		By express	
	Dozen	100	100	1000
Celery.				
Leading kinds, transplanted.....	.25	1.00	7.50	
Not transplanted .....		.75	6.00	
Add 25c per 100 for Celery Plants by mail.				

	Postpaid		By express	
	Dozen	100	1000	
Tomatoes.				
Leading kinds, transplanted.....	\$.35	\$1.25	\$10.00	
Not transplanted .....		.75	7.00	
Pot-grown, strong sturdy plants. .10	1.00	7.50		
Add 40c per 100 for Tomato Plants by mail.				

MISCELLANEOUS PLANTS

All Transplanted

	Postpaid		By express	
	Dozen	100	1000	
Broccoli	\$.25	\$1.00	\$7.00	
Brussels Sprouts .....	.25	.75	6.00	
Celeriac .....	.25	.75	6.00	
Egg Plant .....	.30	1.00	7.00	
Pepper .....	.30	1.00	7.00	
Sweet Potato Plants .....	.30	1.00	7.00	
Tobacco .....	.30	1.00	7.00	

Add 25c per 100 for above plants by mail.
 Chives (Schnittlauch). Per bunch 25c

You will note we have revised our prices—we don't care to sell the cheap grade of plants. We pay our grower as much as some others sell for at retail because we want to supply you with better plants—"Highest Quality."

SHADE, NUT AND ORNAMENTAL TREES AND SHRUBS



HARDY FLOWERING SHRUBS.—There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements, which increase in size, value and beauty year after year.

SPECIAL SERVICE

Space in this catalog will not permit us to illustrate and describe the following stocks as we would like to, but if you live in the vicinity of Portland or some town where we have an experienced salesman, we will gladly have him call on you. Our salesmen carry handsomely colored plate books and photographs of all our leading stocks. These books are very interesting, and we would like to show them to you if possible. Write to us; we may have a salesman your way soon, and he will not only "show you," but you will get the benefit of his experience as to what is best to plant, and where or what ground to plant it on. Let us talk to you by letter, anyway. Write us.

LANDSCAPE ARCHITECTS AND GARDENERS

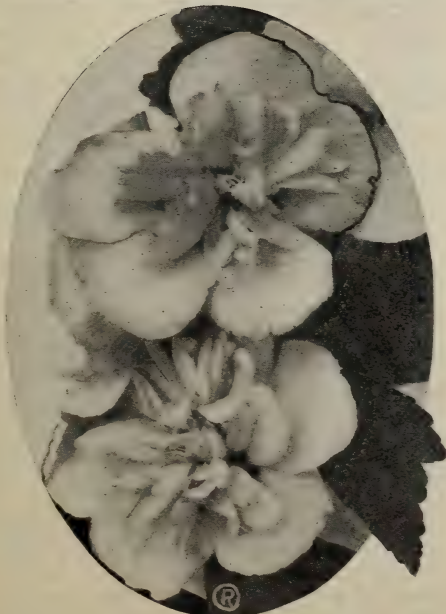
We are in close touch with the best landscape architects and gardeners in the West, and no matter how small or how elaborate a garden, lawn or park you want laid out, we will put you in touch with an artist equal to the occasion, if you give us an idea of what you want. This is free service to our customers. You make your own arrangements with the person sent, as to plans, labor, etc.

FOR YOUR GUIDANCE

To make it more convenient for the average person to find certain stocks, we will list in alphabetical order all Shade, Nut and Ornamental Trees and Shrubs (climbing plants excepted), and use the following letters after the name to classify them.

D—Deciduous—Trees and Shrubs that drop their foliage in fall and winter

E—Evergreens—These retain their foliage year around



Althea (Rose of Sharon) Flower

ACER.—See Maples.

ACUBA (E).

Japonica.—Beautiful, broad leaved evergreen, with leaves speckled and striped golden yellow; elegant shrub for specimen on the lawn or for planting among other shrubbery; bears bright red berries in winter time. \$1.25 to \$3.00

ALMOND (D)—Nut Bearing.—Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties at price listed. Special prices on large orders. Select Trees 4 to 6 feet, each 50c to 75c
I. X. L.—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial sort.

Hard Shell.—A fine, hardy variety; with large, plump kernel of good quality.

ALMOND (Flowering.)—Beautiful shrub, bearing in May, before the leaves appear, double, rose-like flowers.

Double Red or White.—3 to 4 feet. Each 50c to 75c

ALTHEA (D)—Rose of Sharon.—These beautiful shrubs bloom very freely in August and September, when few other shrubs are in bloom, and, being easily cared for, are worthy of a place in every garden. Our collection comprises double varieties. Purple, Pink and White.—3 to 4 feet. Each 60c to 75c

ARBOR VITAE (Thuja).

Pyramidal.—A most valuable upright evergreen of Each \$1.00 to \$3.50

Chinese Golden.—A low, compact shrub of a beautiful golden yellow. 1 foot up \$1.00 to \$3.00

ARAUCARIA, IMBRICATA (E).

Chile Pine, or Monkey Tree.—Very rare and beautiful, pointed, needle-like leaves.

1 foot up, \$1.50 to \$2.50

Araucaria Excelsa.—See page 55.

AZALEA (D).

Mollis.—The most gorgeous of all hardy shrubs.

The blossoms, which vary in color from intense crimson to lemon yellow, are borne in greatest profusion in early spring, before the leaves appear. It makes a compact, symmetrical shrub.

White, Yellow, Orange or Red, each \$1.00 to \$2.00

A. Crimson.—A hardy evergreen species. These are contrasted with plants of lighter foliage. dazzling in their brilliancy. Each \$1.00 to \$1.50

BAMBOO (E).

A very ornamental Oriental plant. We import a fine collection of Bamboo from Japan.

Clump, 3 to 4 feet, each 75c to \$1.50
For "Grasses" and Reeds, see page 59.

BERBERIS—D—(Barberry),

The Barberry is an interesting family of shrubs, varying in size from 3 to 6 feet and having graceful, feathery foliage. Its showy flowers in early summer are succeeded by bright-colored fruit, which is very conspicuous in autumn and early winter.

Thunbergii.—A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in autumn. Very desirable for grouping. Fine for hedge. Each 50c to 75c

Vulgaris (Common European).—Yellow flowers in drooping racemes in early summer, followed in autumn by orange-scarlet fruit. Each 50c to 75c

Vulgaris Purpurea (Purple).—Violet-colored foliage and fruit; rich-looking and very effective when contrasted with plants of lighter foliage. Each 50c to 75c

BEECH (D)—Fagus.

Purple Leaved.—Foliage is deep purple in the spring, changing to crimson in the fall.

3 to 6 feet, each \$1.50 to \$3.00 and up

Weeping (Purpurea Pendula).—One of the most beautiful and ornamental weeping trees. Each \$2.00 to \$3.00

BIRCH (D)—Betula.

Remarkable for its elegance; very graceful, with silvery bark and slender branches.

European White. 6 to 8 feet, each 75c to \$1.00; 8 to 10 feet, each \$1.00 to \$2.00

Weeping Cut-Leaved (alba lanciniata pendula).—Charming tree. Its tall, slender, yet vigorous growth, gracefully drooping branches, silvery-white bark and delicately-cut foliage present a combination of attractive characteristics rarely met with in one tree.

5 to 6 feet, each \$1.00; 8 to 10 feet, \$1.50 to \$2.00

BOXWOOD (E)—Buxus.

A compact evergreen, that can be trimmed into balls, box or pyramidal shape. Makes handsome specimens.

Dwarf, Common.—Fine for borders, edgings or low hedges.

6 inch, each 15c; per 100, \$10.00; nice plants \$1.00 per foot

Specimen Plants.

Pyramids. 2 feet \$2.50; 3 feet \$3.50; 4 feet \$7.50

Standard.—Ball shaped tops on heavy stems, very ornamental. From \$5.00 to \$15.00 pair

BLEEDING HEART.—See Dicotyle; page 59.



Azalea Mollis—(Flowers one-third Size)

BOX ELDER.—See Negundo Maple.

BUTTERNUT (D).

4 to 5 feet, each 75c to \$1; 6 to 8 feet \$1.50

CALYCANTHUS (D)—Sweet-Scented Shrub.

Floridus (Carolina Allspice).—Very sweet-scented, aromatic foliage; chocolate-colored double flowers. Very ornamental shrub. Each 60c to 75c

CAMELLIA (E).

Beautiful for the house or garden; evergreen foliage; wax-like flowers, which appear about Christmas indoors or early spring outside.

Japonica, Double White, Pink or Red.

1½ to 2 feet, each \$1.00 to \$1.50
Sasanqua.—Smaller leaves than above and blooms earlier. Double white. Each 75c to \$1.00

CATALPA (D).

A beautiful shade tree. White flowers in July.

Speciosa.

4 to 5 feet, each 60c; 7 to 9 feet 75c to \$1.00

Bungei.—Very ornamental. 6 feet, \$1.50 to \$2.50

CEDAR (E)—Cedrus

Atlantica.—One of the most beautiful evergreens. Upright growth, but low-branched and of compact habit. Foliage light green. Each \$1.00 to \$3.00

Deodora (Deodar or Indian Cedar).—Of vigorous growth; pyramidal form; graceful foliage of a light, silvery or glaucous green. One of the most beautiful of evergreens.

Each, 1 foot up, \$1.00 to \$3.00 and up

Aurea.—Graceful foliage of light golden yellow on the young shoots. Each, 1 foot, \$1.50

Weeping (Drooping Red Cedar).—With spreading limbs and slender, pendulous branches. Each, 1 foot, \$1.50

CHESTNUT (D).

Very popular, stately shade trees.

American Sweet. 6 to 8 feet, each 75c to \$1.00

Spanish. 4 to 6 feet, each 75c; 7 to 8 feet \$1.25

Mammoth Japanese.—Large, good edible nuts.

4 to 6 feet, each 75c to \$1.00; 6 to 8 feet \$1.50

Horse, European, Red Flowering.—Much slower grower than the white.

3 to 4 feet, each \$1.00; 6 to 8 feet \$1.50 to \$2.00

Horse, White Flowering.

4 to 5 feet, each 60c to 75c; 6 to 8 feet, \$1.00

to \$1.25; 9 to 10 feet, specimens, \$1.50 to \$2.00

CLETHRA (D)—Sweet Pepper Bush

Alnifolia (Sweet Pepper Bush).—An upright, slow-growing shrub, with spikes of fragrant white flowers in midsummer, which continue for a long time. Useful for massing, for natural planting of woods, or for the beauty of the single specimen. Each 60c to 75c

COTONEASTER (E).

Choice evergreen, with minute, deep, glossy, green foliage and red berries.

Horizontalis.—A plant of prostrate habit of growth, admirable for covering low walls, or to use in rock work. Choice plants, each 50c to 75c

Simondsii.—A beautiful, upright shrub, with fruit of a rich, deep orange color. Each 50c to 75c

CRYPTOMERIA (E).

Beautiful evergreen for lawn planting. We import choice sorts from Japan.

1 to 3 feet, each \$1.50 to \$4.00

Elegans.—Delicate fine foliage that changes to reddish brown in winter. Each \$1.50 to \$5.00



Deutzia (Next page.)

CRAB, FLOWERING (D)—Malus
 Bechtel's Double Flowering Crab.—Bears masses of double, rose-like flowers, of a delicate pink color and most delightful fragrance. Blooms when quite young. 3 to 4 feet \$1.00
 For flowering Cherry, Peach, etc., see Prunus, page 83.

CYPRESS (E).
 Lawson's.
 Hardy, graceful growing evergreen, with feathery bluish-green foliage.
 Specimen plants (See Cut). 75c to \$2.50 and up
 For Hedges.—Small plants 8 to 18 inches; write for prices.

DAPHNE (E).
 Superb evergreen shrub of compact growth, bearing in early summer many bluish white flowers, highly perfumed, and very lasting. The sweetest-scented shrub in existence. Hardy only west of the Cascades.
 White, Pink or Lilac. Each \$1.00 to \$1.50

DEUTZIAS (D).
 A showy class of shrubs of compact growth, luxuriant foliage and very free-flowering. (See cut, page 78.)
 Crenata Fl. Pl.—4 to 6 feet; flowers in long spikes; white, tinged rose; very double and full. Each 50c to 75c
 Gracilis.—Low-growing, compact; covered all over with pure white, bell-shaped flowers. Each 50c to 75c

Lemoinei.—Flowers very large and produced in broad-based, cone-shaped heads of from 20 to 30 flowers each, of purest white. Each 50c to 75c
 Pride of Rochester.—Flowers very double and full; pure white, tinged with blush; great profusion. Each 50c to 75c

DICENTRA—(See page 59).
DESMODIUM (D)—Tick Trefoil
 Showy shrubs, with a mass of graceful sprays and pea-shaped flowers. Late-blooming, continuing until frost.
 Penduliflorum.—Rosy purple, or reddish flowers. Excellent as single specimens, or for massing. Each 60c to 75c

DOGWOOD (D)—Cornus
 Oregon (Cornus Nuttalli).—One of the handsomest of our native trees. A fine ornamental tree with large white flowers, pretty foliage and attractive bark. Each 75c to \$2.00

SHRUB DOGWOODS.—These are most desirable on account of their pretty flowers and highly colored bark of the twigs and branches.

Paniculata.—White flowers and fruit. 3 to 4 feet. Each 75c
 Sibirica (Red Siberian Dogwood).—A rare and remarkable variety, with bright red bark in winter. Each 60c to 75c
 Spathi (Gold-leaved Dogwood). Each 75c

ELDER (D)—Sambucus
 These are showy, large shrubs, ornamental in flower, fruit and foliage. Of easy cultivation.
 Canadensis (Common Elder).—Broad heads of white flowers in June, and dark red berries in autumn. 50c to \$1.00

Cut-Leaved (laciniata).—A very beautiful variety. Foliage curiously divided. 50c to \$1.00
 Golden-Leaved (foliis aureis).—It has beautiful fern-like golden foliage, which retains its showy bright yellow color through the entire summer until late autumn. 75c to \$1.50

ELM (D).
 One of our most popular and best shade trees. Very desirable for street planting.
 American White. 6 to 7 ft. each 75c; 8 to 10 ft. \$1.00 to \$1.50

Cork Bark. 6 to 7 ft. each 75c; 8 to 10 ft. \$1.00 to \$1.50
 Purple-Leaved. 6 to 8 feet each \$1.50
 Weeping Elm (Camperdown).—One of the most beautiful and remarkable of weeping trees; low growing, branches extending horizontally. Priced according to size of head. Each \$1.50 to \$2.50

EUONYMOUS (E)
 Sieboldii (Japonica).—Leaves dark shining green. A fine plant for the lawn. 75c to \$1.00 and up
 Aurea Variegata.—Leaves variegated green and gold. A very striking plant. 75c to \$1.00 and up
 Alatus.—Cork-bark, very ornamental; leaves turn red in fall. 75c
 Europaeus (Spindle Tree—Burning Bush).—A large shrub or tree, bearing rose-colored fruit in autumn; fine; 3 to 4 feet. Each 60c to 75c
 Radicans (Trailing).—Very hardy, dense-growing, trailing vine; has dull green leaves with whitish veins; Grows rapidly if planted in reasonably rich ground; also useful for covering old walls, etc., as it is self-clinging. Each 50c to 75c



Lawson Cypress.

EULALIA.—See page 59.
EXOCHORDA (D)—Pearl Bush.
 Grandiflora.—Produces large white flowers in May; one of the finest shrubs of its season. 2 to 3 feet each 60c to 75c

FAGUS.—See Beech.
FIG (D).
 Grown both for fruit and ornamental.
 White or Black. 4 ft. up, each 50c to 75c; extra large \$1.00 to \$1.50

FILBERTS (D).
 These nuts do well on this Coast. We can supply Barcelona, DuChilly, the most popular sorts. 2 to 3 ft. each 35c to 50c; per 10, \$4.00; 100, \$35
 Corylus Purple Filbert.—Large bush, with large, dark purple leaves; makes a very effective contrast when planted among green-foliaged plants. 3 to 4 feet each 75c to \$1.00

FLOWERING CURRANT (D)
 Ribes.—The Flowering Currants are gay, beautiful shrubs in early spring, and of the easiest culture.
 Sanguineum.—Charming crimson flowers in early spring; fine variety. Each 50c to 75c
 Aureum.—Beautiful yellow flowers; very fragrant, smooth, shining foliage. Each 50c to 75c

FORSYTHIA (D)—Golden Bells
 Viridissima.—Blooms early in spring, before the leaves appear, when it is covered with golden, bell-like flowers. Each 60c to 75c
 Suspensa (Weeping Golden Bell).—Somewhat pendulous in habit. 60c to 75c

GENISTA (E)—Broom Bush
 Scoparia (Scotch Broom).—Rapid growing hardy shrub; trusses of yellow flowers in May. Each 50c to 75c
 Andreaea.—Deep yellow and red. Each 75c to \$1.50
 Juncea (Spanish).—New yellow variety, blooms all summer. Each \$1.50

Ashton, Idaho, April 20, 1910.
 Routledge Seed & Floral Co.
 Gentlemen: Please accept my thanks for seeds and plants received O. K. Very truly yours,
 O. C. STANSELL.

GINKGO (D)—Salisburia

Adiantifolia.—A grand Japanese tree of compact, pyramidal habit. Leaves similar in form to those of the well-known Maidenhair Fern. Very effective for the lawn or avenue; rapid grower and perfectly hardy.

Each: Imported plants 75c; large trees \$1.50 and up

HALESIA (D)—Silver Bell; Snow Drop Tree.

Tetraptera.—A beautiful large shrub, with pretty white bell-shaped flowers in May. One of the most desirable shrubs. Each 60c to 75c

HICKORY (D)

Slow growing tree. Each \$1.00

HIBISCUS.—See page 59; also *Althea*, page 77.

HAWTHORN (D).

A beautiful flowering shrub that grows to be a fair-sized tree; very desirable; fine foliage.

Alba Plena.—Double white. 75 to \$1.50 each
Paul's Scarlet.—Double scarlet, very rich. Each 75c to \$2.00

Double White or Red.

3 to 4 feet \$1.00; 6 to 8 feet \$1.50

Single White.—For hedge plants.

2 ft. each 20c; per 50, \$7.50; per 100, \$12.00

HOLLY (E)—*Ilex*.

We have a fine lot of Hollies, both seedling and grafted stock. We also have at different times very large, fine specimens, with or without berries, from \$10.00 up.

English (Aquifolia).—Berry-bearing plants, per foot, \$1.00; nice plants, \$2.50 to \$6.00; seedling stock, per foot 75c; nice plants, \$1.50 to \$3.00; small plants, 4 to 8 inches, for large plantings, very cheap. Write.

Gold or Silver Margined \$1.50 to \$3.00 and up

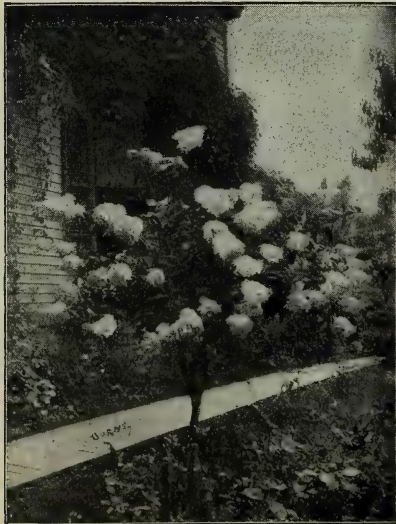
HONEYSUCKLE UPRIGHT.—See *Lonicera*.

HYPERICUM.—(See page 69).

HYDRANGEA (D).

Paniculata Grandiflora.—The grandest as well as the most popular, of all shrubs, and hundreds of thousands of them are sold every year; excellent for hedges or massing; unsurpassed for the lawn; blooms in July and August, and continues in bloom for two or three months. The flowers are massive, cone-shaped, sometimes 10 inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red.

1½ foot 35c each, \$3.00 doz; 2 to 3 ft. 40c to 60c; 3 to 4 ft. 75c; specimens, tree-shaped, each \$1.50



Hydrangea, Paniculata, Tree-Shape

Eureka, Cal., March 29, 1910.

Routledge Seed & Floral Co.

Gentlemen: I wish to tell you that the plants I got from you last year did well. I remain, Yours truly,

MRS. A. RANKIN.



Hydrangea Hortensis

Arborescens Alba Grandiflora (Snowball Hydrangea).

A grand addition; flowers come in July and August, and are large, conspicuously white; fine for single specimen or cut flowers. 75c to \$1.00 each

HORTENSIA

A handsome half-hardy Japanese shrub; most frequently seen in tubs and vases, and does well in somewhat sheltered place. Ornamental foliage and beautiful flowers in large trusses.

Hortensia Rosea.—A beautiful new pink from Japan. Each 75c to \$1.00

Hortensia Stellata Rubra.—A grand star-shaped flower, almost double; very beautiful rose and pink; not as hardy as others; excellent for forcing and pots. Each 75c to \$1.00

Hydrangea Scandens.—See Climbers, page 73.

Hortensia Involucrata Pleno.—Flowers double and of a beautiful deep pink; in large clusters. 75c to \$1.00

Hortensia Ajisai Var.—Large flowers; clear blue. 60c to \$1.00

Hortensia White.—Pure white; large flower. 50c to \$1.00

JUNIPER (E).

Very desirable, generally grown in pyramidal form; foliage fine and beautiful.

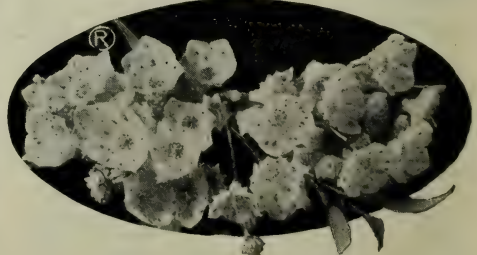
Compacta. 2 foot each \$1.00 to \$1.50
Irish. 1 ft. each 75c; 2 to 3 ft. \$1.00 to \$2.50

JUDAS TREE (D)—*Cercis*

Japonica (Red Bud).—Very showy and beautiful when in bloom. Covered with a mass of small pink flowers early in the spring before the leaves appear. Each 75c

KALMIA (E)—Mountain Laurel.

Latifolia.—A beautiful companion to the Rhododendron; beautiful flowers in clusters, pink changing to white; elegant foliage. Each \$1.50 to \$2.50



Kalmia Flowers (One-third Size)



Single Lilac
(Grafted Stock)

KERRIA (D)—*Corochorus*

Japonica.—A green-branched shrub, 5 to 6 feet high; abundant yellow flowers from June to October.
Each 50c to 75c

LAUREL (E).

English.—A small tree, or bush, with handsome shining thick foliage. Specimen plants 2 to 3 feet and up. \$1.50 to \$3.00 and \$4.00

Small, 12 to 18 in. and up, 60c to 75c. Write for prices in quantity for hedge.

Portugal Laurel (*Laurus Lusitanica*).—A small, intricately branched tree, with glossy leaves. Flowers white, disposed in slender racemes, appearing in late spring or early summer. 1½ to 2 feet.
60c to \$1.00

Mountain Laurel, see *Kalmia*, page 80.

LABURNUM (D)—*Cytisus*

Laburnum (Common Laburnum, or Golden Chain).—Smooth and shining foliage. The name "Golden Chain" alludes to the growth of the drooping racemes of yellow flowers which appear in June.
Each 75c to \$1.00

LINDEN (D).

European.—Very desirable and beautiful tree for park or street planting; large heart-shaped leaves, white flowers.

5 to 6 ft. each 75c; 6 to 8 ft. \$1.00 to \$1.50



Japanese Maple, *Dissectum*

LOCUST (D).

Black or Yellow.—A handsome, hardy tree; white flowers in June.
5 to 6 feet each 35c; 8 to 9 feet 75c

Honey Locust.—Rapid growing, sharp thorns; excellent for large hedges or fences.
2 to 3 feet 25c; 4 to 6 feet 35c to 50c

LILACS (D)—*Syringa*

Every one loves the lilac and no garden is complete without one or more. The new imported grafted varieties are very beautiful and produce magnificent large flowers.

Vulgaris.—Common White or Purple.

3 to 4 feet, 50c to 75c; large specimens, \$1.00 to \$2.00

NEW GRAFTED VARIETIES—

Each, 75c to \$1.00; select, \$1.50

Charles X (Single).—A strong, rapid grower; leaves dark and shining; trusses large and rather loose; color reddish purple.

Marie LeGrave (Single).—Beautiful creamy white flowers of immense size; bush of dwarf habit. One of the most popular white varieties.

Mme. Casimir-Perier (Double).—The finest double white Lilac. The individual flowers, as well as the truss, are of immense size, deliciously scented; fine for cutting.

Mme. Lemoine (Double).—Fine double white variety that is used extensively for winter forcing.

President Grevy (Double).—Very large and double; beautiful blue panicles nearly a foot long.

Souvenir de Louis Spaeth (Single).—Immense trusses of a deep rosy purple; very choice.

President Carnot (Double).—Fine, double lavender, with white center; late flowering.



Double Lilac (Grafted Stock)

LONICERA (D)—Bush, or Upright Honeysuckle.

Tatarica (Tartarian Honeysuckle).—Pink flowers, which contrast most beautifully with the foliage. Red berries after flowers. Each 50c to 75c

Alba (White Tartarian Honeysuckle).—Its habit is the form of a high bush, with creamy white flowers; very fragrant. Each 50c to 75c

MAGNOLIA (E).

Grandiflora.—Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequalled in size and showy effect among hardy trees and shrubs. A magnificent evergreen, with large, leathery green leaves, more than a foot long; bears large, fragrant white flowers. Small 75c to \$1.00
2 to 3 feet \$1.50 to \$2.00; specimen plants \$3 to \$5

Corvallis, Ore., April 2, 1910.

Routledge Seed & Floral Co.

Gentlemen: The plants were very nice. Send me a catalog every Spring. Very truly yours,

W. C. SCHRIEBER.

MAGNOLIA (D).

Conspicua.—A Chinese species of great beauty; shrub-like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves. 2 ft. each \$1.00; 3 ft. each \$1.50 to \$2.00

Soulangiana.—In habit it closely resembles *Conspicua*; flowers white and purple, cup-shaped and three to five inches in diameter; foliage large, glossy and massive; blooms later than *Conspicua*.

Small, each \$1.00; 3 to 4 ft. each \$1.50 to \$2.00

Magnolia Obovata.—Exterior petals purple, veined with deeper color, white center.

Each \$1.00 to \$1.50

Obovata.—Has striking flowers, light purple, richly variegated with white inside, outside white.

2 feet each \$1.00 to \$1.50

Salicifolia.—New species, called *Fragrant Magnolia*. The white flowers, as well as the leaves and bark, emit a sweet, aromatic perfume.

Each \$1.50 to \$2.00

MAHONIA AQUIFOLIA (E)—Oregon Grape.

Native of Oregon, and our state flower. Very valuable and desirable on account of its beautiful foliage and clusters of yellow flowers in spring, followed by blue-black berries.

Choice plants, nursery grown, 50c, 75c, \$1.00

MAPLE (D)—*Acer Japonica*.

Japanese.—A beautiful class of low-growing, shrub-like trees, having brilliant colored leaves, which retain their brightness from spring until fall. Nothing finer than these can be had for planting, either in groups or singly on the lawn. Their dense, compact growth, graceful habit and rich colored foliage make them favorites with all who see them. (See cut, page 81).

Price: Any of the following varieties of Japanese Maples, choice plants, \$1.00 to \$2.00; specimen plants \$3.00.

Atropurpureum.—Deep maroon, palmate leaf.

A. Osaka-Zuki.—Light maroon, changing to blood red in fall; palmate leaf.

A. Atropurpureum, Dissectum.—Deep maroon, richly fringed, thread-like leaflets, drooping nature.

A. Dissectum.—Deep maroon, richly fringed, thread-like leaflets, drooping nature.

A. Aureum.—Circular-shaped, obtusely cut, yellow leaves.

A. Scolopendrifolium Rubrum.—Dark red, fine, ribbon-like leaflets.

A. Atropurpureum Variegatum.—Bright crimson, with deep maroon variegation.

A. Sanguineum Chishio.—Small blood-red palmate leaves.

A. Reticulatum.—Green network variegation on yellow ground; palmate leaf.



Paeony Flower (one-fourth size)

MAPLE (D)—*Acer*.

Silver Variegated (A. Negundo Variegatum).—Most attractive; leaf is variegated white and green; at a distance it has the appearance of the whole leaf being a silver-white; an excellent lawn tree. 4 ft. each \$1.00; 5 to 6 ft. \$1.25 to \$1.50

Ash-Leaved (Box Elder or Manitoba Maple; A. Negundo).—A fine, rapid-growing variety, with handsome, light green pinnated foliage and spreading head; very hardy; desirable for street planting.

6 to 8 feet each 75c to \$1.00

Norway (A. Platanoides).—Its large, compact habit, broad, deep green shining foliage, and its stont, vigorous growth, renders it one of the most desirable species for streets, parks and lawns.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$2.00

Oregon (A. Macrophyllum).—A most graceful tree, with wide-spreading branches and large foliage; very rapid growth.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50

Purple-Leaved Sycamore (A. Pseudo-Platanus Purpureum).—Leaves deep green, purplish red beneath, producing a beautiful color effect when leaves are in motion.

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.00

Silver-Leaved, or Soft (A. Dasycarpum).—Native tree of rapid growth; foliage bright green above and silvery-white beneath.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50

Sugar, or Rock (A. Saccharinum).—Popular; its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50

Sycamore (A. Pseudo-Platanus).—A noble variety; deep green foliage; a rapid, upright, free grower; excellent for lawns; fine for planting at the "coast."

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.00

Wier's Cut-Leaved Silver (A. Wierii Laciniatum).—Beautiful trees, with cut or dissected foliage; of rapid growth; shoots slender and drooping; graceful; foliage silvery underneath.

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.50

MOUNTAIN ASH (D).
Very ornamental trees, especially when covered with red berries in the fall.

European.
6 to 8 ft. 50c to 75c; 9 to 10 ft. \$1.00 to \$1.50

Weeping. 6 to 8 ft. \$1.50 to \$2.00 each

MULBERRY (D).
Downing's Everbearing.—This makes a fine tree for the lawn or garden, and its abundant supply of refreshing fruit increases its value greatly.

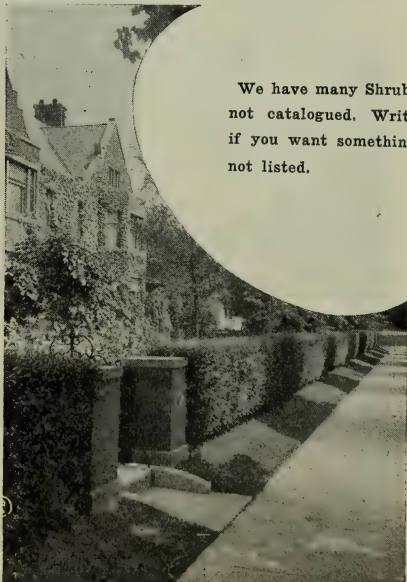
6 to 8 ft. each \$1.00 to \$1.50

New American Sweet.—Dwarf, slender, branching variety; graceful and hardy; fine, large edible black fruit.

6 to 8 ft. each \$1.00 to \$1.50

Tea's Weeping.—Very graceful hardy; forms perfect umbrella-shaped heads, with long, slender, willow branches, drooping to the ground; beautiful, healthy foliage.

Grafted 1-year heads, \$1.50; 2 years and over, according to the shape of heads, \$2.00 to \$5.00 up



We have many Shrubs not catalogued. Write if you want something not listed.

Privet Hedge—Camperdown Elm by the Gate; Ampelopsis Veitchii on the House



PAMPAS GRASS.

A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high. Strong roots 75c; large specimen plants \$2.00 to \$5.00 up

PEONY MOUTAN (D)—Tree Peony.

A small tree-shaped shrub, which in May is covered with dozens of massive blooms; it presents a magnificent display. We have Cream, Crimson, Pink, Scarlet, Rose and Variegated.

Strong, Imported Roots.

Each \$1.00; specimen plants \$1.50 to \$5.00 each

POENY (D)—Double Herbaceous.

One of the most beautiful flowering shrubs, blooming in May and June. The new varieties are simply gorgeous.

Festiva Maxima.—One of the grandest varieties in existence. A beautiful pure white, sometimes tipped carmine. Flower enormous in size, very full and double. 50c each; \$5.00 per dozen

Officialis Rubra.—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. Each 30c; dozen \$3.00

Officialis Alba.—Early White, Each 35c; dozen \$3.50

Officialis Rosea.—Early, rosy pink. Each 30c; dozen \$3.00

Couronne d'Or.—Large imbricated bloom, white reflexed yellow; center petals bordered carmine. A most distinct and striking variety. Each 50c; dozen \$5.00

Duchesse de Nemours.—A superb ivory-white variety of our finest quality. Each 60c; dozen \$6.00

Edouard Andre.—Immense globular bloom of a deep crimson red, with metallic reflex; very brilliant golden yellow stamens, forming a striking contrast. Each 50c; dozen \$5.00

Victoria.—A rosy white, with yellowish center. Quite free flowering. Each 30c; \$3.00 per dozen

Peonia Tenuifolia fl. pl. (Eringed or Carrot Leaved). Distinct; handsome divided foliage; flowers large, very double and of a deep blood-red; a dwarf, compact bloomer. 40c each; \$4.00 dozen



Japan Quince

Dutchess de Nemours
Peony—



PERSIMMIN (D).

Highly prized for its delicious fruit. Japanese.—Fruit large and oblong; color bright red; ripens early in the fall. 3 to 4 feet 50c to 60c

PHILADELPHUS (D)—Mock Orange or Syringa.

3 to 4 feet 50c to 75c

PINE (E).

Austrian, or Black Pine.—Robust, hardy and spreading; leaves long, stiff and dark green; growth rapid; the most valuable for this country. 2 to 3 ft. each \$1.50 to \$2.00

Ponderosa, Heavy Wooded Pine.—Perfectly hardy here; a rapid grower; leaves a dark green color. 2 to 3 ft. each \$1.50 to \$2.00

Umbrella Pine.—(See Sciadopitys, page 84.)

POPLAR (D).

These well-known trees are planted largely for windbreaks, ornamental purposes and street planting, although not desirable near cement walks

Carolina.—Vigorous growing variety; should be cut back to spread the head. 4 to 6 ft. each 50c; 7 to 9 ft. 60c to 75c

Special low prices in quantity.
Lombardy.—Very rapid, erect growing tree, with tall, spiral form. 50c to \$1.00 each

PRUNUS (D).

Among the most beautiful deciduous hardy shrubs of Japan are the flowering plums, peaches and cherries. Fine for small and large lawns. They flower profusely very early in the spring before the leaves appear; excellent for cutting.

Mume.—Fragrant and beautiful; very early. Double White, Pink or Red, each 75c

Persia (Peach).—Beautiful, but not fragrant. Double White, Pink or Red, each 75c

Cerasus (Cherry).—Exquisite flowers in May. Double White, Pink or Red, each 75c

Pissardi.—The purple-leaved plum of Japan; growing into a shapely small tree of much merit. Covered in the spring with clouds of white flowers, followed by leaves, which turn a beautiful bronzy purple color, remaining beautiful a long time. Each 75c to \$1.00

PRIVET (Evergreen).

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.

1-year-old plants, 12 inches, each 40c; per 50, \$1.75 per 100, \$3.00. 2-year-old plants, 1½ to 2 feet each 50c; per 50, \$3.50; per 100, \$6.00.

PURPLE FILBERT.—See Filbert, page 70.

QUINCE (D)—Cydonia

Japonica (Japan Quince).—Popular shrub, which blooms profusely in early spring; flowers dazzling scarlet; makes an excellent hedge. Each 50c to \$1.00

Japonica Alba.—White flowers; same price.

PAEONY CLUMPS—We can supply some very fine large 4-5 year old roots at \$1.00 to \$1.50 each. These will produce a dozen or more flowers the first season.

RHODODENDRONS (E).

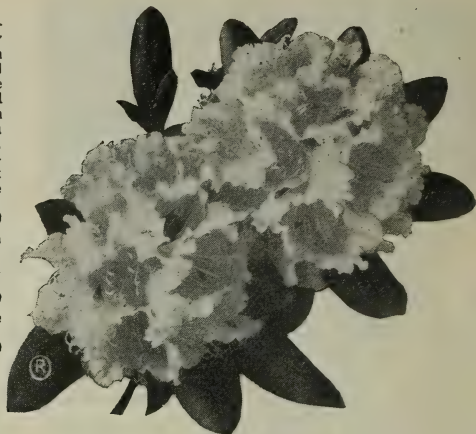
This, wherever known, is universally acknowledged to be the most showy, magnificent, hardy evergreen shrub that grows. It will thrive in any good soil without any special preparation, and in the full blaze of the sun, but it is more luxuriant in good, well-prepared soil and in partial shade. The broad, thick, evergreen foliage, with its glossy richness, would alone entitle it to a place foremost in the rank of evergreen shrubs, but when, in May and June, this mass of luxuriant foliage is almost hidden by the magnificent array of beautiful flowers in all colors from white to purple, the effect is simply grand.

Good Plants. 1½ to 2 ft. each \$1.50

Choice Plants.—Strong and bushy, well set with flower buds that will flower nicely the first year; your selection of colors in White, Pink, Rose, Blue, Purple or Crimson.

Each \$2.00 to \$3.00; dozen \$20.00 to \$30.00

Native.—This is the variety that grows wild in the mountains along this Coast. Flowers pink or rose. Nursery-grown, each \$1.25 to \$1.50



Rhododendron (Flowers one-fourth Size)

ROSE OF SHARON—See Althea

REDWOOD (E)—California Big Tree.

Well known native of California; makes a lovely specimen for the lawn; suitable also for avenue planting. 3 to 4 ft. each \$1.50 to \$2.00
Large specimens \$3.50 to \$10.00.

RETINOSPORA (E)

One of our most showy and graceful evergreens. There is a large class of Retinosporas, but the most popular are those of compact tufted character. Choice, well-shaped plants in Green or Golden. 1 to 2 feet. \$1.00 to \$2.50 and up

SCIADOPITYS (E)—Verticillata (Umbrella Pine).

A Japan evergreen, foliage needle-like, in whorls, dark green. Each \$1.50 to \$3.00

SCOTCH BROOM—(See Genista).

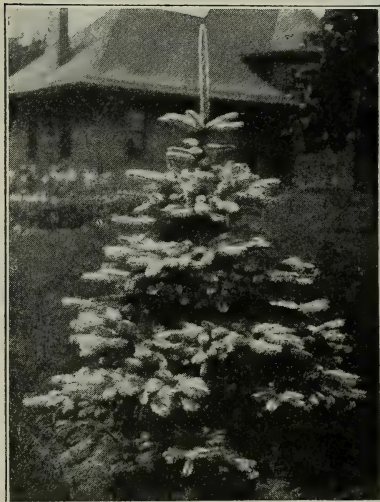
SPRUCE (E)—Abies.

Excelsa (Norway Spruce).—One of our most popular evergreens. Very desirable for single specimens in the lawn and largely used for screens and wind breaks on account of its rapid growth. Foliage dark green.

Specimen plants, 75c to \$2.50 each; for hedges 20c to 60c according to size.

Pungens, Glauca-Kosteri (Colorado Blue).—A beautiful variety on account of its magnificent rich, silvery blue color.

1½ to 2 feet \$2.50; 3 feet up \$5.00 to \$7.50



Colorado Blue Spruce (Kosteri)



Virburnum Plicatum (Japan Snowball, one-fourth Size)

SMOKE TREE—Rhus

Purple Fringe or Smoke Tree.—Much admired for its feathery inflorescences that cover the whole surface of the tree in midsummer.

Each 75c to \$1.00

White Fringe.—Has drooping racemes of pure white flowers; a superb lawn tree. Each 75c to \$1.00

SPIREAS (D).

Graceful shrubs, every one should plant. They are of the easiest culture, and very desirable in collections, for they embrace such a range of foliage, color of flower and habit of growth.

Anthony Waterer.—Covered nearly the whole growing season with large umbels of deep crimson flowers. Each 50c to 75c

Prunifolia (Bridal Wreath).—Slender, erect ingrowing variety, bearing very early in the spring, small double white flowers the entire length of its branches; very graceful habit. Each 50c to 75c

Van Houtte.—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing; perfectly hardy and an early bloomer. Each 50c to 75c

Tunbergii.—Of graceful habit; the branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early. Each 50c to 75c

Billardi.—Produces fine, rose-colored flowers and blooms nearly all summer. Each 60c to 75c

SUMAC (D)

Cut-Leaved Sumac (Rhus Glabra Laciniata).—A beautiful shrub, with large leaves, deeply and finely cut, and drooping graceful habit. Leaves assume a gorgeous crimson color in autumn. 75c to \$1.00

SYMPHORICARPUS (D)—Snowberry

Highly valued for use in densely shaded situations where little else will grow, and for the striking beauty of their bright, persistent fruits. 3 to 5 feet.

Racemosus (Snowberry).—Inconspicuous, rose colored flowers in June and July; followed by large, clustered, milk white fruits which remain far into the winter. 50c to 75c

Vulgaris (Indian Currant).—Similar to the Snowberry except that its fruits are red, and that the smaller red berries cluster in thick ropes about the weighed-down stems. 50 to 75c

THUYA.—See *Arborvitae*, page 72.

THUJA OBTUSA (E)

We import these very “dwarfed” trees from Japan. They are “miniature evergreens,” pot grown and are very unique and invaluable for decorative effect; generally used in house or hall decoration. Fine specimens, 15 to 18 inches high, each \$3.00; per pair \$15.00.



Spirea Van Houtte

TAMARIX (D)—Tamarisk.

Shrubs of light green, feathery foliage, thriving in light, sandy soil.

African.—Pink flowers. Each 50c to 75c

TULIP TREE (D).

A rapid-growing tree, with rich, glossy foliage; flowers tulip-shape, greenish-yellow; a fine shade tree.

4 to 6 ft. each 75c; 6 to 8 ft. each 75c to \$1.00

TREE PEONY.—(See *Peonies*, page 83).



Spirea Thunbergii



Spirea Billardia (Flower Spike)

Ridgefield, Wash., June 20, 1910.

Routledge Seed & Floral Co.
Gentlemen: The strawberry plants arrived Friday
O. K. Thank you for prompt attention to a small
order. Respectfully,
H. J. HELLINGSON.

DON'T Be misled by the fine catalogs with little prices sent out from the East. Buy Western grown plants, larger and better than the Eastern. We know it!

VIBURNUM (D)—Snowball.

Sterilis (Common Snowball).—Blooms in latter part of May. Flowers pure white, large balls, frequently borne in clusters. 3 to 4 ft. each 50c to 60c; 6 ft. 75c to \$1.00; extra choice plants \$1.50

Plicatum (Japanese Snowball).—One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers; covered with bloom for weeks in the spring; grows 4 to 6 feet high; entirely hardy.

2 to 3 ft. 50c to 75c; 3 to 4 ft. 75c to \$1.00

Viburnum Lantana (Wayfaring Tree).—White flowers in large dense cymes; fruits bright red, changing to a much darker shade with age.

Each 60c to 75c

Opulus (High Bush Cranberry).—Handsome and dense foliage; flowers white in drooping flat cymes followed by brilliant scarlet fruit in showy pendulous bunches that remain on the plant all winter.

Each 60c to 75c

WILLOW (D)—Salix

Americana Pendula.—A low-spreading tree, with graceful, flexible, pendulous branches and fine foliage. This is also known as the Fountain Willow.

Each 60c to \$1.00

Babylonica (Babylonian or Weeping Willow).—Foliage is bright green and has a wavy appearance. A well-known and graceful variety.

Each 60c to \$1.00

Caprea Pendula (Kilmarnock Weeping Willow).—Very distinct and ornamental. Large, dark green leaves; branches droop to the ground.

\$1.00 to \$2.50



Weigela (Flowers one-half Size)

WALNUTS (D).

American Black (Juglan). 4 to 6 ft. each 60c to 75c

English or French.—We have a fine lot of one and two-year-old trees (the best age to plant). These are nut-bearing, second-generation stock, and of the best varieties for this Coast.

Prices: 1-year, 35c each, \$3.00 per 10, \$25.00 per 100. 2 years 40c each, \$3.50 per 10, \$30.00 per 100. 2 years, 3 to 4 ft. 60c each, \$5.00 per 10 4 to 5 ft. 75c each; 6 to 8 ft. \$1.00 each

WEIGELA (D).

No shrub in our large collection has attracted more attention. It is of robust but graceful growth, and produces immense numbers of superb, large, trumpet-shaped flowers in June and July.

Candida.—Beautiful white flowers; a continuous bloomer. Each 60c to 75c

Eva Rathke.—New. A remarkably free bloomer. Very distinct color, being a rich reddish purple, quite different from anything heretofore offered.

Each 75c to \$1.50

Rosea.—Lovely large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Each 60c to 75c

Rosea Variegata.—Leaves beautifully margined creamy white; handsome pink flowers in wonderful profusion. Each 60c to 75c

YEW (E)—Taxus.

English (Baccata).—Small tree of slow growth and very bushy head, branched and thickly covered with somber green leaves; can be trimmed into any shape. 1 ft. up \$1.00 to \$3.00

Irish (Hibernica).—Peculiarly upright in growth; foliage dark. 1 ft. up \$1.00 to \$3.00

Irish Golden.—Leaves green in the center and margined with yellow. 1 ft. up \$1.00 to \$3.00

Japanese Cuspidata (Pointed Yew).—Japanese variety of dense, bushy habit and dark green foliage. 1 foot up, \$1.00 to \$3.00

YUCCA (E)—Adam's Needle.

Filamentosa.—A beautiful flowering evergreen; foliage long, narrow and pointed; white bell-shaped flower, produced in July on long stems. (See cut.) Each 60c to \$1.50



Yucca

Aberdeen, Wash.

Routledge Seed & Floral Co.

Gentlemen: The trees ordered by me some time ago arrived safely, and are fine plants. Yours truly,
J. C. SMITH.

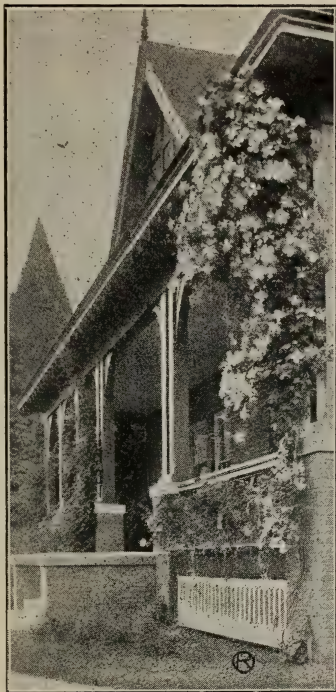
Lebanon, Ore., Nov. 8, 1910.

Routledge Seed & Floral Co.

Dear Sirs: The Strawberry Plants have been received, and I desire to express my appreciation of your courtesy and honesty. Very truly yours,

HELEN V. CRAWFORD.

HARDY CLIMBING AND TRAILING VINES



Large Flowered Clematis

CLEMATIS.

Paniculata (New Sweet-Scented Japan Clematis).—A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy, green foliage. The flowers are of small size, pure white, borne on immense shoots, and of a most delicious and penetrating fragrance.

Strong plants, 35c to 75c each

Large-Flowered.—These bear large and beautiful flowers of various shades of color through the greater part of the summer and fall. They should have a rich, loamy soil. They do much better than roses on the north side of a house. The following varieties are the very best and our plants are all two years old. Price, 75c each; collection of four for \$2.25

Mad, Eduard Andre.—The best large red.

Henry.—Fine, large, creamy white flowers.

Jackmanii.—Intense violet purple; most popular variety.

Romona.—The best lavender.

Duchess of Edinburgh.—A free-flowering double white variety; very fragrant.

AMPHELOPSIS.

Veitchii.—The leaves of this beautiful climber, resembling in shape the English Ivy, overlapping each other closely, are of a bright green color, changing in the fall to the most vivid autumn tints, gold, purple and scarlet, remaining so a long time before they drop. Large plants, 35c to 50c each

Quinquifolia.—The well-known Virginia Creeper. A vine of rapid growth, with large, luxuriant foliage, which in the fall takes on the most gorgeous coloring.

Large 2-year-old vines, 35c to 50c each

BIGNONIA. (See Tecoma below.)

DUTCHMAN'S PIPE (*Aristolochia Sepho*).

A strong, rapid growing vine with handsome light green leaves. It will give a quick, dense shade, and is much used on arbors and trellises. The brown flowers are shaped like the bowl of a pipe. Large plants. Each 75c to \$1.00

HONEYSUCKLE.

A beautiful climber, rapid grower and very desirable; flowers very fragrant, and produced in great profusion.

Halleana.—Most popular; almost evergreen; profuse bloomer; flowers buff-yellow, passing to white; deliciously sweet.

2-year-old plants, 50 to 75c each

Belgica (Monthly Fragrant).—Flowers large and very fragrant; color red and yellow. Strong 2-year. Each 50c to 75c

Sempervirens (Scarlet Trumpet Honeysuckle).—Trumpet-shaped flowers of bright scarlet. Strong 2-year. 50c to 75c

Variiegata (*Reticulata Aurea*).—Handsome foliage, netted and spotted bright yellow. Each 50c to 75c

HYDRANGEA SCANDENS.

Very ornamental, woody vine, with white unbel flowers. Each 75c

IVY.

Common English.—Thick, leathery, evergreen leaves; strong grower. Good roots each 25c, \$2.00 dozen

JASMINE.

Nudiflorum.—A handsome climber, with fragrant golden yellow flowers. Each 50c to 60c

Officinale.—Fragrant white flowers. Each 50c to 60c

KUDZU, THE FAMOUS CHINESE VINE.

Jack-and-the-Bean-Stalk Vine (*Purseraria Thunbergiana*).—Foliage large, affording dense shade; bears small racemes of rosy purple blossoms in August. The most remarkable rapid-growing vine in existence, and unparalleled for ornament and shade. Exceedingly valuable for covering arbors, verandas and pillars. 25c each, 3 for 60c

MADERIA VINE.

A beautiful tuberous rooted climber, with glowing green foliage, and handsome racemes of fragrant flowers; a rapid grower. Bulbs 20c each, 3 for 50c

VINCA.—Periwinkle. See page 60.

TECOMA (D).—Trumpet Vine, Begonia.

Grandiflora.—Flowers large, orange red; beautiful; excellent climbers. Each 50c to 75c

Radicans (Common Trumpet Vine).—A splendid climbing vine, with large, brilliant orange-scarlet flowers in July and August. Each 50c to 75c

WISTERIA.

A rapid, hardy climber, that will grow to a height of 50 feet or more. The fine foliage and flowers are produced early in the season, and come in magnificent clusters. Prices, following varieties: Strong 2-year-old plants 50c to 75c each; imported, 4 to 5-year balled plants, will flower first year, \$1.50 to \$2.50.

Sinensis Blue or White.—Lovely long panicles or flowers, produced in the most wonderful profusion.

Multijuga.—This valuable new Wisteria was introduced from Japan, and produces magnificent racemes of lovely purple flowers, often measuring 15 inches in length.

Multijuga Alba.—Like the preceding; best pure white.



Wisteria Vine in Bloom

PALMS AND DECORATIVE PLANTS

Every one knows how beautiful palms and decorative plants are, and how much they improve the parlor, hall or dining room. We offer only the best and most desirable kinds, and of the easiest culture, although we can supply many rare and tender specimens if wanted.

ARAUCARIA EXCELSA (Norfolk Island Pine).—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture; it is particularly adapted to parlor table decoration. It is most unique in appearance, the branches being arranged in neat, symmetrical whorls. They do not require much sun, and are hardy and easily cared for. (See cut.) Choice plants, 12 to 15 in. \$1.50 to \$2.00; 18 to 24 in. \$2.50 to \$4.00.

RUBBER PLANT (*Ficus Elastica*).—This is certainly one of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark-green leaves are not affected by dust or gas. The large, dark-green foliage and erect form are much admired. Choice Plants, 12 to 15 in. 75c; 18 to 24 in. \$2.00 to \$2.50. Specimen plants \$5.00 to \$7.50.

DRAACAENA INDIVISA (The Fountain Plant).—This plant is unsurpassed for hardiness in the house and eminently fitted to contrast with palms and other decorative plants. Nice plants 12 to 15 in. 60c to \$1.00; 18 to 24 in. \$1.50 to \$2.50

CYPERUS—Umbrella Plant (*Alternifolia*).—A splendid house plant of easy culture. Resembles a palm. Requires little or no attention, and remains green throughout the year. Keep well watered. Small plants, postpaid, 25c. Large plants, by express, each 35c to \$1.00 and up.

COCOS WEDDELLIANA.—The most elegant and graceful of all the smaller Palms. Its slender, erect stem is freely furnished with its graceful arching leaves of rich green color.

Choice plants, 12 to 15 in. 75c to \$1.00; 18 to 24 in. \$2.50 to \$5.00

KENTIA.—A beautiful, graceful, handsome-looking, strong-growing Palm, with deep green, crisp foliage; inclined to dwarf and spreading habit. One of the most popular for house culture, as they are very hardy, and stand the dry atmosphere. If we could have but one Palm, it would be a Kentia. (See cut.)

Small plants, 75c to \$1.00; large plants, 18 in. and up, \$2.00 to \$5.00 and up. Specimen plants \$6.00 to \$25.00.



Kentia Palm



Araucaria Excelsa

HARDY PALMS

We import these from Japan, and they are very hardy and stand gas, dust and hard usage better than most plants; very desirable for restaurants, hotels or porch and veranda use.

ASPIDISTRA.—Stately decorative house plant of rapid and hardy growth. The leaves grow quickly from the ground to a height of 18 inches or more. We have both green and variegated, green and white. Stands ill-treatment better than any other plant we know of. Green or Variegated Leaves, fine specimens, \$1.50 to \$3.00 each

RHAPIS HUMILIS.—Rare ornamental Palm, with slender, graceful divided leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun.

6 to 10-shoot plants \$2.50 to \$5.00

Boxwood.—For imported evergreen box plants, nicely trimmed for tubs, etc., see Ornamental Nursery Department.

BAY TREES.

BAY TREES (*Laurus Nobilis*).—Imported from Belgium. For the hotel courts, lobbies, hall, veranda and entrances to gardens or courts these beautiful evergreens are most desirable. They are very hardy, standing all kinds of weather except severe freezing. For convenience in handling they are sold in plant tubs (about 15 inches). Price of Bay Trees depends on size of the heads which are generally trimmed in ball shape; slightly flattened.

Fine Specimens \$15.00 to \$20.00 each; \$25.00 to \$35.00 per pair; write for prices of stock on hand, when wanted.

Ferndale, Wash., May 10, 1909.

Dear Sir, I got the Dahlia Bulbs in fine shape, and was much surprised to have them sent so quick and such large bulbs, too, I never got before. I have sent to different firms before this, but always got small, dried-up tubers and would have a time trying to make them grow. Well, I thank you very much for your kind and prompt attention to my little order. I shall not forget it, and so I send you another.

MRS. GEO. BOONE.

FERTILIZERS FOR ALL CROPS AND PLANTS



Wilgrow

The Best and most satisfactory fertilizer we ever sold. All plant life is benefited by its use.

Wilgrow is a perfect and highly concentrated fertilizer, made principally from WHALE product, and prepared especially for vegetable or flower garden, fruit trees or bushes, roses and shrubs, lawns, palms, hothouse and potted plants.

THE ADVANTAGES OF WILGROW.

Just the Fertilizer for the City Gardener.

It is a concentrated fertilizer, put up in small packages, thereby making its distribution a cheap and easy matter. Being a concentrated fertilizer, only a very small amount is required to produce the largest yield. (See general directions below.) There's no use of your paying dray and freight charges on bulky fertilizers containing three-fourths sand, ash or dirt filler. Wilgrow is the pure "dope"—clean and easy to apply. We guarantee it to give results.

The small amount of WILGROW required reduces the expense of fertilizing to about one-half the cost of manure or the average commercial fertilizers on the market.

WILGROW

Contains no weed seed. Keeps the bugs away.

The Nitrogen and Phosphoric Acid in Wilgrow do not exist in a form immediately soluble in water, therefore neither the seepage of rain or irrigating water carry these elements away quickly. On the other hand, they remain in the ground and are only given up as they are needed by the plants.

GENERAL DIRECTIONS.—When planting in drills, sprinkle Wilgrow lightly in the drills at the rate of one heaping teaspoonful to each running foot; mix well with the soil and plant according to usual directions.

When planting in hills, use one tablespoonful of Wilgrow to the hill, mixing thoroughly with the soil.

When preparing soil for strawberry and other plants, use one teaspoonful of Wilgrow, mixed thoroughly with the soil, for each plant. An occasional light application during the growing season will be a great benefit.

For Potted Plants and Window Gardens, the soil should be well sifted and a teaspoonful of Wilgrow added to every two quarts of soil and thoroughly mixed.

PUT UP IN FOLLOWING SIZES ONLY

1½-LB. PAPER BOX, PRICE, 25c; POSTPAID, 50c; 10-LB. PACKAGE, \$1.00 25-LB. BAGS, \$2.00

A 25-lb. bag of "Wilgrow" is equal to 150 lbs. of most fertilizers.

Fertilizers in Bulk

For the city gardener, we say, "Use Wilgrow by all means." We list the following for those who have large acreage to cover and want to prepare their own fertilizers:

PURE PULVERIZED SHEEP MANURE.—A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants or flower beds. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure.

Quantity Required.—For garden and field crops, 1 to 2 tons per acre—½ before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in fall or early spring.
Price: 10 lbs. 25c; 50 lbs. \$1.25; 100-lb. bag \$2.00; low price per ton.

HIGH-GRADE BONE MEAL.—This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter-houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies.

Quantity Required.—For permanent pasture and mowing lands, one-half to one ton per acre; for trees and vines, 2 to 4 quarts each; for plants and rose beds, 10 pounds to 100 square feet; for starting a new lawn, as a base, 3 to 5 pounds per 100 square feet.
Price: 5 lbs. 30c; 10 lbs. 50c; 50 lbs. \$1.50; 100 lbs. \$2.50; 1000 lbs. \$20.00.

BLOOD MEAL.—One of the quickest acting fertilizers, being immediately soluble. Of special value. Rich in nitrogen. One pound to 10 square feet of space.
Price: 1b. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$3.50.

LAND PLASTER.—Used largely on grass and clover crops. Not sold in less than 100-lb. sacks. City delivering extra.
Price: 100 lbs. \$1.00; 500 lbs. \$4.00; 1000 lbs. \$6.50; ton \$12.00.

MURIATE OF POTASH.—One of the best orchard fertilizers known, and used largely for fruit stocks.
Price: 1b. 10c; 10 lbs. 50c; 50 lbs. \$2.00; 100 lbs. \$3.25; original sacks, 224 lbs., \$6.50; ton \$54.00.

SULPHATE OF POTASH.—A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc., also cabbage, etc. Use 50 to 400 lbs. per acre.
Price: 1b. 10c; 10 lbs. 50c; 50 lbs. \$2.25; 100 lbs. \$3.50; 224-lb. sacks \$7.25; ton \$60.00.

NITRATE OF SODA.—A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being quickly soluble, it should not be applied until the plants are above ground. Use 100 to 200 pounds per acre as a top dressing on vegetables, such as celery, tomatoes, cucumbers, lettuce, etc.
Price: 1b. 10c; 5 lbs. 40c; 25 lbs. \$1.25; 100 lbs. \$3.50.

SUPERPHOSPHATE.—This is a concentrated form of phosphoric acid, and it is actually the cheapest form in which to buy phosphoric acid.
Price: 1b. 10c; 5 lbs. 40c; 50 lbs. \$1.25; 100 lbs. \$2.00.

SPRAYS, INSECTICIDES, ETC.

Space in this catalog will not permit us to fully describe our line of Sprays, etc., but we will gladly mail interesting and descriptive booklets and pamphlets free on request.

SCALE DESTROYER ("Target Brand").—An oil spray of decided merit. Has many advantages over lime and sulphur. Use one gallon to 20 of water, after the leaves are off and up to time buds appear. For summer spray use one gallon to 100 gallons of water. Booklet tells why it is more effective and better to use than the disagreeable lime and sulphur.
Price: qt. 35c; gallon \$1.00; 5-gal. \$3.75; 10-gal. \$7.50. Write for price per barrel.

OF SPECIAL MERIT.

I got some Target Brand Scale Destroyer from you last spring. I sprayed three old, bushy, tall Waxen apple trees. For eight years previous, to my positive knowledge, they had not borne an apple fit to sell, they were so scaly. This fall I sold the apples from them for \$1.00 per box. They were clean and nice. I also used it successfully in killing black aphid on young cherry trees.

W. H. ADDIS, Montavilla, Ore.

BORDEAUX MIXTURE (Liquid).—Very effectual in preventing and checking all fungous diseases, such as potato rot, potato blight, rust and mildew. One gallon to 50 gallons of water. Full directions on can.
Quart 60c; gallon \$1.25

QUICK BORDEAUX ("Target Brand").—The best Bordeaux Mixture on the market. One pound to 10 gallons of water. Per lb. 15c; 5-lb. 70c; 10-lb. \$1.00

ARSENATE OF LEAD.—An effective destroyer of leaf-eating insects. One pound to 17 gallons of water.
1 lb. 35c; 2-lb. can 50c; 5-lb. \$1.00; 10-lb. \$1.90; 20-lb. \$3.60; 100-lb. \$16.00.

LIME AND SULPHUR SOLUTION.—Known and used everywhere. Is one of the best sprays for San Jose scale. One gallon to 11 gallons of water.
Price: qt. 25c; 1-gal. 60c; 5-gal. \$1.90; 10-gal. \$3.60. Write for price per barrel.

KEROSENE EMULSION.—Not injurious to foliage and a sure remedy for lice and most soft-bodied insects. Kills by contact. Quart 60c; gallon \$1.50

WEED KILLER ("Target Brand").—Guaranteed to destroy weeds, grass, poison ivy and all undesirable vegetation. One gallon to 50 gallons of water.
Price: pint 40c; quart 60c; gallon \$1.35; 5-gal. \$6.00. Write for price per barrel.

BLUE LABEL SLUG DESTROYER.—This is the first powder of its kind that we ever found to positively kill slugs and keep them away from young plants. Full directions on each package. Put up in 25c, 50c and \$1.00 packages; 25c packages, postpaid, 35c

BUG DEATH.—Kills the squash, cucumber, cabbage bugs and all bugs and worms that eat the leaves of plants. Can be applied dry, or mixed with water and sprayed. Lb. 15c; 5-lb. 65c

TOBACCO DUST.—Valuable as an insecticide and fertilizer. Sure preventive for green, fly and better as a mulch than the stems.

Lb. 10c, postpaid 30c; 10-lb. 75c

TOBACCO STEMS. Lb. 5c; per 100 lbs. \$3.50

NICOTICIDE.—
Pint can \$2.50; quart \$4.50; gallon \$15.00

ROUTLEDGE'S PLANT SPRAY.—For Aphid, Spider, Mealy Bug, Thrip, Etc.—There is nothing better for green aphid on bushes or plants than this insecticide. It is very effective, easily prepared and harmless to plant life. Use one part of this spray and three parts water and apply with a small sprayer if you have one. Pint bottle 25c; qt. 50c

GRAFTING WAX. ½-lb. 10c; postpaid 15c

QUASSIA CHIPS.—Generally used with Whale Oil Soap for lice, etc. 1-lb. 10c; postpaid 30c

SULPHUR POWDER. Lb. 10c; 100 lbs. market price

WHALE OIL SOAP.—For aphid, plant lice, etc. 1-lb. 10c, postpaid 30c; 10-lb. 85c

BLUESTONE (Vitriol). Lb. 15c; per 100 lbs. market price



Gopher-Go Kills Gophers

GOPHER-GO.—In Gopher-Go we have at last something that is very successful. This preparation is very readily eaten by the gopher, and kills him within five minutes. It only requires that a few of the pellets (Gopher-Go) be put down a fresh hole or runway, and in a great majority of cases they are very soon eaten by the gopher. There are about 150 of these pellets in a 50c can. Full directions are on each can.
½-lb. can 25c, postpaid 35c; 1-lb. can 50c, postpaid 70c; 3-lb. can \$1.00.



Good-By!

Very sorry, but I
cant stay an-
other minute.
They're using
RAT TERROR.

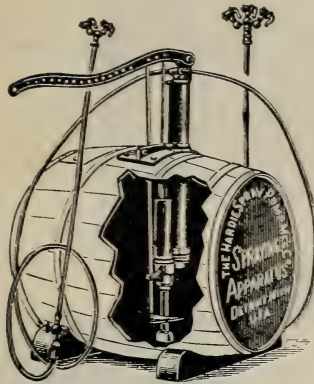
RAT TERROR.—Rats disappear almost instantly after a thorough application of "Rat Terror." By placing it in their holes, and wherever they are likely to run it will quickly rid your premises of rats and mice. This powder is so irritating to their sensitive smell that they cannot endure it; one good whiff drives them helter skelter from the place, never to return.

Rat Terror is a powder—simple to use—easy to handle. No mussy paste to mix, no fussing—no poison to kill pets or endanger the lives of children.
Price: 5-oz. Pkg. 15c, by mail 20c; 15-oz. 35c, by mail 50c; large can by freight or express 50c.

Every owner of a home needs a Sprayer or a Spray Pump of some kind. See the excellent stock we offer. Pages 91-92.

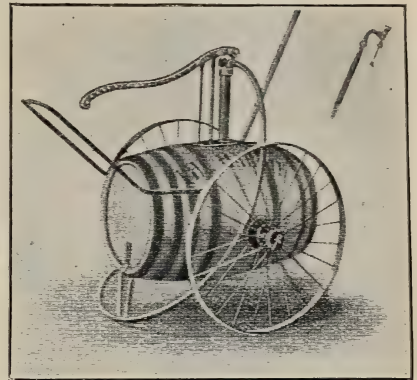
SPRAY PUMPS AND SPRAYERS

We can supply nearly twenty different styles, from a light hand pump to the large, powerful power outfits. FEW SPRAY PUMPS EQUAL AND NONE BETTER THAN WHAT WE OFFER



Hardie Barrel Pump, Mounted, No. 6

For Full In-formation and Descriptions Send for Our 50-Page Descriptive Spray Pump Catalog



Hardie Wheel Outfit No. 21

HARDIE SPRAY PUMPS—"The Sprayer With the Trouble Left Out"

The illustration above shows one of our No. 6 pumps mounted on a barrel. This manner of mounting the pump on the side of the barrel has many advantages. It sits low down, and is not in the way of low branches; there is no danger of tipping over, and the pump is in the deepest part of the barrel, and ALL the liquid can be pumped out. A filler door is hinged near one end, and a suitable strainer is furnished with each barrel. Our pumps Nos. 4½, 5, 6 and 7 are made to fit a barrel this way, and are sold either with or without barrel.

NO. 6 HARDIE BARREL PUMP.—Fitted for two lines of hose; will supply from four to six nozzles; inside diameter of plunger tube 2 inches; stroke of plunger from 4½ to 5 inches; when operated at the rate of 30 strokes per minute will convert into a fine spray 120 gallons of liquid per hour. Furnished with flat plates for end of barrel or flat top tank, if so ordered, without extra cost. Price with iron air chamber, \$11.00; with brass air chamber \$14.00.

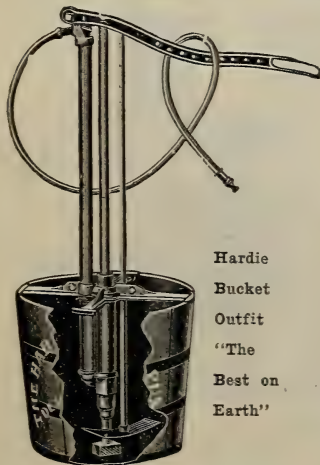
NO. 7 HARDIE BARREL PUMP.—Fitted for two lines of hose; will supply six to eight nozzles; inside diameter of plunger tube 2½ inches; stroke of plunger 4½ to 5 inches; when operated at the rate of 30 strokes per minute will convert into a fine spray 240 gallons of liquid per hour. This pump is furnished with either round plates to fit side of barrel or flat plates for top of barrel. Price, with iron air chamber, \$14.00; with brass air chamber, \$16.00.

THE "HARDIE" BARREL OUTFITS

We can make up any outfit wanted, so we leave it to our customers to say what they want. Figure as follows: First, the price of pump; second, bamboo extension rod; third, ½-inch spray hose wanted (any length), at 15¢ per foot. (Note.—We will furnish one single Vermorel or Bordeaux nozzle with each outfit free.) Fifth, if you want pump mounted on a No. 1 hardwood barrel, add \$5.00 more.

OUR SPECIAL OUTFIT NO. 17.—One No. 6 all-brass pump, mounted on barrel, one 10-ft. lead best ¾-inch hose, one 8-ft. bamboo extension rod with stopcock and drip guard, one 2-cluster Vermorel nozzle, all complete and ready for work; price \$25.00; extra lead of hose, extension and nozzle, \$6.00 extra.

OUR SPECIAL OUTFIT NO. 21.—(See cut.) This outfit is designed to meet a long-felt want by the small fruitgrower and gardener. The 30-gallon barrel is mounted on strong wrought-iron wheels, 26 inches in diameter, with 1½-inch tires. No. 5 pump, 5 feet best hose and couplings, 8-foot bamboo rod and leakless stopcock, 1 Vermorel nozzle. Price \$22.00

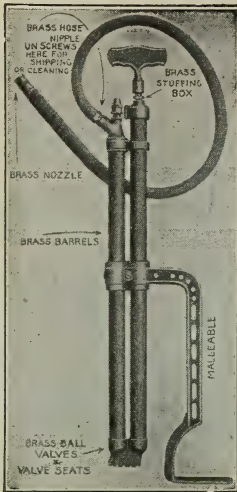


Hardie Bucket Outfit "The Best on Earth"

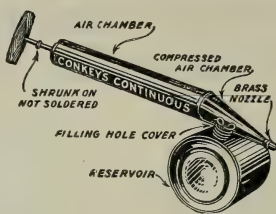
THE HARDIE ALL-BRASS LEVER BUCKET PUMP.—This pump (see cut) is a high-grade, all-brass bucket pump, especially designed to meet the long-felt want in this line. It is the only bucket pump on the market that has a mechanical agitator, and that is so designed as to always stand in position in the center of the bucket. It can readily be detached from the bucket by unscrewing a nut on the spider. This new device for holding the pump firmly in place in the center of the bucket enables the operator to carry the whole outfit with one hand. Our pump, as well as being held firmly in the center of the bucket, has a mechanical agitator, passing directly in front of the strainer at every stroke of the handle, as shown in cut. It should be remembered that it is just as necessary to have the liquid in a bucket well agitated as that in a barrel. This is the only bucket pump in the market that is giving entire satisfaction. It is capable of developing a 200-pound pressure, and maintaining a 100-pound pressure while spraying with 35 strokes to the minute, and will discharge 30 gallons of liquid per hour.

THE HARDIE BUCKET OUTFIT NO. 10.—Includes No. 4 Pump, one 5-gallon heavy wooden bucket, three feet best ½-inch hose, one spraying lance 18 inches long, one spraying nozzle. It is designed for low spraying. Price \$7.00. To reach the tops of tall trees, you should order, extra, an extension rod and about 10 feet of hose.

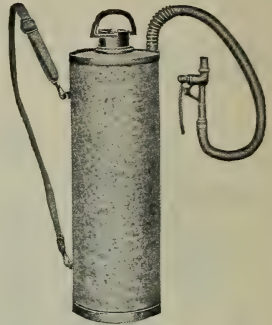
In the HARDIE SPRAYERS all working parts are brass. Perfect agitation of the spray mixture is secured by a mechanical agitator, which works with each stroke of the handle (notice cut carefully). The construction is simple. The pump can be repacked or plunger tightened easily and quickly. No pipe wrench needed. All the valves are round, hard brass balls.



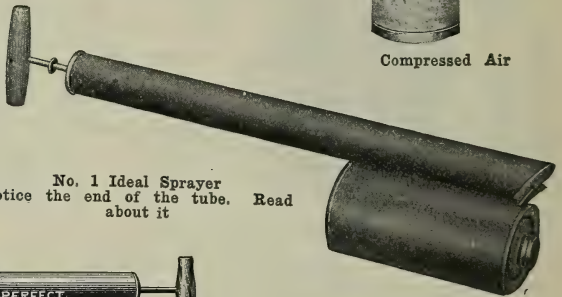
O. K. Brass Bucket Pump



O. K. Compressed Air Hand Sprayer



Compressed Air



No. 1 Ideal Sprayer
Notice the end of the tube. Read about it



No. 7 Perfect

No. 12 POWDER SPRAYER.—One of best makes. Holds 1 qt. Each \$1.00

O. K. BRASS BUCKET PUMP.—(See cut.) Constructed entirely of brass. It is furnished with three feet of best quality rubber hose, detachable; malleable iron stirrup, three interchangeable brass nozzles, which throw a fine mist, coarse spray or stream 50 feet high. Pump is provided with large air chamber, with brass ball valves and valve seats. Throws a continuous spray; neat in appearance as well as durable in construction. Much superior to pumps of this class offered heretofore. Price \$3.50

O. K. COMPRESSED AIR SPRAYER.—A new compressed air hand sprayer of merit. A few strokes of the plunger will produce a continuous spray, enabling one to work three times as fast as with the ordinary hand sprayer. Nothing to get out of order; all working parts brass. (See cut.) Price, galvanized, \$1.00; brass \$1.50

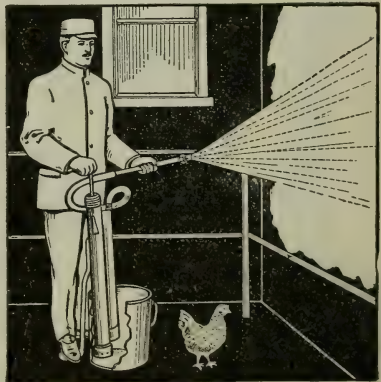
NO. 1 IDEAL SPRAYER.—Our No. 1 Sprayer is a very handy sprayer, and is provided with slanting air chamber, as shown in cut, which enables the operator to spray up (under the leaves on low bushes) or down or in any direction desired, which is necessary in many cases. It has two brass tubes extending into the reservoir, and gives a fine mist spray. Reservoir holds about one quart. Each, tin, 75c; brass, \$1.00

NO. 7 PERFECT SPRAYER.—This has a 1¼-inch air chamber, and the reservoir holds about one quart. It has a single brass tube extending into the reservoir, and therefore throws the spray straight ahead, although it will spray in any direction desired. A good, all-around sprayer for general use. Each 50c; charges prepaid 75c

THE "LIGHTNING" WHITEWASH SPRAYER.—Made especially for spraying whitewash without clogging, and it will do better work than can be done with a brush, as the force with which the material is applied causes it to penetrate the small crevices, thus making a complete and perfect job, and the work can be done ten times as quick, more thoroughly and a great deal neater. Descriptive circular on request. (See cut.)

No. 28.—Galvanized Iron \$2.50; Brass \$3.00.

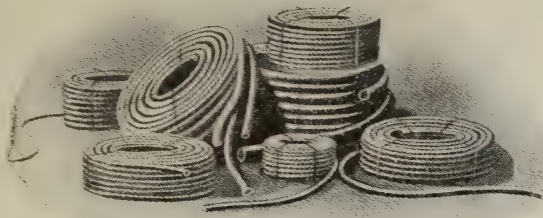
COMPRESSED AIR SPRAYER.—(See cut.) We sell the best and latest improved sprayer of this style on the market. The pressure in this sprayer is developed by an air pump. The tank holds four gallons—three gallons of solution and one gallon of compressed air. The pressure is raised by a few strokes of the air pump, which is sufficient to make it discharge a spray for eight or ten minutes. The sprayer is carried over the shoulder by a shoulder strap, and is a most convenient style of sprayer for small plants and vines and field crops. The machine is very strongly made, both in heavy rolled brass or galvanized iron. We recommend the brass machines as being the cheaper in the end, as they are non-corrosive, and will last a lifetime. These sprayers are fitted with the latest improved, adjustable nozzles. Price: Galvanized Iron \$5.50; Solid Brass \$7.00; 3-foot Brass Extension Rods extra, each 60c.



Lightning Whitewash Sprayer.

Power Sprayers, Nozzles, Attachments, etc., fully described in our 50-page Spray Pump Catalog. Don't buy an outfit without investigating the merits of our Spray Pumps

HOSE NOZZLES, SPRINKLERS, EXTRAS, ETC.



Garden and Spray Hose.

SPRAY NOZZLES.

Single Bordeaux (Best for Whitewash).....	\$0.75
Double Bordeaux	1.50
Single Vermorel (Very Fine Spray).....	.75
Two-Cluster Vermorel	1.50

GARDEN HOSE NOZZLES

No. 31—Diamond Nozzle.—Best for sprinkling; adjustable from solid stream to a fine spray.
Each 50c; postpaid 60c

HARDIE BAMBOO EXTENSIONS

These have seamless aluminum tubing, leakless stopcock, drip guard, lance and brass connections at each end.

Price: 6-foot \$2.50; 8-foot \$2.75; 10-foot \$3.00; 12-foot \$3.50. These are the lightest and best Extension Rods ever offered, and well worth the difference in price.

EXTENSION RODS—Ordinary

	Bamboo	Iron
6-foot	\$1.35	\$1.00
8-foot	1.50	1.10
10-foot	1.65	1.20
12-foot	1.80	

HOSE

We carry a good line of high-grade hose for spray pumps and garden purposes. We advise our customers to buy the best grade always.

SPECIAL SPRAY HOSE.—The highest grade spray hose made; guaranteed.
Price, ½-in. 26c foot

HIPPO (Non-Kinkable).— Guaranteed This hose gives excellent satisfaction. Good enough for any ordinary spraying outfit, and by far the best hose for florists' or gardeners' use. We have this on 500-foot reels, and cut any length wanted. Price, ½-in. 15c; ¾-in. 13c

Following Hose in 25 or 50-foot lengths only, coupled:

ANVILL

The best low-priced garden hose on the market. ½-in. 9c; ¾-in. 10c

No. 40—Hose Connections. ½-in. or ¾-in. 25c pair
Snap Hose Coupling.—New automatic device of real value. Complete 50c

Hose Washers. 10c dozen

No. 45—Brass Mender Tubes. ½-in. or ¾-in. 5c each, 50c dozen

No. 42—Hose Clamps. ½-in. or ¾-in. 5c each, 50c dozen

No. 44—Hose Clamps.—Double. ½-in. or ¾-in. 10c each, \$1.00 dozen

No. 38—Wire Hose Straps. ½-in. or ¾-in. 2c each, 25c dozen

No. 41—Dandy Hose Mender.—Best mender made, simple and quick; nothing to catch.

No. 43—Wire Hose Pliers. ½-in. 25c, ¾-in. 35c
25c each

LAWN SPRINKLER.

Pluvius Lawn Sprinkler.—(See cut.) \$1.35 each
Monarch or Midget.—Same style as above, only lower.

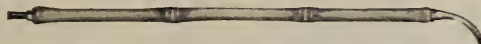
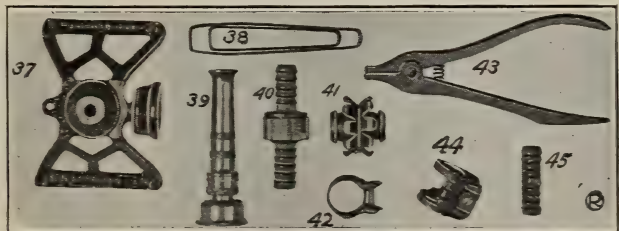
Busy Lawn Sprinkler.—(See cut.) \$1.15 each

Fountain Sprinkler.—(Circular, brass.) \$1.00 each

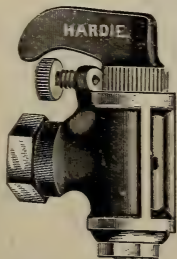
Little Wonder.—(See cut No. 37.) Good; covers 20 feet. 40c each



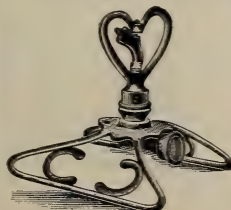
Pluvius Sprinkler



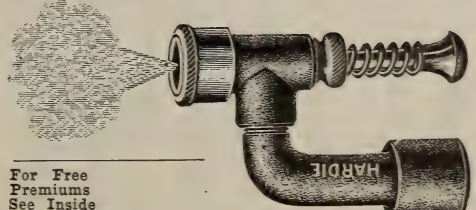
Bamboo Extension with "Lance" Attached



Bordeaux Spray Nozzle



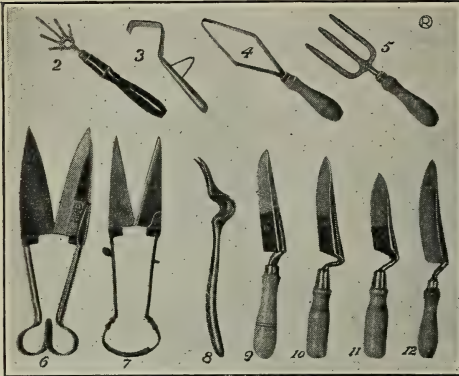
Busy Sprinkler



Vermorel Nozzle

For Free Premiums See Inside Front Cover

GARDEN TOOLS AND SUPPLIES—Continued.



- WEEDERS**
- | | | |
|----------------------------------|----------|-----|
| No. 2—Excelsior.—Five claws | Postpaid | 20c |
| 3—Langs.—Very handy and popular | | 25c |
| 4—Diamond.—Fine for small plants | | 25c |
| 5—Fork.—Fine for light digging | | 25c |
| 8—Vaughns Dandelion Puller.—Good | | 60c |

- GRASS SHEARS**
- | | |
|--|--------|
| No. 6—B B A.—6½-inch; very highest grade | \$1.75 |
| postpaid | \$2.00 |
| 7—460.—5½-inch blade; good value | 40c |
| postpaid | 65c |

- TROWELS**
- | | |
|---|-----|
| No. 9—Solid steel; 6-inch blade and shank | 35c |
| postpaid | 50c |
| 10—Best and strongest; all steel; 6-inch | 50c |
| postpaid | 65c |
| 11—Same as No. 10, only 5-inch blade | 40c |
| postpaid | 50c |
| 12—Best low-priced; 6-inch blade | 15c |
| postpaid | 25c |
| —Maynard.—6-inch; highest grade | 60c |
| postpaid | 75c |

- PRUNING SHEARS**
- | | |
|--|--------|
| No. 36—6-inch, nickel plated, spiral spring; best for rose bushes or light pruning | \$1.00 |
| postpaid | \$1.15 |
| 31—9-inch, bright finish, polished blade; good for hard service | \$1.00 |
| postpaid | \$1.15 |
| 32—9-inch, same as 31, only black finish | 75c |
| postpaid | 90c |
| 30—9-inch, full polish, double brass spring | \$1.50 |
| postpaid | \$1.70 |
| R-85—9-inch, Swiss, full polish, with extra blade; very fine steel, spiral spring, ratchet nut | \$1.75 |
| postpaid | \$2.00 |
| D-7—7-inch, nickel plated, spiral spring; light but strong | \$1.35 |
| postpaid | \$1.50 |
| 33—Black, with polished blade; best cheap shear | 35c |
| postpaid | 50c |
| 34—7-inch, Levin new style; good cheap shear | 50c |
| postpaid | 65c |
| 35—Extra spiral springs | 15c |

- PRUNING SAWS**
- | | |
|-------------------------------------|--------|
| No. 46—Duplex; double edge; 16-inch | 75c |
| 18-inch | 80c |
| California; curved blade, 16-inch | 75c |
| 18-inch | \$1.00 |

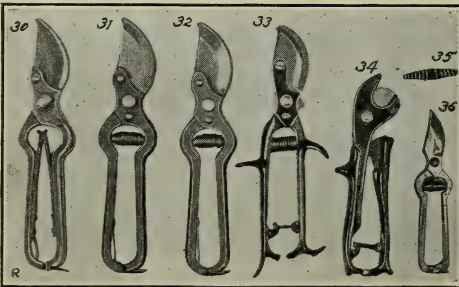
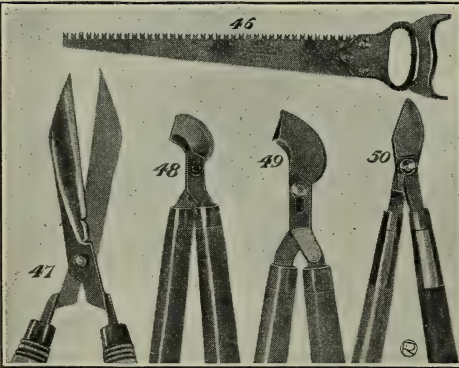
- BRANCH SHEARS**
- Something everyone with a few trees should have; cut easy and are most durable. (See cuts.)
- | | |
|---|--------|
| No. 48—Clyde.—Best cheap shear. 20-in. handle | \$1.00 |
| 22-in. | \$1.25 |
| 50—Fesno.—Long pointed blades of best steel; hardwood handles. 20-in. handle | \$1.25 |
| 26-in. | \$1.50 |
| 49—Red Clipper.—Draw cut with best tool steel blade; hook and shank held together with bolt and lock nut; hard maple handles; best for heavy work; cuts easy. 22-in. handle | \$1.75 |
| 24-in. | \$2.00 |
| 47—Hedge Shears.—9-inch, high grade steel blades | \$1.75 |

- TREE PRUNERS**
- Long handle tree pruners indispensable for pruning tall trees.
- | |
|---|
| Clyde.—No. 15, with spring 6 feet. 75c; 8 feet 90c; 10 feet \$1.00; 12 feet \$1.15. Cannot go by mail; freight or express, purchaser's expense. |
|---|
- Note.—This pruner has spring to release blade after cutting branch; no sticking or catching; extra blades 25c each, postpaid.

- BUDDING KNIVES**
- | | | |
|--|----------|--------|
| No. 20 | Postpaid | \$1.25 |
| No. 20½—Same as above; black handle | | 1.00 |
| No. 18—Ebony handle; stationery ivory bark opener | | 1.00 |
| No. 19—Wood handle; with good steel blade | | .85 |
| No. 14—Horn handle; for budding or pruning; 3 blades | | 1.50 |
| No. 16—Horn handle; for budding or pruning; 2 blades | | 1.00 |

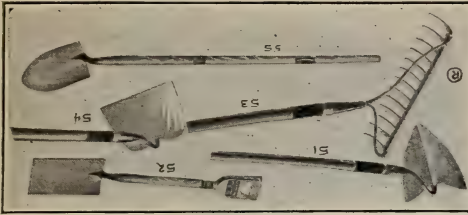
- PRUNING KNIVES**
- | | |
|---|--------|
| No. 15—Large wood handle; hook blade | \$.85 |
| No. 17—Same as above, only smaller | .50 |
| No. 13—Large horn handle; excellent blade | 1.25 |
| No. 3—Plain wood handle; stationery blade | .50 |

- GRAFTING KNIVES**
- | | |
|---|--------|
| No. 1—Plain wood handle; stationery blade | \$.35 |
| No. 2—Same as above, only smaller | .25 |



Space will not permit us to illustrate and describe all our garden tools. Call or write for prices on anything wanted.

- No. 51.—Best garden hoe; solid steel shank. 75c
 - 52.—Maynard spade, best quality \$1.50
 - 53.—Solid steel rake, 13 teeth. 80c
 - 54.—XXX flat hoe, best quality. 75c
 - 55.—Maynard steel shovel, very best. \$1.50
- The above are the very best. We have cheaper.
- Turf Edgers.—Solid steel shank. 60c
 - Potato Forks.—Four tines, 4-foot handle. \$1.25
 - Potato Hook.—Five round tines; goose neck. \$1.00
 - Floral Set.—Three pieces—hoe, spade, rake; fine for light gardening. \$1.25
 - Lady's Floral Set.—Four pieces, 9 inches long. 60c
 - Lawn Rake.—Reversible, 24 teeth, 60c; 36 teeth, \$1.00
 - Grass Hooks or Sickles.—Village blacksmith, hand-forged, 45c; bent handle, 50c.
 - Sickle Stones.—Three grades. 5c, 10c and 15c



JARDINIERES, FERN DISHES, ETC.

We carry a large and complete assortment of the best styles and latest designs. Limited catalog space will not permit us to illustrate and describe them, but we are sure we can please out-of-town customers if they will give us inside measurements required, and say how much they want to spend. 25c to \$5.00. Pamphlet on request.



FLOWER POTS, SAUCERS, ETC.
Printed list on request.

- LAWN MOWERS**
- Great American.—Ball-bearing, open cylinder, 5 blades, 10-inch wheel, solid cast steel butting knives, hardened in oil; steel balls of highest grade, placed in dust-proof steel cup; cuts close; easily adjusted. 15-inch, \$10.50; 17-inch, \$12.50; 19-inch, \$13.50; 20-inch, \$15.00.
 - Great America.—Closed cylinder, 3 blades, 7-inch wheel; hardened and tempered solid cast steel cutting knives, positively self-sharpening. 12-inch, \$7.00; 14-inch, \$8.00; 16-inch, \$9.00; 18-inch, \$10.50.
 - Great Americus.—Ball-bearing, 5 blades, best crucible, steel, hard tempered, shear-cutting; self-sharpening, 10-inch drive wheel. Once used, always used. 12-inch, \$9.00; 14-inch, \$9.50; 16-inch, \$10.00; 18-inch, \$12.00; 20-inch, \$13.50.
 - Faultless.—Best cheap lawn mower for money; has 3 blades tempered tool steel; good adjustment. 14-inch, \$3.50; 16-inch, \$4.00.

GRASS CATCHER

- Success.—Most handy and durable; canvas sides, galvanized bottom. Always ready. No. 1, for 14 to 17-inch mowers, \$2.00; No. 2, for 18 to 21-inch mowers, \$2.50.
- Simplex.—Good, cheap grass catcher; common sides, galvanized bottom wire frame. No. 1, for 14 to 17-inch mower, \$1.50; 18 to 21-inch \$2.00.

LAWN ROLLERS.—Free booklet. \$14.00
CAHOON BROADCAST SEEDER. \$3.50

TREE LABELS	25	100	M.
Painted, copper wired	\$.015	\$.025	\$1.50
Unpainted, iron wired	.10	.15	1.00
Aluminum wired	.60	2.00	
POT LABELS			
Painted, 4-inch	.10	.20	1.00
Painted, 5-inch	.15	.25	1.25
Painted, 6-inch	.15	.30	1.50
Painted, 10-inch	.25	.75	5.00

GARDEN OR ROSE STAKES

- Cedar.—Round; painted green, white top. Per doz. 3 ft. 75c; 3 1/2 ft. 80c; 4 ft. 85c; 5 ft. \$1.35; 6 ft. \$2.00.
- Bamboo.—Per dozen, 1 1/2 ft. 10c; 2 ft. 15c; 3 ft. 20c; 4 ft. 25c; 5 ft. 30c; 6 ft. 50c; 8 ft. 75c. Low price by the 100 or 1000.

FLORISTS' SUPPLIES

Glazing points.	Per M	75c
Mastica.	Per gal.	\$1.50
Mastica Machines.	Each	\$1.50
Moss.	Lb. 5c; 100 lbs.	\$4.00
Putty bulbs.	Each	75c
Tin foil.	Lb. 20c; 10 lbs.	\$1.50
Grafting wax	1/4-lb. 10c, postpaid	15c
Raffia.	lb. 25c, postpaid	50c

WIRE HANGING BASKETS

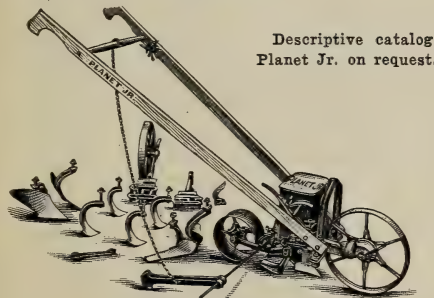
- 6-in. 15c; 8-in. 20c; 10-in. 25c; 12-in. 35c; 14-in. 50c

CORN PLANTERS

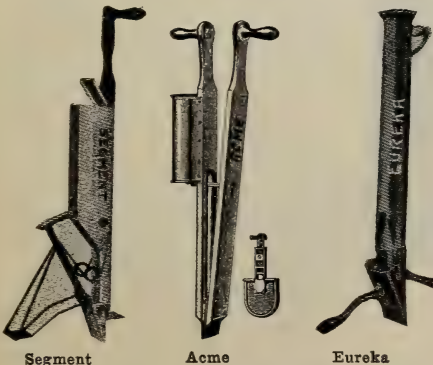
- Acme.—Two-hand type; weight 4 lbs.; length 35 inches; a popular and successful planter. Strong and durable; sure in its work. Will plant corn, peas and beans. (See cut.) Price \$1.00
- Segment Automatic.—One-hand type; weight 4 lbs.; length 34 inches. An excellent, handy and serviceable planter. Can be adjusted for corn, beans or peas. You plant accurately and evenly as fast as you walk. (See cut.) Price \$1.50

POTATO PLANTERS

- Eureka Tubular.—Weight 4 lbs.; length 36 inches. This is the lightest and best tubular planter made. With this planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. (See cut.) Price \$1.50
- Pingree.—Practically the same as the Eureka, without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. Price \$1.25



No. 25 Planet Jr.



Segment

Acme

Eureka

McCLANAHAN INCUBATORS AND BROODERS

These are the most successful and easiest operated machines that we know of, and the writer has operated and sold nearly every make in use on this coast. We enjoy selling them for they please our customers and do not make us any trouble. The secret is simply this, they are constructed upon the right principle, well built and sold reasonably. E. J. McClanahan knows his business; he learned it by 40 years' experience among chickens and incubators right here in Oregon. Every machine fully guaranteed. Don't hesitate; order an outfit now.

Forty-page illustrated and descriptive catalog, full of "plain facts" and reports from operators free on request.

GENERAL DESCRIPTION

The woodwork is all made of California redwood, put together by skilled labor. The hot water tank and boiler is made of 12-ounce cold-rolled copper, and is guaranteed for five (5) years. You need have no fear of these tanks leaking, for they are tested under heavy pressure before being put in the machines. The lamp flue is constructed so as to radiate the heat, which makes a great saving of oil. The water extends around the boiler, and the circulation is perfect. The incubator has a nursery drawer so chicks can be removed without disturbing the egg tray. The walls in the machine are double and lined with wool. Top and bottom is heavily padded, being so constructed that it is easy to keep an even temperature. Regulating device is very simple. A child



McClanahan Incubators

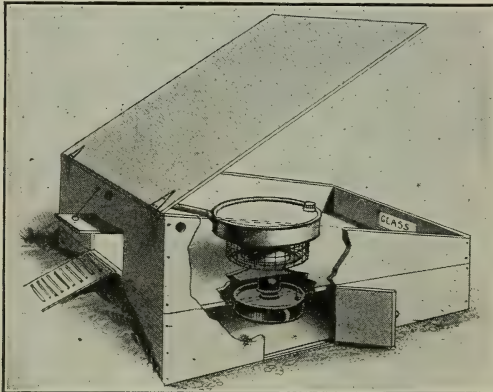
eight years old can operate it. Ventilation and circulation is perfect and easily controlled. These are practical hatchers. They will do perfect work.

Prices all complete and freight paid.

120-egg Incubator	Price \$14.00
160-egg Incubator	Price 17.00
240-egg Incubator	Price 21.00

McCLANAHAN BROODERS

Hot Water.—These brooders are very simple but perfect in construction. A few minutes a day is all the attention they require. Made of California redwood, well put together and properly equipped. Illustration shown herewith shows inside construction, position of lamp, hover, etc. These brooders will hold 150 chicks, but we do not advise any one to keep more than 100 chicks in a brooder. You cannot buy a better brooder at any price and we know of none so good. **Hot-Water Brooders, for inside or outside, \$10.00 each, complete.**

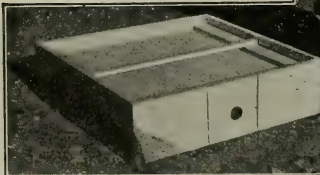
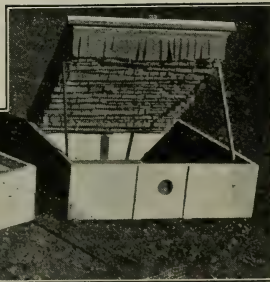


McClanahan Hot-Water Brooder

McClanahan Fireless Brooder.—The Fireless Brooder, those that are made right have made many friends and are becoming more popular each year. The McClanahan is made of redwood, and the hovering is made of the best felt that money can buy. These brooders are so constructed that the animal heat of the chicks is retained under the felt hovering, and keeps them in perfect condition. It is the most natural way, and many breeders like them better than any other style. They are especially adapted for use on this Coast on account of our mild weather. For use in cold sections, or very early in the spring, we, ourselves, believe that the heated brooder is preferable. Even under these conditions the Fireless makes an excellent second brooder for the older chicks. Price: **Outdoor \$6.00; Indoor \$5.00; freight prepaid.**

Freight Paid

We pay freight on these machines to your nearest railroad station.



McClanahan Fireless Brooder, Indoor

Mabel, Oregon, Sept. 23, 1910.

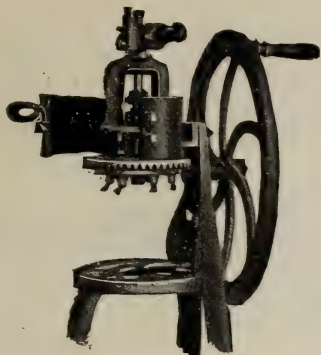
Mr. E. J. McClanahan.

Dear Sir: The Incubator that I bought of you this season proved to be a great success. Out of 110 eggs I hatched 104 chicks, and found the six eggs left were infertile. All other hatches were equally as good, and I recommend your Incubator to any one. Very truly yours,

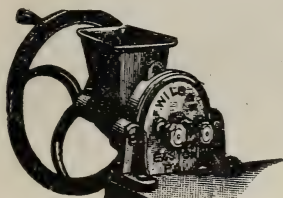
MRS. ALICE MORRIS.

POULTRY SUPPLIES

We aim to keep in stock all up-to-date and useful appliances for poultry raisers. If you want something not listed herewith, write us. We probably have it, or will gladly get it for you, saving you time and money.



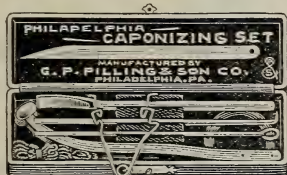
No. 7 Mann's



Wilson No. 1



Klean Drink



Davis Fountain



Lathrop Chick Server



BONE MILLS—

Mann's Green Bone Cutter.—Without any doubt the best and only successful green bone cutter on the market today. The No. 5-B at \$10.00 or No. 7-B on iron stand (see cut) at \$15.00 are the two best and most popular sellers. Descriptive pamphlet on request.

Wilson No. 1 Mill.—This is a practical mill, grinding all kinds of shell, crockery, grit, burr or dry bone, feed, etc. Instantly adjusted to grind coarse or fine. Every poultry keeper should have one of these mills. Weight 33 pounds. Diameter of hand wheel 20 inches. Price \$5.50

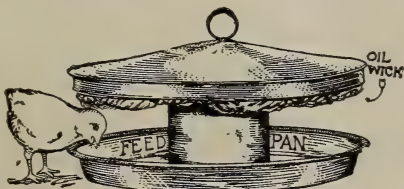
CAPONIZING TOOLS.—Poultrymen can double their profits by caponizing. The operation is very simple, the instructions are so full and explicit that any man, woman or child, after a careful reading, will be able to perform the operation.

Philadelphia Set.—Complete with instructions, \$2.50. In velvet-lined case like engraving, \$2.75. We send easy to use directions with every set.

DRINKING FOUNTAINS—

Klean Drink.—The neatest and best on the market; can be used for small grit or grain. A Mason fruit jar screws into the metal base or fountain. Hangs up on a nail (see cut). Everyone has old fruit jars; we don't furnish them at following prices:

- No. 1—For pint jar (brooder size) 20c each; \$2.00 doz.
 - No. 2—For pint or quart jar 25c each; \$2.50 doz.
 - No. 3—For 1 or 2-quart jars. 30c each; \$3.00 doz.
- Sample by mail 7c extra.



Automatic Chick Greaser

Davis.—For food or water; very similar to above except that it holds the jar or bottle in a different way and has compartments in the saucer or pan (see cut).

Small size (brooder). 25c each; \$2.50 dozen
Regular. 30c each; \$3.00 dozen

Lathrop Chick Server (see cut).—Very desirable for small chicks or brooder use. 30c each; \$3.00 dozen

Stone Fountain.—Keeps water cool; see cut (No. 1). 2-qt. 35c each; 4-qt. 50c

Galvanized.—(See cut No. 2.) Note the pointed top. 2-qt. each 35c

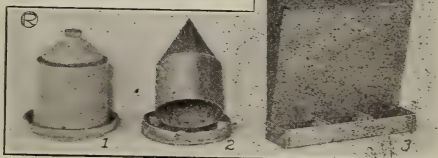
AUTOMATIC SELF-FEEDING BOX.—(See cut No. 3.) Made of heavy galvanized iron; soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all times. Price each 75c

AUTOMATIC CHICK GREASER.—See illustration bottom of page—every chick its own doctor.

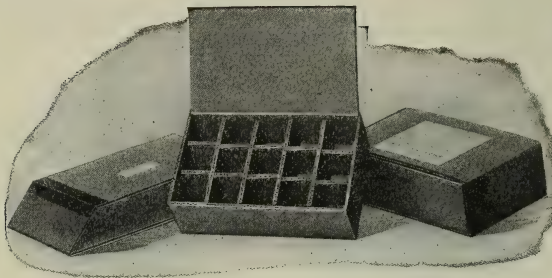
It is the large lice which collect on the heads of young chickens which cause them to droop and die; and formerly the only way to get rid of these lice was to catch each chick and rub grease on its head; but this slow and tedious process is not necessary since the invention of the Automatic Chick Greaser.

The wick around the upper part of the greaser is saturated with oil (a mixture of two-thirds lard and one-third kerosene or black oil) and every chick which eats out of the pan will get its head thoroughly greased in a very few minutes. This apparatus saves much time and trouble, and adds considerable to your profits. Price \$1.00 each

- No. 1. Stone Fountain
- No. 2. Galvanized Fountain
- No. 3. Automatic Feeder



POULTRY SUPPLIES—Continued



Anderson Egg Packer



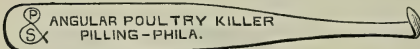
Open Band



LEADER BAND.



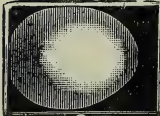
Cyphers Poultry Marker



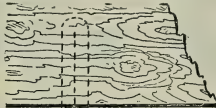
Reliable Poultry Marker



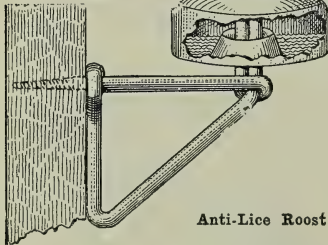
Pilling French Poultry Knife



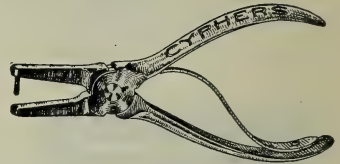
Nest Eggs



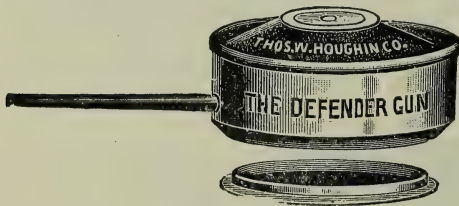
Anti-Lice Roost Holder



Egg Tester



Oakes Safety Lamp



Powder Gun

LEG BANDS FOR POULTRY AND PIGEONS—

Leader Leg Bands.—(See cut.) Adjustable; neat and smooth; aluminum.

12 for 20c; 25 for 35c; 50 for 60c; 100 for 85c, postpaid.

Open Bands.—For chicks or pigeons; adjustable. (See cut.) Same price as above.

LAMPS—

Oaks Hydro Safety.—Made especially for incubators and brooders; has a water jacket and is perfectly safe.

No. 1—7¾ inches high; 5/8-inch wick.....\$1.00
 No. 2—8 inches high; 1-inch wick..... 1.50
 No. 3—9 inches high; 1½-inch wick..... 1.75

NEST EGGS—

China. 3 for 10c; 12 for 25c, postpaid 50c
 Medicated.—Keep lice away. Each 10c

POULTRY MARKER—

Reliable.—(See cut. ¼ size.) Postpaid 25c
 Cyphers.—(See cut.) Postpaid 60c

POWDER GUNS—

Defender 10c, postpaid 15c; Jumbo 25c, postpaid 30c

ROOST HANGER—

Anti-Lice.—(See cut.) Fill the cup with lice killer or coal oil. Poultrymen should not be without them. Will keep the birds free from vermin.

Price: each 10c; per dozen \$1.00

EGG BOXES—

Anderson Folding Egg Boxes.—(See cut.) Best for shipping fancy eggs in. 15-egg size each 15c, doz. \$1.50; 30-egg size each 25c, dozen \$2.25; 50-egg size each 40c, dozen \$4.00.

Ideal Egg Boxes.—Hold one dozen eggs; very nice for private trade. \$1.00 per 100; \$10.50 per M.

EGG TESTERS.—(See cut.)

For Lamps.

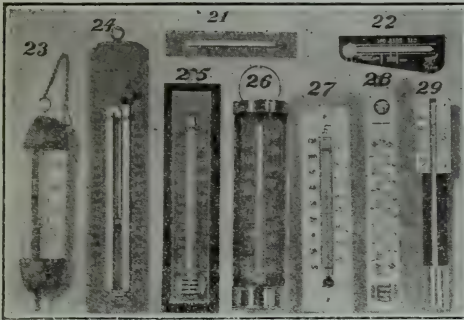
Postpaid 60c

KILLING KNIVES—

Pillings French.—Every poultry raiser should have one of our Killing Knives. They are made of a finely tempered instrument steel, with nickel handle; will last a life time. Sent postpaid on receipt of 60 cents. Don't wait! Send for one now! Sent securely packed by mail on receipt of price.

Pilling Angular Killing Knife.—By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water.

50c, postpaid



THERMOMETERS—(Taylor Bros. tested.)

		Postpaid
No. 21	—For brooder; popular style.....	\$.50
22	—High grade incubator.....	.75
22½	—Tyco's certified, for incubator.....	1.50
	Hygrometer; moisture thermometer, etc.	1.50
23	—Household; nickel or oxidized.....	2.25
24	—Greenhouse; records high and low.....	2.25
25	—Household; metal on wood.....	.90
26	—Household; tin case, 8-inch.....	.75
27	—Household; plate glass back.....	1.15
28	—Household; 8-in.; wood back.....	.50
29	—Brooder; new style.....	.75
Hot Bed.	—For plunging in hot beds.....	2.00

WIRE NETTING FOR POULTRY RUNS AND TRELLISES, ETC.

	12-in.	18-in.	24-in.	30-in.	36-in.	48-in.	60-in.	72-in.
2-inch mesh	\$1.00	\$1.50	\$2.00	\$2.50	\$2.90	\$3.80	\$ 4.75	\$ 5.65
1-inch mesh	2.35	3.50	4.70	5.85	7.00	9.30	11.50	13.75

Short lengths, 2-inch mesh, 1c square foot; 1-inch mesh, 3c. Prices subject to change without notice.



Routledge "Highest Quality" POULTRY FOODS, ETC.



If there is some particular brand of food or remedy you want, order it, and if it's to be had in the city we will get it for you; otherwise send you such stock that we know is good.

R. R.'S CHICK FOOD.—A complete food for baby chicks from shell until 8 or 10 weeks old. It is composed of cracked grain, small seeds, charcoal, bone and grit. (No screenings or waste.) Prepared especially for the successful rearing of chicks, pheasants, quail, etc. It should be fed dry. It is clean to handle and always ready; the most economical and cheapest food you can buy or prepare.
Price, 10 lbs. 40c; 100 lbs. \$3.00

GRIT.—Every poultry raiser should keep a supply of this grit in each pen. Made in two sizes, chick and hen size. We always send hen size unless otherwise ordered.
Price, 5 lbs. 15c; 100 lbs. \$1.50

CHARCOAL.—Our Charcoal is guaranteed, prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion; a health preserver.
Price, 1 lb. 10c; 10 lbs. 75c

HIGH-GRADE BEEF SCRAPS.—A pure beef product, perfectly prepared, fine ground and clean. The highest feeding value yet produced.
Price, 5 lbs. 25c; 50 lbs. \$2.25; 100 lbs. \$4.00

GRANULATED BONE.—Made from selected hard, white, raw bones, and of a superior quality; an indispensable food for laying hens.
Price, 5 lbs. 20c; 10 lbs. 30c; 100 lbs. \$2.25

HIGH-GRADE MEAT MEAL.—A highly concentrated food. It is cooked meat, dried and ground. Very rich in protein. It should be mixed with the soft food.
5 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.50

OYSTER SHELLS, CRUSHED.—We offer nice, clean stock, free from dust and waste. These should be within reach of your hens at all times. In two sizes, coarse and fine.
Price, 5 lbs. 15c; 100 lbs. \$1.50
Western. 5 lbs. 10c; 100 lbs. \$1.35

CLOVER OR ALFALFA MEAL.—The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.
Price, 1 lb. 5c; 10 lbs. 35c; 100 lbs. \$1.50

POULTRY PEPPER.—A good tonic and invigorator; ground.
Price, 1 lb. 25c; 5 lbs. \$1.00

R. R.'S SCRATCH FOOD.—A complete ration for large chicks or full-grown poultry. It is a perfectly balanced feed, composed of a variety of grains, mixed with the proper amount of beef, fresh granulated bone, charcoal, grit and shell. Will keep your poultry in perfect condition. It makes an excellent and profitable food. You can't mix it as cheaply as we sell it, if you mix it right.
Price, 10 lbs. 40c; 100 lbs. \$2.50

R. R.'S EGG FOOD.—Especially recommended for growing stock and laying hens. A delightful morning food for your birds. Contains all the necessary food elements for eggs and feathers. Will make every hen a paying hen. If you want vigorous, healthy poultry, feed this food, either dry or as a mash, and hot or cold, according to the season.
Price, 10 lbs. 40c; 100 lbs. \$2.50

BLOOD MEAL.—The most highly concentrated egg-producer on the market. To be fed in soft food. Unexcelled as a food for forcing growth of chicks or as an egg food.
Price, 5 lbs. 40c; 10 lbs. 60c; 100 lbs. \$3.75

OTHER FOODS AND SUPPLIES

The rush of our Fall business prevented us from taking time to make satisfactory arrangements early enough with the various manufacturers to enable us to get stocks and prices together so as to catalog the different lines we intend to handle. However, we will be very glad to procure any particular article wanted by any of our customers. Order anything catalogued by reliable Western houses and we will procure it for you, thereby making combined shipments and saving you time and money.

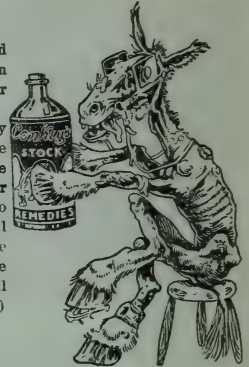
CONKEY'S POULTRY & STOCK REMEDIES



Don't
Worry!
Conkey
Will Cure
Me.

We handle a complete line of these celebrated remedies which have built their reputation upon the scientific basis of one remedy for each disease.

A "Cure All" is not made by the Conkey Company. Each remedy is intended to serve one special purpose and serve it well. These goods are absolutely guaranteed and we offer them to you on this basis: If they fail to satisfy you in any particular, your money will be refunded to you cheerfully. Limited space will not permit descriptions of each of these remarkable remedies, but we will gladly mail Conkey's 72-page descriptive book (price 50c) free to you if interested.



CONKEY'S STOCK REMEDIES—

- Stock Vigor.—For horses, cows, sheep and hogs. 25c, 50c and \$1.00 pkgs.; pails \$3.50
- Healing Powder.—For gall sores or wounds. 50c postpaid (sample free)
- Worm Powder. 50c postpaid
- Hoof Remedy.—The very best. Pint 50c; quart 75c; ½-gallon \$1.25; gallon \$2.00
- Dip and Disinfectant.—Best sheep dip made. ½-gallon 75c; gallon \$1.25; 5 gallons \$5.00
- Horse Tonic.—For worn out horses. \$2.00
- Fever Remedy.—Distemper or epizootic. \$1.00
- Absorbent.—For spavins, etc. \$1.00
- Pain Lotion.—For swellings, etc. 50c
- Colic Remedy.—Just a few drops on the tongue; effective. 50c
- Heave Remedy.—Wonderful remedy. \$1.00
- Nox-i-cide.—Best disinfectant. Pint 35c; quart 60c; ½-gallon 90c; gallon \$1.50

CONKEY'S POULTRY REMEDIES—

- Roup Remedy.—This is the best known remedy for roup. Price, 25c, 50c and \$1.00, postpaid
- Lice Powder.—The most effective lice powder for body lice ever made. It kills them on the spot. Liberal samples for 4c in stamps. Prices: 5-oz. pkg. 10c or 15c, postpaid; 15-oz. 25c or 40c, postpaid; 48-oz. 50c; express extra.
- Lice Liquid.—A powerful liquid that will destroy the thousands of red mites that live in the cracks and crevices of the house and nests in the day and swarm the fowls' bodies at night. You can't reach them with a powder. 1 qt. 35c; 2 qts. 60c; 1 gal. \$1.00; express extra
- Head Lice Ointment.—Save your little chicks from the ravages of the deadly head lice. Absolutely harmless to the little chicks. Easy to apply. 10c and 25c, postpaid
- Conkey's Laying Tonic.—This actually makes hens lay without harming them. There is not one particle of filler in this tonic. It means vigor in your fowls, which is the greatest egg-producer known. 1½ lbs. 25c; 3½ lbs. 50c; 7 lbs. \$1.00; 25 lbs., pail \$3.00; expressage extra.

- White Diarrhoea Remedy. 50c postpaid
- Bronchitis Remedy. 50c postpaid
- Cholera Remedy. 25c and 50c postpaid
- Gape Remedy. 50c, or 60c postpaid
- Chicken Pox Remedy (for sore head). 50c, or 55c postpaid
- Limber Neck Remedy. 50c, or 55c postpaid
- Scaly Leg Remedy. 50c, or 55c postpaid
- Rheumatic Remedy. 50c, or 55c postpaid
- Healing Salve. 25c postpaid
- Poultry Laxative. 25c postpaid
- Flea Salve (for Southern Sticktight). 25c, or 30c postpaid

CONKEY'S DOG REMEDIES—

- Your dog is your best friend and is entitled to kind treatment and good care. For the ailments to which they are subject you will find nothing better than Conkey's Dog Remedies. They have been thoroughly tested, and are strongly endorsed by dog owners throughout the country. Guaranteed to satisfy you fully, or your money cheerfully refunded.
- Mange Remedy.—An absolute cure. Price 50c
 - Distemper Remedy.—This is an excellent remedy for this terrible disease. Price 50c; 60c postpaid
 - Dog Tonic. Price 50c, or 65c, express paid
 - Worm Drops.—Absolutely safe. Price 50c, or 65c, express paid
 - Nox-i-cide is a valuable disinfectant and germicide for the dog owner. Prices: 1 pint 35c; 1 quart 60c; 2 quarts 90c; 1 gallon \$1.50.

CONKEY'S SPECIALTIES—

- Ant Chaser.—Non-poisonous and harmless to children and animals. Price 25c a box
- Insect Killer.—Will destroy insects on bushes, plants and shrubs. Price 25c
- Bug & Moth Killer.—Will not stain anything. A sure and perfect insecticide. Price: 7 oz. 25c; 1 pt. 50c
- Fino.—This is a perfect disinfectant for household use without the disagreeable odor. Price: 7 oz. 25c; 1 pt. 50c

CONKEY'S FLY KNOCKER



Means peace to your stock and money in your pocket. It kills every fly it hits and drives the others away. The animals cannot fight flies and do their best for you. It does not harm the coat. It does not taint the milk. It allows the animal to give you the best from its food and rest. The horseman, the dairyman, the horseshoer, and all who have to deal with animals, claim that they are saving money by its use. Ask for special folder on this product; it will interest you. Prices, 1 qt. 35c; 2 qts. 60c; 1 gal. \$1.00, express extra. Guaranteed to do the work claimed or your money back—every cent of it.



GOLD FISH, GLOBES, FOOD, ETC.

An aquarium is a beautiful ornament. It suits everywhere, parlor, library, dining and sitting room, and may indeed be introduced in the apartments of the sick. The bright, active Gold Fish are very interesting, a perpetual source of amusement for both old and young folks. Children are always delighted with them. The care of Gold Fish is very simple. A little prepared Fish Food and change of water is all that is necessary.

The fish we offer are Oregon raised, acclimated and very hardy.

PRICES—Fancy Japanese Fan Tail, 25c to 35c each. Plain or Small Fan Tail, 1½ to 2 inches, 25c each; 2½ to 3½ inches, 35c to 50c each.

Outside shipments by express only and 10c extra is charged for a shipping bucket, which will hold 1 to 4 fish.

FISH FOOD, best imported wafer, large box, enough food for four fish for six months, 25c postpaid. Directions for feeding and care on each box.

FISH GLOBES, Hanging, with brass chain, each, ¼-gal., 50c; ¾-gal., 75c; 1-gal., \$1.00; 1½-gal., \$1.25. Standard (like illustration), each, ½-gal., \$1.25; ¾-gal. \$1.50; 1-gal. \$1.75; 1½-gal. \$2.00; 2-gal. \$2.50.



CANARY BIRDS.

Note.—Do not compare our prices with the irresponsible bird fakers, who sell for little prices and supply inferior stock and females for males, etc.

AMERICAN BRED.—Healthy, hardy, well-shaped birds, fine singers, all colors. Males, \$2.50 to \$3.00 each. Females, 75c to \$1.00; deep yellow, \$2.00.

HARTZ MOUNTAIN ROLLERS (Imported).—From the Hartz Mountains, Germany. Beautiful and incessant singers, hardy and thrive anywhere. Their cheery song is like sunshine to the soul; their bright plumage, active ways and cheerful dispositions make them the favorites and most popular. Males, \$5.00 each. Females, \$2.00 each.

ST. ANDREASBERG—Imported.—These are world-renowned and the sweetest singers. They are given three to six months' musical training to develop the long trills, flute notes, etc. Males, \$8.00 to \$10.00 each. Females, \$3.00 each.

Note.—Please remember, we offer only high-bred, guaranteed stock, in perfect condition.

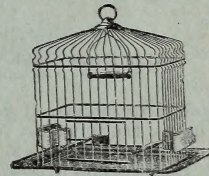
BIRD CAGES, ETC.

BRASS, with guard (which keeps the birds from throwing seeds and dirt out of the cages), 9½x6½ inches (floor), \$2.25; 10½x7½ inches, \$3.00; 10½x9¼ inches, \$3.50. Without guard, \$1.65; \$1.85 and \$2.25, respectively.

BRASS, Fancy Mission and Globe shapes, \$4.50 to \$6.50 each.

ENAMELED, with brass guards, low-priced, but good, \$2.00 to \$2.75 each. Without guards, \$1.00 to \$2.00 each.

EXTRAS.—Cups, 10c each; Springs, 10c each; Hooks, 25c each.



BIRD SEEDS AND REMEDIES.

We offer only the “Highest Quality” re-cleaned true, pure seeds. They cost more, of course, but if you expect your birds to do well, and keep in perfect condition, feed our bird foods.

German Bird Seed, mixed, for imported birds

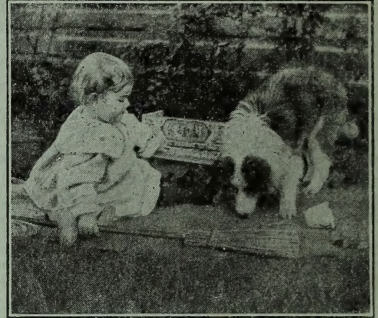
Ordinary Mixed Bird Seed.	15c lb., postpaid 25c
Pure Canary Seed.	10c lb., postpaid 20c
Sweet German Bird Rape.	15c lb., postpaid 25c
Re-cleaned Hemp.	10c lb., postpaid 20c
Silver Washed Bird Sand	10c lb., postpaid 25c
Cuttle Bone.	2 for 5c
Crystal Grit—very fine.	10c lb., postpaid 25c
Geisler's Canary Health Food.	15c pkg., postpaid 25c
Geisler's Song and Moulting Food.	15c lb., postpaid 25c
Geisler's Bird Biscuit—very valuable food.	10c, postpaid 20c
Geisler's Medicated Biscuit, for sickly birds.	15c, postpaid 25c

BIRD TONICS, ETC.

Geisler's Song Restorer.	25c bot., postpaid 35c
Geisler's Digestive Trouble.	25c bot., postpaid 35c
Geisler's Cold Remedy.	25c bot., postpaid 35c
Geisler's General Tonic.	25c bot., postpaid 35c
Geisler's Mite Exterminator—(Liquid). Use in bath.	10c bottle
Mite Powder.	10c pkg., postpaid 15c
Geisler's Parrot Biscuits.	25c pkg., postpaid 35c
Mixed Parrot Seeds.	15c lb., postpaid 25c
Sunflower Seeds.	15c lb., postpaid 25c
Corn for Parrots.	10c lb., postpaid 25c
Gravel for Parrots.	10c lb., postpaid 25c

SCOTCH COLLIES—PURE-BRED, PEDIGREED.

OUR "MASCOT"
Prize-winner Oregon State
Fair, 1910.



Buy a puppy to amuse and protect the "little one."

The Scotch Collie makes one of the best farm and home dogs, as they possess great intelligence, are easily taught, are quiet, tend to their own business and are faithful watch dogs. They are also handsome in appearance and make the most fashionable canine companions.

We can supply sable and white and black, tan and white. The latter is always preferred by stockmen.

Our puppies are from the best imported and American bred stock, and farm-raised, hardy and healthy.

We believe it is best for every one to buy a puppy. You can bring them up to suit your own ideas and ways. They are more faithful and generally give better satisfaction. When ordering, state for what purpose you wish the puppy and preference of color, and we are sure our selection will please you.

PRICE OF THOROUGHbred PUPPIES TWO TO THREE MONTHS OLD.

To bring the price within the reach of everybody, we make two or three selections in each litter, according to standard of points, color, markings, etc. None but choice pups shipped. Our prices are reasonable for such high breeding.

DOG PUPS, \$15.00; extra choice show pups, \$20.00 to \$25.00.

MATED PAIRS for breeding, \$25.00 to \$40.00; Bitch Pups, \$10.00 to \$15.00 and up.

SPAYED BITCH PUPS, \$12.50. Many people prefer these to a dog, for they are always at home and ready for duty.

We guarantee safe delivery any distance. Advice of shipping is sent by mail; also full pedigree of pups on Kennel Club blanks for registration.

THOROUGHbred POULTRY, AND EGGS FOR HATCHING.

ALL EGGS PACKED IN PATENT EGG CARRIERS THAT INSURE SAFE DELIVERY

Raise thoroughbreds; it costs no more (except to start), and you can always find a market for your surplus at fancy prices. Anyway, they are more satisfactory and much more profitable than "scrubs." Try them and you'll never go back to common stock.

We are in a position to supply you with most any breed of poultry or eggs. We know good stock and those who keep it, and can probably save you money. Write for prices in quantity or for stock not listed below. Exhibition birds come higher. Write.

NOTE.—Don't expect eggs or stock by return express or freight, for it takes several days, sometimes to get them in from the farm. We guarantee safe delivery of eggs or birds to any express office.

Prices of Stock and Eggs

Prices—White, Buff or Brown Leghorns, Black Minorcas, eggs, \$2.00 to \$2.50 per setting. Males, \$3.00 to \$5.00; females, \$2.00 to \$2.50 each.

White or Barred Plymouth Rocks, White or Silver Laced Wyandotte, Rhode Island Reds, Buff Orpingtons, Pekin Ducks, eggs, \$2.50 to \$3.00 per setting. Males, \$5.00 to \$7.00; females, \$2.50 to \$3.00 each.



We'll send you any priced stock you want. Remember, **QUALITY** makes the price.

Breeders in the vicinity of Portland are requested to list their surplus birds and eggs with us.

REFERENCE TABLES

Quantity of Seed Required to Produce a Given Number of Plants and Sow an Acre

	Quantity per acre	Quantity per acre	
Artichoke, 1 oz., to 500 plants.....	.6 oz.	Grass—Orchard, Perennial, Rye, Red Top, Fowl Meadow, Wood Meadow.....	.2 bu.
Asparagus, 1 oz. to 800 plants.....	.7 lb.	Horse Radish Roots.....	10.00 to 15.000
Asparagus Roots.....	5000 to 10,000	Kale, 1 oz. to 5000 plants.....	.4 oz.
Barley.....	2 to 2½ bu.	Kaffir Corn, in drills.....	.6 to 8 lbs.
Beans, dwarf, 1 lb. to 100 ft. of drill.....	.1 bu.	Kohl Rabi, 1 oz. to 100 ft. of drill.....	.4 lbs.
Pole, 1 lb. to 100 hills.....	¼ bu.	Leek, 1 oz. to 100 ft. of drill.....	.4 lbs.
Beet, garden, 1 oz. to 100 ft. drill.....	.7 lbs.	Lettuce, 1 oz. to 150 ft. of drill.....	.3 lbs.
Mangel, 1 oz. to 75 ft. of drill.....	.5 lbs.	Millet, for seed, 12 lbs., for hay.....	.20 lbs.
Broccoli, 1 oz. to 2000 plants.....	.4 oz.	Melon, Musk, 2 oz. to 100 hills.....	.2 to 3 lbs.
Brussels Sprouts, 1 oz. to 2000 plants.....	.4 oz.	Water, 4 oz. to 100 hills.....	.2 to 4 lbs.
Broom Corn, in drills.....	.15 lbs.	Nasturtium, 1 oz. to 20 ft. of drill.....	.2 to 3 bu.
Buckwheat.....	½ to 1 bu.	Oats.....	.8 to 15 lbs.
Cabbage, 1 oz. to 2000 plants.....	.4 oz.	Okra, 1 oz. to 100 ft. of drill.....	.60 to 85 lbs.
Carrot, ½ oz. to 100 ft. of drill.....	.3 lbs.	1 oz. to 150 ft. of drill.....	.4 to 5 lbs.
Cauliflower, 1 oz. to 3000 plants.....	.3 oz.	Onion Sets, 1 qt. to 40 ft. of drill.....	.8 bu.
Celery, 1 oz. to 5000 plants.....	.4 oz.	Parsnips, 1 oz. to 150 ft. of drill.....	.3 lbs.
Cheat.....	.2 bu.	Parsley, 1 oz. to 150 ft. of drill.....	.3 lbs.
Chicory.....	.4 lbs.	Peas, Field.....	.2 bu.
Clover, Alsike and White.....	.6 to 8 lbs.	Garden, 1 lb. to 100 ft. of drill.....	.1 to 2 bu.
Alfalfa.....	.15 to 20 lbs.	Pepper, 1 oz. to 1000 plants.....	.3 to 4 lbs.
Crimson Trefoil.....	.10 to 15 lbs.	Pumpkin, ½ lb. to 100 hills.....	.10 lbs.
Red.....	.10 to 12 lbs.	Radish, 1 oz. to 100 ft. of drill.....	.3 to 5 lbs.
Collards, 1 oz. to 2000 plants.....	.4 oz.	Rape.....	1½ to 2 bu.
Corn-Wheat.....	.2 bu.	Rye.....	.6 lbs.
Corn, Pop (shelled).....	.8 to 10 lbs.	Salsify, 1 oz. to 100 ft. of drill.....	.100 lbs.
Sweet or Field, hills.....	.12 to 20 lbs.	Speltz.....	.8 lbs.
For soiling, drills.....	.2 bu.	Spinach, 1 oz. to 100 ft. of drill.....	.10 lbs.
Cress, ¾ oz. to 100 ft. of drill.....	.1 lb.	Sugar Cane, in drills.....	.8 lbs.
Cucumber, 1 oz. to 100 hills.....	.2 to 3 lbs.	Sunflower.....	.4 lbs.
Egg Plant, 1 oz. to 2000 plants.....	.4 oz.	Summer, 4 oz. to 100 hills.....	.3 lbs.
Endive, ¼ oz. to 100 ft. of drill.....	.4 lbs.	Winter, 8 oz. to 100 hills.....	.4 lbs.
Flax, broadcast.....	¾ bu.	Tomato, 1 oz. to 2000 plants.....	.3 oz.
Grass, Blue, Kentucky.....	.2 bu.	Tobacco, 1 oz. to 4000 plants.....	.2 to 3 lbs.
Meadow Fescue.....	.1 bu.	Turnip, 1 oz. to 150 ft. of drill.....	.2 bu.
Mixed Lawn.....	.5 to 6 bu.	Vetches.....	.1 bu.
Red Top.....	.2 bu.	With grain.....	.1½ to 2 bu.
Solid Seed.....	.12 to 15 lbs.	Wheat.....	.1½ to 2 bu.
Timothy.....	.12 to 15 lbs.		

WEIGHT OF VARIOUS SEEDS

	Per bushel	Per bushel	
Barley.....	48 lbs.	Oats.....	32 lbs.
Beans.....	60 lbs.	Onion Sets.....	32 lbs.
Buckwheat.....	48 lbs.	Peach Pits.....	48 lbs.
Canary Seed.....	60 lbs.	Peas, Smooth.....	60 lbs.
Cheat.....	34 lbs.	Peas, Wrinkled.....	56 lbs.
Clover Seed.....	60 lbs.	Perennial Rye.....	20 lbs.
Corn-Wheat.....	60 lbs.	Potatoes.....	60 lbs.
Corn, Shelled.....	56 lbs.	Rape.....	56 lbs.
Charcoal.....	22 lbs.	Rye.....	14 lbs.
Flax Seed.....	56 lbs.	Red Top.....	42 lbs.
Grass Seeds (unless otherwise stated).....	14 lbs.	Solid Seed.....	40 lbs.
Hemp Seed.....	44 lbs.	Speltz.....	45 lbs.
Hungarian.....	48 lbs.	Timothy Seed.....	60 lbs.
Lawn Grass.....	.20 lbs.	Vetches.....	.60 lbs.
Meadow Fescue.....	.24 lbs.	Wheat.....	.60 lbs.
Millet.....	48 lbs.		

SUITABLE DISTANCE FOR PLANTING FRUITS

<p>Note.—In planting in the home garden for hand cultivation, you can set plants or trees closer.</p>																																					
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NUMBER OF TREES OR PLANTS ON AN ACRE

24 by 18 inches.....	15,520	8 feet each way.....	680
2 feet each way.....	10,890	10 feet each way.....	430
2 by 3 feet.....	7,260	12 feet each way.....	302
3 feet each way.....	4,840	15 feet each way.....	194
3 by 1 foot.....	14,520	16 feet each way.....	170
3 by 4 feet.....	3,630	18 feet each way.....	135
4 feet each way.....	2,723	20 feet each way.....	110
4 by 1 foot.....	10,890	25 feet each way.....	70
4 by 2 feet.....	1,742	30 feet each way.....	48
5 feet each way.....	1,210	33 feet each way.....	40
6 feet each way.....	880	40 feet each way.....	28

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 or trees to the acre.

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Table Corn
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