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Do not assume content reflects current scientific knowledge, policies, or practices.
Seed and Nursery Book for 1931

"IT'S NOT A HOME UNTIL IT'S PLANTED"

Let us make you an Outdoor Living Room. (See Page 1)

Vegetable Seed Trials

PORTER-WALTON CO.
SALT LAKE CITY, UTAH

P.-W.'s "GOLD LINKS" GRASS MIXTURE

Prepared with the object of producing a thick turf that will stand the hard usage suffered by the average Fairway. For the Golf Course, Teeing Ground, Football and Polo Fields and other Athletic Grounds, or for the Lawn which has to withstand hard wear, this mixture will give perfect satisfaction. In order, please state whether low and wet, high and dry, sandy or clayey as the case may be, and we will send a mixture specially adapted to the condition you name. Where large tracts are shown, we quote special prices.

P.-W.'s Special Golf-Course Mixture for Fair-Greens.
10 lbs., $5.50; 25 lbs., $12.50; 100 lbs., $45.00.

P.-W.'s LAWN SEEDS

The lawn is the most important factor in the development of the home grounds. It furnishes the setting for the house and puts the finishing touch on an attractive home. Proper grass seed mixtures cannot be selected and compounded in a haphazard manner. It requires precise knowledge and experience to produce a formula that will meet the varying condition of soil, situation and climate and produce a satisfactory sward. Through years of experimentation we have developed Lawn Grass Mixtures which we can unhesitatingly recommend. They are composed of only plump, clean, vigorous seeds which are sure to produce satisfactory results.

HOW TO MAKE A LAWN

The ground should be well spaded and thoroughly raked, so that the soil is fine and free from lumps and its surface smooth, even and firm. If a thick, heavy soil is wanted quickly, seed should be sown at the rate of one pound to 150 or 200 square feet. It takes twice as much seed to make a lawn as it does for raising hay and it happens that good results are not obtained on account of scanty seed. A dressing of granulated Peat

P.-W.'s LEAFLET ON "HOW TO MAKE AND CARE FOR A LAWN" SENT FREE UPON REQUEST—WRITE FOR COPY

P.-W.'s Velvet Green Lawn Mixture The best lawn seed experience can suggest or that money can buy. Produces a beautiful, permanent lawn in four to six weeks. By properly choosing early, medium and late grasses a smooth, even green lawn is assured from early spring to late autumn. In P.-W.'s Velvet Green Grass Seed are included only the very best varieties—pure, clean, and free from foul seed. Sow at rate of one pound to 200 square feet. Price: Lb., 75c; 3 lbs., $2.00. Postpaid. Not prepaid. Lb., 65c; 10 lbs., $6.00.

P.-W.'s Lawn Terrace Mixture This produces a deep-rooted, fine, green, closely interwoven, velvety surface, which will hold together under the most severe conditions. Price: Lb., 75c. Postpaid. Not prepaid. Lb., 75c; 10 lbs., $6.50.

Shady Nook Lawn Mixture Prepared especially for shady places where it is difficult to get a turf established. Lb., $1.00. Postpaid. Not prepaid. 90c lb.; 10 lbs., $8.50.

White Clover First class reelected seed. Specially selected for lawn use. Lb., 75c; 3 lbs., $2.00, postpaid. Not prepaid. Lb., 65c; 10 lbs., $8.00.

P.-W.'s Creeping Bent This is the true Creeping Bent Grass, which we are able to offer to the trade this season. P.-W.'s Creeping Bent has been harvested under close inspection. Especially recommended for Law and Golf Courses, for the reason that it makes an exceptionally fine turf that smothers out dandelions and other weeds. It is an ideal lawn grass, makes a very fine, green color, close sward and adapts itself readily to any soil. Sow in Fall or spring 3 to 4 pounds to 1,000 sq. ft. We offer the best obtainable grade of this species. 4 lbs., $1.75; 3 lbs., $5.00. Postpaid. Not postpaid. Lb., 65c; 10 lbs., $8.00.

Red Top Grass Finely reelected solid seed; in popular favor for lawn use as it is a close second to Kentucky Blue Grass. Lb., 65c. Postpaid. Not prepaid. Lb., 65c; 10 lbs., $3.75.

P.-W.'s Velvet Green Lawn Mixture Used on This Lawn For Complete list of Grass Seeds See Page 44.
Upper Left—Our Greenhouses at Centerville where germination tests are made. Soil tests to maturity are conducted "under ground trials" at our Centerville Seed Trial Grounds.

Lower Left—A field of young Peach Trees at our Centerville Nurseries.

Center—General Offices and store located at the corner of Richard Street at First South Street. Our Nursery Sales Yard is immediately across on Richard Street, very conveniently situated for both local and out-of-town visitors.

ABOUT PRICES AND DELIVERY

The Prices in This Catalog Cancel All Previous. All quotations on seeds, unless otherwise noted, are based on prepaid charges by us to your express or post office. Safe delivery is positively guaranteed. You are therefore, as close to us as your Post Office or Railway Station. These prices are as reasonable as we can sell in the quantities specified and will be adhered to during the season or as long as the stocks last.

YOUR SATISFACTION GUARANTEED OR PURCHASE PRICE REFUNDED

If such a rare circumstance should happen that your garden failed through the fault of planting material purchased from us, we will refill the order or refund the entire purchase price of the stock in question. No seedsmen in the world will do more, and most of them would do nothing after it is accepted and planted. Of course, we cannot guarantee or assume any responsibility for the crop, as we cannot control the weather, soils, moisture, pests and other agents which make for success or failure. Also as long as the human element is involved in the handling of stocks we are compelled to sell, subject to the following disclaimer adopted by the American Seed Trade Association: "The Porter-Walton Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds or plants it sends out and will in no way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once." We guarantee all nursery stock to leave us in a first class, live, growing condition. Responsibility rests with all customers to examine carefully upon arrival as we can assume no liability for failure to grow after nursery stock has been accepted and planted.

After 26 years of painstaking service, your patronage is solicited with the assurance that everything you receive labeled PORTER-WALTON has behind it the integrity and stability of a responsible house, characterized by dependable quality, high efficiency and a desire to please.

Seed Trial Grounds and Nurseries.
Centerville, Utah.
Nursery Sales Yard (Opposite City Store). Corner of Richards St. at First South, Salt Lake City, Utah.

Upper Right—Salt Lake City Seed and Nursery Warehouse, Building Nos. 1 and 2 provide frost and heat proof storage for Trees, Shrubs and Bulbs and No's. 3 and 4 house modern seed cleaning machinery and provide partial storage for Vegetable, Flower and Farm Seed Stocks. The combined storage capacity is 75 carloads.

Lower Right—A mid-season snapshot showing one of our fields of one-year-old Apple Trees at our Centerville Nursery. Like all the rest of our Fruit Stock, the above were budded from the choicest hearing trees, critically selected and carefully labeled by our expert nurserymen.

Trees, shrubs and seeds in quantity, poultry, supplies, etc., quoted "Not Prepaid" are F.O.B. Salt Lake City, and purchasers pay expenses of freight, express or parcel post. If wanted by parcel post, always send postage with the order. See back of "order blanks" to ascertain the amount of postage.

The Order Blank attached to this catalog will be convenient for customers and facilitate our filling orders (extra ones mailed free on request).
What is the View from YOUR rear window?

Do you see an attractive lawn where the trees in leafy splendor give welcome shade—where shrubs, with graceful foliage shut out undesirable views—where smiling flowers, nodding in the sunlight, beckon you out of doors?

Or do you see a picture which instinctively makes you want to turn away?

In the modern home, beauty does not stop at the window—it carries on into the garden beyond.

**You Should Have an Outdoor Living Room**—one costs so little and adds so much to the joy of living! Plan it as you would a room within your home. Let the sod provide a soft, velvety carpet of rich green. Plant trees, shrubs and evergreen to give privacy. Add color and fragrance by means of hardy flowers. Then set a few trees to provide comfortable shade and perhaps fruit for your table.

Do this and you will enjoy countless hours of pleasure and satisfaction. Here, in your outdoor living room, away from household cares and worries, you can work among shrubbery and flowers to your heart's content, free from prying eyes.

**A Safe Playground For Your Children**—here your children will delight to play in safety and happiness. And what a pleasure for the men, when the hot day is ended, to join the family in an impromptu picnic in the coolness and comfort of your outdoor living room.

**You Can Make All This Come True!**—Start planning right now. You'll be pleasantly surprised at the small investment required.

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**BEAUTIFY YOUR GROUNDS THE PORTER-WALTON WAY**

Upon receipt of sketch and information as outlined below, we will prepare a plan for you, incorporating original ideas, giving you a practical and artistic effect throughout the year.

This service is, in reality, rendered free of charge. Please send ALL information just as early as possible so we like to have plans to work on before the busy planting season begins.

**SEND JUST A SIMPLE SKETCH**

Your sketch need not be drawn to scale, but give all dimensions of buildings and lot. Show location of buildings on lot.

Give points of compass.

Show location, trees and shrubbery now on place.

Show location of all walks, drives, etc.

Give all grades, show terraces, etc.

Show any objectionable views to be screened.

Attach kodak views taken from north, south, east and west sides of lot.

Show where windows in first floor are placed.

Is house one, two or three stories?

Color of house—brick, frame or stone.

Height of foundation and windows.

Do you like a lot of shrubbery?

Do you want any hedges? Where preferred?

Do you want us to locate trees, drives and walks?

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**P.-W.'s OUTDOOR LIVING ROOM COLLECTION OFFER**

Just as a starter we here offer a dozen shrubs that will help make the framework of most Outdoor Living Rooms. In order to complete the planting other shrubs and plants will be needed. If you will give us the information asked for above, we will send a sketch showing proper placement of those offered here as well as suggest what will be necessary to make a beautiful completion.

This collection includes one each extra size large specimen shrub of the following varieties:

- *Amorpha Fruticosa*
- *Caragana Siberica*
- *Cytisus Japanese*
- *Deutzia Pride of Rochester*
- *Forsythia Fortunel*
- *Honeysuckle Tartarian*
- *Philadelphus Grandiflora*
- *Rhus Typhina*
- *Russian Olive*
- *Saskatchewan*
- *Syringa Vulgaris*
- *Tamarix*

Above too large for parcel post shipment, must be sent via Express or Freight.

12 Large Specimen Size Shrubs

All For $9.00

F.O.B. Salt Lake

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**NOTE**—For owners of larger places—Schools, Parks, etc.—We are prepared to make plans by mail, but suggest a personal survey by our Landscape Architect. Our terms are reasonable for such services and will be stated in correspondence.

**Let us Caution**—Do not be discouraged and give up the plan in case the cost of a complete planting seems to be beyond what you can afford to invest immediately. Plant the portion you can reach this year and when really necessary, leave the remainder for following years.

Planting to a well thought out plan will reward you handsomely in increased values as well as being a source of pride, joy, and satisfaction during the entire lifetime of the materials used.
FRUIT TREES

At our Centerville Nurseries we have a particularly fine lot of strong, healthy fruit trees. This stock has been selected and critically grown to meet the requirements of orchardists planting for eastern or local markets. We believe, also, those of our patrons who are planting a small orchard for home use will find sufficient variety to amply fill every want in the fruit line.

Average weight of Fruit Trees packed for shipment as an aid to determine carriage charges: The general run of fruit trees, either in bales or cases, average about as follows: 6 to 8 ft., 2 lbs. each; 4 to 6 ft. 1 lb. each; 3 to 4 ft., 1 lb. each; 2 to 3 ft., one-half of a lb. each; Grapevines, one-third of a lb. each.

FULL DIRECTIONS FOR CARE AND PLANTING FREE WITH EACH ORDER

It is very easy to transplant trees successfully if these directions are followed:

With "Our Quality Trees" the most inexperienced man can set out orchards with the highest degree of success. Certificate of Inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all shipments.

GUARANTEE OF GENUINENESS

Our Fruit Trees are all budded or grafted from bearing trees, and every care and precaution is exercised to have them true to name. With all our caution, mistakes are liable to be made; but we hold ourselves in readiness, on proper proof, to replace all trees and other stock that may prove untrue to label, free of charge, or refund the amount paid. It is mutually understood and agreed to between the purchaser and ourselves, however, that our guarantee of genuineness shall, in no case make us liable for any greater sum than that originally paid by us for the trees, etc., which may prove untrue.

GUARANTEE OF SAFE ARRIVAL IN GROWING CONDITION

Our trees and shrubs are most carefully inspected for vitality before orders are dispatched and carefully packed to endure the journey so they should reach you in "A-1" shape for planting. We are not responsible for damage to goods in transit, therefore, you must examine at the express or freight office and have any damage noted upon your express or freight receipt. We are always glad to replace goods injured in transit, providing receipt showing damage is returned to us so that we may enter claim and reimburse ourselves.

After stocks have been received and planted, failure to grow is entirely at the risk of the purchaser as we have no control over the planting, soil, culture, or the enemies of plant life, and, therefore, can assume no liability whatsoever regarding the continued growth and can make no replacements in case of failure.

"RED STEER" Fertilizer will greatly hasten and increase production. See page 22.

Apples

"The King of Fruits"—"An Apple a Day Keeps the Doctor Away"

No other fruit succeeds over so wide a range of territory and under such diversified climatic conditions, and no other fruit brings so sure a return to the grower in proportion to time and money expended upon its production, it has few rivals among cultivated fruits. Its mild and pleasant acid is a panacea for many of the ills that the human race is heir to. No fruit can be more pleasant to the palate or more beautiful to the eye than the rich, ripe apple when plucked from the tree or more luscious and beautiful when cooked.

The grades and prices are as follows, f.o.b. Salt Lake City:

<table>
<thead>
<tr>
<th>Height</th>
<th>Caliber</th>
<th>Each 10 to 20 to 40 to 60 Ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra...</td>
<td>5 ft. up</td>
<td>12 / 16 up</td>
</tr>
<tr>
<td>Home Or.</td>
<td>4 ft. up</td>
<td>9 / 16-11 / 16</td>
</tr>
<tr>
<td>Coml. Or.</td>
<td>3 1/2 ft. up</td>
<td>7 / 16</td>
</tr>
<tr>
<td>Mail...</td>
<td>2 1/2 ft. up</td>
<td>5 / 16-7 / 16</td>
</tr>
</tbody>
</table>

See page 5 to determine the number of trees required for an acre.

Autumn Varieties

Gravenstein—Yellow red striped, very large. Ripens in September.

Maiden’s Blush—Medium size, pale yellow with beautiful red cheek.

Twenty Oz. Pippin—Large yellow and striped. Good cooking apple.

Wealthy—Dark red, sub-acid. Trees bear very young.

Summer Varieties

Red Astrachan—Fruit large, beautiful deep crimson yellow. Ripens July and August.

Early Harvest—Medium size, nearly round, pale yellow, July and August.

Red June—Medium size, oblong, red, flush white and Juicy, sub-acid. Ripens in July.

Yellow Transparent—One of the earliest, pale yellow when ripe; good quality, succeeds well in cold climates. Ripens in July.

Winter Varieties

Red Delicious—Large, handsomely winter apple, delightful flavor, ripens late fall.

Golden Russet—Good medium sized early winter apple. Russet brown turning golden yellow when ripe. Excellent flavor.

Marines Golden Pippin—Rich, gold-en-yellow; flesh tender, juicy and rich, November to December.

Jonathan—Excellent tall tree, the best apple in regard to flavor and quality ever grown in America. Deep red.

McIntosh Red—Large, all red; good keeper.

Northwestern Greening—Fruit large; flesh yellow and fine flavored.

Crab Apples

These miniature apples are highly esteemed for making jelly; extremely prolific bearers. Every Home Orchard should have at least one or more trees.

Rhode Island Greening—Large greenish-yellow.

Rome Beauty—Fruit large, yellow with red; good quality and long keeper.

Spitzburg—Medium to large, all-over bright red, finely darker striped and dotted. Flesh tinged with yellow, sprightly sub-acid, juicy and aromatic.

Sap—Smooth, greenish-yellow, splashed and striped with red and purple.

Winter Pearmain—Pale yellow; flesh yellow, juicy, tender.

Winter Bananas—Flesh goldenyellow; fine grained and juicy.
Apricots

For canning, evaporating and drying purposes, as well as for use in the fresh state, the fruit can hardly be excelled.

Height Caliper Each 10 to 20 to 40 to
Extra 5' up 12/16 up $1.00 75c 55c 35c
Hold. Or. 5' up 9/16-11/16 65c 55c 35c 50c
Com. 3' up 7/16-9/16 55c 45c 35c 40c
Mail 2' up 5/16-7/16 50c 40c 30c 30c

P-W's Chinese—Large, round, deep yellow. Late June.

Jones—Similar in most every respect to P-W's Chinese highly prized locally.

Nectarines

The Nectarine has a smooth skin like the plum. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is reminiscent of both, but with an added deliciousness all its own. Set trees 10 to 15 feet apart.

Boston—Bright yellow, red cheek; flesh yellow, freestone. Fine flavor.

Standard Size—Each, $1.00; $9.00 per 10.

Mail Size—Each, $5c; $7.50 per 10.

Quince

Orange Quince—Large; roundish, with short neck; beautiful bright golden yellow; an old favorite for making jelly. Standard size, $1.25 each; $10.00 per 10.

Cherries

Should be planted in light, well drained soils. It is a brisk market demand, and in localities where they home orchard is complete without a few "Sweet" Cherry or Pie Cherry Trees. Sizes according to grade are as follows:

SWEET CHERRIES

| Height up to 6 ft. | Caliper | 10 to 20 to 40 to 50 to
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Extra</td>
<td>5 ft.</td>
<td>$1.00 75c 55c 35c 25c</td>
</tr>
<tr>
<td>Hold. Or.</td>
<td>3 ft.</td>
<td>50c 40c 40c 35c 35c</td>
</tr>
<tr>
<td>Com.</td>
<td>2 ft.</td>
<td>45c 40c 35c 30c 25c</td>
</tr>
</tbody>
</table>

Black Tartarian—Very large, purplish-black, mild and sweet. Ripens first of July.

Windsor—Fruit large; heavy bearer; beautiful dark color, almost black.

SOUR CHERRIES

Early Richmond—Medium, dark red; melting juicy.

May Duke—Fruit dark red; juicy and rich. June.

Peaches

Probably the finest of our fruits, everybody delights in the flavor of Peaches. Should plant in light soils; does not succeed well in low, heavy situations. Prices according to grades as follows:

USE "PARADOX" FOR PEACH BORER. (See Page 29)


Crawford’s Early—Freestone. Fruit very large, onlong, yellow with fine red cheek. Flesh yellow, juicy and sweet. August.

Crawford’s Late—Ripens September. Otherwise same as Crawford’s Early.

Greensboro—Double the size of Alexander, ripening at the same time. Flesh white, juicy and good. J. H. Hale—Large orange-yellow, considered by many superior to Elberta. Freestone.

Orange Cling—Very large; yellow with dark crimson cheek; flesh golden-yellow.

Health Cling—Large oblong, creamy white, rich and juicy; valuable canning peach.

May Flower—The earliest peach on the market; red all over; flavor excellent. Freestone.

Elberta—A leading market variety; large, handsome bright yellow overspread with crimson; juicy, fine shipper. Freestone.

Early Elberta—About ten days earlier than regular Elberta; otherwise similar.

Spanish Cling—Large; yellow, heavy bearer and one of our best Clings; fine shipper. In great demand being one of the first Clings to ripen.

Tuscan Cling—Large; yellow, heavy bearer and one of our best Clings; fine shipper. In great demand being one of the first Clings to ripen.

Prices on all above fruit stocks are F.O.B. Salt Lake City—we advise shipment via freight or express where possible. Mail and commercial orchard sizes can be forwarded parcel post when necessary. See page 2 to determine weights for computing postage.
PLUMS—PRUNES

<table>
<thead>
<tr>
<th>Height</th>
<th>Caliper</th>
<th>Each</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 ft.</td>
<td>1/2&quot;</td>
<td>90c</td>
<td>90c</td>
<td>90c</td>
</tr>
<tr>
<td>4 ft.</td>
<td>9/16&quot;</td>
<td>70c</td>
<td>60c</td>
<td>50c</td>
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<tr>
<td>3 ft.</td>
<td>7/16&quot;</td>
<td>65c</td>
<td>55c</td>
<td>45c</td>
</tr>
<tr>
<td>2½ ft.</td>
<td>5/16&quot;</td>
<td>50c</td>
<td>50c</td>
<td>40c</td>
</tr>
</tbody>
</table>

Burbank—Large, round, mottled red and yellow. July.


Peach—Very large; brown-red; flesh pale yellow. Ripens in early June.

Damson—Medium dark blue; flesh amber; good for preserving.

Marjorine Gage—Fruit pale green, rich and juicy.

Potawatamie—Excellent small plum for preserving.

Satsuma—A fine large plum; purplish-crimson; pit exceedingly small. Delicious flavor. July.

Jefferson—Fine large early red.

Ford—Fine green plum. This much larger than the old well known brown French and superior in every way. Fruit red and sweet.

Hungarian Prune—A large dark red.

Italian—Flavorful black—large oval, dark purple; flesh green-yellow; separates freely from stone; best for drying on the market.

Aug.-September. Best commercial sort.

PEARS

The cultivation of this noble fruit is extending as its value is appreciated. One important point in the management of the pear is to gather fruit in the proper time. Summer pears should be gathered at least ten days before they are ripe; and August pears at least a fortnight. Winter varieties may be left until there is danger of frost. Place in a dark room until fully matured. The pear succeeds on most soils, but probably does better on rather sandy loam. Prices according to grade as follows:

<table>
<thead>
<tr>
<th>Height</th>
<th>Caliper</th>
<th>Each</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>50</th>
<th>100</th>
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<tbody>
<tr>
<td>Extra...</td>
<td>5 ft. up</td>
<td>12/16&quot;</td>
<td>80c</td>
<td>70c</td>
<td>60c</td>
<td>50c</td>
<td>40c</td>
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<tr>
<td></td>
<td>7/16&quot;</td>
<td>65c</td>
<td>55c</td>
<td>45c</td>
<td>35c</td>
<td>30c</td>
<td>25c</td>
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<tr>
<td>Bartlett—Large, clear lemon yellow, highly flavored; very juicy. September.</td>
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<tr>
<td>Beurre D'Anjou—Large, of vigorous flavor; one of the leading late autumn varieties.</td>
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<tr>
<td>Keiffer's Hybrid—Rarely ever blights. Fruit of fine size, rich color and good quality. October and November.</td>
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<tr>
<td>Clapp's Favorite—Summer pear. Blending Bartlett. Ripens in August.</td>
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<tr>
<td>Seckel—Small, yellowish-brown, tender, juicy melting. Ripens October.</td>
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<tr>
<td>Winter Nellie—A good winter variety of medium size.</td>
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</table>

CHOICE SELECTION SMALL FRUIT

Nothing in fruit growing at the present is attracting more attention than berry growing. Under suitable conditions as to soil, proximity to market or shipping point there is nothing more profitable. Our local markets, even in small towns, are never overstocked and will take everything offered at remunerative prices.

Blackberries

Price—except where noted, each, 15c; ten, $1.25; 50, $4.50; 100, $8.00; 1000, $10.00. Each, except where noted, 50c.

Early Harvest—Berries uniform, glossy black; very early.

Rosenau—Splendid, large, very productive, without core, sweet rich flavor.

Wilson—Hardy, very sweet, juicy, a little later than Early Harvest.

Cory Thornless (New, Blackberry)—The big juicy berries often grow to a length of 2½ inches, having a small core, are almost seedless and the distinctive flavor is suggestive of the wild berry. They are richer and sweeter than other blackberries and yet have sufficient acidity to make the finest of jelly. The vigorous canes, without thorns, grow erect to a height of about five feet then assume a trailing habit, making a growth of 25 feet or more. Each, 50c; dozen, $1.00.

Lucretta Dewberries—(Creeping Blackberry)—Fruit very large, superb quality.

Raspberries

Price—Each, 15c; ten, $1.25; 50, $4.00; 100, $7.50; per 1000, $5.00, except where noted.

Cuthbert—The best large dark red.

Louden—Very fine flavored dark crimson.

Mariboro—Large early red, splendid for localities where season is short.

Cumberland (Black Cap)—A very popular market type.

Whitney—An old stand-by. Very productive. Jet black, good flavor. Each, 20c; ten, $1.50; 50c, $2.50; 100, $4.00.

St. Regis (New Everbearing Raspberry)—Has been aptly termed "the early till late" variety, for it is the first rased raspberry to give ripe fruit, while it continues to produce berries without interruption until late October. Unlike any other raspberry, St. Regis yields a crop of fine quality fruit all season and produces good planting. Each 20c; ten, $1.50; 50c, $2.50; 100, $10.00.

Loganberries

A hybrid between blackberry and raspberry. Fruit as large as 'breast blackberry and produces in large clusters. Each, 20c; ten, $2.50; 50c, $9.00; 100, $15.00.

Currants

Price—Except where noted, large 8-year-old roots, each, 30c; 10, $2.80; 50, $8.00; 100, $15.00; 1000, $125.00.

Fay's Prolific—Fruit large, bright red and good flavor.

Perfection—Large, bright red; most productive, new variety.

Utah Black (Native)—Black, rich, fine for jelly.

Lee's Prolific—Large black.

Gooseberries

Price—2-year-old stock plants, each, 30c; ten, $2.50; 50, $6.00; 100, $15.00; 1000, $50.00.

Oregon Champion—Splendid red, medium size, wonderful yielder.

Parrish—Small. This is the largest and finest in the list. Fruit very light green, almost white. Equally good for home or market. Each, 45c; ten, $4.00.

Strawberries

All our plants are put up uniformly in bunches 25 plants each.

Aroma—This variety bids fair to supplant Marshall among commercial growers. Large bright red berries both hardy and of great vigor to distant markets. 25c, 50c, $1.50; 100, $2.25; 1000, $15.00.

Marshall—As a large berry for home it is unsurpassed in a rich, glossy crimson. 25 plants, 50c; 50, $1.00; 100, $1.75; 500, $5.00.

Superb Everbearing—Yields good crops in June on the same plants that produced, from the previous fall season, 25 plants, $1.00; 50, $1.50; 100, $2.00; 500, $8.00; 1000, $15.00.

Mastodon Everbearing—Large juicy deep red berries, juicy and sweet, from June until heavy frost. The rich fragrant and exquisite aroma of the fruit is outstanding. It is one of the heavy yielders of the everbearing types. We are offering strong, well-rooted plants sure to bear the same season if planted early. Each, 100, $1.50; 500, $5.00; 250, $5.00; 100, $6.00; 50, $10.00; 1000, $18.00.

P.-W.'s New Mammoth Everbearing Strawberry

When the Mastodon Everbearing Strawberry appeared it was thought to be the last word in size and yield. Comparative tests have shown, however, that the new Mammoth Everbearing Strawberry is far its superior in size, color, flavor, and yield. Particular advantages in this new strawberry are the vines are more dwarf, the berries ripen earlier, easier harvested, much larger in size and firmer in texture, making it supreme as a market berry as well as for home use. The first ripe berries appear about a week earlier than Mastodon and continue to bear until late in the season. Undoubtedly P.-W.'s Early Mammoth will supplant all other types of everbearers.

Price—25 plants, $2.50; 50 plants, $4.50; 100 plants, $8.00; 1000, $50.00.
GRAPES

Prices except where noted, 2-year-old stock, each, 30c; Ten, $2.50; Fifty, $10.00; Hundred, $15.00; Thousand, $100.00.

Hardy American Varieties

Agawam—One of the best red varieties; large, pulp tender, sweet. August.

Campbell's Early — Large, nearly round, often an inch or more in diameter; black with light purple bloom; skin thin; flavor rich and sweet.

 Catawba—Red well known as a wine grape. Bunches large and loose, berries large, of coppery-red color, becoming purplish when well ripened.

Concord—Well known, reliable, deep purple. An old standby. Most popular grape on the market. Each, 10c; ten, $1.00; fifty, $15.00; hundred, $125.00; 1000, $75.00.

European Varieties

Must have winter protection or favored situations in Mountain States.

Black Malvoise—Berries large oblong, reddish black, very juicy. Malaga—Very large, oval, yellowish green berries. Flame Tokay—Large, sweet, red.

Prices: Any of above Each, 30c; Ten, $2.50; Fifty, $8.00; Hundred, $15.00; Thousand, $100.00.

Concord Grapes

TO INSURE LARGE YIELDS OF GOOD, CLEAN FRUIT, USE "RED STEER" FERTILIZER AND PROPER INSECTICIDES. (SEE PAGES 26-32.)

HOME ORCHARD FRUIT COLLECTION

Consist of One Each of Those Leading Varieties

1 Jonathan Apple 1 Delicious Apple 1 Bartlett Pear 1 Moorpark Apricot 1 Bing Cherry 1 Early Elberta Peach 1 Italian Prune 1 Concord Grape 1 Niagara Grape

All the Above Two-Year Stock, the entire Collection Delivered, All Charges Prepaid to your Express or Post Office FOR ONLY $400

NUMBER OF TREES OR PLANTS PER ACRE SET AT REGULAR DISTANCES

<table>
<thead>
<tr>
<th>Distance apart</th>
<th>No. of plants</th>
<th>Distance apart</th>
<th>No. of plants</th>
<th>Distance apart</th>
<th>No. of plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 by 4 inches</td>
<td>529,720</td>
<td>3/4 by 3 1/2 feet</td>
<td>2,150</td>
<td>13 by 14 feet</td>
<td>92</td>
</tr>
<tr>
<td>4 by 4 inches</td>
<td>399,040</td>
<td>5 by 1 feet</td>
<td>8,719</td>
<td>15 by 15 feet</td>
<td>103</td>
</tr>
<tr>
<td>5 by 4 inches</td>
<td>174,240</td>
<td>5 by 2 feet</td>
<td>4,356</td>
<td>16 by 15 feet</td>
<td>170</td>
</tr>
<tr>
<td>6 by 4 inches</td>
<td>14,560</td>
<td>5 by 3 feet</td>
<td>2,984</td>
<td>16 1/4 by 16 1/2 feet</td>
<td>160</td>
</tr>
<tr>
<td>1 1/2 by 1 1/2 feet</td>
<td>19,360</td>
<td>5 by 4 feet</td>
<td>2,178</td>
<td>17 by 17 feet</td>
<td>150</td>
</tr>
<tr>
<td>2 by 1 feet</td>
<td>21,780</td>
<td>5 1/2 by 5 1/2 feet</td>
<td>1,747</td>
<td>18 by 17 feet</td>
<td>131</td>
</tr>
<tr>
<td>3 by 1 feet</td>
<td>10,590</td>
<td>6 by 6 feet</td>
<td>1,500</td>
<td>18 1/2 by 18 feet</td>
<td>108</td>
</tr>
<tr>
<td>3 1/2 by 3 1/2 feet</td>
<td>4,410</td>
<td>6 1/4 by 6 1/4 feet</td>
<td>1,031</td>
<td>20 by 20 feet</td>
<td>98</td>
</tr>
<tr>
<td>4 by 3 feet</td>
<td>8,756</td>
<td>6 1/2 by 6 1/2 feet</td>
<td>868</td>
<td>25 by 25 feet</td>
<td>69</td>
</tr>
<tr>
<td>5 by 3 feet</td>
<td>5,555</td>
<td>6 3/4 by 6 3/4 feet</td>
<td>537</td>
<td>30 by 30 feet</td>
<td>48</td>
</tr>
<tr>
<td>6 by 4 feet</td>
<td>3,890</td>
<td>7 by 7 feet</td>
<td>357</td>
<td>40 by 40 feet</td>
<td>27</td>
</tr>
<tr>
<td>1 1/2 by 1 1/2 feet</td>
<td>8,415</td>
<td>8 by 8 feet</td>
<td>360</td>
<td>50 by 50 feet</td>
<td>17</td>
</tr>
<tr>
<td>2 by 1 1/2 feet</td>
<td>7,550</td>
<td>9 by 9 feet</td>
<td>393</td>
<td>60 by 60 feet</td>
<td>15</td>
</tr>
<tr>
<td>3 by 2 feet</td>
<td>2,722</td>
<td>10 by 10 feet</td>
<td>357</td>
<td>66 by 66 feet</td>
<td>10</td>
</tr>
</tbody>
</table>

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.

TABLE OF DISTANCES FOR PLANTING FRUIT TREES, ETC.

<table>
<thead>
<tr>
<th>Apples, 20 to 40 ft. each way</th>
<th>Apricots, 18 to 20 ft. each way</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pears, 20 to 40 ft. each way</td>
<td>Quinces, 15 ft. each way</td>
</tr>
<tr>
<td>Cherries, 20 to 25 ft. each way</td>
<td>Walnuts, 40 to 50 ft. each way</td>
</tr>
<tr>
<td>Plums, 20 to 25 ft. each way</td>
<td>currant, 2 to 4 ft. each way</td>
</tr>
<tr>
<td>Peaches, 18 to 20 ft. each way</td>
<td>Gooseberries, 3 to 4 ft. each way</td>
</tr>
<tr>
<td>Raspberries, 3 to ... ft. each way</td>
<td>Strawberries, 1 1/2 to 3 ft. each way</td>
</tr>
</tbody>
</table>

CORONA TREE WOUND DRESSING

This product is the outcome of several years of experimentation to obtain a tree wound dressing that really has some quality to it—in other words, a dressing that will not injure and drive back the living tissue, but will help the healing to go on in the quickest possible manner, and because it will not check, will retain its protective coating the longest possible time. Price: Quart, 75c; Gallon $2.50.

P.-W.'S SPECIAL MAIL SIZE ORNAMENTAL SHRUB COLLECTION

Regularly we always recommend and offer larger sizes but this exception is made to suit the needs of those whose service is necessary via parcel post.

Two or three feet from every shrub furnished will be well rooted, sound and vigorous. This collection consists of each of the following ten popular varieties:

<table>
<thead>
<tr>
<th>All for</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3.00</td>
</tr>
</tbody>
</table>

Postpaid
ORNAMENTAL TREES AND SHRUBS

A city street is not attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns a city more than fine shade trees. There is an untroubling loveliness as they continually change with the seasons. At the first breath of spring, the swelling buds open into dainty flowers, often inconspicuous, but none the less beautiful. Then follows the delicate tints of expanding leaves that deepen into the richness of mid-summer green. The chill of autumn brings new beauty into the myriad of gorgeous hues that come almost overnight.

The above snapshot shows a glimpse of the attractive home grounds of one of our Salt Lake City customers. By the judicious use of trees and shrubs a veritable wonderland of beauty has been created. To a greater or less degree your own grounds have similar possibilities. (See page 1).

Useful Information On Shrubs, Vines and Trees

Shrubs Having Attractive Berries

<table>
<thead>
<tr>
<th>Shrubs</th>
<th>Berries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mahonia</td>
<td>Pyracantha</td>
</tr>
<tr>
<td>Euphorbia</td>
<td>Snowberries</td>
</tr>
<tr>
<td>Cranberry</td>
<td>High Bush</td>
</tr>
<tr>
<td>Rhododendron</td>
<td></td>
</tr>
</tbody>
</table>

Shrubs for Shady Places

<table>
<thead>
<tr>
<th>Shrubs</th>
<th>Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weigela</td>
<td>Calycanthus</td>
</tr>
<tr>
<td>Honeysuckle</td>
<td>Nannyberry</td>
</tr>
<tr>
<td>False Spirea</td>
<td>Coral Berry</td>
</tr>
</tbody>
</table>

Shrubs for Wet Places

<table>
<thead>
<tr>
<th>Shrubs</th>
<th>Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypericum</td>
<td>Privet</td>
</tr>
<tr>
<td>Snowberry</td>
<td>Spirea Oulifolia</td>
</tr>
<tr>
<td>Mahonia Aquifolia</td>
<td></td>
</tr>
</tbody>
</table>

Trees Suitable for Street and Avenue Planting

<table>
<thead>
<tr>
<th>Trees</th>
<th>Planting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allanthus</td>
<td></td>
</tr>
<tr>
<td>Ash—Green, Blue Box Elder</td>
<td></td>
</tr>
<tr>
<td>Catalpa—Speciosa</td>
<td></td>
</tr>
<tr>
<td>Elm—American, English</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td></td>
</tr>
<tr>
<td>Horse Chestnut Locust</td>
<td></td>
</tr>
</tbody>
</table>

Trees with Colored Foliage

<table>
<thead>
<tr>
<th>Trees</th>
<th>Foliage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maple Schwederi</td>
<td>Purplish foliage</td>
</tr>
<tr>
<td>Prunus Pissardii (Leaves purple)</td>
<td></td>
</tr>
<tr>
<td>Poplar Bolleina</td>
<td>Silvery underneath leaves</td>
</tr>
</tbody>
</table>

Hardy Climbers for Shady Places

<table>
<thead>
<tr>
<th>Climbers</th>
<th>Shady Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celastrus Bittersweet, Ap-</td>
<td></td>
</tr>
<tr>
<td>los Tuberosa, Honeysuck-</td>
<td></td>
</tr>
<tr>
<td>le, English Ivy, Eupho-</td>
<td></td>
</tr>
<tr>
<td>nymous, Japanese</td>
<td></td>
</tr>
</tbody>
</table>

Climbers, for Hot Sunny Situations and Southern Aspect — Bignonia Radi-| Crambe, Clematis, Paniculata, Honeysuckle, Roses, Euphyllum.

Climbers for North Aspects — Ampelopsis Veitchii (Boston Ivy), English Ivy, Euphyllum.

Climbers for Eastern or Western Aspects — Ampelopsis Veitchii, Cinn-| Mahonia
| mon Vine, Matrimony Vine, Climbing Roses, Clematis, Wisteria          | Pyracantha

Climbers for Eastern or Western Aspects — Ampelopsis Veitchii, Cinn-| Mahonia
| mon Vine, Matrimony Vine, Climbing Roses, Clematis, Wisteria          | Pyracantha
Hardy Ornamental Vines and Creepers

Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish strong two-year-old field plants at prices given below.

_Ampelopsis_ (New Virginia Creeper) — A new variety of American Ivy which has long been desired. It has shorter joints and very much smaller and thicker foliage. It also is better equipped with tendrils, by which it will climb walls of stone or brick as closely as the Boston Ivy. Will grow in almost any soil and withstand drought and heat well. Each $0.65; ten for $5.00.

_Qinquesfolia_ (Virginia Creeper; American Ivy) — A strong, rapid grower; foliage large, dark green, in autumn, bronze and crimson. Valuable for covering back porches, outbuildings, arbors, etc. Perfectly hardy everywhere, and will grow in any soil and situation. Each, 60c; ten for $4.50.

_Veitchii_ (Boston or Japan Ivy) — One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. Each, 75c; ten, $5.00. Established in cans $1.00; $9.50 per ten.

These established plants do away with the difficulty some have experienced in getting Boston Ivy started.

_Aristolochia Sipho_ — Dutchman's Pipe Vine — A vigorous and rapid-growing climber, bearing brownish colored flowers which resemble a pipe in shape. This plant is, however, more admired for its light green leaves, which retain their color from early spring until the fall. 75c each, $6.50 per ten.

_Bignonia Radicans_ — Scarlet Trumpet Vine — For covering unsightly places, stumps, rockwork, or planting in crevices in ledges, the Bignonia Radicans is very useful. The flowers are large, attractive and showy, and when the plant attains a fair size, 75c each, $6.50 per ten.

_Celastrus Scandens_ — Boston Ivy — One of our native climbing plants of rapid growth, succeeding in almost any situation, sun or shade, with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit which usually remains on the plant throughout the winter. 75c each; $6.50 per ten.

_Euonymus_ — Radicans — This trailing form of Euonymus is particularly desirable for its dense deep green evergreen foliage. It is extremely hardy and useful for covering low foundation walls or may be grown through boxwood for an edging plant. Each, 75c; ten for $7.00.

_Radican veseta_ (Evergreen Bittersweet) — A strong-growing variety with larger leaves than the preceding, producing bright orange-red berries which remain on the plant the greater part of the winter. As a Hardy evergreen, this variety is unequalled. Each, 75c; ten for $7.00.

_Hederia_ (Helix) — English Ivy — The well-known variety with small leaves which has proved perfectly hardy, covering walls, loose rocks, fences, or trellises. 75c each; $6.50 per ten. Extra large plants $1.50 each.

_Hedera_ (Helix) — English Ivy — The well-known variety with small leaves which has proved perfectly hardy, covering walls, loose rocks, fences, or trellises. 75c each; $6.50 per ten. Extra large plants $1.50 each.

_Boston Ivy on Reel of House. Silver Moon Climbing Rose on Front. (See page 22)._ Honeysuckle

_Halliana (Hall's Japan Honeysuckle) — A strong, vigorous, almost evergreen plant; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. Extra-selected plants. Each, 75c; ten for $5.00.

_Scarlet Trumpet Honeysuckle — This and its varieties are the handsomest in cultivation. It is a strong, rapid grower and produces scarlet, inodorous flowers. Each, 75c; ten, $5.00.

_Henryi — A recent introduction from China, where it has been found at an altitude of 6,000 feet, with almost ever-green foliage and distinct flowers of a peculiar bronzy-red color, produced in graceful panicles early in summer. Each, 75c; ten for $5.00.

_Lycium (Chinense) — Matrimony Vine — Excellent for trellises or ranks. This small purple flowers in Summer are followed by scarlet berries which cling long through the winter. Makes a vigorous growth; if desired, it may be trained as a shrub. Each $0.50; 10c each; $4.50 per ten.

_Polygonum Auberti_ (Silver Lace Vine) — One of the most desirable flowering climbers. The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing through the summer and fall great foamy sprays of white flowers. Strong plants. $1.00 each; $9.50 per ten.


(Regular Price $4.35). All for $3.50 Postpaid

_Clematis_ (Purple) — A most beautiful climber of rapid growth. When well established it makes a growth of 15 to 20 feet in a season. Flowers violet blue. 1.00 each; $8.50 per ton.

_Clematis_ (White) — A white-flowering form of the above. 1.00 each; $8.50 per ton.

_Clematis_ (Multijuga Floreplena) — Long racemes of double purple flowers; very beautiful. Each, $2.00.

_Clematis_ (Jackmanii)
Both Public and Home Gardeners should have some of these beautiful specimens to give that bit of color needed to set off the rest of the planting.

All Evergreen Trees will be carefully dug with ball of earth about the roots and tightly sewed up burp and will stand transportation with little risk of loss. In planting it is not necessary to remove the burp. Place tree in properly prepared hole, cut burp in several places, firm earth tightly about ball of roots water and mulch.

All Evergreens are quoted f.o.b. and heavy for Parcel Post shipment.

**Juniper (Juniperus)**

*Irish*—Erect, slender and formal in habit; foliage sage-green, very compact, making a splendid column, sometimes 20 to 20 feet high; much used in city streets. 2-3 ft., $3.50; 3-4 ft., $5.00 each.

*Red Cedar* (J. Virginiana)—This is the well known native variety of our country and is very much appreciated where the softness in appearance is required in the landscape effect. 1½ to 2½ ft., $2.50; 2-3 ft., $4.00; 3-4 ft., $6.00; 4-5 ft., $8.00.

*Silver Blue Cedar* (J. Virginiana Glauca)—The entire young growths of this variety are silvery-white which changes as they develop to an attractive bluish green. 2-3 ft., $5.00; 3-4 ft., $7.50; 4-5 ft., $10.00.

*Pfitzer Juniper* (J. chinensis Pfitzeriana)—One of the handsomest of the semi-dwarf creeping Junipers. Of hilly form and elegant appearance. 1½ to 2½ ft. spread, $3.00; 2-3 ft. spread, $4.00; 3-4 ft., $6.00.

*Spory Greek Juniper* (J. Excelsa stricta)—This beautiful variety forms a tall, dense, narrow, conical head with a fine glaucous color. The growth is slow so that the tree is well adapted for foundation plantings, rock gardens, or other situations where small of dwarf trees are required. 18-24 in., $4.00; 2-3 ft., $6.00 each.

*Sabina Tamariscifolia* (Tamarix Savin Juniper)—An excellent creeping dwarf variety. The foliage is fine in texture. Average height is one foot, with a spread of 6 to 8 feet when full grown. A compact and perfect mat of bluish or gray-green. Grows very dense and never changes in color. Price, 18-24 in., $4.00 ea.; 2-3 ft., $5.00 ea.

**Pine (Pinus)**

*Austrian Pine*—The leaves are two in a sheath, straight and slender, from 4 to 5 inches long, of a deep rich green color. No tree shows such remarkable resistance to the trying conditions of city planting, Coal gas and smoky atmosphere have no effect on its growth.

*Mugo* (Dwarf Pine)—Leaves short, stiff and formal, thickly distributed over the branches in a crowded way somewhat similar to Austrian, with an equal depth and richness of color globular form. 12-15 in., $4.00; 15-18 in., $6.00.

Aside from the varieties and sizes listed in this catalog, we carry many other Evergreens. Write, or where possible, please call at our City Sales Yard or Centerville Nurseries and make your selections.

(See Group)

No. 1—Virginiana Juniper.

No. 2—Pfitzer Juniper.

No. 3—Oriental Arbor Vitae.

No. 4—Silver Blue Juniper.

No. 5—Colorado Spruce.

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**Thuya—Arbor-vitae**

*Thuya Globosa* (Globe Arbor-vitae)—Forms a dense, low, globular mound. Some shade of green. Diameter 12-18 in., $3.00; 18-24 in., $5.00.

*Thuya Pyramidalis Occidentalis* (Pyramidal Arbor-vitae)—Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. 18-24 in., $2.50; 2-3 ft., $4.00; 3-4 ft., $7.00; 4-5 ft., $10.00; 5-6 ft., $12.50; 6-8 ft., $17.00.

**Thuya (Berkemans Golden)**

*Orientalis Aurea Nana*

*Thuya Beverleyensis* (Golden Tinged Column Arborvitae)—15 to 20 in. The tallest and statelyest of Chinese Arborvitae's, growing into a narrow pyramidal column of golden green foliage especially adapted for pairing on either side of entrances. Should have plenty of sunshine to bring out the rich golden color. 18-24 in., $2.50 each; 2-3 ft., $4.00 each; 3-4 ft., $6.00 each; 5-6 ft., $8.00 each; 7-8 ft., $11.00 each; 8-9 ft., $15.00 each.

*Thuya Orientalis Aurea Nana* (Berkemans Dwarf Evergolden Arbor-vitae)—The most wanted arborvitae. Very dwarf golden tipped oval shape always shapely and beautiful. 10-12 in., $2.00; 12-15 in., $3.00; 15-18 in., $4.00; 18-24 in., $5.00; 24-30 in., $7.00; 30-36 in., $8.00.

*Thuya Orientalis Pyramidalis* (Chinese Arbor Vitae)—Comparatively low, broadly pyramidal tree. Color yellowish-green, dulling to bronze green in Winter. 18-24 in., $3.50; 2-3 ft., $4.00; 3-4 ft., $5.00; 4-5 ft., $7.50; 5-6 ft., $10.00.

---

Salt Lake City. We advise Freight or Express. Most sizes are too large.
Spruce
Colorado Blue Spruce (Picea Pun-gen Glaucus) — It is the rarest blue of any evergreen; very distinct in foliage and growth; fine compact habit. 12 in. to 18 in., $5.00 each; 1½-2 ft., $6.00 each; 2-3 ft., $9.00 each; 3-4 ft., $12.50 each.

Colorado Spruce (Picea Pungens) — Similar to above except foliage is light green color. 1-2 ft., $3.00; 2-3 ft., $4.50; 3-4 ft., $6.50.

White Fir (Abies Concolor) — It forms a compact, symmetrical tree, somewhat resembling the Blue Spruce. Both the upper and under sides of the needles are grayish-blue contrast to the usual characteristics of firs. 2-3 ft., $5.00 each.

EVERGREENS BROAD LEAF

Abelia
Abelia Grandiflora — 6 in. One of the prettiest shrubs witharching stems clothed in dark, glossy evergreen leaves. Small, fragrant flowers, tuft shape, shaded light rose on the outside and white inside are borne nearly every month in the year. Gal. cans, 2-3, $1.50 each; 3-4, $2.50 each.

Barberry (Wilson)
Berberis Wilsonae (Wilson Barberry) — 4 in. A beautiful hardy shrub with gray-green foliage turning a brilliant reddish-bronze in the Fall. Flowers golden-yellow in dense clusters, salmon-red berries in the Fall. 12-18 in., $4.00 each; 18-24 in., $2.50 each; 24-30 in., $3.00.

Cotoneaster
Simoni — White, June. Semi-evergreen quite erect. Leaves are dark green and usually adhere late in the season. Showy bright red fruit borne on the slender, erect branches all along the stems. H 6-7, S 5-6. Each $1.50.

Pannosa (Silverleaf Cotoneaster) — (H 8, S 6). Foliage a soft gray-green with silvery color on the underside of the leaves. White flowers in Spring followed by masses of dull silvery-red berries which remain Fall and Winter. Fast growing and of loose graceful habit. 2-3 ft., $1.25 each; 3-4 ft., $2.00 each.

Cotoneaster
Horizontalis — Low, flat, spreading, bright glossy green, very attractive. Covered in April with masses of tiny pink flowers and in the fall with minute, brilliant scarlet berries. The foliage also turns scarlet and it is practically deciduous in winter. 15-24 in., 2-3 ft., $3.50.

Euonymus
Japanese (E. Japonicus) — Fine, upright shrub of moderate size and rather compact growth. Foliage and bark are clear dark green.

Golden Variegated Euonymus (E. japonicus aures variegatus) — Branches green, leaves yellow in center, dark green around edges. Color about equally divided. Occasional leaves either all yellow or green.

Prices: Any of the above varieties, balled, 12 to 15 in., $1.50; 15 to 18 in., $2.50; 2 to 3 ft., $3.50; 3 to 4 ft., $4.00 each.

Laurel English
Laurus Corasus (English Laurel) — 5 to 8 ft. A heavy, dense, slow growing plant which makes a mass. Specimen shrub possible with large, thick, glossy green leaves in rounded shape. Ovational trimming, 1 ft., 2-3 ft., $3.00 each; 3-4 ft., $5.00 each.

Lonicerata nuda — 3 to 5 ft. A compact shrub with many very small leaves of graceful drooping habit. Likes the sun, and should be pruned often. 8-12 in., $1.25; 18-24 in., $3.50 each.

Mahonia
Aquifolia (Oregon Grape or Holly-leaved Ashberry) — A beautiful evergreen shrub with smooth, shining holly leaves; bright yellow flower clusters in May, and blue berries The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. Associates well with dwarf and medium shrubbery, of special value in shady locations. 15-18 in., $2.00 each; 18-24 in., $2.50 each; 2-3 ft., $3.50 each.

Nandina
Nandina domestica (Japanese Nandina) — 5 ft. A beautiful, upright growing dwarfish shrub. Leaves compound, with numerous small leaflets, rich red when young, dark green at maturity, and assuming beautiful coppery tones in winter. It thrives in any soil, and is quite hardy. In the autumn it is covered with showy clusters of red berries. 18-24 in., $2.50 each; 2-3 ft., $3.50 each.

Pyracantha (Firethorn)
Burning Bush. P. coccinea Lalandii) — Deservedly popular on account of its clean, upright growth, bearing to great profusion of small flowers in flat corymbs, which makes a mass. Specimen shrub possible with very large orange-red berries in early fall which remain on the plant until spring, firm green foliage. Attains height of 10 feet, but can be trimmed to any lower height desired. 18-24 in., $2.50 each; 2-3 ft., $3.50 each; 3-4 ft., $4.50 each.

VISITORS AT OUR NURSERY—ALWAYS WELCOME
Visit our Centerville Nursery and you will see thousands of both Conifer and Broadleaf types of Evergreen Shrubs and Trees, all sizes and stages of development from the very small rooted cuttings to the large specimen sizes.

The accompanying cut shows three Broadleaf varieties just as they have been dug and balled ready for delivery. No. 1 Cotoneaster pannosa, No. 2 Berberis Wilsonae, No. 3 Mahonia Aquifolia. These plants having been already several times transplanted, the entire root system is intact and, therefore, sure to grow.

We always have a large stock of entrance plants such as Boxwoods, Dracaena and Phoenix Palms and many others. Write us if what you want is missing from this list.
ORNAMENTAL TREES

Prices are for different sized trees, all f. o. b. our Nurseries or Salt Lake City. and in all cases good value will be
given, according to price charged. Ten per cent discount on orders of five trees or more of one variety or size. Special prices made on lots of 100 or more.

Allanthus (Tree of Heaven)
Glandulosa—A rapid growing, lofty
tree, long, elegant foliage. Exempt
from disease and insects. Useful
tropical effects, withstands dust and
smoke better than most any other
tree. 6-8 ft., $1.50 each; 8-10 ft.,
$2.00 each.

Ash
American White (Fraxinus Americani)—A rapid growing native tree of fine symmetrical outline. A val-
uable street or park tree. Timber is largely used. Price 4-6 feet, 50c each; 6-8 ft., $1.00 each; 8-10 ft.,
$1.75 each.

Blue Ash (Fraxinus Quadrangulata)—Very shapely symmetrical tree for Park or Avenue. Bark smooth of deep
blueish green, leaves larger than other
different varieties of Ash, deep green
changing in autumn to reddish purple. 6-8 ft.,
$3.50; 8-10 ft., $5.00.

Green Ash (Fraxinus Lanceolata)—Shapely round top with dark green foliage. Price, 4-6 ft., $1.00 each; 6-8 ft.,
$1.50 each; 8-10 ft., $2.00 each.

European Mountain Ash (Sorbus Aucuparia) (Rowan Tree)—Handsome small tree of erect growth. Leaves
pinnate, leaves serrate. Flowers white, in flat clusters, four or five
inches broad, followed by rather large,
red berries. Very handsome as any
season. 9-8 ft., $2.00 each; 8-10 ft.,
$2.50 each; 10-12 ft., $3.00 each.

Oak Leaf Mountain Ash (Sorbus Quercifolia)—Similar to “European”
extype leaves are shaped like the
oak. 4-6 ft., $2.00 each; 6-8 ft., $2.50
each.

Box Elder
Ash-Leaved Maple (Acer Negundo)—A fine, rapid-growing avenue tree,
withstands both cold and worn
thrive where other trees fail. 4-6 ft.
75c each; 6-8 ft., $1.00 each; 8-10 ft.
$1.50 each; 10-12 ft., $2.00 each.

Cut-Leafed Weeping Birch (Betula
alba pendula lacinata)—Very beauti-
ful form of European White Birch. The
main trunk, with snow-white bark,
grows straight as an arrow. Branches spread but slightly, while
the finer slender shoots hang vertically.
The foliage is fine and deeply cut. Many consider this one the most beautiful deciduous tree in cultivation. 4-6 ft.
$2.00 each; 6-8 ft., $3.25; 8-10 ft.,
$3.75; 10-12 ft., $4.50 each.

European White Birch (Betula
Alba)—Of which Coleridge says
“Most beautiful of forest trees, the
lady of the woods.” Tall, upright,
distinctive white bark. 6-8 feet, $2.00
each; 8-10 ft., $2.50 each.

Bungel (Umbrella Tree)—These
gorgeous globular-shaped tops being
grafted high on clean straight trunks form one of the most valuable trees
for landscape designing, especially for
formal effects. One year head, $2.60; two year old heads, $2.50.

Spicula (Western Catalpa)—Rapid
grower producing large panicles of fragrant flowers, delicately
marked with violet and yellow. 6-8 ft., $1.25 each; 8-10 ft., $1.75 each; 10-12 ft.,
$2.50 each.

Crab
Bechtold Double Flowering—Most
gorgeous of all the flowering Crabs;
hardy, of medium size, covered in
early spring with large, beautiful
double, fragrant flowers, resembling
small roses of a delicate pink. Ideal for
a small yard, 7-9 ft., $1.25; 3-4
ft, $1.50; 6-8 ft., $2.00 each.

New Chinese or Siberian Elm
(Douglas Elm)—This is one of the most
attractive small trees for small dis-
couraged areas, as showy in fruit as
when in bloom. 8-10 ft., $3.50; 8-10 ft.,
$5.00; 10-12 ft., $7.00.

Golden Chain (Laburnum Vulgare)
A rather small quick-growing tree with
soft, deep green foliage, bright leaves retaining their color until late
in Fall. Flowers fragrant, bright yel-
lo, in long, drooping racemes, dro-
ing yellow Wisteria borne on a
one to three feet. 4 to 6 ft., $1.50; 6-8 ft.,
$2.00.
Horse Chestnut
White Flowering (Aesculus hippocastanum) — A stately tree, handsome and large, with magnificently large white flowers, born in great profusion, in June; 6-8 ft., $2.75 each; 6-8 ft., $3.75 each; 8-10 ft., $6.00 each.

Linden
American (Tilia Americana) — A stately tree, handsome and large, with very large, shining cordate leaves. Valuable for its beautiful white flowers, its foliage appearing in yellow drooping clusters intensely fragrant. 6-8 ft., $2.75 each; 8-10 ft., $5.50.

European (Lime Tree) — Pyramidal shape, foliage similar to American Linden, but flowers in June, 6-8 ft., $3.50; 8-10 ft., $4.50 each.

Locust
Common or Black Locust (Robinia pseudoacacia) — A native American tree of extremely rapid growth, valuable for timber as well as quite ornamental. The flowers are in long, pendulous racemes, white and very fragrant, appearing in June. 4-6 ft., 50c each; 6-8 ft., 60c each; 8-10 ft., $1.00 each; 10-12 ft., $2.00; 12-14 ft., $2.50.

Pink-Flowering Locust (Robinia pseudoacacia) — A tree of extreme hardiness, tall, dark for its vigorous growth and time, pink-colored flowers, it pro- 


capeutic properties for its medicinal use.

Maples (Acer)
Silver (Diyasa serpens) — A large tree with wide-spreading branches and drooping branches. Very fast grow- 
ner, makes dense shade and thrives in any soil. 6-8 ft., $1.00 each; 8-10 ft., $1.50 each; 10-12 ft., $2.50 each.

Diyasa orientalis) — A very handsome tree, of spreading rounded form, with shiny, deep green foliage. Causes the least disease and is perhaps the most desirable species for the street, park or lawn. 6-8 ft., $2.00; 8-10 ft., $2.50; 10-12 ft., $3.50 each.

Schwederia — A red and purple, corte- 

ly, contrasting bright with the delicate green of other trees. In mid-summer they are purplish green, in autumn golden yellow. 6-8 ft., each, $3.00; 8-10 ft., $4.00 each.

Sugar — Straight, spreading, symmetrical. Rich autumn tints of clear scarlet. 6-8 ft., $1.00 each; 8-10 ft., $1.50 each; 10-12 ft., $2.50 each; 8-10 ft., $2.50 each; 10-12 ft., $3.25 each.

Yancanoma — A pseudo-platanus — Rapid, upright growth; smooth, gray bark; leaves large, five-lobed, deep green above and glaucous be- 

low. 6-8 ft., $2.25 each; 8-10 ft., $2.75 each; 10-12 ft., $3.25 each.

Mulberry
Mulberry, Russian (Morus tatarica) — Rapid growth; round headed. Fine for use to attract birds. 6-8 ft., $1.25 each; 8-10 ft., $2.25 each.

Mulberry Tea Weeping (Morus alba pendula) — The long, slender, drooping branches of this tree give it a very unusual and interesting appear- 
ance. Prized for lawn planting. 2- year head, $3.50.

Olive
Russian (Elaeagnus angustifolia)— Its foliage is of a remarkable aver- 

lue, showing up in striking con- trast to that of the green of other shrubs or trees. It is admirable for tall back- 
grounds where unusual color tones are desired. It also is useful for hedges, either trimmed or, 

trimmed. 6-8 ft., $1.00 each; 8-10 ft., $1.50 each.

Peach (Double Flowering) (Amygdalus Persica) — Of the all spring flowering trees, the Double Flowering Peaches are the most bril- 

liant and beautiful. The entire tree and every branch is simply a mass of blossoms, appearing twelvemonth, making an immense bouquet of gorge- 

cous color. Fast growing and very 

 hardy, they should be more planted, but placed in the background as the tree is not especially desirable when the flowers fall. It makes a plenty of new growth for next season’s bloom. Double White Pink Double Red. 3-4 ft., $1.00; 4-6 ft., $1.50.

Walnut
Black (Juglans Nigra) — The trees beco- me very large, shapely and make excel- 

lent lawn trees. They are of rela- 

tively quick growth. As nut pro- 
ducers, they are very profit- 

able. 4-6 ft., $1.50; 6-8 ft., $2.00 each; 8-10 ft., $2.50.

Plane Oriental
European Sycamore; Oriental Plane (P. orientalis) — This splendid tree has all the perfection for street and en- 

chircue use. Without training, it forms a fine, spreading, well-rounded head. Very entirely free from disease or pests. Leaves are large, dark green and deeply lobed. Bark flake off (trunk and other limbs). Since it does not hold too much water, we consider this belief is one of the very heat trees. 10-12 ft., $4.50; 14-15 ft., $5.00; 8-10 ft., $2.50 each; 6-8 ft., $2.00 each.

Poplar (Populus)
Bollea (P. Borealis) — A tall elu- 

mar rapid growing, hardy tree. Leaves triangular the borders serrate, glossy green above and silvery white below. 8-10 ft., $1.00 each; 10-12 ft., $1.50 each.

Lombardy (P. nigra italica) — Widely used in England. It is known and esteemed for its decided individuality. Grows to a great height; narrow and columnar. Forms a strong contrast with most other trees, hence of great value in landscape work 10-12 ft., $1.25 each; 8-10 ft., $1.75 each; 6-8 ft., 90c each; 4-6 ft., 75c each.

Flowering Plum
Purple-Leaved (Prunus Pissardi) — Handsome form, with rich purple leaves. Covered in early spring with beautiful white owers, later with wine-red fruits. 3.4 ft., $1.25, 4-6 ft., $1.75.

Tiloba (Double Flowered Plum) — A flowering shrub or tall vigorous growth. Very early in spring, before its leaves appear the whole tree is decked in a very lovely cloud of double light pink blossoms. Its effect on an old, well-leafless landscape is very bright. 3-4 ft., $1.25 each; 4 to 5 ft., $1.75 each.

Redbud
American Judas (Cercis Canadensis) — Strikingly ornamental trees loaded with a mass of peta-shaded pink blossoms in early spring, before the leaves appear. 3-4 ft., $1.75; 4-5 ft., $2.00 each.

Yamcrome
See Plane Oriental, no stock American (Platanus Occidentalis).

Tulip Tree
Liriodendron (tulipifera) — Tall, pinnate leaves, green, glossy, fiddle-shaped leaves; flowers greenish, in a slender spike, greenish yellow. 3-4 ft., 35c each; 4-6 ft., $2.00 each. 6-8 ft., $2.50.

Willoow
American Black (Salix nigra) — Hardy under most trying situations, thrives best when moist and water plentiful. 6-8 ft., 65c; 8-10 ft., $1.25 each.

Golden (Salix discolor) — Its brilliant colored twigs makes this variety very valuable in landscape. 6-8 ft., $1.00; 8-10 ft., $1.25 each.

Willoow (Salix discolor) — A large shrub, smooth, gray bark. Greatly popular for all ornamental purposes be- cause of the attractive catkins formed by the small branches. 6-8 ft., 75c; 8-10 ft., $1.25 each.

Babylonian Weeping Willow (Salix babylonica) — A tree of stately ap- pearance, long, slender branches swaying in the breeze; quick to take hold when transplanted will give a finish to a lawn not obtained by any other tree. This, too, makes a good screen, and thrives in most or dry ground. 8 to 10 ft., $1.75; 6 to 8 ft., $2.00 each.
**HARDY ORNAMENTAL AND FLOWERING SHRUBS**

Except where otherwise specified, the stock offered here is hardy, acclimated Utah Grown—two, three and in some instances four years old—well branched with strong, vigorous roots and should not be considered in price competition with inferior grades.

For your convenience we have indicated in each description the height, spread and blooming period. For example, 

"(H 3-4, S 3-4, I) MAY be interpreted "height, 3 to 4 feet, spread, 3 to 4 feet. It is understood that the sizes given are only approximate, and will vary considerably according to soils and climate.

Shrubs marked (*) can be grown in partial shade, but they will also thrive in full exposure to the sun.

*Acanthopanax*

Pentaphyllob (5 leaf Aralia)—Long, slender, gracefully arching branches and bright green, compound foliage, especially attractive. Greenish-white flowers in long umbels, H 6-9, S 2-6, 2-3 ft., 85c; 3-4 ft., $1.00.

*Flowering Almond*

A most beautiful shrub, is one of the loveliest. The flowers are borne on its slender branches during May and are very fragrant. H 3-5, S 4. Double pink and a Double white, 2-3 ft., $1.00 each; 3-4 ft., $1.25.

*Althea (Rose of Sharon)*

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October, a period when few shrubs are in flower. They are extensively used as hedge plants, for which they are admirably adapted. We offer in four distinct colors, Red, Pink, White, and Purple. (H 10-12, S 6-8) 2-3 ft., 75c; 3-4 ft., $1.00.

*Amorpha*

False Indigo (A. Fruticosa)—Grows in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June. (H 8-10; S 8-10) 3-4 ft., 75c; 4-6 ft. $1.00 each.

*Aralia*

Spinosa (Devil's Walking Stick).—Sometimes called "Hercules Club." Useful in landscape for tropical effects and shadows. Blooms July. August, large pinnate white flowers followed by black berries, develops a tree-like form, branches very spiny. (H 5-6; S 6-6) 2-3 ft., 85c; 3-4 ft., $1.00 each.

*Borberis (Barberry)*

Japanese Barberry (B. Thunbergii)—Beautiful shrub for hedges, border screens or general purposes. Very compact and needs no attention with the brightest green, a rich foliage, changing in the autumn to brilliant scarlet and gold. Following the white flowers are scarlet oval berries which are borne into the winter. H 3-4, S 3-4, 15-18 in. shrubs 40c each; ten for $3.50; 18-24 50c ea.; ten $4.50. Three-year specimen shrubs, 75c each.

*New Red Leaved Barberry*

(B. Thunbergii Atropurpurea)—In habit of growth and in fruiting it is identical with the popular Japanese Barberry, but its foliage develops a rich bronzy-red color, this coloring becomes more intense and richer during the hot summer months followed by brilliant scarlet berries which remain on the plant the entire winter. (H 3-4, S 3-4), 12-15 in., 75c; 18-24 in. $1.00 each.

*Buddleia (Butterfly Bush)*

(B. David Magnifica)—Desirable summer flowering shrub, beginning to bloom in July. It continues until cut by severe frost. The flowers are lavender, lilac shade, borne in dense cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter; flowers freely the first season. (H 8-6, S 4-5), 1-year plants 50c; 2-year plants, 75c.

*B. Veltheiana—Similar to above, except flowers are deep mauve purple. 1-year plants, 75c; 2-year. $1.00 each.

*Corylus (Hazel Nut)*

American—Well known native American nut-bearing shrub that makes an attractive addition to natural planting. (H 8-9, S 8) 2-3 ft. $1.00 each.

*Caragana*

Siberian Pea Tree (C. Siberica)—Compound leaves bright green; numerous small clusters of yellow flowers. (H 8-10, S 8). May and June. 2-3 ft. 50c each; 3-4 ft. 75c; 4-6 ft. $1.00 each.

Caragana Veltheiana

For quantity price schedule turn to page 16.
*Chokeberry (Aronia)

Arbutus—A very useful shrub with attractive pale green, foliage coloring to vivid red in the Fall. White flowers in May are followed by masses of red berries. (H 7-9, S 6-8), 2-3 ft., 85c; 3-4 ft., $1.00.

Melanocarpus—Chokeberry—Same habit as above except grows taller and has black berries, leaves are smoother underneath. (H 8-10), 2-3 ft., 85c; 3-4 ft., $1.00 each.

*Cornus (Dogwood)

Red Siberian (C. Sibirica)—Produces cream colored flowers in June and yellow, orange red berries. Very showy. (H 5-6, S 4-5), 2-3 ft., 1$25; 3-4 ft., $1.00 each.

Golden Twig (C. Stolonifera, Lutea)—Yellow stemmed. Clusters of white flowers, stems and branches are yellow. (H 8-9, S 7-8), 2-3 ft., 50c; 3-4 ft., 75c.

Variegated Dogwood (Cornus Elegantisima)—Silver in May, yellow and green foliage, red bark, sometimes known as Silver Bunch Dogwood. H 5-6, S 4-5). 2-3 ft., $1.25: 3-4 ft., $1.00 each.

Silky Dogwood (Amomum)—Young twigs are purple, flowers white, followed by pale blue berries. (H 6-8, S 7-8), 2-3 ft., 85c; 3-4 ft., $1.00 each.

Coloneaster

Acutifolius—Stately shrub. With lustrous green foliage, white flowers in June, followed by black berries. (H (7-8, S 6-7), 2-3 ft., $1.00; 3-4 ft., $1.25 each.

Cydonia

Japan Quince (Japonica)—A single shrub on the lawn, very attractive, brilliant crimson flowers, among the first in the spring. (H 4-5, S 5). 2-3 ft., 75c; 3-4 ft., 85c.

Currant (Ribes)

Aureum (Missouri Golden Currant)—Grows to a height of from 4 to 7 ft. Flowers fragrant and useful for cut-flowers. Cultivation for its many pretty, spicy, sweet-scented, bright yellow white flowers in May, followed by orange colored fruit. (H 4-5, S 5). 2-3 ft., 75c; 3-4 ft., 85c.

Deutzia

Among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. (H 6-8, S 6). 2-3 ft., 85c; 3-4 ft., $1.00.

Gracilis—A favorite dwarf bush, covered with spikes of pure white flowers. (H 2-3, S 3). 18-24 in., 75c; 2-3 ft., $1.00.

Pride of Rochester—Firm, tall growing double white flowering variety. (H 6-8, S 5). 2-3 ft., 75c; 3-4 ft., $1.00.

Exochorda

Pearl Bush—Vigorous grower; dazzling white flowers in numerous clusters of large bloom. A very narrow upright shrub which prefers a moist, fertile soil. (H 6-8, S 4), May.

Euonymus

Americana (Strawberry Tree)—American Burning Bush. Very showy in autumn when loaded with scarlet seed pods, from which orange-colored berries hang on slender threads. (H 7-8, S 4-5), 18-24 in., 85c; 2-3 ft., $1.25 each.

Elaeagnus Longipes

Japanese Oleaster—Nearly evergreen shrub of medium height, with light foliage, which is silvery on the under surface, yellow fragrant flowers in May. Followed with orange-colored fruit is a very attractive feature during the summer. (H 6-8, S 6). 2-3 ft., $1.25.

Eriobotrya

Kerria Japonica

Forsythia (Golden Bell)

Fortunio—Strong erect habit; bright golden-yellow flowers in early spring. (H 8-10, S 6-7). 2-3 ft., 60c; 3-4 ft., 75c.

Suspensa (Weeping Golden Bell)—Tall willowy growth, branches gracefully arching, covered with golden-yellow bells. (H 4-6, S 7). 2-3 ft., 75c; 3-4 ft., 85c.

Fringe Tree

Purple (Smoke Tree). Rhus Cotinus

A conspicuous spreading shrub or small tree with large clusters of round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These terminal racemes are an earnest harbinger when fresh, very persistent, and give the impression of smoke at a distance. (H 8-10, S 8-10). 2-3 ft., 1$25; 2-3 ft., $1.50.

White

Chionanthus Virginica—A very showy shrub, growing to large size; with large leathery shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. (H 8-10, S 8), 2-3 ft., $1.25.

Honeysuckle Bush (Lonicera)

Tatarica (Lonicera, Tatarica)—Most popular of the bush varieties. Foliage dark glossy green, blooms in June. (H 8-10, S 5-6), 2-3 ft., $1.00.

For quantity prices turn to page 16.

Kolwittia Amabilis. (See page 14)

White. 2-3 ft., 75c; 3-4 ft., 85c; 4-5 ft., $1.00.

Fragrantissima, Winter Honeysuckle—Small, deliciously fragrant, white flowers tinged with yellow in the early Spring before the leaves appear. Holds its color foliage until midwinter. (H 6, S 4-5), April. 2-3 ft., 75c.

Morrowi—A handsome Japanese variety with white flowers during May, but especially valuable for its bright and red fruit during the summer and autumn months. (H 8-9, S 6-7), 2-3 ft., 75c.

Spinosa Alberti—Dwarf growing variety with bluish green leaves and fragrant rose pink flowers in May and June. H 2, S 2-3), 12-15 in., $1.00 each; 15-18 in., $1.50 each.

Sandissi—Half evergreen shrub with spreading branches fragrant bluish white flowers in April, followed by scarlet berries. (H 6, S 7), 18-24 in., $1.50 each; 2-3 ft., $2.00 each.

Thibetiscia—A valuable new variety, low growing, dense, thickly branched, leaves glossy deep, pale purple flowers in May, followed by red berries. (H 5, S 5), 18-24 in., $1.50; 2-3 ft., $2.00 each.

*Hamamelis (Witch Hazel)

Virginiana (Witch Hazel)—Bears blooms in late Fall and early Winter at a time when all other shrubs are dormant. The heart-shaped leaves give it a decorative appearance but the chief attraction is the bright yellow flowers which seem to be out of season. (H 10-15, S 4), 2-3 ft., $1.00.

*Hydrangea

Aborescens Grandiflora—(Hills of Snow or Snowball Hydrangea)—Showy white blooms of largest size; flowering from early June until late July. (H 3, S 3), 2-3 ft., $1.00.

Paniculata Grandiflora—Blooms the first and every season in July and August and continues in bloom for two or three months; pure white to pink, and finally to a beautiful rich coppery red. (H 3-6, S 6), 2-3 ft., $1.00.

Oak Leaved (Hydrangea Quercifolia)—Large growing shrub with light green leaves similar to an oak leaf. Pure white flowers in midsummer borne in huge panicles. In autumn leaves take on bright autumnal colors. (H 18-24, S 3-4) Tall, shaded with plenty of moisture. (H 3-4, S 3), 2-3 ft., $2.00.
Hypericum—Bright yellow flowers are borne in early summer. Large, showy leaves are glossy dark green.

A. (English) — A scented shrub with large, showy leaves.

Hydrangea—Large, showy flowers are produced in late summer. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Itea—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Ilex—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Ipsenia—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Jasminum—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Jasminum—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Jubaea—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Juglans—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Jugulos—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Juniperus—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Kerria—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Koelreuteria—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

A. (Inland) — A large, showy shrub with large, showy leaves.

Koelreuteria—Large, showy flowers are produced in late spring. The leaves are glossy dark green.

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**Stephanandra**

_Flexuosa_ (Lace Shrub)—Of graceful fountain-like habit of growth with finely and delicately cut leaves, which in the autumn assume brilliant reddish tints; the flowers are creamy white. 60c each.

**Symphoricarpus**

_Racemosus_ (Snowberry) (B)—A graceful shrub, with slender branches. Flowers white or pinkish, in loose racemes, in summer. (H 4-5, S 4.) 2-3 ft., 60c; 3-4 ft., 75c.

_Vulgarius_ (Coral-Berry or Indian Currant) (B)—A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. (H 4, S 3-4.) 2-3 ft., 60c; 3-4 ft., 75c.

_Vulgarius Variegata_ (Variegated Coralberry)—The golden foliage, adds color to any shrub border with full exposure to the sun. (H 4, S 3-4.) 2-3 ft., 90c.

_Syringa or Lilac_ (Common)—A tall growing shrub (8 to 15 feet), having large clusters of fragrant purple flowers in the Spring. (H 6-8, S 5-6.) 2-3 ft., 65c; 3-4 ft., 75c.

_Vulgarius Alba_ (Common White Lilac)—Similar in growth to purple variety, but flowers are white. (H 6-8, S 5-6.) 2-3 ft., 65c.

_P.-W.'s Persian Lilac_—Habit more open and branches more slender and drooping. (H 5, S 4-5.) 2-3 ft., 65c.

**S. Villosa** (Japanese Lilac)—Large branching panicles of flowers, a pink lilac tint. Late flowering. Bushes are stockier, shorter, of slower growth and more tree-like than other types. In assortment—2 to 3 feet, $1.00.

**FRENCH LILACS**

These Lilacs may be developed in either the shrub or tree form. Popular on account of their attractive colors of varied colors and foliage. Plant 10 to 15 feet according to variety.

**Mme. C. Perier—** Double white.

**P.-W.'s New French—** Magnificent rose purple.

_Ruby de Marley—** Rosy red.

_Price—** Any of above varieties, 2-3 feet, 90c each.

**Sambucus (Elder)**

_Acutiolia_ (Cut Leaf Elder)—Attractive finely cut green leaves and large cyrums of white fragrant flowers in June to July, followed by clusters of berries. (H 8-10, S 8.) 2-3 feet, 75c; 3-4 ft., 85c.

_Canadensis_ (American Elder)—White flowers are borne in large, flat-topped clusters, which open in early Summer. In August and September there are many black fruits, which are commonly used for pies and preserves. (H 6-8, S 5.) June, 2-3 ft., 70c; 3-4 ft., 85c each.

_Nigra Aurea_ (Golden Elder)—Bright yellow foliage, commonly used in massed planting to avoid monotony in the green effects. (H 6-8, S 5.) 2-3 ft., 70c; 3-4 ft., 85c.

_Pubens_ (Racemosus Red Elder)—Distinguished by its warty leaves and large cyrums of white flowers. SHOWY RED BERRIES RIPEN IN EARLY MID-SUMMER. (H 6-8, S 5-6.) May, 2-3 ft., 85c; 3-4 ft., $1.00.

**Tamarix**

_Amurensis—** Strong, slender, tall growing shrub or irregular bush, with feathery silver foliage and small, delicate pink flowers, borne profusely on gracefully-bending purple branches. May, (H 8-10, S 6.) 2-3 ft., 50c; 3-4 ft., 65c.

_Gallica_ (French Tamarisk)—Light pink flowers in May, Bluish green foliage. (H 8-9, S 6.) 2-3 ft., 50c; 3-4 ft., 65c.

_Hispida_ (Kashmir Tamarisk)—A distinct variety, with delicate soft pink sprays of flowers in July and August. (H 15, S 6.) 2-3 ft., 75c; 3-4 ft., $1.00.

**Viburnum**

_Carlesi—** A rare Korean variety which is entirely distinct with salver shaped flowers of a delicate rose tinted white, passing to white sweetly scented flowers produced in terminal sub-globose cymes 2 to 3 inches in diameter. Good bushy specimens. (H 4, S 3.) 18-24 inches, 85c each.

_Dentatum_ ( Arrow-wood )—The heart-shaped, green leaves, coarsely cut about the edges, turn to rich purple and red tones in Autumn. Creamy white flowers produced in early Summer, followed by blue-black berries. (H 6-8, S 6.) 2-3 ft., $1.00.

_Nannyberry_ (V. Lentago)—Beautiful wrinkled Lantana-like leaves; white flowers in May and June. Fruits color unequally from Bluish cromson to black. (H 12-14, S 10-12.) 2-3 ft., $1.00.

_Opulus_ (European Cranberry)—The white flowers in June are followed in autumn by bright scarlet berries, which are very attractive until late in winter. (H 10-12, S 10.) 2-3 ft., $1.00, each; 3-4 ft., $1.50 each.

**Weigelas**

_Eva Rathke—** Considered the finest Weigela in cultivation, blooming continuously throughout the summer and autumn. The flowers are a rich ruby-carmine. (H 4-5, S 5.) 2-3 ft., $1.00.

_Candida—** White flowering, flowering throughout the summer. (H 6-8, S 8.) 2-3 ft., 85c.

_Rosea—** A beautiful shrub with rose colored flowers. (H 5-6, S 5.) 2-3 ft., 75c; 3-4 ft., $1.00.

For quantity prices see page 16.
Hedges, Screens and Windbreaks

On varieties not detailed we can furnish special sizes, and shall be glad to quote quantity prices. Under this heading we include the Poplar, Willows, Locusts, Western Catalpa, Thorn, Russian Mulberry, Russian Olive, Altheas, Caragana, Spruces, Spruces and Arbor Vitas. Correspondence solicited. The deciduous shrubs most popular for hedges we list below.

Berberis Thunbergii (Japanese Barberry)—Special size, 1 to 1 1/2 ft., packed in broom, 30 at $5.00; 25 at $4.90; 100 at $2.75; 250 at $2.50 for 25; $2.00 for 100.

Rosa Rugosa, Rubra—Special 1-year size, $4.50 per 10; $40.00 per 100.

Rosa Rugosa, Alba—$4.50 per 10; $50.00 per 100.

Hardy Privet (Ligustrum)—18-24 inches, ten for $1.25; 50 for $3.50; $10.00 per 100; 2-3 feet, ten for $5.00; 50 for $6.50; $12.00 per 100.

Graceful Hedge of Barberry

P.-W.'s SPECIAL WINDBREAK COLLECTION OFFERS

The varieties selected here are especially fitted to stand the most rigorous and exposed situations in the upper valleys or the Intermountain States. We are confident they will fill a long felt want of our customers living in the open country or where a windbreak is desired.

WINDBREAK COLLECTION No. 1.

30 Siberian Elm 18-24 inches. $10.00
30 Black Locust 24-36 inches. 
30 Russian Olive 18-24 inches. 
50 Caragana 10/15 inches. 

All of the above for...

Delivered to your nearest Express or Postoffice.

P.-W.'s SPECIAL "RESIDENCE FRONT" SHRUB COLLECTION OFFER

Quotations shown below are per ten in quantity unless otherwise specified.

QUANTITY PRICE SCHEDULE FOR TREES, SHRUBS, ETC.

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Five or more of one variety at the 10 rate, 25 or more at the 100 rate.

P.-W.'s Glorious Roses

SOME THINGS TO OBSERVE FOR SUCCESS WITH ROSES

Unpacking—should plants, when received, have a withered appearance, caused by an unusual delay in transit (which seldom occurs), soak them in water for an hour or more so as to restore their vitality.

How to Plant—The rose delights in an open, airy situation; all types are partial to clay loam, but will succeed in any ordinary soil enriched with well rotted manure. Dig up the soil thoroughly to a depth of twelve to fifteen inches. Dig a hole sufficiently large to accommodate the root, and pour a half full of water into the hole; in filling, shake the plant lightly so that the soil may fall evenly all around the roots; this avoids cavities. Firm the soil well around the plant in order that it may be solid. Be sure that the buds or grafts, that is where the lower branches begin are at least 2 inches below the surface of the soil. Don't fail to prune off the branches as soon as planted, at least as much as shown in "Fig. 2" below. Bush Roses can be set 1 1/2 feet apart, climbing varieties from 4 to 6 feet apart, and standard Roses 2 or more feet apart.

To plant the top branches from shriveling up before the root system has been developed, the earth should be hilled up as shown in "Fig. 2" below. The branches still exposed, should be cut down to the mound surface. Be sure to keep the mound moist after planting. In about three weeks' time the mound of earth may be gradually leveled down to the normal surface as shown in "Fig. 1." Cultivate freely throughout the summer and apply a light top dressing of bonemeal or "Vigor" Fertilizer. (See page 13) at least once a month throughout the growing season.

Pruning—This operation is best performed during the dormant season. Most roses do better if moderately pruned. We usually remove from one-third to two-thirds of the past year's growth, and all weak and decayed wood should be entirely cut out... As a rule the more vigorous the variety the more it should be pruned. Between spring pruning and fall pruning the hybrid Perpetuals require no pruning, while those pruned in bloom will bloom much better early in the spring.

Winter Protection—We have found that the most satisfactory protection is to draw up a mound of soil from eight to ten inches high around the base of the plants, then covering the entire hedges after the ground begins to freeze with any loose material, such as straw manure, leaves, etc. (See above cut, Fig. 3).
RUGOSA ROSES

Shrub like roses. Valuable for their foliage and highly colored "hips"; show to good advantage in groups and hedges.

**Rubra**—4 to 5 feet high, foliage large, beautifully wrinkled, color dark green. Flowers single, rosy crimson, orange-scarlet fruits. Each, 50c.

**Alba**—Foliage and habits, like "Rubra," flowers pure white, followed by orange-colored fruits. Each, 50c.

**New Century**—Double-flowering pink-rose. Excellent in shrub planting. Each, 50c.

**Red F. J. Grootendorst.** It is a cross between R. *fruitosa* and the crimson Baby Rambler. Imagine a shrub-like Rugosa Rose covered with trusses of crimson Baby Rambler. Rugosa Rose and Baby Rambler have a fair conception of this new hybrid. It is valuable to plant as a specimen or in a mass in an exposed position or use it for an everblooming hedge for which purpose it is admirably adapted. Each, 60c.

**Pink F. J. Grootendorst**—Same as the red variety except the flowers are a beautiful, clear pink. Each, 60c.

P.W.'s POLYANTHA OR BABY ROSES

A class of dwarf habit all through summer and fall, for hedging or as edging for borders they are very beautiful. They are useful for pot culture or bedding purposes or for beded effects.

**Baby Dorothy**—A pure pink with all quality of the crimson Baby Rambler. Each, 60c.

**Eugenie Lamech**—Color orange to clear yellow and rose, flowers in large clusters. Each, 75c.

**Madame Cecil Brunner**—Color salmon-rose, the most beautiful and lovely of the miniature roses; very fragrant. Each, 60c.

**Lafayette**—Bright red; large, semi-double flowers; as "Paul's Scarlet," good keeper. Very fine flowering. Each, 75c.

P.W.'s HARDY CLIMBING ROSES

**American Pillar**—A single-flowering variety of great beauty, which appeals to everyone. Flowers are enormous in size, three to four inches across, of a lavender shade of pink, with a clear white eye and a cluster of yellow stamens. Each, 60c.

**Bess Lovett**—Produces many large and fragrant flowers of clear, bright crimson, double, full, cuffed, and of lasting quality. Though resembling Climbing American Beauty, it is much superior by reason of its brighter color. Each, 60c.

**Climbing American Beauty**—Same color, size and fragrance as American Beauty, with the addition of the climbing habit. Each, 60c.

**Dorothy Perkins**—Old-fashioned cluster roses. We supply three colors, Pink, Red and White. Each, 60c.

**Flower of Fairfield**—This is a much-heralded free-blooming Crimson Rambler; deep crimson in immense clusters. Each, 60c.

**Pauline Scarlet Climb**—No other rose, in any class, can compare with this for brilliancy of color which is intensified until the petals fall. It is of strong climbing habit and perfectly hardy. This is one of the most popular Climbing Roses.

**Silver Moon**—Beautiful semi-double flowers four inches and over in diameter, pure white in color, petals of great substance, beautifully cupped, yellow stamens in the centre adds to its attractiveness. Each, 60c.

P.W.'s EVERBLOOMING CLIMBING ROSES

While these varieties do not bloom as constantly as their Hybrid Tea parents, yet their bloom period recurs during the season so they are classed them a protected situation.

**Climbing Los Angeles**—Flowers identical with bush form of Los Angeles flame pink-toned coral, gold base. Each, 50c.

**Climbing Monte Carlo**—A solid cerise-pink and does not fade. Highly fragrant. Each, 60c.

**Climbing Winnie Davis**—A sport from the bush variety. Apricot pink color and four buds of fine form. Each, 60c.

**Silver Moon**—Same as the well known bush. Golden yellow. Each, 75c.
P.-W.'s COLLECTION OF NEW AND RECENT INTRODUCTIONS EVERBLOOMING ROSES

Here you have recent and new rose creations, representing the very last word in "up-to-the-minute" varieties. Words are wholly inadequate, they must be seen in real life, for one to begin to realize or appreciate their exquisite beauty and delightful fragrance.

Angelus. H.T. This splendid rose is a cross between Columbia and Ophelia. The flowers are large double white with cream tint at center. It is delightfully fragrant. The foliage is a dark green. Very thrifty and vigorous, blooming profusely during the entire summer. Each $1.00.

Briarcliff. H.T. Flowers are a pleasing shade of soft pink, buds are long and pointed. Keeps a long time as a cut flower, a decided improvement on Columbia. Fills a long felt want in a pink rose. Flower is double and full to the center. Each $1.00.

Dame Edith Helen. H.T. Perfect buds developing into wonderful flowers of immense size are produced singly on well-foliaged strong canes. The flowers are composed of very substantial broad petals which curl back prettily forming a glorious long pointed bud and a full double flower which is beautiful in every stage of development. Color a brilliant yet soft rose-pink; strongly sweet-scented. Each 75c.

Lucinda. H.T. This delightful new rose is the Sport Columbia. Color pure, even bright rose, and in opening the bud has a gracefully rounded form which is a delightful surprise. Should have a place in every garden. Each $1.00.

President Hoover. H.T. A glorious Rose, wonderfully free in the easy manner in which it grows and charming in its color arrangement which is a splendid combination of cerise-pink, flame, scarlet and yellow; this combination of colors gives the most dazzling color effect imaginable. The buds are beautifully pointed, the flowers large, composed of broad thick petals, with an exquisite fragrance. It is exceptionally fine flowering and everyone will be delighted with its habit of growth. Awarded the Gold Medal at the International Flower Show in New York, 1929. Each $1.50.

Miss Rowena Thom. H.T. Flowers are large, frequently 5½ inches in diameter, equal to the best recent introductions and all of which it will outclass in freedom of flowering. Its buds are long and shapely, opening to perfect double flowers of brilliant rose-pink, the base of the petals having a golden suffusion which makes the fragrant flowers unfold to the brilliancy of its coloring. Each $1.00.

Talisman. H.T. This new American Rose created a sensation at all the shows where exhibited and was awarded Gold Medals by the American Rose Society. A combination of shades of gold apricot, yellow and deep pink or old rose. The outside of the petals is bright yellow, gold and pink; as the flower develops and the petals unfold they become bright apricot, deep rose, pink or old rose and, unlike most roses, the color becomes bright as the flower develops. Each $1.25.

P.-W.'s "Novelty" Eleven Rose Collection Offer
One Strong Two-Year Shrub, each of the varieties listed on this page POSTPAID FOR $1.00
1931 "NOVELTY FIVE" ROSE COLLECTION OFFER
Customer's Selection One Rose Each of Any Five Varieties Listed on this Page—POSTPAID for $5.00

For Quantity Price Schedule turn to page 18. If by mail add 10 cents each; 60c per ten extra for packing and postage.
P.-W.’s Ever Blooming Rose Collection

The varieties selected in this list bloom freely and without interruption from the first year; stand severe winters with only ordinary protection. We have taken exceptional pains in selecting out of the hundreds now in cultivation just those varieties which we judge to be truly worth while. Whether old stand-bys or brand new novelties the same rule has been followed to choose only those that stand out as having exceptional merit.

This list is the pick of both old and new.—The leading Everblooming Garden Roses to date. Hybrid Tea are marked (H. P.) and Tea Roses (T.) Unless otherwise noted, price of any on this page, 75c each; $6.75 per ten, strong, healthy 2-year-old dormant roots. For convenience in selecting colors we have arranged the varieties in color groups.

Salmon, Coral, Copper and Apricot Shades

Annie Laurie (H. T.)—Sport of Ophelia. But large, long pointed; flowers large, very double; flesh pink, edge deeper golden yellow base; long strong stems. Foliage abundant, rich glossy green, disease resistant. Fruity thorns. Continuous bloomer. Each, 60c.

Betty (H.T.)—Color coppery-rose shaded golden-yellow; deliciously perfumed. Each, 60c.

Doris Traylor (H.T.)—Color imperial pink flushed crimson and orange, the coloring is intensified by the golden base of the petals which give the flowers a golden suffusion which is difficult to convey. They later change to deep amber yellow which does not fade. Growth vigorous and very free flowering. Each, 75c.

Miss Lolita Armour

Empire Queen (H. T.)—Attractive long slender buds of a clear, rich cerise color, gradually expanding into well shaped flowers possessing at times an orange flush delightfully fragrant. Each, 75c.

Irish Fire Flame (H.T.)—Closed bud fiery orange-red, enlarge at base, when full open bright salmon; five petalled and single: one of the daintiest and sweetest things imaginable. Each, 75c.

Los Angeles (H. T.)—One of the best Roses ever introduced; flowers luminous flame-pink toned with coral and shaded with translucent gold at the base of the petals, on long stems; very fragrant. Buds are long and pointed. Growth vigorous and produces a continuous succession of bloom. Price, each, 60c.

Madam Butterfly (H. T.)—Sport of Ophelia, showing better growth, more and larger flowers, in a brighter pink, suffused apricot and gold. Very fragrant and a fine keeper after cutting. Price, each, 60c.

Maud Cummings (Pep.)—A delightful combination of colors, peach, shaded coral-pink, velvety orange, with base of petals deep orange, large and full, retaining the color well. Growth strong and bushy, with deep bronze-green foliage, very fine and free from mildew. For bedding and massing this Rose is unsurpassed for its effective coloring. Each, 75c.

Mme. Edouard Herriot (H. T.)—The Daily Mail Rose in color its heda are coral-red, shaped with yellow at the base of the open flowers of medium size, semi-double are of a superb coral-red, shaded with yellow and bright rosy-scarlet passing to shrimp-pink. Each, 75c.

Padre (H.T.)—One of the finest bedding Roses of recent introduction. This is brilliant coppery-red flushed with yellow at the base, a color combination that appeals to everyone. The beautiful long buds are borne on long, stiff stems. Splendid for cutting as well as for garden decoration. Each, 75c.

President Wilson (H. T.)—A most delightful shade of shrimp pink shading to coral red at base of petals. Flowers are large and freely produced upon long erect stems. Each, 60c.

Willowmere (H.T.)—This splendid Rose is of a coral-red suffered with carmine in the bud state, and opens to a large, full, handsome flower of a rich shrimp-pink shaded yellow in the center and flushed carmine-like towards the edges of the petals. Each, 75c.

Pink and Rose Shades

America (H. T.)—The Big Pink Beauty. Produces long stems, topped by large shapely flowers of peacock pink: opens freely practically thornless and very fragrant. A wonderful keeper after cutting. Price, each, 75c.

Columbia (H. T.)—Peach-blow pink deepening as it opens to glowing pink; large, open flowers measuring six inches across. Long stiff stems, nearly thornless from midsummer vigorous. Price, each, 75c.

George Ahrens (H.P.)—Clear brilliant pink, good bud and perfect form flower. Known as Pink Frau Karl Drerup. Each, 75c.

Killarney (H. T.)—Brilliant sparkling pink with large pointed buds, broad, wax-like petals and enormous semi-double flowers of exceeding beauty. One of the very finest flowers. Each, 90c.

For quantity prices turn to page 18. If by mail add 10c each; 50c per 10 extra for packing and postage.
P.-W.'s EVER BLOOMING ROSES (Continued)

**Pink and Rose Shades**—(Continued)

**La France (H.T.)**—Beautiful silvery-pink; large, full and fine form. Each, 60c.

**Madame Caroline Testout (H.T.)**—Grand bright pink, flowering freely all summer; known as the "Portland Rose." Each, 60c.

**Mme. Seg. Weber (H.T.)**—Vigorous grower; free-flowering, large, perfectly formed, fragrant flowers of salmon-pink. 60c.

**Mrs. Charles Russell (H.T.)**—The bud is fully as large as American Beauty but hotter and pointed; color bright rose-pink, deeper towards the center. Each, 60c.

**Mrs. John Laing (H.P.)**—Very delicate pink. Each, 60c.

**Neyron (H.P.)**—Immensely bright shiny pink, clear and beautiful. Blooms all summer. Each, 60c.

**Radiance (H.T.)**—In color a brilliant carmine-pink, with salmon-pink and yellow shadings at the base of the petals, truly a rose for every garden. Endures hot weather splendidly. Each, 60c.

**Rose Marie (H.T.)**—One of the best bedding roses grown, remarkably free-flowering, producing large, long ideal buds, which develop into full flowers of beautiful form of a most pleasing clear rose-pink. Each, 60c.

**Winnie Davis (H.T.)**—Brilliant apricot-pink with reflective tints, making very handsome and semi-double graceful rose. Buds long, fine form. Each, 60c.

**Crimson, Red and Scarlet Shades**

**Cruisader (H.T.)**—Very free flowering, strong grower. Color a rich velvety crimson. Each, 60c.

**Edward Mawley (H.T.)**—A beautiful rich crimson touched with maroon, with a delightful velvety gloss. Each, 60c.

**Etolia De France (H.T.)**—Strong, upright growth; beautiful bronze-green foliage. Blooms constantly, producing large, massive deep, cup-form flowers on long stems; clear red and velvety crimson color. Each, 60c.

**Gruss an Teplitz (Virginia R. Cox) (H.T.)**—The best bedding and hedge rose for the Rocky Mountain states. In bloom continuously from early spring until snow. The color is fiery-crimson, shaded with a dark velvety sheen, a combination found in no other rose; perfectly hardy in all sections. Each, 60c.

**Hairy (H.T.)**—A splendid velvety crimson, with large well formed buds, most delicate fragrance. Each, 60c.

**Herman Neuhoff (H.T.)**—Flower dark red, shaded with black, large, well formed, produced on long and stiff stems; strongly scented and deliciously perfumed. The plant is of vigorous growth, and very free-flowering. A constant bloomer. Each, 60c.

**Hoosier Beauty (H.T.)**—Beautiful well-shaped long buds; color, delightful crimson-scarlet; deliciously fragrant. Each, 60c.

**Mrs. A. R. Waddell (H.T.)**—A rosy-scarlet, opening rosy-salmon, with reverse of petals rosy-scarlet. A stiff erect habit, vigorous grower. Each, 60c.

**Prince Camille De Rohan (H.P.)**—Deep velvety crimson color, passing to intense maroon and shaded black. Each, 75c.

**Mrs. F. R. Pierson (H.T.)**—Color fine example of scarlet crimson. Sport Premier. Bud large, pointed; flower to medium, double, full, high centered; bright crimson; borne singly on strong stems of medium length; very fragrant. Foliage dark green, broad, land-stemmed, disease resistant. Vigorous; profuse bloomer. Each, 60c.

**P.-W.'s Red American Beauty (H.P.)**—Same habits of growth and bloom as the popular foregoing American Beauty. Each, 75c.

**Red Radiance (H.T.)**—An ideal bedding Rose that continues to produce its large flowers throughout the season, even during the most unfavorable hot summer weather, when many varieties fail; in color a bright, clear cerise-red. Each, 60c.

**Red Letter Day (H.T.)**—An exceedingly beautiful Rose of infinite grace and charm. Its velvety, brilliant, growing scarlet-crimson buds and fully opened cactus flowers never fade; the reflex of the petals is satiny crimson-scarlet. Awarded S. G. Medal, N. R. S. Each, 60c.

**Souvenir de Georges Pernet (H.T.)**—Strong, vigorous grower, flowers buds brick red, opening to salmon-pink and deeper as at the margin of the petals. Price considerably.

For quantity price schedule turn to page 16. If by mail add 10c each; 50c per 10 extra for packing and postage.

---

**Gruss All Teplitz**—Bloom from June to snow

**Sensation (H.T.)**—As large and more prolific than Premier. Well supplied with heavy, luxuriant foliage. Buds long pointed and the open flower of extreme size and good color to the last. Good keeper. Color magnificent shade of red. Price, each, 60c.

**Ulrich Brunner (H.P.)**—Cherry red. Brilliant. Each, 60c.

**Orange and Yellow Shades**

**Duchess of Wellington (H.T.)**—Intense saffron yellow stained with crimson, changing to deep coppery saffron yellow. Each, 75c.

**Florence L. Izzard. H.T.**—Foliage mildew-proof and glossy. Awarded the gold medal at the National Rose Society. This magnificent Rose is a rich golden-yellow, a strong, healthy and vigorous grower, immense bloomer, bearing flowers and buds early and late. The flowers are very deep, rich and full, excellent substance, very sweet. Remarkably hardy. Each, 75c.

**Golden Emblem (H.T.)**—A most beautiful clear yellow, occasionally flushed with crimson on the outer petals, wonderfully well shaped; buds and flowers on long stems with rich, glossy foliage. Each, 75c.

**Golden Pernet**—A most vigorous grower of erect branching habit, beautiful, brilliant green foliage, long pointed buds of exquisite shape, carried on long, stiff stems. Very large, full flowers with elongated deep petals; a beautifully formed bloom. The color is rich, a yellow cadmium toning to sunflower yellow. A splendid yard and garden type, blooming profusely and continuously throughout the season. Each, 75c.

**Rev. F. Page Roberts**—Copper-red buds opening to golden yellow, tinted red on the outside. An attractive, fragrant and free-flowering variety. Each, 75c.


**Souvenir de H. T. Verschuren (H.T.)**—This new variety is a strong vigorous grower. Buds are long, of ideal shape for cutting, opening out into full double flowers of good form. Center in apricot-yellow at edges, intensely sweet pea scent, not found in many other roses. Price each, 75c.

**Sunstar (H.T.)**—Deep yellow edged, veined and splashed crimson and vermilion, all colors that attract and vary in tone and intensity as the blooms develop, of medium size, highly scented. Awarded a gold medal by the National Rose Society of England. Each, 90c.
ORANGE AND YELLOW SHADE (Cont.)

Mrs. Calvin Coolidge (H. T.)—Sport of Ophelia. Bud medium size, long-pointed; flower medium size, rich yellow, deepening as it opens. foliage glossy dark green. Few thorns. Price, each, 75c.


Mrs. Aaron Ward (H. T.)—Coppery-orange in the open bud but golden orange when partly developed. A unique charm of lovely shade when fully open. Each, 75c.

Old Gold (H. T.)—Vivid reddish-orange, with coppery-red and apricot shading; strong, mildew proof and free. Medium size, semi-double. Each, 60c.

Sunburst (H. T.)—Long pointed buds; color, orange-copper or golden-orange and golden-yellow; edge of petals lighter. Each, 75c.

Rosa Hugonis—It is of shrub-like habit of growth and naturally forms symmetrical bushes about 6 feet high and the same in diameter, and while not suited to plant in the Rose border, is an invaluable subject when planted in connection with other shrubs or as single specimens in the garden. Its delicate yellow single flowers are produced on long arching sprays early in May, every branch of the previous season’s growth becomes lined on both sides to the very end with these attractive flowers, and after it has finished flowering it remains an attractive decorative bush for the balance of the season; perfectly hardy. Each, 60c.

WHITE & BLUSH WHITE

American Beauty White (Frau Karl Druschki) (H. P.)—Best snow-white rose. Immense in size and hardy everywhere. Each, 75c.

Kaiserin Augusta Victoria (H. T.)—In color it is a soft, shyly-white, tinted with just enough lemon in the center to relieve the white; remarkably fragrant. Each, 60c.

White Killarney, Double (H. T.)—A pure white sport of the famous and popular Killarney Rose much more double than its parent. Each, 60c.

Turn to page 16 for quantity price schedule. If by mail add 10c each, 50c per 10 extra for packing and postage.

TREE ROSES

We offer the following choice everblooming varieties established in cans, 3 to 4 ft. high.

Angela Perrot—Orange
Dame Edith Hallan—Pink
Etoile de Hollande—Red
Golden Emblem—Golden Yellow

Price, any of above, f.o.b. Salt Lake City, $3.50 each; shipping weight, 50 lbs. each.

BOOKS ON HORTICULTURE AND KINDRED SUBJECTS

All Books Sent Postpaid at Prices Given

Annuals, Little Book of (Hottes)—A reliable guide to the culture of annual flowers, over 100 separate species are described with full directions for their culture and uses. Each, $1.10.

Berry Book (Biggle’s)—All small fruits are treated in this complete little book. Price, 60c.

Book of Bulbs (Rockwell)—A new book giving complete directions for the growing of all kinds of bulbs. Price, $3.15.

Dahlias (Rockwell)—Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers. Price, for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations. 80 pages. Price, $1.10.

how to Grow Roses (Pyle, McFarland and Stevens)—Makes every step in the culture and care of roses so clear that any grower can understand it and succeed with them. A completely re-written edition of America’s most popular rose book. 144 pages, 32 plates in full color, 32 half-tones, and other illustrations. Price, $2.15.


Milday’s House Plants (Palmer)—Tells of the plants which any woman can successfully grow indoors: 100 instructive pictures. Price, $1.10.

Mushroom Growing (Dugger)—The latest work on this subject, reliable and up-to-date. Price, $2.15.

Pests and How to rid Them (Thousand Gardener’s Questions Answered (Prof. A. C. Hottes)—A book of 390 pages, copiously illustrated, gives valuable information and a wealth of garden facts which hundreds of men have spent their lives in obtaining. Price, $2.15.

Perennials, Little Book of (Hottes)—Devoted to the general principles of growing, using and propagating old-fashioned hardy perennial plants. Price, $1.15.

Plant Culture (Oliver)—A greatly enlarged edition of this splendid handbook of everyday practice for the florist and gardener. Price, $3.65.

Practical Landscape Gardening (Cridland)—Of particular value to the owner of the moderate sized suburban house, nicely illustrated. Price, $2.65.

Rock Gardens (Rockwell)— Tells just where and how to make a Rock Garden, what plants to use and where to put them, illustrated. Price, $2.10.

The Home Vegetable Garden (Freeman)—Full of practical details for laying out the garden, planting and growing vegetables successfully. 8 illustrations. 24 pages. Price, $1.85.

Water Gardens and Goldfish (Sawyer and Perkins)—This tells how to grow Waterlilies in a small way in a tub or on a pond, gradually leading up to the establishment of water gardens in concrete tubs and ponds, on varieties to grow, cultural directions, control of insects, pollens, etc. The second half of the book devoted to Goldfish, covers Varieties of Goldfish, Breeding Fish Foods, Fish Diseases and Remedies and the Home Aquarium and its Management. Price, $1.65.

Vegetable Gardening (Kruhm)—Written especially for the home gardener, tells what and when to plant and how to care for them; freely illustrated. Price, $2.15.
PORTER-WALTON, 75c.
Transforms lbs...$1.25 into inches particularly its one comfort 149 prong, 90 handle, lbs. in.
Each 22 of post-1-50 real in.
"Midget," 3-prong, 5 handle.
No. No. No.
Bamboo No.
"NORCROSS" CULTIVATOR-HOES AND WEEDERS

Will cultivate closer to plants without injuring them than any other type of implement known, leaving the soil level, loose and untrampled.

Three Sizes and Prices

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-prong, 4 ft. handle, wt. 3 lbs.</td>
<td>$1.25</td>
</tr>
<tr>
<td>3-prong, 4 ft. handle, wt. 2 lbs.</td>
<td>$0.90</td>
</tr>
</tbody>
</table>

"Midget, 90 in. handle, wt. 12 oz.

Dandelion Digger No. 219—Forged from best material. Each 5; postpaid, 50c.

Spading Fork No. A-30—No home gardener should be without this handy tool. Each, 60c; postpaid, 70c.

Weeder No. 830—5 prong, green corrugated handle. Forged from 5% Octagon Tool Steel. Each, 50c.

Grass Sickle No. 3—Evenly tempered, keen edged. Just the right tool for long grass and weeds. Each, 75c; postpaid, 85c.

Trowel T20—6 inches long, steel. Each, 40c.
Trowel T10—6 in. long extra heavy crucible steel forged in one piece. Each, $1.00.


Pruning Shears No. 128—8 in.—A good low priced shear. Each, 95c; postpaid, $1.05.

Pruning Shear No. 179—9 in. Same pattern as No. 128. Each, $1.25; postpaid, $1.35.

Pruning Shears No. 149—High grade, strong, easy to handle, very durable. Each, $2.25; postpaid, $2.35.

Pruning Shears No. 21—Highest grade, best style and design, patent adjustable lock nut. Transforms prunning into a real pleasure. Each, $2.75; postpaid, $2.85.

Pruning Shear No. 1409—Forged tool steel, ratchet nut, brass spring, length 9 inches. Each, $1.75.

Hedge Shears No. 800—Heavy steel, long blades, very serviceable. Each, $2.25; postpaid, $2.35.

Grasnip No. 1—All-around shear for grass, vines and light shrubs; 6 in. steel blades. Each, $1.00.

Grass Shears No. VI—6 in. blade, hollow ground; trowel shank, polished all over. Each, $1.15.

Trimsnip Sto 8—Serrated polished steel blades, maple handles. Each, $2.75.

Doo-Klip Grass Shear

Trim your lawn in comfort with the Doo-Klip—the shear that takes all the wrist tire and finger-ache out of lawn trimming. The easy, natural up-and-down operation does it. It keeps the hand out of the dirt. Each, $1.50.

Doo-Klip Pruners—The Doo-Klip Pruner is particularly made for the average home owner to use in pruning rose bushes, small shrubs, saplings, grape vines, etc. Its construction is such that proper pruning is done without technical knowledge. Amateure efforts produce professional results. Each, $1.50.

THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the ENTIRE Root. Price, 85c each.
GARDEN TOOLS

All equipped with special oval hardwood handles. Blades are made of the finest tool steel and perfectly tempered. Once sharpened they keep their edge. These blades are held in place by a patented "U" bolt fastener. Loosen two bolts to remove the blade.

No. 1 Mattock spring steel blade 54" handle, each, $1.20.
No. 2 Hoe ( Saw Steel Blades). 5" wide, 54” handle, Each $.90
5" wide, 18" handle, Each .75
6" wide, 54" handle, Each 1.00
6" wide, 18" handle, Each 1.00
8" wide, 54" handle, Each 1.10
10" wide, 54" handle, Each 1.50

No. 3 Pick Ax—Spring steel, Regular pick handle, each $1.40
No. 4 Two Point Hoe—54" handle, and 18" handle, each $1.00
No. 5 Rake—Light, spring steel. End sharpened for scraper. Nothing like it for poultrymen and gardeners. 12 tooth, $1.00; 14 tooth, $1.20; 16 tooth, $1.36; 18 tooth, $1.50.
No. 6 Potato and Cultivator Hoe—54” handle $1.25
No. 7 Pick Ax (See Cut)—Spring steel regular pick handle. Each $1.50
No. 8 Comb Hoe and Rake—54” handle, $1.25.

Bullock Rotary Junior Cultivator—This is a cultivator with a kick, goes deep into the soil, cuts the weeds, brings moisture to the surface and makes the plants grow. It is a one wheel tool not reversible, cut five inches wide and three to four inches deep. Just the thing to work among shrubs and flowers whether in rows or not. Price, each, $5.00.

Whirling Adjustable and Variable

A Durable, Efficient, Low Priced Sprinkler System

Each Sprinkler has an adjustable brass head whereby the distribution of water can be easily regulated. The base designed to slide easily over the lawn and not tip.

Packed three to a Set—One Sprinkler equipped with brass shut-off cap. Price per set of three $1.75.

GARDEN HOSE

U. S. Nogue. Made especially for us of extra heavy rubber by one of the largest manufacturers. It is the best hose that money can buy and will last for years if taken care of. 3/4", with couplings, 25 ft., $2.75; 50 ft., $5.00.


Let us assist in making your "Outdoor Living Room" the entrancing nook of your dreams. (See page 1.)
Bird's IMPROVED NEPONSET Flower Pots

Made of tough, waterproof paper that retains moisture very satisfactorily. Testing under actual growing conditions has proven that this container may be used successfully when seeding plants are grown therein from 6 to 8 weeks.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price per Doz.</th>
<th>Price per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½-in. pots</td>
<td>$0.15</td>
<td>$1.00</td>
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<tr>
<td>3-in. pots</td>
<td>$0.18</td>
<td>$1.15</td>
</tr>
<tr>
<td>4-in. pots</td>
<td>$0.20</td>
<td>$1.30</td>
</tr>
<tr>
<td>5-in. pots</td>
<td>$0.20</td>
<td>$1.25</td>
</tr>
<tr>
<td>6-in. pots</td>
<td>$0.20</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

CLAY FLOWER POTS
Prices f.o.b. our store. Packed for shipping add 20 per cent. Minimum packing charge 50 cents. While we take every precaution to pack pots so that they will arrive at destination safely we do not guarantee against breakage in transit and will not replace any pots that are broken on arrival. We advise against shipping by parcel post.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½-in. Standard</td>
<td>$0.90</td>
<td>$4.50</td>
<td>$2.50</td>
</tr>
<tr>
<td>3-in. Standard</td>
<td>$0.95</td>
<td>$5.00</td>
<td>$3.00</td>
</tr>
<tr>
<td>4-in. Standard and Bulb</td>
<td>$1.00</td>
<td>$5.00</td>
<td>$3.00</td>
</tr>
<tr>
<td>5-in. Standard and Bulb</td>
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<tr>
<td>6-in. Standard and Bulb</td>
<td>$1.15</td>
<td>$7.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>7-in. Standard</td>
<td>$1.25</td>
<td>$7.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>8-in. Standard</td>
<td>$1.35</td>
<td>$7.50</td>
<td>$4.50</td>
</tr>
<tr>
<td>10-in. Standard</td>
<td>$1.50</td>
<td>$8.00</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

If saucers are desired add 50% extra to above prices.

WATERING POTS
Made of heavy wire painted green with three supporting wires and a hook at top to hang by.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-qt. size, beautifully decorated,</td>
<td>$1.75</td>
<td>$7.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>6-qt. size,</td>
<td>$4.25</td>
<td>$18.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>8-qt. size,</td>
<td>$5.00</td>
<td>$20.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>10-qt. size,</td>
<td>$6.00</td>
<td>$24.00</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

WIRE HANGING BASKETS

PNEUMATIC DOOR CHECK

THE WAKE-O—Temperature Alarm

Danger Signal for Incubators and Brooders. "Check and double check" and sleep nights. A safeguard against overheating and chilling the chicks or eggs. The Wake-O Automatic Alarm should be on every brooder and incubator. It saves its cost many times in one season. It gives a continuous signal when the temperature rises or drops beyond the point at which the controlling contacts are set. It is accurate and absolutely dependable and once the contact screws are set the device requires no further adjustment. Price, $5.00.
HIGHER PRICES FOR YOUR CROP

Last year thousands of growers added to the value of their vine crops by using HOTKAPS—shown above. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hot-bouses that protect plants from frost, wind, rain, insects and ground crustings.

HOTCAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production earlier for higher prices.

You can add to your next year's profit with Hotkaps. They cost but a fraction over a penny each.

One man can "set" 3000 Hotkaps per day. They not only bring you bigger prices, but are a method of crop insurance—against the danger of the elements. Prices—

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Labels, 4-in., plain, 1000 in. box...</td>
<td>$0.10</td>
<td>$0.35</td>
<td>$2.75</td>
</tr>
<tr>
<td>Pot Labels, 6-in., plain, 1000 in. box...</td>
<td>$0.15</td>
<td>$0.50</td>
<td>$3.50</td>
</tr>
<tr>
<td>Pot Labels, 10-in., plain, 500 in. box...</td>
<td>$0.25</td>
<td>$1.10</td>
<td>$8.50</td>
</tr>
</tbody>
</table>

Tree Labels, copper wired, plain,...

PLANT STAKES

Green Bamboo Stakes—For supporting tall plants—

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ft. long...</td>
<td>$0.35</td>
<td>$3.50</td>
<td>$35.00</td>
</tr>
<tr>
<td>4 ft. long...</td>
<td>$0.45</td>
<td>$4.50</td>
<td>$45.00</td>
</tr>
<tr>
<td>5 ft. long...</td>
<td>$0.55</td>
<td>$5.50</td>
<td>$55.00</td>
</tr>
</tbody>
</table>

Dahlia Stakes—5 ft. x 1 inch x 1 inch, pointed, painted green. Each, 18c; dozen, $1.60; per 100......$13.50

Bamboo, heavy, dyed green, for dahlias and roses—

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ inch, diam.</td>
<td>$0.45</td>
<td>$4.50</td>
<td>$45.00</td>
</tr>
<tr>
<td>1 ft. long,</td>
<td>$0.95</td>
<td>$9.50</td>
<td>$95.00</td>
</tr>
<tr>
<td>2 ft. long,</td>
<td>$1.75</td>
<td>$17.50</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

RAFFIA

Natural, in skeins weighing from ½ lb. to 2½ lbs.; excellent for tying up plants, grafts, etc.; in original skeins. Per lb., 45c; less original skeins, per lb., 50c.

PLANT URNS

Made of Cement Concrete—Molded to last a lifetime. Very attractive designs and convenient sizes. Write for details and prices.

REDWOOD FLOWER BOXES

The material used in making these boxes is genuine redwood. The following sizes are carried in stock, prices f.o.b. Salt Lake City:

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Length 2 ft. Depth 8 in., width 8 in., each...</td>
<td>$1.25</td>
<td>$12.50</td>
<td>$125.00</td>
</tr>
<tr>
<td>5 Length 3 ft. Depth 8 in., width 8 in., each...</td>
<td>$1.75</td>
<td>$17.50</td>
<td>$175.00</td>
</tr>
<tr>
<td>6 Length 4 ft. Depth, 8 in., width 8 in., each...</td>
<td>$2.25</td>
<td>$22.50</td>
<td>$225.00</td>
</tr>
</tbody>
</table>

P.-W.'s METAL FLOWER BOXES

These are made of the best grade of metal with nest, round corners and a full roll rim. We consider these boxes the best value on the market today of the self-watering type.

Sizes and prices as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, No. 1, 9 in. high by 7½ in., wide by 24 in. long, each...</td>
<td>$2.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 2, 9 in. high by 7½ in., wide by 36 in. long, each...</td>
<td>$3.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 3, 9 in. high by 7½ in., wide by 36 in. long, each...</td>
<td>$3.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

“HARRIS READY TO USE” PLANT BANDS AND POTS

They are the only really Read-to-Use bands on the market. There are no locks to put together, no tacks to drive, no folding of tines—just slip, and they are packed nicely in cartons containing a given quantity and are in order; ready-to-use. Many other makes come loose and bave to be arranged in order before using.

<table>
<thead>
<tr>
<th>Description</th>
<th>Per 12</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B Plant Bands, 2 x 2 in....</td>
<td>$1.25</td>
<td>$12.50</td>
<td>$125.00</td>
</tr>
<tr>
<td>3B Plant Bands, 3 x 3 in....</td>
<td>$1.50</td>
<td>$15.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>4B Plant Bands, 4 x 4 in....</td>
<td>$2.25</td>
<td>$22.50</td>
<td>$225.00</td>
</tr>
<tr>
<td>2P Plant Pots, 2 x 2 in....</td>
<td>$1.50</td>
<td>$15.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>3P Plant Pots, 3 x 3 in....</td>
<td>$2.00</td>
<td>$20.00</td>
<td>$200.00</td>
</tr>
<tr>
<td>4P Plant Pots, 4 x 4 in....</td>
<td>$2.50</td>
<td>$25.00</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

FLORISTS’ MOSS

Suitable for use inlining hanging baskets and for self-watering plants. 1 lb., 35c lb., 60c.; 5 lbs., $1.15, postpaid. Not prepaid in bales of about 75 lbs., $5.50 each.

HOLLAND PEAT LITTER FOR POULTRY

Very valuable to mix with sois especially for potted plants. It has also become of great value in poultry raising for use in bedding brooder and laying houses. One Bale covers 80 sq. feet, 4 in. deep. In addition to keeping the brooder warm, it is a great fertilizer, keeping the house warm and comfortable. It provides a clean and sanitary bedding for the hens to peck and walk in. The manure is cleaner, saves a great deal of labor, and is excellent for the garden. It rich mellow texture that it imparts to the soil with which it is incorporated puts the soil in ideal condition for the laying of a lawn, a flower or vegetable garden. It is also used for mulching Perennials and Rose beds as well as around Evergreens, both the broadleafed kinds as well as the coniferous sorts. We recommend it for packing and storing bulbs, such as Cannas, Dahlias, etc. Large bales, 15 cu. ft., about 180 lbs., covers 50 sq. ft, 4 in. deep, $5.00. Broken bale lots $1.00 per bag.

GRANULATED PEAT MOSS

This is of invaluable importance as a soil conditioner. It adds organic matter (humus) improves the texture, conserves moisture and aseates the soil. It is used extensively for mixing in soil for pot plants, also window boxes, and it is an excellent medium in which to grow bulbs. It is rich mellow texture that it imparts to the soil with which it is incorporated puts the soil in ideal condition for the making of a lawn, a flower or vegetable garden. It is also widely used for mulching Perennials and Rose beds as well as around Evergreens, both the broadleafed kinds as well as the coniferous sorts. We recommend it for packing and storing bulbs, such as Cannas, Dahlias, etc. Large bales, 15 cu. ft., about 180 lbs., covers 50 sq. ft. 4 in. deep, $5.00. Broken bale lots $1.00 per bag.

SOILTEX

Test for acid soil with Soiltext (a new, quick, easy and accurate soil testing medium). Each test will make 75 to 10 tests. Full directions, color chart and lime table included. Pocket-size Soil Testing Outfit, with color chart and lime table, postpaid, 60c.

No. 136 IMPERIAL LAWN EDGE TRIMMER

For the man who takes pride in his home and lawn. Trims off the rough straggling grass that over hangs the sidewalk and curb, also provides quick drainage for sidewalks. Delivers the cutting on the walk to be shoveled up. Each, $1.75.
Hudson Cultivator No. 212

No. 212 may be used as a double wheel hoe plow, or cultivator astride the row during early cultivation, and as a single wheel cultivator between the rows later. The single steel arch is high enough to permit straddling until the plants are well grown. Shipping weight 37 lbs. Each, $12.50.

Hudson Garden Plow No. 340

This high wheel plow is a favorite. Frame is steel with adjustments for varying the pitch of the tools. Wheel is 24 inches high with 1 3/4 inch tire, insuring easy running. Shipping weight 21 lbs., Each, $4.75.

Hudson Garden Cultivator No. 228

No. 228—Single wheel cultivator, light enough for child or woman, yet sturdy enough for a man. Equipment consists of a pair of hilling plows, pair of surface hoe, four cultivating teeth and a vanguard. Shipping weight, 25 lbs. Price, $5.00.

Hudson Seeder and Cultivator No. 208

No. 203 — (See cut above). It is ideal for the gardener whose requirements do not justify separate machines for seeding and cultivating, being equipped for use as hill and drill seeder, or wheel hoe plow or cultivator. Changes from one to the other are made quickly and easily. Cultivating tools are high grade steel; all shanks are malleable and unbreakable. Weeds, trash and hilling plow have polished and beveled surfaces and sharpened cutting edges. Wheel is 16 inches high, with 1 3/4 inch tire, handles are seasoned hardwood adjustable in height. Weight 56 lbs.; Each, $18.75.

Cyclone Seed Sower

A good large sower that meets the most exacting demands. Hangs by a strap over shoulders of operator. Hopper-sack has a capacity of 1/3 bushel. Broadcasts evenly all varieties of grain and grasses. Weight, 4 lbs. Price—Each, $2.50. If by mail add 25c extra for postage.

Glass Cloth or Suntex

Glass Cloth is a strong fabric treated by a patented process to make it transparent, weather-proof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It admits abundant light which is diffused and scatters to all parts of the enclosure. It comes in rolls 36 inches wide and any length. Yard, 40c; 10 yds., $3.75; 15 yds., $5.00; per roll of 100 yds., $28.00.

Cleveland Lawn Weeder

No more broken backs. This device gets at the root of the evil and removes it bodilily. The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding soil. Price each $1.00.

Protect Chicks & Plants with

CEL-O-GLASS

At last an unbreakable material that is neither glass nor wire cloth, yet combines the transparency of glass with the toughness of metal. Extremely light in weight, weatherproof, flexible and durable. CEL-O-GLASS is admirably suited for chicken house fronts and windows; roll-frames and hotbeds ash; greenhouse sides, fronts and partitions. Put up in rolls 3 feet wide up to 100 feet long. Price—50c per running foot. 10 feet, $4.50; per roll of 100 feet, $40.00.
SPRAY PUMPS—FOR EVERY PURPOSE
All Sprayers are quoted F. O. B. Salt Lake City, unless otherwise noted.

BROWN'S RELIANCE
This is a sturdy wheelbarrow sprayer for use in spraying whitewash, kalsolime and cold water paints. It is also an excellent field crop, garden truck, vineyard and general spraying. This machine consists of 15 gallon corrugated galvanized steel sheet bucket, truck frame and wheel. Due to the large capacity at chamber of the pump, this machine will spray approximately twice as long as the ordinary sprayer after pumping has ceased. Shipping weight 83 pounds. Price, $98.00

BROWN'S NO. 9
The simplicity, ease of operation and durability of this sprayer has made it a large volume number. The brass screw lock on this sprayer is a feature which enables the operator to use the handle as a wrench to tighten the brass cup on the tank cylinder without revolving the pump cylinder, thereby chewing up the gasket and breaking the pressure seal. Pump is all brass valve. Furnished with 3-foot brass extension, brass lever shut-off and it has all of the advantages that a double weighted gallon pounds. The weight gallon adapted is very economical and has been used extensively. BROWN'S SPRAY MACHINES INC.

BROWN'S NO. 30-D
An efficient wheelbarrow sprayer with suction cup agitator. It is used for spraying all agricultural insecticides, disinfectants, whitewash and like solutions. Equipped with 12 gallon capacity, galvanized steel tank, pump, truck frame, 2 foot, 8 inch Iron Extension. Shipping weight, 47 lbs. Each, $17.50.

BROWN'S MIGHTY
A fifteen gallon wheelbarrow sprayer which consists of durably constructed corrugated bucket, heavy duty pump, truck frame, 9-D, 9-B, 9-gallon, galvanized steel sheet bucket, and 112 inch wheel. The pump is equipped with a heavy paddle agitator which keeps the solution thoroughly mixed. The sturdy air storage tank is guaranteed for 250 pounds pressure and will spray for a considerable length of time after pressure has been pumped up. An unexcelled sprayed for use in spraying orchards, field crops, garden truck, vineyards, and all general spraying. Shipping weight 112 lbs. Price, $40.00 each.

BROWN'S NO. 50
There is a constantly increasing demand for a smaller than 4-gallon compressed air sprayer. This sprayer of 3½-gallon capacity is recommended when a compressed air sprayer is required and the spraying is not extensive. On account of its being smaller and lighter in weight is more desirable when used by women or children. It is a most convenient size for use in a greenhouse. As time goes on this size compressed air sprayer increases in demand. Brown's No. 50 has all of the mechanical advantages that are incorporated in No. 9. Shipping weight 30 lbs. Each, $25.00.

SCOLLAY'S RUBBER PLANT SPRINKLER
Mist spray suitable for house plants indoors; shipping weight 1 pound. Price, $1.25 each.

THE SIREN TANK
A well built 5 gallon knapsack tank made of heavy copper bearing galvanized steel sheet. It is equipped with a heavy brass screen for straining solution. Brackets on tank top provide a place for pump when not in use. Especially designed for use with No. 5 Pump in spraying orchards, vineyards, field crops, garden truck and has many varied uses. Shipping weight, 7 lbs. Price, $5.15 each.

AUTO POP SHUT-OFF NOZZLE
Made entirely of brass. Adjustable and suitable for use on all compressed air machines, shown in cut "Compressed Air Sprayer." Handles all solutions. Fitted with ¾ inch pipe thread so extended rod can be added. Price, $1.55 each.

BORDEAUX WHITENING NOZZLE
No. 71—For spraying, whitewashing on houses. Adjustable to regulate the quantity of liquid used. Throws a wide flat spray, and can be graduated from a fine mist to a solid stream, or shut off completely. Made entirely of brass. Threaded ¾ inch standard pipe. Price, 85¢ each.
Brown's No. 6—A very powerful bucket pump easily generating pressure of over 200 pounds with remarkable ease. Similar in appearance to No. 60. (See cut.) The extension handle and foot rest are of malleable iron. Pump proper and pinger made of sound brass, brass tubing. Hose is 5/8-in. diameter, 5-ply. Weight, 6 lbs., price complete, $4.50 each.

BROWN'S NO. 60
This bucket pump is very durable, extra heavy, and generates high pressure. Air chamber on handle inures continuous discharge. Built to last a lifetime is equipped with levered shutoff nozzle, 3 ft. of 5/8-in 5-ply hose, and adjustable iron foot rest. Pump cylinder, valves, nozzle, shutoff and nozzle are all solid brass, weight 9 lbs., price complete, each, $7.50.

BROWN'S CONTINUOUSATOMIZERS

The following operate continuously on both up and down stroke, through a fine misty spray; handle any solution. Capacity is quart or quart and a half. Weight, 2 lbs. (See cut.)

No. 26 A. O. No. 26 A. B. and C. are same type and size as cut shown.

No. 26A—1 qt., tin pump, tin tank. Each, $1.00.
No. 26B—1 qt., tin pump, brass tank. Each, $1.50.
No. 26C—1 qt., brass pump, bronze tank. Each, $1.20.

BROWN'S WHIRLLWIND SPRAYER
This is a single action atomizer; heavy tin container, quart size, length of pump, 19 in. Weight, 2 lbs. Each, 60c.

Hudson Household Sprayer (F2)
This unique little sprayer holds about one-half pint. It is just the thing for household use for a few house plants or for flies, moths, ants, roaches, bed-bugs, etc. Price, 25c each. Postpaid.

Brown's Gem
This is a single action atomizer; built with a heavy lithographed pump cylinder and strong tin plate container. It handles all household oils, disinfectants, insecticides, and moth sprays. It is just the thing for use around the house. Diameter of pump cylinder, 1 3/4; length, 5 in. Weight, 1/2-lb. Each, 40c.

BROWN'S HEAVY DUTY BARREL PUMP
A serviceable, heavy duty pump of solid, durable construction. Because of the adjustable barrel clamp this pump can be used with any sized barrel. The outfit can be mounted on a wagon, or stone-boat for spraying orchards, vineyards, field crops or garden trucks and because of the heavy agitator is an ideal machine for spraying whitewash, cold water paint and kalsomine.

This pump will maintain a continuous pressure of 300 pounds and has high capacity for two lines of hose.

Equipment consists of stop cock and spray nozzle 12 1/2 ft. 5/8-in hose with coupling, extension pipe, iron, 2-1/2 ft. 8-in. in length. Weight, complete, 34 lbs. Price, $14.47 each.

Brown's Heavy Duty

THE CALIFORNIA BEAUTY DUSTER
The bellows' action is so rapid as to give an almost continuous flow of dust and still completely under control at all times. Ideal for row crops, such as Peas, Beans, Cabbage, Cauliflower, etc. It weighs less than ten pounds and holds twelve pounds of dust. Throws cloud of dust twelve feet. Price, $13.50 each.

Brown's Atomist
A Spray Gun or Atomizer with twin spray jets. Equipped with twin spray jets Glass tank. 1 qt. Capacity. Each, 75c.

Brown's Crystal Duster
This duster is a new type with glass jar container. The volume of dust expected is controlled by the force used in pumping. This duster is especially good for use in orchards, garden truck, field crops, poultry houses, and especially recommended for use with Cyanogen. It may also be used in applying Soot Remover to dirty flues, and for dusting newly finished walls with silver and gold powders. Shipping weight, 2 1/2 lbs. Each, $1.15.
PEST AND DISEASE KILLERS

Poisons Are Not Admitted to the Malls, so are shipped by Express or Freight only. On all other items not quoted at postpaid prices, see Zone Rates for amount to remit for postage.

Antrol

The Antrol system is adapted to any size house or garden, and quickly destroys all species of sweet-eating ants. It is composed of coarse grains containing partially filled with syrup, and placed about the outside edges of the house or along any other desired garden. Prices— Antrol sets of 4 containers and 1 4-oz. bottle of syrup, 95c; extra containers, 15c; syrup or bottles, 45c; pints, 95c; gals., $3.75.

Flyrol

Destroys Flies, Moths, Mosquitoes, Roaches, Bedbugs, Bees, Silverfish, Fleas, Chickens, Ico. Mites and their eggs. Flyrol sprayed thoroughly within the house, in a sanitary measure inuring against containing 100% active and non-poisonous. Will not stain. Easy to use. No unpleasant odor. A few minutes, and the work is done. Use Flyrol freely during spring and summer months. Pint, 55c each; $1.00; gal. $2.75; 5 gallons, $12.50.

Snorol

“Black Leaf No. 40” Nicotine Sulphate—40 per cent Nicotine—In addition to its effectiveness in killing Garden Pests, “Black Leaf No. 40” is pure death to moulty loops and small insects. You cannot go wrong by ordering “Black Leaf 40” for sucking insects. Prices: 1 oz., 33c; lb., $1.50; 5 lbs., $3.25; 5 lbs., $7.00; 10 lbs., $11.50; 1 oz. makes 6 gal.; 1/2 lb. 40 to 60 gallons.

Bluestone

Bluestone (or Copper Carbonate)—Used in preparing homemade Bordeaux Mixture. Lb., 25c; 5 lbs., $1.00.

Copper Carbonate Dust

Cupro-Jabonite (Copper Carbonate—18-20%)—During the last two or three seasons reports from experimental stations have shown that the use of the 18% to 20% Carbonate is equally as effective as the stronger grade is used; proven quite as beneficial and is available at a much less cost than the Pure Copper Carbonate. Lb., 10c; 5 lbs., $1.00. Write for quantity prices.

Cover Ease (Fly Driver)

It is liquid prepared from non-poisonous materials and will not gum the hair or blister the skin. A herd of milch cows sprayed regularly through the fly season will yield on the average of 10 to 20 per cent more milk.

Price—Quart, 60c; weight, 4 lbs.; 1/2 gallon, weight 8 lbs., $1.00; gallon, weight 15 lbs., $1.50.

Kellog’s Ant Paste

“Rattle Cap” A very effective remedy for control of ants affording a quick, temporary, and lasting control. 25c per bottle.

Dusting Sulphur

The most common fungus diseases that annoy the gardener and orchardist are Early Blight on potatoes, Scab on Peaches, and Rust on Peaches. Dusting Sulphur is good for all these and can be used by itself or in combination with Arsenate of Lead, mixing the two in proportions of 1 lb. 20c; 5 lbs., 65c; 10 lbs., $1.10: 100 lbs., $7.50.

Nico Dust No. 6

Six per cent Nicotine. Epecially prepared for garden pests. 1 lb., 45c; 5 lbs., $1.60; 25 lbs., $5.25; 50 lbs., $9.50; 100 lbs., $18.00.

Nico Dust No. 10

Similar to No. 6 but containing 10 per cent nicotine. 5 lbs., $2.00; 25 lbs., $6.75; 50 lbs., $13.00.

Paradox

(For Peach Borer Control)

This is an unavailable compound of Perchlorobenzene, which is recommended in Farmers’ Bulletin 1246, U. S. Dept. of Agriculture for the control of Peach Borer. Fall application is more profitable, but it and stir it in the spring. Use 1 oz. per tree on those of 6 years or older. Full directions with each order, 1 lb. can., $1.00; 5 lbs., $3.00.

Sodium Chlorate

The use of this chemical as a weed destroyer has been very effective; the one drawback is the injury to the soil where it has been used sufficiently strong to kill White Top and Wild Morning Glory. By using Sodium Chlorate in conjunction with “K-M-G” all soil damage is eliminated. Formed readily, and its effectiveness is greatly enhanced, 25c per lb., 10 lbs., $2.50; 50 lbs., $9.50; 100 lbs., $17.00.

Tobacco Dust

When dusted over the entire plot it is very effective in repelling many kinds of bugs and in keeping the foliage from Aphids and Lice. Price—1/2 lb., 15c; 1lb., 20c; 10 lbs., $1.25; 100 lbs., $7.50.

Volck

A very meritorious new insecticide, the best remedy we know about for mealy bug which has hitherto been beyond control. It is rc<3ect, and also, against Cyclamen Mite, Thrips, Red Spider, Aphids, White Fly, Millweed and Scale Insects. Dilute one part “Volck” to 32 parts water for general spraying; 1/4 pint, 50c; pint, 75c; qt., $1.00; gallon, $3.00; 5 gal., $12.00; 14 gal. drum, $25.00; 28 gal. drum, $40.00.

Weed Killers

There is nothing so annoying to the well-kept home grounds than weeds constantly coming up in the roadways, paths and gutters. This weed killer may be applied by means of a sprinkling apparatus of any kind. K-M-G Weedicide—Very effective. Price, $2.75 per gallon. Dilute with 10-25 parts of water.

Sodium Arsenite—Powerful destroying agent. Dilute with 30-150 parts of water according to toughness of the weed to be killed. Price: $4.50 per gallon.

Spray Oils

Fish Oil—Dissolve one to three parts of soap to 1 gallon of water for all small fruit. For large fruit trees, shade trees, etc., use 3 ounces for soap per gallon. Very effective for Spider Mites. “Black Leaf 40” Nico-Pume, Liquid, etc. 1/2 lb., 20c; lb., 35c; 5 lbs., $1.50.

Revenge

A most effective powder for Head lice and other vermin on Poultry, Hogs, Dogs, Cattle and Horses. “Revenge” gets them when other remedies fail. Apply direct as well as sprinkle in runs and bedding places. 1/2 lb. pkgs., 65c; 3 lbs., $1.00; 6 lbs., $1.75; 50-lb. pail, $6.25.

Health Paint

Health Paint is a white paint and a powerful insectis- tant powder for the emergency use when mixed with water. Easily and quickly applied to wood, brick, stone, cement, etc., and over whitewash. One pound will cover 100 square feet.

Low in cost and an excellent insectisiant white paint, 5 lb., pkgs., 85c; 10 lbs., $1.50; $5 lbs., $3.50; 50 lbs., $6.00; 100 lbs., $1.00.

Evergreen Spray

Effective against many other plant insects, including Cucumber and Melon Bittercots, Spotted Bugs, Rose Slugs, Leaf Hoppers, Currupt Worms, etc. Kills only insects—harmless to man, live stock, birds and pets.

Won’t injure the ground. Just mix with water and add a pleasant odor. No had effect on metal or rubber. Stays in solution and cannot clog sprayers.

Prices—1/2 oz., 35c; 6 oz., $1.00; 16 oz., $2.00; 32 oz., $5.50; 1 gal., $13.00.
PEST AND DISEASE KILLERS—Continued

Prices Subject to Change—All f.o.b. Salt Lake City except where otherwise noted.

**Garden Guard**
No sprayers, No Water, No Mixing. Dust on plants from a shifter top carton or through a burlap sack. The Bordeaux Mixture in Garden Guard acts, in a measure, as a fungicide. Prices—1 lb. shifter carton, 25c; 5 lb. paper bag, 75c.

**2-Way Spray**
Contains 15% Arsenate of Lead and 85% Bordeaux Mixture—2 results with one spray. Controls insects. Combats Blight, Stimulates Folage. Easy to apply—wet or dry. For dusting, apply lightly, as it comes in the package. In spraying apples, grapes, and most vegetables use 1 1/2 level tablespoons to 1 gallon of water. On pears, sour cherries, egg plant and peppers, use 2 level tablespoons to 1 gallon of water. Prices—3/4 lb. carton, 25c; 1 lb. carton, 45c; 4 lb. paper bag, $1.00.

**Arsenate of Lead**
Arsenate of Lead is recommended to control all leaf-eating insects on trees, shrubs, flower and vegetable plants. When dusting fruit, add 5 parts hydrated lime. Vegetables 8 parts lime. One-half lb. carton, 25c; 1 lb. carton, 45c; 4 lb. bag, $1.00. Write for quantity prices.

**Acme All Round Spray**
"Acme All Round Spray" is composed of nicotine sulphate, arsenate of lead and Bordeaux mixture, scientifically combined, and recognized by leading authorities as the proper combinations for controlling chewing and sucking insects, and blight and fungus diseases in one application. Price—3/4 lb. size, 75c; 1 lb. 95c each.

**Paris Green**
Always uniform, fluffy and free running. Used dry will not clog the dusting machine.
For potato bugs, use from 1/2 to 3/4 of a level tablespoon to 1 gallon of water. Apply as a dust on cotton, using 1 part Paris Green, 1 part flour, 5 parts lime. On tobacco, use as a dust alone or mixed with Arsenate of Lead. Price—1 lb. carton, 90c; 1 lb. cartons, 50c; 4 lb. cartons, $1.75.

**Bordeaux Mixture**
Prevents large losses caused by blight, rot, mildew, scab, anthracnose, and certain other fungous diseases, will stimulate plant growth and greatly increase the harvest.
Prices—1 lb. carton, 45c; 1 lb. paper bags, $1.40.

**Cyanogas**
Cyanogas or Calcium Cyanide is a most valuable insecticide as well as a rodent destroyer. Cyanogas is used for the control of all grape-leaf hoppers, flea, chinch bugs, grasshoppers in hatching beds, squash bugs, and many other insect pests, as well as rats, gophers and other rodents. It is also used for the fumigation of greenhouses and hothouses.
Cyanogas "A" Dust—1 lb., 75c; 5 lbs., $2.65; 25 lbs., $9.50. Cyanogas "C" Dust (For Greenhouse)—1 lb., 85c; 5 lbs., $5.50; 25 lbs., $12.50.

**K-M-G Dandelion Killer**
The old-fashioned, inefficient and back-breaking grief of "grubbing" to get rid of Dandelions is gone forever, and K-M-G Dandelion Killer is responsible. A drop of two of this remarkable new preparation in the center of a dandelion plant (not the root) kills it completely and permanently. It is easy to use and obtains results that are miraculous. Rid your lawn of this obnoxious pest—get K-M-G Dandelion Killer. One bottle will clean up an average size lawn. Price, 60c each.

**K-M-G Morning Glory Killer**
The root of the Wild Morning Glory plant is often fifteen feet or more in length. For this reason, it is next to impossible to eradicate it by cultivating. The one satisfactory way to eradicate Wild Morning Glory, Canadian Thistle, etc., is to kill the root. And that is exactly what K-M-G does. Applied as a liquid spray to the leaves and stems, it is absorbed and distributed throughout the entire root system—killing the entire plant. One or two sprays will solve the Wild Morning Glory problem permanently. Wild Morning Glory treated with K-M-G is dead—dead beyond any chance of resurrection.
An acre $3300 feet requires 1 gallon of K-M-G. An acre of solid Morning Glory requires from 20 to 40 gallons of K-M-G. Mix 1 part K-M-G to 16 of water.
Price—1 gallon, $7.00; 5 gal. drum, $12.25; 10 gal., $17.50; 50 gal., $75.00; 100 gal., $135.00. All prices f.o.b. Salt Lake City.

**Lime Sulphur**
For dormant spraying in the fall or early spring against Scale, Peach Blight, Leaf Curl and Twig Borers, use 1 1/2 to 2 1/2 tablespoons to 1 gallon of water.
For summer spraying against Scale, Soot and Blotch, Red Spider and Milk, use from 2 1/2 to 3 level tablespoons to 1 gallon of water. 1 lb. can, 35c; 5 lb. can, $1.25; 16 lb. can, $2.00.
FERTILIZERS AND SOIL BUILDERS

VIGORO

Specially prepared plant food

CLEAN, ODORLESS, EASY TO APPLY

Enjoy Better Lawns, Flowers and Gardens by Using Vigoro

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery, and stately trees.

You can enjoy these beauties of nature if you use good seed, plants, bulbs, and the right plant food. The right plant food is important because plants must be fed the same as human beings.

VIGORO provides an economical, practical, and effective way to secure fine results. Economical because the cost is only 10 to 20c for every 100 square feet. Practical because it is clean, odorless, easy to apply. It can be sown by hand like grass seed or applied with an ordinary kitchen colander. Effective, because it contains all of the elements of plant food required to produce early, vigorous growth, and bring fruit, flowers, and foliage to full development.

Complete directions for applying VIGORO for all plants are contained in every bag. VIGORO can be used at the rate of four pounds per 100 square feet (10 ft. x 10 ft.) in the spring and fall. Use one-half this amount for summer feeding. Using this as a basis, the amount of VIGORO needed for large areas such as parks, large estates and cemeteries can be easily calculated.

Many years of extensive research work and actual growing tests have been devoted by Swift & Company's horticultural experts to the development of a product containing the right kind and amount of plant food necessary to produce the best flowers, vegetables, grass, etc. As a result of that work, VIGORO, the scientifically prepared plant food, has been developed.

VIGORO is a complete plant food furnishing all the elements necessary for plants to grow and be healthy. It is a fertilizer, soil builder, and plant food all in one. When VIGORO is used, it is unnecessary to use such materials as bone meal, liquid cow manure, or sheep manure.

VIGORO produces more blooms, increases the size of fruit, improves the quality of the flower, besides producing blossoms of lasting quality. Prices f.o.b. Salt Lake, 12-oz. can, 10c; 5-lb. can, 60c; 25-lb. bag, 2.00; 50-lb. bag, 3.75; 100-lb. bag, 6.00.

SWIFTS' RED STEER BRAND FERTILIZER

This is a scientifically compounded fertilizer, according to definite formulas designed for special orchard, garden and farm crops. The formulas represent proportionate parts of Ammonia, Phosphoric Acid and Potash in the order named.

The two that meet the average soil condition in the Salt Lake Valley for the crops specified we list below, are we prepared to furnish any special mixture desired to meet definite crop and soil requirements. We solicit your correspondence. Let our Fertilizer Experts assist in your problems. Prices quoted are f.o.b. Salt Lake and subject to market changes.

Red Steer Formula 3-10-10—For apples, cherries and truck garden crops. Use 800 to 1000 lbs. per acre. Price—$4.90 per ton; per bag of 125 lbs., $4.40.

Red Steer Formula 5-7-8—For strawberries, small fruits. This formula has been found to be most efficient by large strawberry growers in the northwest and works equally well in Utah. Use 800 to 1000 lbs. per acre. Price—per ton, $6.50; per bag of 125 lbs., $4.50.

SWIFT & CO.

SALT LAKE CITY, UTAH

OTHER GOOD FERTILIZERS

Bone Meal—A good fertilizer, should be forked in the soil in the Fall if possible. 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00.

Bat Guano—A pure natural manure, excellent for mixing with good garden soil. One pound to six parts soil. Especially rich in nitrogen and humus. 25 lbs., $1.00; 100 lbs., $2.75; 48.00 per ton.

Lime, Hydrated (Finely Pulverized)—The value of lime as a soil improver is so well known that little need he said about it here. Although it possesses little fertilizing value in itself, it is indispensable in improving acid soils, improving the mechanical condition of the soil, for grass, farm crops, etc. Broadcast 10 lbs. to 200 sq. ft., or 1 ton to the acre. 5 lbs., 2000 lbs., 50c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.00.

Fish and Meat Meal—Very much in demand for cetyre, lettuce and other garden crops, 25 lbs., $1.25; 100 lbs., $3.75. Write for quantity prices.

All Fertilizers are quoted f.o.b. Salt Lake unless otherwise noted, if by mail add extra for postage.

FREE FALL CATALOG On Bulbs, Seeds, Shrubs, Trees, Etc.—Ready About Middle of August—Ask for Free Copy.

Our Dutch Bulbs such as Hyacinths, Crocuses, etc., come to us in carload lots direct from the best Holland growers. In variety, quality, price, no better service can be had in America than we offer. Fall catalog gives full and complete information.

Stim-U-Plant—An all-the-year fertilizer for gardens and house plants. An odorless, highly concentrated plant food in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. Price, 10 tablets for 15c; 30 tablets for 25c; 100 for $1.00, $2.50.

Sulphate of Ammonia—Apply 100 to 500 lbs. per acre. Use only after plants are above ground. If used in liquid form dilute 2 oz. to 1 gal. of water and do not apply stronger than twice a week. 5 lbs., 50c; 25 lbs., $1.25; 100 lbs., $4.00.

Treble Super Phosphate—A very highly concentrated product containing 45% available phosphate. Highly recommended either for applications alone or combined with other fertilizer. Per bag of 125 lbs., $4.00; ton, $50.00.
INOCULATE THE EASY WAY
With the Dependable

INOCULATORS

Now you don't have to use out-of-date, messy methods to treat your legume seeds. McQueen's Dust-Kote Inoculator is just dusted on the seed. Takes but a moment to do it. Sticks to seed and is a clean, handy inoculator.

Hardy Farm Grown Bacteria
Absolutely guaranteed to give satisfactory results or your money back. This is for your protection. You are the judge of results. Simple directions for mixing inoculator with your seed are printed on each package of McQueen's. Do it right in seeder or drill box. No water is used.

More Loads From Same Acreage
Inoculate your Alfalfa, Sweet Clover, Soybeans, Peas, Vetch, Beans and Clowers of all kinds with McQueen's guaranteed Inoculator. It increases the crop, improves its quality, enriches the soil and saves fertilizers.

Cost is small—order for the amount of seed you wish to treat.

For the small seed—Alfalfa, Sweet Clover, Lepsedeza

<table>
<thead>
<tr>
<th>Size (lbs.)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>$1.75</td>
</tr>
<tr>
<td>1/2</td>
<td>$1.50</td>
</tr>
<tr>
<td>1.0</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

For the large seeds—Soybeans, Vetch, Peas, Austrian Peas, Cow Peas, Beans

<table>
<thead>
<tr>
<th>Size (lbs.)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>$2.50</td>
</tr>
<tr>
<td>3.0</td>
<td>$4.00</td>
</tr>
<tr>
<td>5.0</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

Always state kind of seed you wish to inoculate

RELIABLE POULTRY NET
(For Catching Poultry)

This net is made of stout cord attached to heavy galvanized wire 17 inches in diameter, securely riveted to a wooden handle 31 inches in length. Users say "it's the handiest tool out for catching 'em." It is equally serviceable as a fish net for landing the "big fellows" that heretofore have been left in the lake. Price, $1.35 each.

SEMESAN DISINFECTANTS
Ask for Free Semesan Booklets

Seed disinfectant is now generally regarded as an essential requirement of profitable farming.

Semesan provides the one effective method of controlling the various damping-off diseases. It is being used with wonderful results in all sections of the country, grains, field crops, vegetables, flowers and ornamentals. Brown patch of grasses, a disease which swiftly destroys the expensive turf of gold greens, estate lawns and tennis courts, can be prevented, and, if treated soon enough, cured with Semesan.

Semesan Jr. is used as a dust to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by Governments, the Federal and State

Semesan Jr. increased yields from diseased seed varying amounts up to 38%.

SemesanBel

Applied to whole or cut seed potatoes, either as a dry powder or in liquid form, Semesan Bel will prevent or control any common seed borne potato diseases. Also very effective in treatment of Gladioli and other bulbs.

Ceresan (For Seed Grains)

Why lose part of your grain crops through smuts and other diseases? Prevent them and protect your profits by treating all seed grains with Ceresan. Only 2 ounces mixed per bushel of seed wheat, rye, sorghums or millets and 3 ounces for oats and harley.

PRICES FOR SEMESAN DISINFECTANTS AS FOLLOWS:

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 oz.</td>
<td>$2.75</td>
</tr>
<tr>
<td>1 lb.</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

FIBRE BRUSHES
Strong and tough, 24 in. wide. Convenience for cleaning out poultry coops. Each, $1.75.

WIRE BRUSHES
Just the thing for poultry houses. Strong and durable, 16 inches wide. Each, $1.50.

RABBIT SUPPLIES

We carry a full line of Rabbit supplies, feed and water crocks for rabbits and other supplies. Write for special information on items of interest not found listed in this catalog.

BUNNY BARS

Balanced Rabbit Ration
"Not a Sneeze in a Sack"

These bars supply artificial sunshine (Vitamin D) by the use of Cod Liver Oil. They are a combination of the following ingredients, each of which serves a special purpose: ground grains, linseed oil meal, hone meal, cane molasses, charcoal, calcium carbonate, dried buttermilk, cod liver oil, 1 per cent salt.

Rabbit Remedies

We supply the following medicines:
Cold Remedy, Anti Sweats, Anti Pot Belt, Digestive Tablets, Anti Stool Tablets, Anti Diarrhea, Liver Tablets, Tonic Powder, Vomint Ointment, Worm Medicine.

Any of the above "specifies" at $1.00 each, postpaid.

RABBIT FEED DISHES

Durable porcelain crocks in following sizes:

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Doz. 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange Top</td>
<td>5 1/2</td>
<td>$0.20</td>
</tr>
<tr>
<td>Flange Top</td>
<td>6 1/4</td>
<td>$0.25</td>
</tr>
<tr>
<td>Flange Top</td>
<td>7 1/2</td>
<td>$0.30</td>
</tr>
</tbody>
</table>

RABBIT DRINK DISHES

Serviceable round bottom porcelain crocks. Seldom break by freezing.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Doz. 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 4 1/2</td>
<td>$0.25</td>
<td>$2.50</td>
</tr>
<tr>
<td>Size 5 1/2</td>
<td>$0.29</td>
<td>$2.50</td>
</tr>
<tr>
<td>Size 6</td>
<td>$0.32</td>
<td>$3.00</td>
</tr>
</tbody>
</table>
TYCOS CERTIFIED INCUBATOR THERMOMETER NO. T5783

Worth the slight addition in cost. Retested and certified. Make sure, doubly sure. To the man about to "set" an expensive hatch this reassurance means much. Can be used to test other incubator thermometers, black scale and white figures, and every single degree graduation engraved directly on the glass tube, and every fifth line and figures stamped on the metal scale. Each in a box with stand and certificate.

No. T5783
Price, each, $1.25
No. 5776 Incubator, 90c

When used with Stand

When used without Stand

Incubator-Brooder Thermometer, with legs, each $1.00
Brooder Thermometer, each $0.75
Brooder Wood Mounted Thermometer, each $1.00
No. 5581—Tyco Hotbed Thermometer, construction for soil, each $2.50
Hygrometers, each $1.75

Double Unit Wafer Thermostats for Brooders and Incubators

The double units have a solid post between them, making each wafer independent of the other, so if one wafer should become injured the other would continue to function. They are dependable and accurate and intended for coal burning brooders, oil brooders, incubators or most any place that a wafer thermostat is required. No. 297—Double Unit Wafer. Size 3 in., wt. each 4 oz. Each, 50c; 2 for 90c.

Reliable Egg Scale

Reliable This scale grades eggs quickly, easily and exactly. Has a quick double shift, just a flip of the finger, and you can get all weights required with one shift, thereby taking the place of two scales. It has four steel knife-edge bearings, which guarantees a correct weight and long life. Price, $2.20 each.

Acme Very accurate testing scale for egg grading. Has 9 weight adjustments. $3.00 each.

EGG SCALES

MEASURE
IN THE EVAPORATION
IN YOUR INCUBATOR

No incubator is properly equipped without a Moisture Guide as well as a thermometer. The use of above guide will insure proper moisture. Price complete, $1.00 each.

PAPER EGG BOXES

Paper Egg Boxes—All styles, made of extra heavy card board and will carry eggs safely. Shipping weight, 2 lbs. per dozen.

Standard—3x1, dozen, 20c; 100, $1.00; 250, $2.00; per M, $7.50.
Standard—2x6, dozen, 25c; 100, $1.25; 250, $3.00; per M, $11.50.
High Color—2x6, doz., 35c; 100, $1.50; 250, $3.50; M, $13.50.

NEST EGGS

Lime Nest Egg Preferred by many as they are unbreakable and more natural in shape and color. Price, 5c each; 40c, dozen. Wt. 2 lbs. per dozen. Postage extra.

Porcelain—Best grade, strong and durable. Each, 5c, 50c, $1.00.

LEG BANDS

Single Coil Spiral Colored Bands—These are made of celluloid and in six different colors, black, red, green, yellow, cerise and dark blue. They can be taken off and put on very quickly and easily and will last a lifetime. They are made in sizes for every breed of poultry, pigeons and baby chicks. Please state breed when ordering.

Size

No. 4—Day Old Chick... $1.15
No. 5—Pigeon........... $1.25
No. 6—Mediterranean... $1.45
No. 9—Ex. Mediterranean $1.65
No. 9—American........ $2.50
No. 12—Asiatic.......... $4.00
No. 14—Turkey........... $5.50
No. 16—Turkey Tom..... $9.00

BANDETTES—CELLOPHANE FLAT LEG BANDS

Bevel ended with spring clip pattern, giving the band a neat jointless appearance, leaving nothing unprotected, the inside being smooth the band cannot hurt the bird. Five colors, blue, red, yellow, green and pink. Furnished in sets—1 to 25, 10 to 50 and 1 to 100.

Size

No. 1—Skinny............ $1.25
No. 3—Skinny............ $1.50
No. 4—Skinny............ $1.75
No. 6—Skinny............ $2.00
No. 8—Skinny............ $2.50
No. 10—Skinny........... $3.00

CHICKEN MARKERS

Chicken Markers—All postpaid.
Pitty's Perfect Poultry Punch, small hole, each, 30c.
Mc's Idea Poultry Punch, nickel plated, each, 50c.

CAPONIZING SETS

Caponizing has become very popular with the poultry men, as it brings the highest prices in poultry. The capon makes quick, tender meat. Make a practice in poultry raising all male birds should be made capons. Very easy to do after reading special book of instructions.

We offer the following well known sets, all postpaid.
Pilling-Farmer Caponizing set, each...$3.00
Pilling Special Caponizing set, each...$4.00
Hind-Jersey Caponizing set, each...$1.25

LAMPS, BURNERS, ETC.

Lamp Bowls for No. 3 Burners, ratianized, each.... $0.80
Lamp Burners, No. 3, brass, each.................$0.70
Burner Reducers, fits No. 3 bowl and No. 2 burner...
Burner Enlarger, fits No. 2 bowl and No. 3 burner...
Wicks, Common, for all sizes; each, 50c; 6 for $0.25
Tin Chimney, for No. 2, 30c; for No. 3 burners: each 35c.
NEW ROYAL BROODERS
Burns Hard or Soft Coal or Coke

Again the coal capacity on Royal Stoves is increased, making them larger and heavier, giving better values at lower prices. Now made in two sizes, will burn hard or soft coal or coke; have double draft control and require 3-inch pipe. Automatic regulation controlled by check-draft, governed by two double filled wafer thermostats.

New style canopy has the front quarter hinged; all wire-bound and shipped K. D. Easily assembled, easier handled. In addition these stoves are equipped with a half throw-over cast-iron damper in the pipe collar which can be either used or not used as the consumer elects. The Royal Brooder Stoves can be furnished with a gas burner and shut-off cock in place of grates and regulating arm, if so ordered originally without extra charge. Extra gas burners for all sizes can also be furnished as well as special Powers thermostat regulators on which quotations will be made upon request.

No. 5—Chick cap., 500; coal cap., 44 lbs.; size hover, 52-in.; height, 23¼-in.; dia. grate, 9½-in.; shipping weight, 100 lbs.; f.o.b. Salt Lake, price, $15.95.


ROYAL ELECTRIC BROODERS
50 to 75 Chick Capacity

Trouble-proof, practical and yet inexpensive electric brooder. Furnished with 50 watt protected heating unit. Canopy 24 inches in diameter made from heavy galvanized iron supported by strong steel legs. Handle on top permits carrying. Complete with 10 feet of cord on either model.

No. H-51—Weight, 5 lbs.; with heating unit, each............................$3.50

No. E-50—Weight, 4 lbs.; without heating unit, each..........................2.50

P.W.'S ELECTRIC BROODERS

These electric brooders reduce labor cost of brooding by 50 per cent. They can be installed and placed in operation immediately, just plug into the nearest lamp socket and adjust thermostat switch to desired temperature, the heat is then turned on and off automatically.

SPECIAL NOTE—No. K-784 operates on 32, 110 or 220 volt, direct or alternating current. BE SURE TO SPECIFY CURRENT WHEN ORDERING. Prices are f.o.b. Salt Lake City. Power consumption kilowatts per 24 hours:

No. K-732—Size 32X32-in.; 250 chicks; wt., 35 lbs..............$16.00

No. K-742—Size 42X42-in.; 425 chicks; wt., 70 lbs.............20.00

No. K-752—Size 52X52-in.; 650 chicks; wt., 100 lbs...............24.00

No. K-784—Size 52X84-in.; 1,000 chicks; wt., 140 lbs...........42.00

BUCKEYE INCUBATORS

Buckeye incubators are guaranteed by the manufacturer to hatch every fertile egg. A limited stock is carried in Salt Lake City. In ordering, therefore, please allow ample time to permit of shipment direct from the factory if necessary. Prices include freight.

No. 14—Style E; weight, 55 lbs.; cap., 65 eggs; f.t. pd., each $18.00

No. 15—Style E; weight, 85 lbs.; cap., 120 eggs; f.t. pd., each 24.75

No. 17—Style E; wt., 125 lbs., cap., 210 eggs; f.t. pd., each 33.50

No. 1—Standard; wt., 110 lbs.; cap., 110 eggs; f.t. pd., each 33.50

No. 2—Standard; wt., 135 lbs.; cap., 175 eggs; f.t. pd., each 33.50

No. 3—Standard; wt., 200 lbs.; cap., 350 eggs; f.t. pd., each 49.50

No. 4—Standard; wt., 230 lbs.; cap., 390 eggs; f.t. pd.; each 60.00

No. 5—Std. Mam.'s; wt., 225 lbs.; cap., 600 f.t. pd.; each 91.75

NOTE—We can supply Electric Brooders. If interested please write us for details.
MASSON JAR FOUNTS
Will fit pint, quart, or half gallon Mason Jar. Convenient, cheap, sanitary. Can be used for feed as well as water. Both "Round" and "Star" shaped styles.

No. 0—Round Shaped Tin (postpaid), each... $0.10
No. 1—Enamelled (postpaid), each... $0.10
No. 2—Star Shaped Tin (postpaid), each... $0.10
No. 132—Star Shaped (Made of Charcoal Tin) Feeding Buttermilk. Each, 15c; 2 for... $0.25
No. 60—Feeding Buttermilk, Each, 15c; 2 for... $0.25

MOE'S ADJUSTABLE MILK FOUNTAIN No. 139
Magazine Feeder in Tin Plate. Adjustable up and down to feed slowly or rapidly, for any kind of milk or feed. Capacity about 2 quarts. Has 12 feeder holes. Each, 75c, wt. 1 lb.

NON-FREEZE DRINKING FOUNTAINS
These fountains are constructed like Thermos Bottles, so thoroughly insulated that even at zero and below the water is not affected from freezing and in hot weather the water remains cool for a long time.

Three-gallon size, shipping wt., 23 lbs., each... $8.25
Five-gallon size, shipping wt., 27 lbs., each... $10.75

ROYAL LEADER CHICK FOUNTAIN No. 30
Made from heavy galvanized iron in two pieces. Top made with bail for carrying. Base pulls off to fill. Pressure of air and moves in pan hold weight of water and fountain may be carried by handle without fear of spilling. Special deep narrow pan for chicks. It holds one gallon, shipping weight, 3 lbs. Price, each, 20c.

ROYAL GALVANIZED FOUNTAIN No. 32
This fountain is made from extra heavy gauge iron and provided with an exceptionally heavy bail. The bottom pan is pressed from one piece of metal and is made from 20-gauge galvanized iron. Turns upside down to fill. Pan is held in place by spring tension furnished by bail and forced in place. It holds six quarts. Shipping weight, 4 lbs. Each... $1.35.

NEW CLEANABLE THERMIC FOUNTAIN No. 10
This fountain is made from heavy galvanized iron with insulation that keeps the water warm in winter and cool in summer. The lower pan is also insulated to prevent the water that will be exposed to the air from freezing on account of coming in contact with the cold ground or floor. Many birds can drink at one time; very easily filled and cleaned, the outer insulated tank, slips down over the inside tank into which the water is poured. No valves to get out of order. On account of the overhang of the insulated outer part of the fountain, much dirt or litter is prevented from getting into the trough. Furnished with heavy bail for carrying.
Royal No. 10—Holds 5 gallons; weight, 27 lbs., each... $4.75

ROOF FLANGE
The new Royal Roof Flange which is adjustable to care for any pitch of roof, and is made from heavy galvanized iron, being rust-proof.
Furnished complete with stack 24 inches high and rain cap as illustrated. Made for two sizes of pipe, 4-inch and 5-inch, which should be specified in ordering.
4-inch Royal Roof Flange, each... $1.80
5-inch Royal Roof Flange, each... $1.80

BROODER PIPE AND ELBOWS
Pipe, Black—5-in. diam., per length of 24 inches....... $0.25
Pipe, Black—4-in. diam., per length of 24 inches....... $0.30
Elbows—4-in., each............. 20c; 5-in., each............. 25c

ROYAL DRAFT EQUALIZER No. 20
This prevents coal burning too fast or wind blowing down the chimney, causing fire to smother. It is made with either 4-in. or 5-in. galvanized pipe. Each, 95c.

NEW IDEA JAR FOUNT
Will fit any size or kind of glass Jar. Does not tip over easily. Made from Charcoal Tin, for milk or buttermilk.
No. 14—Charcoal Tin, each... 15c.

BUTTERMILK FEEDERS NO. 41
Made from heavy Charcoal Tin, spring steel clip enameled, which snaps on the outer edge of pan. Easy to fill. Glass Jar not furnished. Each, 15c; 2 for 25c.
ROYAL ELECTRIC FOUNTAINS

This series of fountains which is of the same pattern as No. 203, No. 205 and No. 208 fountains, is equipped with extension bottom and a special flat type of heating unit fastened to the bottom of the fountain. The heating unit, 50 watt capacity, 1.2 kilowatt of electric current is all that is required for 24 hours continuous operation. Guaranteed to keep water from freezing in temperatures down to zero. Furnished complete with 10 feet of cord and screw plug.

No. 225 — Capacity 3 gallons; Weight 19 lbs.; Each.............$1.50
No. 227 — Capacity 5 gallons; Weight 15 lbs.; Each.............$2.50
No. 228 — Capacity 8 gallons; Weight 17 lbs.; Each.............$3.50

Royal Fountain Heaters

Made from heavy galvanized iron with oil fount built-in. Furnished with "no-chimney" burner which insures perfect combustion. Burns for a number of days with one filling of oil. Number 211 is used with No. 203 fountain. Number 214 is used with No. 205 and 208 fountains. No. 214 — Each, $2.00; Wt., 5 lbs. No. 211 — Each, $1.75; Wt., 1 lbs.

Automatic Float Valve

For regulating running water. One of the simplest and most efficient automatic water valves on the market. It is made entirely of brass and copper, making it rust-proof and it will wear indefinitely. Capacity about one quart per minute. Can be...ched to any city water line, farm water tank, supplying fresh water automatically. Price, $1.25 each.

Bottom Filled Fountain No. 103

An inexpensive fountain, made from heavy galvanized iron. Two piece cone shape, neatly striped with green around top. Easily filled and cleaned. To be used in connection with brooders in brooding large lots of chicks. No. 103 — 3 gal. cap.; shipping weight, 3 lbs.; each $1.25
No. 215 — 4 gal. cap.; shipping weight, 1½ lbs.; each, 60c
No. 303 — Capacity 3 gallons; shipping weight, 11 lbs., Each $1.50

Royal Charcoal Tin Large Buttermilk Fountains

Made from 128 lb. charcoal tin and have two large openings, one piece being with a piece of spring steel, a third piece of metal in the inside; in order to keep the milk from running out when the fountain is filled, when the outer can is shipped down over the inner one, the pressure of these two cans opens both holes and permits the feeding of all kinds of buttermilk. No reversing. Easily cleaned and filled. Two sizes

Royal Water Fountains

Same style as Royal No. 303, but made from heavy galvanized iron, double tank construction, of large capacity for grown fowls.

No. 203 — Capacity 3 gallons; shipping weight, 11 lbs., Each $2.00
No. 205 — Capacity 5 gallons; shipping weight, 17 lbs., Each $2.50
No. 208 — Capacity 8 gallons; shipping weight, 17 lbs., Each $3.25

Royal Chick Hooper No. 56

Made of heavy galvanized prime sheets, has cone-shaped bottom to keep feed from clogging. Edges of holes are turned under which makes them smooth. Top easily removed for filling; bottom easily removed for cleaning. Height, 12 inches; diameter, 8 inches; diameter of pan, 13½ inches. 22 feeding holes. Shipping weight, 27 lbs., capacity, 1 peck; each, $1.25.

Moe's Peerless Feeders

The vertical feeder holes make it impossible for the chicks to waste the feed. Thirty chicks can feed at one time. Made in two sizes. No. 192 — Dia. of hase, 12 in. 30 feeder holes. Dia. of ring, 21 in. Total height, 15 in. Cap., 15 qts.; shipping weight, 9 lbs., each $1.60.
No. 193 — Dia. of hase, 12 in.; 30 feeder holes. Dia. of ring, 21½ in. Total height, 18 in. Cap., 18 qts.; wt., 7 lbs.; each $2.10.

Stoneware Milk Chick Feeder

Made of the best quality stoneware, nicely glazed inside and outside; eight holes are provided for feeding buttermilk or sour milk to baby chicks. The capacity of this feeder is one gallon weight, 9 pounds. Price, each, 90c.

Royal Grown-Fowl Feeder

Same style, but much larger than No. 306. Built to feed dry mash, wet mash and green feeds. Hinged wire top which prevents hens from getting into rough and wasting feed.

With Less
No. 36 — Length, 36 in. $3.75 $6.00
No. 40 — Length, 40 in. 4.75 3.25
No. 60 — Length, 60 in. 4.75 3.50

Revolving Wood Reel Troughs

Made from 26-gauge galvanized iron in two lengths. Extra wide and made with wide lip on each side to prevent feed waste. Painted wood revolving reel keeps chicken feed clean.

No. 200 — Length, 24 in.; wt., 2 lbs.; Price each, 45c.
No. 300 — Length, 36 in.; wt., 2½ lbs.; Price each, 60c.

Royal Wire Top Chick Trough

Made from 26-gauge galvanized iron in two lengths, stumped from one piece of metal, with ends doted for strength, no spot welding. Ends cannot get loose or come off trough. Extra wide and made with wide lip on each side to prevent feed waste. This carries a hinged wire grill which can be opened for filling or cleaning.

No. 201 — Length, 24 in.; wt., 2 lbs.; No. 301 — Length, 36 in.; wt., 3 lbs.; No. 401 — Length, 48 in.; wt., 5 lbs.;
ADJUSTABLE WIRE BAR TROUGH

No. 140
Made with and without lip along side in 24-in. length only. No. 140 with lip, 43c each.
ROYAL HINGED TOP TROUGH
Single side, made from heavy galvanized iron in three lengths, to be used in storage brooders or placed at outer edge of brooding compartments for chicks. Has hinged cover.
No. 124—Length 24 in.; Price Each $ .50
No. 136—Length 36 in.; Price Each .75
No. 148—Length 48 in.; Price Each .90

BUTTERMILK FEEDER TROUGHS
Feeding Troughs—made from charcoal tin plate, making them safe for feeding buttermilk. Sliding top. Easy to clean. Smooth joints, rivets or solder. Clean sanitary feeders.
No. 312—Length 12 in.; 16 holes; wt., 1 lb; each... $ .40
No. 318—Length 18 in.; 26 holes, wt., 1 1/2 lbs; each .50
No. 324—Length 24 in.; 34 holes; wt., 1 3/4 lbs; each .60
Royal type of Feed Troughs 312, 318, 324

ROYAL FEED TROUGHS
Extra heavy slide made from best quality prime galvanized sheets; no sharp or rough edges; well-made trough with slide top. Made in three sizes.
No. 312—Length 12 in.; 16 holes; wt., 2-3 lbs; each $ .30
No. 218—Length 18 in.; 26 holes, wt., 1 lb; each.... .40
No. 224—Length 24 in.; 34 holes; wt., 1 1/2 lbs; each .50

ROYAL DRY MASH TROUGHS
Made from heavy galvanized iron with wire stationary frame over top. Can be set on stand or hung on wall. Width, 7 in.; depth in front, 5 in. Depth in rear, 7 in. Length, 36 in.; wt., 7 lbs; each.............$1.70
No. 79—Length, 48 in.; wt., 12 lbs; each............ 2.50

MAMMOTH MASH HOPPER
Large capacity hopper made from heavy galvanized iron of sufficient size to accommodate full hundred pound box of mash. Hopper is larger and wider at the top, provided with slide top which slides on heavy galvanized rolls. Stand is made from heavy galvanized angles and has wooden bars for bowls to rest on. Length of hopper, 36 in.; capacity, 100 pounds.
No. 8—Hopper and stand complete, packed one to crate; shipping weight, 50 pounds, each $11.50.
No. 8—Hopper only, no stand, weight, 32 lbs; each, $8.00.

DRY MASH HOPPERS
No. 81—Width 12 in.; cap. 14 qts.; wt. 6 1/4 lbs.; ea $2.00
No. 82—Width 18 in.; cap. 29 qts.; wt. 8 lbs.; ea. 3.25
No. 83—Width 24 in.; cap. 39 qts.; wt. 9 3/4 lbs.; ea. 2.75
No. 84—Width 36 in.; cap. 45 qts.; wt. 20 lbs.; ea. 4.50

Royal Large Capacity Chick Hoppers
Made from heavy galvanized iron with hinge top. Turned edges on all holes over feeding trough. Most economical of large chicken hoppers on the market.
No. 624—Length 24 in.; 34 holes; wt., 29 lbs; each $2.65
No. 636—Length 36 in.; 34 holes; wt., 35 lbs; each $1.40
No. 648—Length 48 in.; 34 holes; wt., 44 lbs; each 1.20

ROYAL LEADER CHICK HOPPER
Galvanized iron, in two lengths hinge top with adjustable sides, turned edges, feeding holes are placed high to prevent waste.
No. 42—Length 24"; 34 holes, holds 12 qts, shipping wt., 7 lbs. Each. $1.40
No. 63—Length 36", 34 holes, holds 18 qts, shipping wt., 9 lbs. Price, each, $2.00.

NEW ROYAL HOPPERS
Made from 26-gauge galvanized iron are the heaviest on the market and include features as illustrated on the cut, all of which are found on no other hopper. The capacity is much larger and the hopper much better made than any other hopper made. Full length and shipped completely assembled.
No. 342—Length 24 in.; 34 holes; wt. 7 lbs, Each $1.90
No. 363—Length 36 in.; 34 holes; wt. 10 lbs, Each $2.75

MAMMOTH MASH Hopper No. 8-S

GRIT AND SHELL BOXES
Grit, shell and charcoal can not be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.
No. 45—For Baby Chicks, 2 comp., wt. 1 lb, each, $0.50
No. 90—For grown birds, 4 comp., wt. 3 lbs, each, $1.00
No. 90—For grown birds, 4 comp., wt. 4 lbs, each, $1.40

Royal Large Capacity Hoppers
No. 624, 636, 648,
Poultry Foods and Remedies

Prices are not prepaid. If by mail, add postage to your price list. If by hand, bring order to get your name on Our ALFALFA MEAL—In original sacks of 100 lbs. at $1.10; write for prices on quantities.

BARNES WORM EMULSION—Price, Pint, 60c; Quart, $1.00; Gallon, $3.00; 5 Gallons, $15.50; 10 Gal. Bbl., $85.50; 50 Gal. Bbl., $925.00. Charges prepaid in lots of 1 gallon and over. DRIED SUGAR MILK as a poultry feed is fast becoming more popular. Lb., 10c; 25 lbs., $2.25; 50 lbs., $4.00. Write for quantity prices.

FULL-O-PEP FATTENING MASH—Specially prepared fattening food for finishing fowls off for market. 100 lbs., $3.75.

FULL-O-PEP CHICK STARTER—Contains a large quantity of Oatmeal from the very finest oats, as well as Hominy Feed, Wheat Bran, Wheat Middlings, Ground Puffed Wheat, Fish Meal, Cod Liver Meal and other valuable ingredients. 25 lbs., $1.25; 50 lbs., $2.35; 100 lbs., $4.50.

EGG PLUCK OUT ORKS—Delicious food for young chickens and canary birds. 3 lbs., 25c; 25 lbs., $1.00; 100 lbs., market price.

P.-W.'S PIGEON MIXTURE—Combination of Field Peas, Kaffir Corn, Red Wheat, Corn, etc. A good balanced grain ration. 10 lbs., 10c; 25 lbs., $1.00; 100 lbs., $2.50.

P.-W.'S CHICK SCRATCH (Ideal Scratch Food)—Conceded by all users to be the leading balanced ration of pure grains, seeds, etc., on the market today. 4 lbs., 25c; 25 lbs., $1.25; 100 lbs., $2.50.

GROUND OIL CAKE—Price, 1 lb., 10c; 25 lbs., $1.25; 50 lbs., $2.50; 100 lbs., $5.00.

MAMMOTH RUSSIAN SUNFLOWER SEED—Splendid for parrots and puppies. Lb., 25c; 2 lbs., 35c; 100 lbs., market price.

MEAT SCRAPs—We supply standard brands. 3 lbs., 25c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., market price.

W.'S SURE EGG MASH—This splendid well balanced mash is mixed according to latest scientific formula. Order. Prices change rapidly. Write for current poultry prices. Lb., 5c; Quart, 50c; 50 lbs., $1.00.

It contains in proportion all the essential elements for egg production. The unusual merit of P.-W.'s Sure Egg Mash is best evidenced by its extended use since introduction. Bbl., 25 lbs., 95c; 50 lbs., $1.65. Write for quantity prices.

CHARCOAL—Two sizes, Fine and Coarse. Price either size: 3 lbs., 25c; 50 lbs., $1.50; 100 lbs., market price.

ECONOMY HEN FOOD—A balanced scratch ration of pure whole grains. 6 lbs., 25c; 100 lbs., market price.

GROUND BONE—As an egg producer, bone is invaluable. 1 lb., 10c; 50 lbs., $2.00; 100 lbs., market price.

GRANITE Grit—Fine, for small chicks; medium, for half-grown fowls; coarse for turkeys, etc. All sizes the same price. 1 lb., 10c; 50 lbs., 100 cts.; 100 lbs., $1.94.

FLAX SEED MEAL—One tablespoon full in a mash of each dozen fowls, daily is a great help during the moulting season. Price: 1 lb., 20c; 10 lbs., $1.35; 25 lbs., $2.75; 100 lbs., market price.

OSTER SHELL (Crushed)—Most important article of food; always keep fowls liberally supplied. 8 lbs., 25c; 50 lbs., 85c; 100 lbs., $1.90.

UTAH LIME SHELL—Same chemical content as oyster shell; it has proven to be the very economical feed among local users. Price—8 lbs. 25c; 50 lbs., 50c; 100 lbs., 75c.

BUTTERMILK DRIED—Recognized by a poultryman as an essential item in poultry feeding. 25 lbs., $3.00; 50 lbs., 85c; 100 lbs., market price.

PRATT'S BABY CHICK MASH—See page 41. Same price as Full-O-Pep Chick Starter.

COD LIVER OIL—Adult birds should receive two pints per week per 100 birds. Keep oil in tight container and store in dark place. Gallon, $1.75; 5 gallons, $7.50; 30 gallon barrel, $37.50.

EPSOM SALTS—Used extensively as a poultry medicine. Lb., 10c; 10 lbs., 80c; 100 lbs., $7.50.

LEE'S POULTRY REMEDIES

Flu-Koff Emulsion and Vapo Spray

Flu-Koff Emulsion is an internal medicine which is largely liberated through the lungs, has a soothing action on the mucous membrane which allays the cough and reduces the temperature. Vapo Spray is a combination of healing oils which are sprayed in the air of the Hog Sheds or Hen Houses, so that the fowls or pigs are forced to breathe the Vapors. These products also give excellent results in the treatment of colds and Lung Influenza in the early stages. Prices: Flu-Koff Emulsion, 12-oz. bottle, $1.25; 1 pint, $7.00. Vapo Spray, one-half gallon can, $1.25; gallon cans, $2.25; 5 gallon cans, $9.00.

Lee's Egg Maker

is not a tonic nor a medicine, but a meat food of great value. It feeds the young chicks, helps chickens grow, and keep them in a healthy condition. 2 lb. pkg., 50c; 5 lb. pkg., $1.00; 12 lb. pail, $2.26; 25 lb. pail, $4.25. Shipping weight 30 lbs; 100 lb. drum, $15.00.

LEE'S GERMOMONE

For Poultry—Never fails to cure Bowel Complaints, Cholera, Roup, Cold, etc. Don't be without it. Pint bottle, 40c; liquid, 12-oz. bottle, 75c; 32-oz. $1.50; 1 gal., $5.00; gallon, $10.00. We do not ship the liquid by mail. But furnish tablets at 20 tab. box, 25c; 75 for 75c; 200 for $1.50, postpaid, postpaid.

Lee's White Diarrhcea Remedy—The best medicine for this dangerous disease of little chicks. 100 tablets 50c postpaid.

Lee's Lice Killer

Destroys either by vapor or contact. No trouble to apply as it gives off no vapor. Rids poultry and houses of all vermin; is harmless to people. 1 fl. oz. bottle, 25c; 5 fl. oz. bottle, 75c, for this purpose, and there is nothing just as good.

Price: Qt., 60c; ¾ gal., 90c; 1 gal., $1.50. Shipping weight: Quarts, 4 lbs.; ¾ gal., 8 lbs.; gallon, 15 lbs.

Lee's Louse Powder

For direct application to body of fowl. 1/4 lb. can, 30c; mailing weight, 2 ½ pounds, 48c. 50c, mailing weight 4 pounds.

Lee's Gizzard Capsule

FIVE TIMES AS EFFECTIVE AS WORM REMEDIES FOR FEEDING PIGS OR CHICKENS

Why? It is INSOLUBLE and therefore carries through to the gizzard. Here it is ground up, pouring the correct dose in full strength directly into the intestines upon the worms! Furthermore, there can be no absorption of the medicines in crop or stomach to cause sickness, throw off feed or laying. No starving birds to force eating of a cure for last feed. Gets all three kinds of worms.

Two sizes: Adult, for chickens, turkeys, etc., half grown or older. 50 capsule pkg., $1; 100 for $1.75; 500 for $7; 1,000 for $12. Chick size for birds, under grown. 50 capsule pkg., 65c; 100 for $1.60; 250 for $2.50; 500 for $4.50; 1000 for $8.00.
**PRATTS POULTRY PREPARATIONS**

**PRATTS POULTRY REGULATOR**  
(For Health and Eggs)

Has no equal. It is the world's original poultry regulator and has been the standard for over 50 years. Aids dope or stimulant and adds nutritional value; a tonic supplying numerous health necessities, required by heavy laying hens and breeding stock. Tones up the system, regulates bowels, aids digestion, sharpens appetite, ward off disease and increases vitality. Added to any mash it makes more eggs. Use it the year round and make bigger profits for the same money on your feed. 65c, $1.75 packages; 12-lb. bag, $1.75; 25-lb. pall, $3.50; 100-lb. drum, $11.50. Add extra for postage. Packed in cloth bags, 12 lbs., $1.75; 5 lbs., $3.00; 100 lbs., $10.50.

**PRATTS POWDERED LICE KILLER**

A powerful and economical lice killer that quickly rids your fowls of these profitable pests. Use it on the poultry, in the nests and dust boxes, etc. Also used to free horses, cows, sheep, dogs, cats, etc., from lice, fleas and other vermin. Easy, safe and effective to the highest degree.

In sifter top cans at 30c weight 1-lb. and 60c., 2-lb. weight 30c-lbs. Add extra for postage.

**PRATTS POULTRY DISINFECTANT**

Insures poultry health. A cheap, powerful, non-poisonous disinfectant. A gallon makes a barrel of disinfecting solution. Use it freely. Spray it about the poultry houses, roosts, dropping boards, nests and wherever a strong disinfectant is needed. Acts as a deodorizer, germicide, and liquid lice killer. Effective in the treatment of roup, colds and contagious diseases. Pints, 50c; quarts, 75c; half-gallon, $1.55; gallon, 2.25 weight 10-lbs.; 5 gallons, 50c, weight 50 lbs. Add extra for postage if by mail.

**PRATTS R-P REMEDY**  
(Formerly Roop Remedy)

Use it as a treatment or preventive. An easy, powerful remedy with a long record of success in the treatment of colds, roup, diphtheria, catarrh, etc. Keep a box always at hand, guaranteed to give satisfaction. 30c, 60c sizes.

For Adult Fowls

Pratt's R-P Tablets are cheap and safe. They may be given to individual birds or added to drinking water in any kind of vessel. Use one tablet, crushed to each quart of drinking water. Put up in convenient sizes. 30c, and 60c; also 1000 tablets, $3.00.

**HEAD LICE OINTMENT**

Rub a little of this special ointment on the head and under the wings of a rooster, hen, and you will not only avoid losses from head lice but also have stronger and healthier chicks. 30c a tube. Post paid.

**PRATTS GAPE COMPOUND**

Made in two forms, for external or internal use. Equally effective and a safe and quick remedy for capes in chicks. Use it as a preventative and avoid heavy losses from this trouble. Fully guaranteed. 35c and 70c packages. Post paid.

**PRATTS CHICK TABLETS**  
(Formerly Pratts White Diarrhea Remedy)

Use this in the chicks drinking water for the first ten days and you will avoid losses from white diarrhea and like bowel troubles. This is "life insurance," for chicks that will save you dollars. Very easy to use and fully guaranteed. 30c and 60c, postpaid.

**PRATTS N-K TABLETS**

Here's the effective and sure way to quickly rid a fowl of worms. Just one Pratts N-K Tablet does the trick. These tablets contain full doses of nicotine and kaolin, recognized by an authority as the two best poultry vermicides. They are covered with a tough, insoluble coating which is broken by the grit in the gizzard, releasing the fresh potent drugs right in the worm-infested intestines. Pratts N-K Tablets are made in two sizes, one for adult hens and turkeys, another for half grown birds. Adult size, 50 tablets, $1.00; 100 tablets, $1.75; 500 tablets, $7.00; 1000 tablets, $12.00. Chick size—50 tablets, 65c; 100 tablets, $1.00; 500 tablets, $4.50; 1000 tablets, $8.00.

**PRATTS RED MITE SPECIAL**

Is a powerful preparation put up specially to rid flocks of red mites, ticks, lice, and similar pests. It should be sprayed or painted on the roosts, dropping boards, nest boxes, and in all cracks. One application is effective for months. Many times more powerful and effective than ordinary liquid lice killers. Quart, 75c, half gallon, $1.25; gallon, $2.25. Add extra for postage.

**PRATTS Poultry WORM POWDER**

Worms kill thousands of fowls every year. Twice a year wise poultry men use Pratt's Poultry Worm Powder. It rids poultry of round, tape and thread worms, is safe, sure, easy to use and costs only a little over one cent to treat a fowl. Small size pack., 65c; large size, $1.29; 25 lbs., $3.85; 100 lbs. $13.95.

**PRATTS COW TONIC**

An excellent conditioner for Dairy stock. It sharpens the appetite, tones up the blood and increases production. Packages, small size, 6 oz., $1.25; large size, 5 lbs., $11.50.

**PETERS TOE PICK REMEDY**

Has proven to be a most effective cure for "toe pick" rump or wing pick. Convenient sizes, 30c, 50c, and 75c.

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Refer to pages 35 to 40 for Chick Feeds, Feeders, Drink Founts and Remedies. We invite correspondence on all kinds of Grains, Seeds, Feeds, etc., for Poultry and Pet Stock, as prices fluctuate greatly. We handle the following in large quantities and can always give attractive prices: Wheat, Kaffir Corn; Whole and Ground Flats, Rye, Oats, Barley, Bran, White Shorts, Millet, Sunflower Seed and Field Peas. Weight, Quantity and Prompt Service Guaranteed. Phone or write us.
**P.-W.'s BABY CHICKS**

**Blood Tested, Bred From High Grade Stocks, Culled By Experts**

Baby chicks are a great specialty with us. We recommend the raising of our day-old chicks as the most satisfactory way of establishing a new flock of poultry, or of renewing an old flock, for utility purposes. It is really less expensive to buy chicks than to hatch them in small lots, and you are much more certain of having just the number that you want when you want them. You are saved all the bother of operating an incubator or caring for a setting hen, the expense of maintaining male birds which lower the value of the eggs for table use, and the expense of the incubator, or large incubating equipment, and the labor weight of the setting hen.

**Baby Chicks** that we offer are the product of free range flocks, pure bred, of standard type, carefully culled, and selected for their performance as layers. These flocks have been developed and maintained for years especially for the production of our Baby Chicks. They are the very highest quality of flock matings. They have the quality you would get from a Fancier, but you only have to pay reasonable prices for vigorous, healthy chicks with the blood of famous producers in their veins. You could not produce these chicks at twice the cost.

Our hatcheries are conveniently situated to serve the trade throughout the Western territory, and unless otherwise instructed, your orders will be placed with the hatchery which is nearest to you in order to insure prompt and safe deliveries.

We list below the most popular breeds but are in touch with sources of supply of many other strains, so if you do not find what you want in the list below write us, and without doubt, we can supply you.

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Buff Turkeys—In lots of 25 or more, 25c each regardless of quantity.

Bronze Turkeys, 60c February, March and April. 50c May and June.

Terms—All orders must be accompanied by a 25 cent down payment, balance C.O.D. All Turkey and Duck orders must be accompanied by a 50 cent down payment, balance C.O.D. All prices are f.o.b. hatcheries.

Reasonable length of time should be allowed in which to make delivery, orders for 500 or more chicks should be received a month in advance of date you wish delivery, although in many instances surpluses develop in our hatcheries throughout the season so we can generally fill any order.

**PRATTS BUTTERMILK BABY CHICK FEED**

The original "baby food for baby chicks." As a result it is today possible to raise every liveable chick by using this splendid feed for the first three or four weeks of a chick's life. That is the critical period when the use of Pratts Buttermilk Baby Chick Food will more than pay for itself in the extra chicks you save.

Pratts Buttermilk Baby Chick Food is made of the most carefully selected, high grade ingredients skillfully prepared so that it is mechanically predigested. It furnishes everything needed for health, growth and a sturdy foundation. Leg weakness, diarrhea and other chick troubles are unknown when Pratts is used.

Don't waste time, chicks or money on imitations of Pratts. We guarantee it will give complete satisfaction. Price: 5 lbs., $1.25; 10 lbs., $2.50; 25 lbs., $6.25; 50 lbs., $12.50; 100 lbs., $25.00. (See page 38 for Full-O-Pep Chick Starter.)

**PRATTS BUTTERMILK GROWING MASH**

Contains healthful dried buttermilk; growth making oatmeal; ground No. 2 old yellow corn; rich wheat middlings; meat scrap and fish meal that make muscle and frame; and nourishing home and health building wheat bran and sterilized home meal. Every chick is skillfully selected, skillfully prepared and mixed as only Pratts know how. It is guaranteed for quality and uniformity. Analysis—Protein, 17.5%; Fats, 4.5%; Carbohydrates, 56%; Fibre, 7%.

Price: 10 lbs., 50c; 25 lbs., $1.25; 50 lbs., $2.50; 100 lbs., $4.00.

See preceding pages for the full story behind your choice of baby chicks and the results it will bring you.

**LET US HAVE YOUR NAME FOR OUR "POULTRY LIST SPECIALS"**

Special quotations are made at intervals during the year whenever market fluctuations justify. Several hundred of our Poultry Supply Customers are now on this mailing list. Upon request we shall be glad to add your name so that you may receive the benefit of this special information.
PET STOCK DEPARTMENT

P.-W.'s CANARY BIRDS

Every singer we sell is known by us to be a singer. Just mention the amount you wish to pay and leave the selection to us. All birds are graded as to singing qualities and range of notes.

We have at all times a complete showing of domestic and imported canaries, both male and female. We are exceedingly careful at all times to keep nothing but the very highest grade canaries obtainable for distribution and can assure you that any of our birds will give complete satisfaction.

St. Andreasburg Rollers—Our imported St. Andreasburg Roller Canaries, with their soft, pleasing, beautiful bell-note that will thrill and bring happiness to the heart of everyone that hears them, will surely become a real joy in any home.

The prices of these wonderful songsters are from $10.00 to $15.00. Some extra select at $25.00 each. The $25.00 Rollers must be wonderful breeders and trainers. The colors of these birds range from pure yellow to a dark green. We can also supply female imported St. Andreasburg Rollers at $5.00 each.

Hartz Mountain Warblers—The imported Hartz Mountain Triller, or Warbler Canes. The song of these canaries is more loud than the Roller, but beautiful in its variation. A great many like them equally as well as they do the Rollers. The price of these canaries range from $7.50 to $10.00. Extra select for training and breeding purposes at $15.00. Price on approval $2.50.

Domestic Warblers—These birds have a loud song similar to the imported warbler, and are of the same color variations. Our stock are all very good singers. The price for the male birds is $7.50. Extra select at $10.00. Females are priced at $1.50 each.

MISCELLANEOUS BIRDS

We also carry a large stock of fancy birds, including: Bullfinches, Parrots, Macaws. Java Sparrows, Finches, Paroquets or Love Birds, etc.

As the seasons for obtaining the different birds vary, we do not always have all these different kinds in stock, but you will always find at least a variety of different kinds of fancy birds in our cages, including some kinds not listed above.

CARE AND CLEANLINESS

Just a word about how to care for your birds. A bird cannot be expected to keep clean if his cage or aviary is not kept clean. If you use a cage in the house, whenever necessary, give it a washing in cold water; (hot water will remove the lacquer of a brass cage). Give the bird or birds a bath daily in summer and twice a week in winter. Take the bath dish out of the cage as soon as the bath is given. Always keep fresh, clean water in the drinking water containers. Use only water and the very best reconditioned seeds as food. You will always find P.-W.'s Bird seed clean and fresh. We take the bird's health into consideration when offering our bird seed for sale.

Clean the cage thoroughly daily. Be sure to scrape the perches in the cleaning. Keep a liberal supply of gravel in the bottom of the cage or aviary and be sure that the gravel is not dirty or dusty. By all means, at all times, keep your bird out of drafts. Place him in a sunny place whenever possible.

If you want advice concerning your pets, call or write as no doubt we can assist you.

Your correspondence is solicited if you do not find what you want listed here. We carry Baby Alligators, Turtles, and are in touch with breeders of Dogs, Cats, Rabbits, etc. It is our business to get what you want, when you want it.
BRASS CAGES

All cages which we describe as "Brass Cages" are made of solid brass throughout, there is no plated work of any description. The wires and rails are securely fastened together by rivets. This method permits using the Best Spring Wire and results in a cage unequaled by any other on the market for durability and lightness.

All edges are rolled over and the hook fasteners are of practical and improved types. Only the best grade of lacquer obtainable is used to protect the high finish which is given to these cages.

No. 274—Polished Brass. (See cut)—10 in. diameter, height 15½ inches, each, $3.75.

No. 276—Polished Brass. (See cut)—11 in. diameter, height 17½ inches, each, $4.00.

No. 276—Polished Brass. (See cut)—11½ in. dia., height 17½ inches, each, $4.50.

No. 1274—Polished Brass. (See cut)—10 in. diameter, height 13½ inches, each, $3.55.

No. 1275—Polished Brass. (See cut)—11 in. diameter, height 13½ inches, each, $4.45.

No. 1276—Polished Brass. (See cut)—11½ in. diameter, height, 15¼ inches, each, $5.00.

No. 2030—D. B. (See cut)—Diameter 10 inches, height 17½ inches. Body of cage and cups are finished in color. Base, roof rail and top piece are polished brass, finished in 2-tone red, 2-tone black and 2-tone blue, each, $5.50.

No. 2274—(See cut)—Finished in red 2-tone, green 2-tone, blue 2-tone, 10¾ In. Diameter, height 13 in., each, $4.25.

No. 2275—Same style and colors as No. 2274—11 in. dia., height, 13½ in., $4.75.


PYRALIN CAGES

The colors in our Pyralin Cages and Stands are permanent. This material is smooth and hard and has a rich lustre. It may be washed freely in lukewarm water with soap without harm to the finish.

No. 1400—Finished in black and white; orange and black; amber and ivory; blue and ivory; pink and ivory; and all ivory—state colors desired. Diameter of cage 11 inches, height 11 inches. Each, $25.00.

No. 1401—Same style and shape as No. 2030 Brass. Finished in Chinese red and black; green and black; green and ivory; state color combination desired when ordering. Diameter of cage 11 inches, height 19 inches. Each, $35.00.

BREEDING CAGES

With Solid and Wire Partitions, Metal Drawer and Closed Back. Complete with 4 glass cups, 6 perches, & 2 nests.

No. 86S—17½ x 9½ in., height 14 in. Each, $3.50.

No. 86—19½ x 10½ in. height 14½ in. Each, $6.00.

No. 87—22½ x 11½ in. Height 16½ in. Each, $7.75.

PARROT CAGES

No. 29—Finished in 2-tone red, 2-tone green, 2-tone blue, height 65 inches. (Same style as No. 31, See cut). Each, $4.50.

No. 29A—Polished brass, height 65 inches. Same style as cut No. 31. Each, $4.00.

No. 31—Solid steel upright and arch duco finish in colors ivory, bronze, green, cherry and gold. Height 65 inches, style see cut. Each, $3.50.

No. 57—Solid steel upright and arch 65 inches high, finished in Duco colors red and black, green and blue, and gold. (Style cut No. 31). Each, $3.75.

No. 58—Same material, height, style and color combination, as No. 57 but the top is a full circle. Each, $4.25.

No. 3150—Wrought iron, height 67 inches in Duco colors, 2-tone gold and blue, red and black, and green. Each, $3.00.

No. 101—Pyralin, height 65 inches. In colors to match Pyralin cages No. 1400 and 1401. (See cut). Each, $10.50.

No. 102—Pyralin. Same as No. 101 except top is full circle. Each, $6.00.

We carry a very complete line of Pet Stock and supplies. If you do not find what you want listed in this catalog, write, us no doubt we shall be able to supply your requirements.

When ordering Cages if you desire a different style then those shown here, describe what you wish and tell us the price you are to afford. We will secure it for you if possible, and guarantee satisfaction.
**Dog Supplies**

**Note**: Add postage on all sizes if wanted by parcel post. Allow a little extra for weight of packing.

**California Dog Foods** are a prepared food containing all the ingredients necessary to maintain health and vigor in the dog. It does away with the cooking and the mess. If good health in your dog is to be maintained you must feed good, clean, wholesome food.

**Dog Biscuits**

For grown or Large Dogs, feed 1 meal per day. Observation is the only means of telling how many biscuits to feed at one meal. Don’t feed too much. Dogs are not fat when not too fat. The biscuits can be fed dry or moist. If feeding dry keep them with vegetables or pour milk, gravy or soup over them. The dry biscuit keeps the teeth and gums in good condition. Gnawing on them produces the saliva so beneficial to digestion. Keep fresh water and the dogs can drink at will and give plenty of exercise. If any food is left remove.

**Puppy Foods**

Puppy Biscuit Nut Bone — A perfect food for puppies. Puppies should be put on these when about two to three months old and continued until about six months old. (Bulk) $1.90; 2 lbs., $3.50; 5 lbs., $7.50; 10 lbs., $14.50.

**Circles or Ovals** — Mixture oval cakes for puppies and dogs. Ideal pocket size (Bulk) 1 lb., 20c; 5 lbs., $1.00; 10 lbs., $1.50. (Freight)

Pup. 0 — Granulated for puppies, for young puppies, shy feeders or those recovering from sickness. (Bulk) 1 lb., 25c; 5 lbs., 65c; 10 lbs., $1.50; 50 lbs., $13.50.

**Gold Fish and Supplies**

**Gold Fish**

- Small Fish about 2 in. long: each 15c to...
- Medium Size, 2½ to 3 inches long: each, 35c to...
- Large Size, 3½ to 4 in. long: each 60c to...
- Fan Tails, according to size, each, 50c, 75c and...
- Tin Pails, for use when shipping fish, are sold at...
- Fish must travel by express. Pamphlet on Care of Gold Fish FREE with order.

**Aquarium Supplies**

- Fish Food, Imported, Rice Wafer...
- $0.15

**Bag Balm (or Healer)**

This is a splendid remedial agent for the various diseases that attack the udder. Per can 65c each, post-paid.

**Kow-Kare**

The Best and Cheapest Insurance on the Health of your Cows. Price: Large size, $1.25; medium size, 65c; six large cans, $6.25.

**Lee’s Hog Oil Wormer**

Lee’s Hog Wormer has priven in thousands of tests that it will take away and prevent the worms that creep the swine. One quart is 32 doses for pigs weighing from 40 to 75 lbs. Qt. size, $2.25; half gal., $3.75; gal., $7.00.

**Pratt’s Cow Tonic** — See page 39.

**Cattle and Hog Supplies**

- **Blackford’s Calf Meal**

One pound makes a full gallon of pure milk-substitute at less than half the cost of using milk.

Blackford’s Calf Meal raises calves from babyhood, easy to feed, saves both milk and money. Satisfaction guaranteed with every bag. 25 lb. bag, $1.65; 50 lb. bag, $3.15; 100 lb. bag, $6.00.
GRASS SEEDS

Our stocks are critically grown, of highest germination and purity. Prices fluctuate. Write for prices on quantities.

Bromus Inermis (Hungarian Brome Grass) Remarkable drought-resister, not injured by frost. Sow 200 to 400 lbs. per acre. Pound, 52c. postpaid. Not prepaid, 10 lbs., $3.00.

Orchard Grass Furnishes pasture three weeks before any other, and after close grazing a ten days' interval at the rate of 30 pounds per acre. Makes a heavy sod, which remains for years. Sow from 20 to 25 pounds per acre. Pound, 40c. postpaid. Not prepaid, 10 lbs., $3.50.

Johnson Grass This variety is considered a pest in the South, but it is highly valued by stock raisers in this climate on account of its extreme hardiness in unfavorable situations. While it is tender and will not endure cold winters, yet it is a good drought-resister and is a valuable hay grass. Sow at the rate of 30 pounds per acre. Price, lb., 30c. postpaid; 10 lbs., $3.50, not postpaid. Ask for special price on quantities.

Kentucky Blue Grass Remains green from early spring until snow files in the fall. It will do well on almost any land. Sow in the fall or spring, 30 pounds per acre. Pound, 76c. postpaid. Not prepaid, 10 lbs., $6.00.

English or Perennial Rye Grass Produces an abundance of foliage. 30 pounds per acre spring or fall. Pound, 36c. postpaid. Not prepaid, 10 lbs., $2.00; 100 lbs., at market price.

Meadow Fescue (English Blue Grass)— Excellent for hay and pasturage. Succeeds even in poor soil, roots penetrate deep, stands extremely dry weather. Sow in spring or fall at the rate of 30 pounds to the acre. Pound, 46c. postpaid. Not prepaid, 10 lbs., $3.00.

Timothy Of hay grasses Timothy leads all. Succeeds on clay or heavy loams, lowlands or in mountainous districts, where there is an abundance of moisture. Alone. 12 pounds to the acre, or with clover, 10 pounds Timothy and 6 pounds clover. Pound, 25c. postpaid. Not prepaid, 10 lbs., $1.75.

Tall Meadow Oat Grass Out-yields Timothy or Orchard Grass, and affords better grazing, becoming very popular. Sown alone, use 30 pounds to the acre, either spring or fall. Pound, 58c. postpaid. Not prepaid, 10 lbs., $4.00; 100 lbs., at market price.


Sudan Grass Sudan is a tall annual grass, reaching to a height of from seven to nine feet when planted in rows and allowed to mature for a seed crop. The plant is broadcasted and cut "in the bloom" for hay, about four feet. It dies each year. Should not be planted until all danger of frost is past. Plant in rows, thirty-six inches apart, using about two ounces of seed to the acre. For seed to be used for seed, it must be planted in rows eighteen inches apart, using from 4 to 6 pounds per acre. Price, 1 lb., 25c; postpaid; 10 lbs., $1.25, not prepaid.

Crested Wheat Grass This is an excellent dry-land grass but it is entirely different from the Slender Wheat Grass. The seed is much finer and in sowing a pound will cover three times the area. It was brought in from Siberia by the Government Experiment Station. Growers are very enthusiastic about its merits. It is very early, the first to be green in the Spring and the last to dry up in the Fall. For range, pasture and hay it is most highly recommended. It will prove a valuable addition to the meadows and ranges of the West. Price, lb., 60c; 10 lbs., $5.50.

Western Alkali Grass The seed is very fine and in sowing it should be very thin for a permanent crop. Sowing the same done any time from September 1 until spring; broadcast eight to ten times the space of a normal lawn and land dries off and starts to crack. Use "Cycloone" seed. Sowing two pounds per acre for meadow or pasture. It is better to keep stock off in the spring, while plant roots are forming and the ground is soft. When instructions are followed, this grass will grow and produce a large crop, on either white or blac alkali. It will make a fair growth on alkali up to 100 feet above sea level and stand more summer drought than any grass I have ever seen. The third year will be still better than the second. Price: pound, 20c; 5 lbs., 95c.; 10 lbs., $1.00.

Western Wheat Grass (Dryland) This grass is a boon for the cattle and sheepeemen of the West. It grows in very dry, arid sections and produces wonderful forage for cattle and sheep. An acre or Slender Wheat Grass will pasture more sheep than that of any other variety. There is nothing better for sheep pasture in the canyons or in the flats than this variety. Price, lb., 20c; 10 lbs., $1.75; 100 lbs., $15.00.

P.-W.'s Grass and Clover Seed Mixture No. 1—For Meadows and Pastures Our well-balanced mixture is made up of a number of native and acclimated grasses and clovers, blended in such a way as to best suit the climatic and soil conditions found in our intermountain regions. Sow 25 pounds per acre. Pound, 45c. postpaid. Not prepaid, 10 lbs., $3.50; 100 lbs., at market price.

Morton Pasture Mixture (For Upland Irrigated Soils)—This is especially adapted to upland soils where water is available for irrigation. It is made up of Brome Grass, Orchard Fescue, Timothy and Yellow Blossom Sweet Clover. An acre seeded to this combination will take care easily of 4 to 7 dairy cows. Seed required per acre, 20 to 25 lbs. Price, lb., 35c. postpaid. Not prepaid, lb., 25c; 10 lbs., $2.25. Ask for quantity prices.

Western Alkali Grass

SUCCESS WITH WESTERN ALKALI GRASS

Commissioner of Agriculture for Utah,\n
Utah, 1916.

"My information and acquaintance with what is known as "alkali grass" is that I have seen this grass growing on land in Duchesne County which was very wet and heavily saturated with alkali. In fact, the ground carried so much alkali that very little, if any, soil could be seen. Some of this grass, growing within fenced pastures, seemed to be particularly attractive to cattle and I think would make very excellent pasturage. In my opinion this "alkali grass" will undoubtedly be a big asset to the owners of alkali lands within our state."
CLOVER SEEDS

Prices subject to market changes. Ask for quantity prices. Seamless bags extra, at cost. Inoculate All Closers.

**ALFALFA**

**Grimm** This variety is especially recommended for shallow soils or those underlain with hardpan. The claim made for it is that in addition to extreme hardiness it has spreading roots instead of a single tap-root and that it makes underground creeping stems. We offer as follows:

- **"Blue Tag"**—Certified seed, purity 99.50%. Price, 55c per lb., postpaid.
- **"Purple Tag"**—Certified seed, purity 99.50%; removed not more than three generations from stock of introducer. Price, 75c per lb., postpaid.

**Hardy Deseret Alfalfa** This has been especially selected from highland sections of the Mountain States and grown without irrigation, developing a most sturdy type much to be preferred than seed produced under other conditions. Fancy Grade, lb., 35c, postpaid. Not prepaid, 10 lbs., $3.00; 100 lbs., market price.

**ALSIKE CLOVER**

**Alsike** is recommended both for sowing with Timothy and also with the Red and Mammoth Clovers, as well as for a hay crop by itself. It does not winter-kill. The use of Swedish Alsike Clover is increasing rapidly; cattle prefer it to other clovers. It is very fine for honey bees. Sow at the rate of six or eight pounds per acre; sown in mixtures, five or six pounds per acre is sufficient. Lb., 50c, postpaid. Not prepaid, 10 lbs., $4.00; 100 lbs., market price.

**FIELD PEAS**

A wonderful crop for fattening Sheep, Hogs and Cattle and very valuable poultry feed. It is also a splendid soil builder and cover crop for Market Gardeners, Orchardists and Farmers. In this connection an added value is given by the use of inoculators. See page 31.

**Culture**—Sow in March or early April, although a pea-hay crop can be obtained sown as late as in July. Early sowing is best, giving full season for matured crop. When early sowing is made, 30 to 40 pounds of seed 30 pounds per acre is advisable, as the crop does not get too weedy. Inoculate this seed. See page 31.

**Canada Field**—This is a small-seeded, very hardy pea, vigorous, thrifty, growing 5 to 6 feet, very productive. Can't be beat for all purposes. Lb., 20c; postpaid. Not prepaid, 10 lbs., $1.00; 100 lbs., $6.50.

**RED CLOVER**

Medium (Trifolium Pratense)—It is sometimes called June Clover, and is a dependable, all-round variety for farmers and stockmen. It makes two crops each year. Sow either in the spring or fall at the rate of fifteen pounds to the acre. Lb., 30c; postpaid. Not prepaid, 10 lbs., $4.00.

**SWEET CLOVER**—(Bokhara) (Melilotus Alba) White Blossom As a money-maker this has been rightfully named "Alfalfa's Twin Sister." Its value in the redemption of alkaline lands cannot be over-estimated. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere, except in acid soil. Sow at the rate of 10 to 14 pounds per acre. Cover the seed very lightly. Lb., 30c, postpaid. Not prepaid, 10 lbs., $2.25; 100 lbs., market price.

**YELLOW CLOVER** (Melilotus Oenonicus) Same family as White Blossom Sweet Clover but it is not so prolific in growth and flowers are yellow instead of white. For bee pastures we believe it to be equally valuable. Lb., 35c, postpaid. Not prepaid, 10 lbs., $2.75; 100 lbs., market price.

**Mellilotus Indica** has become recognized as the legume best adapted for green manuring, easily plowed under and rich as a fertilizer. Per lb., 20c; 10 lbs., $1.75, postpaid.

**Peas for Cooking**—Write for prices if interested. We carry both the yellow and green. Lb., 20c, postpaid. Not prepaid, 10 lbs., $1.00; 100 lbs., $7.50.

Prices Fluctuate Rapidly. Write for Special Quantity Prices on All Farm Seeds.
P.-W.’s Improved Learning

FIELD CORN FOR ENSILAGE

Of all the crops for ensilage, Corn is the most largely used and without doubt the most profitable. Alive to this situation, we have made Ensilage Corn a specialty and we are now able to offer our customers the most profitable varieties adapted to the climate conditions of various sections of the West.

There is perhaps no crop of more value to the dairy farmer during the hot summer months when the pastures are dry, than a nice green field of fodder corn. Though the varieties of field corn we list can be matured and are profitable as a grain crop, it is our opinion the greater value is secured in most sections of the Rocky Mountain states by feeding the fodder green, or using it for ensilage.

Generally speaking, the seed should be sown in drills 3 feet apart, using 15 to 40 pounds of seed per acre, depending not only on the soil, but also for the purpose for which silage is to be used. Whenever less grain and more bulk is desired more seed may be planted to the acre, giving a greater amount of leaf and stalk less ear corn.

P.-W.’s Silo Corn No. 1 — It is our selection from Improved Learning and will mature its grain in 110 days, under unfavorable conditions; and about 90 days where climate conditions are suitable. You will not regret giving a trial this year.

P.-W.’s Silo Corn No. 2 — This is a shorter growing variety than P.-W.’s Mountain States Silo Corn No. 1, the height ranging from 8 to 12 feet, depending upon soil and other conditions. Consequently the fodder tonnage is less, but it makes up this loss to a large degree in the increase of grain yield. See price.

North Dakota Flint — Excellent White variety, very popular. Small cob, early maturing. Lb., 90c; postpaid. Not prepaid, 10 lbs., 85c; 100 lbs., $6.00.

Reid’s Yellow Dent — Best all around purpose Yellow Dent. Deep yellow, lighter cap; closely packed, slightly rough, grains denoted on top. Leaves and stalks make fine ensilage and fodder. Matures in 110 days.

Any of above except where otherwise noted — Pound 20c, postpaid. Not prepaid, lb., 10c; 10 lbs., 75c; 100 lbs., $5.00.

MISCELLANEOUS FARM SEEDS

BARLEY

Sow 60 to 90 pounds per acre; on dry land 40 to 50 pounds. Prices quoted are not postpaid.

Naked, Bearded or White Hulls — No beard, shell hull-like wheat. 10 lbs., 15c; 100 lbs., $1.00.

Trebi Barley — This variety is a recent introduction in this region. Fast becoming very popular. Yields much heavier, larger kernels than any of the other varieties. Price — 40 lbs., 75c. Write for quantity price.

FETERITA

From 20 to 30 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without having received any rain 100 days after planting until it was harvested. Not postpaid, lb., 15c; 100 lbs., market price.

Is unsurpassed for dry alkali land, on which no better fodder and grain crop grows. Lb., 15c; not postpaid; 100 lbs., at market price.

MILLET

A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre. 10 lbs., $1.50 not postpaid. 100 lbs., at market price.

OATS

Swedish Select — Grain plump, white and very heavy, averaging 40 pounds per bushel. 10 lbs., 50c; not postpaid. 100 lbs., at market price.

Prices On All Farm Seeds Fluctuate Greatly — Write For Quantity Prices.

PEANUTS

Peanuts are a profitable crop. After picking, or threshing, the nuts, the vines make excellent silage. 40 pounds of unshelled peanuts will plant an acre.

Spanish — This variety is the best suited for growing in the North, being earlier. Postpaid — Lb., 40c; 2 lbs., 85c. For larger quantities ask for Special Prices.

RAPE

It may be sown broadcast, either with other fall forage crops or by itself, using one to five pounds of seed per acre. 10 lbs., $1.75 not prepaid; 100 lbs., at market price.

RYE

Sow 60 to 80 pounds per acre; on dry land 40 to 60; on wet soils 60 to 80 lbs. per acre.

Fall or Winter — A good crop for early fall or spring pasture. 10 lbs., 50c, not prepaid; 100 lbs., market price.

Spring Rye — For summer pasture and grain crop. Lb., 15c; 2 lbs., 25c. Postpaid. Write for quantity prices.

SORGUM

Early Amber — Furnished a large yield of nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year.

Australian White Flint

Prices on Spring Rye

Australian White Flint

BARLEY

Sow 60 to 90 pounds per acre; on dry land 40 to 50 pounds. Prices quoted are not postpaid.

Naked, Bearded or White Hulls — No beard, shell hull-like wheat. 10 lbs., 15c; 100 lbs., $1.00.

Trebi Barley — This variety is a recent introduction in this region. Fast becoming very popular. Yields much heavier, larger kernels than any of the other varieties. Price — 40 lbs., 75c. Write for quantity price.

FETERITA

From 20 to 30 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without having received any rain 100 days after planting until it was harvested. Not postpaid, lb., 15c; 100 lbs., market price.

Is unsurpassed for dry alkali land, on which no better fodder and grain crop grows. Lb., 15c; not postpaid; 100 lbs., at market price.

MILLET

A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre. 10 lbs., $1.50 not postpaid. 100 lbs., at market price.

OATS

Swedish Select — Grain plump, white and very heavy, averaging 40 pounds per bushel. 10 lbs., 50c; not postpaid. 100 lbs., at market price.

Prices On All Farm Seeds Fluctuate Greatly — Write For Quantity Prices.

PEANUTS

Peanuts are a profitable crop. After picking, or threshing, the nuts, the vines make excellent silage. 40 pounds of unshelled peanuts will plant an acre.

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Sow 60 to 80 pounds per acre; on dry land 40 to 60; on wet soils 60 to 80 lbs. per acre.

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Spring Rye — For summer pasture and grain crop. Lb., 15c; 2 lbs., 25c. Postpaid. Write for quantity prices.

SORGUM

Early Amber — Furnished a large yield of nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year.
P.-W.'s VEGETABLE SEED SPECIALTIES

On this page and those that immediately follow we list some of the outstanding new or special strains of vegetables of the more recent introductions. Each year we test out at our Centerville Seed Trial Grounds many varieties we gather from all parts of the world. Growing them as we do until maturity and side by side with well known types we are able to compare those of special merit we select the best and pass them on to our customers. Those that we list we can recommend and know that they will be worthwhile. It costs hundreds of dollars annually to maintain these testing grounds, however, it eliminates all guess work and pays handsome dividends in the satisfaction given to our customers. We know that our customers can depend upon the varieties we list to fulfill the letter all recommendations.

New Coreless Nantes Carrot

This new variety is a development from the popular early Half Long Nantes which has been on the market for a number of years. Like the parent stock, it is one of the earliest of the standard sorts and on account of its fine bright color is a very profitable market variety, especially for bunching, presenting a very attractive appearance. It is sweet and fine flavored and entirely without core, very fine grain. As a market garden variety it has proved to be a very valuable acquisition and a money maker, equally valuable for a home garden as an early table sort. Price: pkt., 10c; ¼ lb., 40c; ½ lb., $1.50, postpaid. Not prepaid, 1 lb., $1.40 10 lbs., $12.50.

P.-W.'s New Coreless Nantes Carrot

P.-W.'s New White Wonder Cauliflower

P.-W.'s New White Wonder Cauliflower

This is a new improved strain developed especially for the most critical market garden trade. In fact we believe it to be the last word in early Cauliflowers. The tests last year showed this variety to be about ten days earlier than the Snowball. The heads are especially even, good size, very solid and finely grained; plant is compact, leaves medium size, pure white and does not yellow even when exposed to very bright sunlight. This was especially bred for keeping heads compact and solid even under most unfavorable circumstances. There is little question but what this will become a market garden leader. Price: Pkt., 15c; ¼ oz., 75c; oz., $2.50; the lb., $8.50; lb., $30.00, postpaid.

Five lbs. and over at 10-lb. rates; 25 lbs., and over at 100-lb. rates.

If you want the best seeds of the best strains of Cauliflower yet introduced, something true to name, type and description, and something you can depend upon, send us your order and you will get it. Our seed comes direct to us from Denmark from the world's best specialists, and is equal to any stock offered elsewhere, regardless of price.

P.-W.'s New White Wonder Cauliflower

P.-W.'s N.Y. Lettuce No. 12

This new strain is a single plant selection from the regular New York or Los Angeles Market strain. It has required several years to develop, but it certainly is a great improvement over any existing type of "New York" Lettuce. It is much earlier, makes large solid heads, uniform in maturing and of the flat head type. The last 3 or 4 years it has been in great demand on the Pacific Coast Markets and is grown largely on the coast for eastern distribution. Several fields of this new strain produced better than 80% cut of No. 1 heads inside of 61 days from planting. Without question this new strain will supplant all others when market growers become familiar with its merits. Price: Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $2.90, postpaid. Not prepaid, lb., $3.75; 10 lbs., $25.00.

P.-W.'s N.Y. Lettuce No. 12
P.-W.'s VEGETABLE SEED SPECIALTIES—(Continued)

P.-W.'s Stone Mountain Watermelon

This is the outstanding introduction in the melon family for the last few years. It does not carry more than half the seed of other varieties and rind is tough so it can be shipped to distant markets successfully. It is one of the largest of melons in cultivation and is earlier than many of the older established varieties. Under favorable conditions fruits weigh from 60 to 80 pounds and will ripen in 60 to 95 days from date of planting. The fruits are almost round, being a little longer than wide, and are slightly flattened on the ends with shallow creases which give a slightly ribbed appearance. The exterior is green, faintly marked with irregular, darker veining. The flesh is brightly colored, exceptionally solid, sweet, tender and juicy. As a home garden and market variety this will prove very satisfactory where an extra large, round melon of fine quality is desired. Seed white. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., $1.75. Not prepaid, lb., $1.65; 16 lbs., $15.00.

P.-W.'s Golden Sunshine Sweet Corn

This new introduction is a cross between Golden Bantam and that exceptionally early white corn, Portland Early Market. The Sunshine fills a long felt want for a Golden Bantam type which will come on the market earlier than that variety, to compete with the first early white corns. Sunshine is ready for market a week to ten days before Golden Bantam, in fact will be off the market before that variety is ready. The plant growth is more dwarf and the ears closer to the ground. The ears are the same size as Bantam but 12-rowed instead of 8, of equally good color and with a high quality grain. Sunshine will be a Money Maker for the Enterprising Gardener. Pkt., 10c; lb., 25c; 3 lbs., 75c, prepaid. Not prepaid, lb., 20c; 10 lbs., $1.75; 100 lbs., $16.00.

P.-W.'s Wonderful or Golden Plume Celery

(See Cut)

This new variety is rightly named “Wonderful.” It is a decidedly distinct type, ten to twelve days earlier than Golden Self-Blanching and very much superior in eating quality. Plants are very large in size, short, stout, stocky and full of heart. It blanches easily to a beautiful, clear, creamy white color. Vigorous grower, disease resistant. Plants grown under favorable conditions average about four pounds. It is decidedly a worth-while sort and no Market or Home Gardener should fail giving it a trial. Pkt., 15c; oz., $1.25; 1 lb., $3.50; lb., $10.00, prepaid.

P.-W.'s New Scarlet Globe Radish

This superior strain is the result of individual plant selection. The roots of this variety are slightly olive shaped and are a rich, bright scarlet in color. The flesh is white and tender. The roots are fit to pull very early and remain a long time in prime condition. We specially recommend this to gardeners as a large, early forcing radish. It is also desirable for first early planting outdoors for the home garden and market. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00. Not prepaid, lb., 85c; 10 lbs., $8.00.

Good Seeds are the Foundation of Good Crops. No guess work with our Tested Seeds.

5 lbs. and over at 10-lb. rate; 25 lbs. and over at 100-lb. rate.
P.-W.'s White Sweet Spanish Onion

This new Spanish type of onion is identical in shape and size and habits of growth to the P.-W.'s Sweet Spanish Onion, Valencia type, see page 64. The chief difference being the outer skin of the White Sweet Spanish in pure white while the other is a brownish yellow. Our observation of this onion at our own Trial Grounds, as well as experience of growers in the Salt Lake Valley, would indicate that it requires a slightly longer maturity season than the regular type of Sweet Spanish. It has the advantage of the beautiful white skin which make it a more desirable onion for market. The flavor is unusually sweet and mild. In sections where it can properly be matured it is a good keeper and possesses excellent shipping qualities. The size of the bulb and the yield is just as large as the Yellow Sweet Spanish. Our seed strain has been more critically developed through long selection and we are sure no better seed can be found anywhere at any price. Pkt., 10c; oz., 65c; ½ lb., 2.25; lb., 7.50, postpaid. Not prepaid, lb., $7.40; 10 lbs., $72.50.

P.-W.'s New World's Record Pea

This is an improved type of Gradus, being slightly earlier, more dwarf, true to type and more productive. Height 2 feet. Vines moderately stout, medium green; pods medium green, 1 inch long, fairly broad, pointed and well filled with 7 to 9 very large, dark green peas of exceptional quality. Bound to win a place with every Market Gardener who will give it a trial. Pkt., 10c; lb., 30c; 2 lbs., 55c, postpaid. Not prepaid, lb., 25c; 10 lbs., $1.80; 100 lbs., $16.00.

P.-W.'s Laxton Progress Pea

This remarkable new variety is a true wrinkled sort. Trials show last year that green peas were ready for use three to four days earlier than P.-W.'s Laxton Superb. Vines grow to an average height of 15 inches, heavy dark colored foliage. Pods are large, pointed, very dark green color averaging 4½ inches in length. Peas remain tender and sweet for a long time after being picked from the vines. It has dwarf habit of growth, extreme earliness, attractive deep green color combined with the fact that it is a true wrinkled, large podded corn will, without question, make this a leading market garden type for early use. Pkt., 10c; lb., 35c; 2 lbs., 65c, postpaid. Not prepaid, lb., 30c; 10 lbs., $1.90; 100 lbs., $17.00.

You might buy seeds the equal of ours from other equally painstaking seedmen, but we have gone to a big expense to make sure that you can get none better anywhere than P.-W.'s MOUNTAIN GROWN SEEDS AND TREES. Let us prove that they really "are more vigorous."
Hale's Best Early Muskemelon

This new variety comes from the Imperial Valley in California. It is a melon of decided merit that will fill a long-felt want in long distance shipping because of its earliness. Checking the several tests on this melon, the average period required is 68 days, and some of the tests were made in sections where the season was remarkable for its coldness. It is a salmon flesh melon of exceptional thickness. The shape is oval. Average size is 8 x 4 x 1/2 inches with very heavy netting with fairly prominent ribs. There is no question but what it will be a very valuable market garden variety as it leads the list in earliness among the desirable types of cantaloupes. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., $1.50, postpaid. Not prepaid, lb., $1.40; 10 lbs., $12.50.

Super Perfecto (Pink Tint) Muskemelon

A new type of the Rocky Ford, showing a trace of Burrell's Gem. The seed cavity is triangular and the flesh extremely thick, sweet and spicy. There are two strains, the salmon tint and the pink meat, but we believe the pink to be the better. The melons are almost perfectly round, heavily netted, no ribs, and the shipping qualities are splendid. We think the Perfecto will supersede many of the older shipping varieties. Edible in 90 days. Average size, 6 x 3/4 inches. Weight 3 pounds. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., $1.80, postpaid. Not prepaid, lb., $1.75; 10 lbs., $18.00.

Persian Muskemelon

While not properly a casaba, the Persian is also of tropical origin. It shows no trace of ribs and is completely covered with netting. The shape is oblong, the flesh extremely thick and pink in color. It is a large melon, weighing about 10 pounds. Edible in 102 days. Size 12-10 inches. A good keeper and a good shipper. It should be picked while yet quite solid. Customers should be educated to purchase half a dozen at a time and set them away to be eaten as they become mellow like a Casaha. When properly picked they are ready for the table within six to ten days. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., $2.00, postpaid. Not prepaid, lb., $1.85; 10 lbs., $16.00.

To secure earlier melons use Hot Caps. (See page 25)

P.-W.'s Wonder Bell Pepper

We believe this pepper to be a great find, especially for the market gardener. Its beautiful appearance, regularity in size and shape, make it very desirable for shipping. The plants are of vigorous growth and covered with enormous peppers about 4 inches in length and about 3 1/2 inches in diameter at the top, slightly tapering toward the bottom. Peppers are deep green, turning to brilliant red with very thick flesh of sweet, mild, pleasant flavor. The weight of the average size is approximately 1/5 oz. This variety will prove not only valuable for market, but for the Home Gardener as well. Pkt., 20c; oz., 30c; oz., $1.00; 1/4 lb., $3.00; lb., $10.00 postpaid.

P.-W.'s Longfellow Cucumber

To supply an ever increasing demand for a cucumber which, when grown out of doors, would have the slender, dark-green appearance of a hothouse product, we present the "Longfellow." This variety, unlike most other sorts, succeeds equally well in the garden or the greenhouse. The Longfellow is a White Spine type with an admixture of Emerald Blood, from which it gets its intense dark-green appearance. The vines are exceptionally healthy and productive and fairly early. The fruits will average 12 to 14 inches in length by 2 1/2 inches in diameter and are very symmetrical. The color is all that could be desired and this variety will retain its dark-green color shipped to distant markets. An ideal type for the private garden or as a "straight pack" variety for shipment, boxed to high grade markets. Pkt., 10c; oz., 20c; 1/4 lb., 65c; lb., $2.00, Not prepaid, lb., $1.85; 10 lbs., $17.50.

P.-W.'s Longfellow Cucumber

In January and February, if possible, before the Spring rush begins. March and April are our busy months and our full force works almost day and night under high speed. We allow 5% discount for the privilege of filling your order BEFORE MARCH 1. On all orders from this catalog reaching us during January and February, this discount will apply, thereafter no deductions allowable.
ASPARAGUS

Sow early in the spring, in a bed of light, rich, well manured soil, in drills one foot apart. When the plants become withered, cut them down and spread well rotted stable manure two inches deep over the bed. Let the plants remain in the seed bed until they are about to grow, early in the spring.

For private garden use, set in rows two feet apart and the plants about a foot apart in the row. With crowns of four inches below the surface, and spread the roots. For field culture, the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure and fork it in the next spring, being careful not to injure the roots. In autumn cut the ripe tops and burn the refuse. One pound of good fresh seed will produce plants sufficient for an acre, and an ounce of seed will sow a fifty-foot drill.

Conover's Colossal—The standard variety for all purposes. Large, thick, wide, tender shoots of very greenish-white color.

Barr Mammoth—Large and tender.
Palmeto—Light green
P.-W's Early Giant Argenteum—Special strain of this famous Parisian Asparagus. Grows to a large size, free from rust, superb flavor. Locally a favorite for canning.

Any of above—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 75c, prepaid.

Washington Rust Resistant—Most uniform in type; blight and rust resistant; large and excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50, prepaid.

Not prepaid, lb., $1.40; 10 lbs., $12.50.

New Mary Washington—This is a new development from the Washington rust resistant variety. It comes into market earlier and has all the rust resistant qualities of the old type. The advantage of earliness is, of course, a very great one for all market growers. The shoots are large, excellent quality, deep rich green color with a trifle purple tint at the tips. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75, prepaid.

Not prepaid, lb., $1.65; 10 lbs., $15.00.

Asparagus Roots

Strong one year-old roots of any of the varieties listed above, 30c per doz.; $1.50 per 100, prepaid. Not prepaid $1.00 per 100; $5.00 per 1000.

Two-year-old roots—50c per doz.; $2.75 per 100, prepaid. Not prepaid $1.75 per 100; $12.00 per 1000.

CHIVES—Allium Schoenoprasum

An onion-like plant used as a salad and for flavoring soups. Also, the plant makes an excellent ornamental garden bed edging which may be frequently cut, a new growth of leaves appearing soon after each cutting. One sowing will answer for about three years. Pkt., 10c; ¼ oz., 25c; oz., 85c. Plants: 25c per bunch; two for 45c, prepaid. Not prepaid, 90c each; $2.00 per dozen.

ARTICHOKE

Artichokes are cultivated for the edible bud that resembles the giant thistle. The plants want a very rich soil and plenty of moisture. The seed should be planted in boxes in February and transplanted in the field about the latter part of March or April. With slight winter protection they will remain in bearing three or four years.

Large Green Globe—The most popular variety, buds large, globular, deep green, with a slight tint of purple at base. Pkt., 10c; oz., 10c; ¼ lb., 1.85; lb., $5.00, prepaid.

Jerusalem (Tuberous Rooted)—For hog pasture. When once established it is hard to kill out. Pkt., 25c; 10 lbs., $1.50, prepaid. Not prepaid, 100 lbs., $10.00.

Brussels Sprouts

The plants are very hardy and grow from two to three feet high, bearing a large number of sprouts at the sides of the main stem are covered with three or four dozen small cabbage heads which are broken off and cooked the same as cabbage, which see for cultural directions.

Imported Long Island Dwarf—Produces an abundant crop of firm, well formed sprouts, thickly set around. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $2.50, prepaid.

Broccoli

Italian Green Sprouting—A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small leafy heads, two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious. Pkt., 20c; oz., 70c; ¼ lb., $2.50.

Chicory

Sow seed the same as for late cabbage plants. The crop of green may be transplanted and set a foot apart in the rows. Best after being touched by frost. One ounce will produce about 3,000 plants.

Large Rooted Magdeburg—Pkt., 10c; oz., 30c; ½ lb., 90c; lb., $5.75, prepaid.

Collards

Sow seeds as early in the spring as the ground can be prepared in a rather tight, moderately rich soil. In drills two or two and one-half feet apart, for either garden or field culture. When plants are sufficiently large, thin to six inches apart in the row. Cultivate well and in the fall dig the roots, slice them and dry in an apple evaporator or kiln constructed for the purpose.

Creole or Southern—Cabbage, Greens, used as a substitute for cabbage in the south. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.00, prepaid.

Corn Salad

Sow in spring in drills a foot apart, it will mature in six or eight weeks. For winter and early spring use, sow in drills in August or September. Three ounces to 100 feet of drill. Large seeded.
STRINGLESS BEANS

Most people concede there is very little difference either in flavor or tenderness between the wax-podded and the green-podded types. Precisely the same culture should be given to each. In both classes there are round and stringless varieties. It is thought the round are a little more brittle and the flat are better yields.

Culture—Beans are somewhat tender, but it often pays to take some risks. Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until August. Rows may be made 5 feet apart, and the beans planted a few inches apart in the drills, or 3 or 4 beans in hills, 6 to 8 inches apart. If the ground is dry and irrigation necessary to sprout the beans, irrigate the ground first, planting the seed as soon as the ground is dry enough to prepare for the seed. Beans require very little water. After each irrigation or rain mulch the soil as soon as it is in good working condition. This will conserve the moisture and require less water. Cultivate frequently and shallow; but never when the vines are wet. One pound will sow 100 feet of drill, 60 lbs. per acre.

IT IS NOT GENERALLY KNOWN THAT—

When your hush varieties of string beans have borne a crop don’t pull them up but as soon as you have finished the last picking, cut the bush off about six inches above the ground. A new growth will appear and in a remarkable short time bear another crop of beans. The same is true of Fordhook Limas.

Green Podded Beans

The green podded beans are by far more popular, and much more universally grown than the wax varieties. Burpee’s Stringless Green Pod is the popular favorite wherever grown and used. As a home garden variety it is in a class by itself, but it is too tender for shipping any distance, and rather light colored for canning. It is medium early and quite productive. Giant Stringless Green Pod is a larger type of Burpee’s Stringless Green Pod, hush and pods larger and a deeper green, more productive and a few days later. A decided favorite with the market gardener on account of its large pods and heavy yields. The yield of beans can be greatly increased by seed inoculation. See page 52 for prices.

Beautiful—The pods are very long, six to seven inches, straight, broad flat, light green, or handsome appearance and absolutely stringless for snaps. They are tender and brittle, much longer than most sorts. The pods are longer, broader and have much longer tips than those of Long Yellow Six Weeks. Seed medium sized, kidney shaped, light yellow and brownish circle about eye. Bountiful is most desirable early sort for snaps for the home garden.

Full Measure (Bush Kentucky Wonder) — A round Green Pod with, and on account of quality and productiveness is growing in popularity each year.

Giant Stringless Green Pod—An Immense

Price—Any of above varieties, Pkt., 10c; $0.5 lb., 30c; 1 lb., 35c; 3 lbs., $1.00, postpaid.

Not prepaid, 10 lbs., $2.00; 50 lbs., $17.00.

Wax Podded Beans

New Penell Pod—This variety is our selection as the best for the home garden or for near-by markets. It is extremely productive, bearing magnificent, straight, pen- 2.00; 100 lbs., $17.00.

Prolific Dwarf Black Wax—The pods are quite round, very fleshy, crisp, tender and stringless. A good market sort, being a prodigious yeilder.

White Kidney Wax—Hardy, productive; pods are large, nearly straight, broad, flat, very fleshy; good snap bean.

Improved Rust-Proof Golden Wax—Early, productive; pods are large, nearly straight, broad, flat, very fleshy; good snap bean.

Price—Any of above varieties, Pkt., 10c; $0.5 lb., 30c; 1 lb., 35c; 3 lbs., $1.00, postpaid.

Not prepaid, 10 lbs., $2.00; 50 lbs., $17.00.

ORDER EARLY

In January and February, if possible, before the Spring rush begins. March and April are our busy months and our full force works day and night under top pressure. We allow you 5% discount for the privilege of filling your order BEFORE MARCH 1.
POLE AND RUNNING BEANS

These beans require a pole or trellis to climb on, if planted in the garden, although if raised in the open field they need no support whatever. Set poles four feet apart each way and plant four to six beans about an inch apart. Thin out to three plants to a hill, if soil is rich. Pinch off ends of plants when they overrun poles, to get more perfect growth below. One pound will plant about 75 to 100 hills.

Kentucky Wonder or Homestead—The pods are very thick, meaty and deeply saddle-backed and entirely stringless. Bright yellow in color. The best variety of this class for all purposes. Pkt., 10c; ½ lb., 20c; lb., 35c, prepaid. Not prepaid, 10 lbs., $2.25; 100 lbs., $20.00.

Lazy Wife—Pods medium dark green color, grown in abundance; measures from 4 ½ to 6 inches in length, broad, thick, fleshy and entirely stringless. Make excellent shell beans. Pkt., 10c; ½ lb., 20c; lb., 35c, prepaid. Not prepaid, 10 lbs., $2.25; 100 lbs., $20.00.

DWARF LIMA BEANS

We recommend the Dwarf or Bush type as being much more desirable than the Pole Limas. They are of easier culture as the vines grow much lower, the pods are merely equal in quality and maturing much earlier: a very decided advantage, especially for the Mountain States. Plant the seed, if possible, in rich light soil after all danger of frost is over. For kitchen garden the rows should be about 18 inches apart and for field cultivation two or three feet; drop the seed 3 to 4 inches apart in the row covering 1 ½ to 2 inches deep; to six beans in a hill. Limas will not thrive in over moist soils. Of the great number of varieties tested out we have selected two which we think best adapted.

Fordhook Bush Lima—The highest quality Bush Lima Bean is the old "Potato" or "Kummerlie" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerlie" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; ½ lb., 25c; lb., 40c, prepaid. Not prepaid, 10 lbs., $3.00; 100 lbs., $27.50.

Burpee's Improved Bush Lima—Our trials show this to be the earliest maturing of all the large-seeded Limas, and it is the equal or better in all the other qualifications that go to make up a desirable bean, either for the home garden or for market. This variety is decidedly best for all purposes of the Large Limas. Pkt., 10c; ½ lb., 25c; lb., 40c, prepaid. Not prepaid, 10 lbs., $3.00; 100 lbs., $27.50.

Henderson's Bush (or Dwarf Sieva)—This variety is sometimes known as "Butter Bean." It is one of the earliest dwarf sorts, extremely hardy and productive. The plants grow without runners and continue to grow and set pods until killed by frost in the fall. Pkt., 10c; ½ lb., 25c; lb., 40c, prepaid. Not prepaid, 10 lbs., $3.00; 100 lbs., $27.50.

SHELL BEANS

All of the sorts we list under this division are grown exclusively to use as shell beans for winter use. They are grown extensively as a field crop. For horse cultivation they should be sown in rows three to four feet apart, dropping about three seeds to the hill, one foot apart in the row. Bean drills are used on large acreages. The quantity per acre varies with the sort and soil condition all the way from 10 lbs. to 40 lbs. per acre. For dry situations by all means use the American Pink Eye but where water is plentiful and you are growing for market, the White Navy is the best known commercially. The Pink Eye is a splendid variety for home use.

Great Northern.—Very popular white shell bean, similar to White Navy being a little more elongated and a trifle larger. Pkt., 10c; lb., 15c, prepaid. Not prepaid, 10 lbs., $1.00; 100 lbs., $7.50.

Pink Eye.—Large white shell bean, white with pink spot at center. Pkt., 10c; lb., 25c, prepaid. Not prepaid, 10 lbs., $1.75; 100 lbs., $15.00.

White Navy.—The well known small white Boston bean. Pkt., 10c; lb., 20c, prepaid. Not prepaid, 10 lbs., $1.00; 100 lbs., $7.50.

English or Broad Windsor.—In modern size; known as the horse bean. Pkt., 10c; lb., 35c, prepaid. Not prepaid, 10 lbs., $3.00.

Mexican Red.—Valuable red shell bean in demand for making "Chilli." Pkt., 10c; lb., 20c, prepaid. Not prepaid, 10 lbs., $1.00; 100 lbs., $7.50.

As prices fluctuate greatly on all Shell Beans, write for quantity prices. Five lbs., and over take the 10-lb. rate, 25 lbs., and over, at 100-lb. rate.

Inoculate Beans. Helps make a bigger crop and improves the soil. See page 31.
TABLE BEETS

One Ounce 50 Feet; 4-6 Lbs. Per Acre

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked. thin to five or six inches. The young plants that pulled out make delicious "greens," considered by many superior even to spinach. It is a common practice to plant the seed for succession at least once a month up to the first of July, then making a large sowing to produce well grown roots for winter use.

After repeated comparative tests we recommend P.-W.'s Early Wonder as the best first early for market gardeners. For all purposes and general planting the Detroit Dark Red is still the leader.

Detroit Dark Red Extended experience has shown this variety to be the best deep red turnip beet. Tops small, upright growing, so that the rows may be close together; leaves, stems and vines dark red, bladed green; roots globular or ovoid, peculiarly smooth; color of skin dark blood red, flesh bright red zoned with a lighter shade. When removed, the leaves remain dark red. It is fine flavored, remaining tender and crisp for a long period. For a first early type it is unequalled either for home use or market garden. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 85c; 10 lbs., $7.50.

Early Wonder Beet This comparatively new introduction is the earliest of the table varieties. It is globe shape and very uniform in size, skin smooth, flesh a deep blood red, making it especially desirable for pickling and canning. The tops are small and deep colored. It is fine flavored, remaining tender and crisp for a long period. For a first early type it is unequalled either for home use or market garden. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 95c, postpaid. Not prepaid, lb., 85c; 10 lbs., $7.50.

P.-W.'s Dark Leaved Globe Leaves are deep green, stems and veins of the darkest red. The roots are uniformly globular, possessing a deep blood red smooth skin, flesh rich dark red zoned with a lighter shade, very sweet, crisp and tender. Price: pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00

The Leading Market Variety To Date "It Beets 'All"

Crosby Egyptian—Very Early Globe shaped.
Extra Early Egyptian—Popular early forcing or market.
Eclipse—Almost as early as the Egyptian, finer quality.
Improved Blood Turnip—Very regular, deep blood red.
Any of above, except where noted—Pkt., 5c; oz., 10c; ¼ lb., 50c; lb., 90c, postpaid. Not prepaid, lb., 85c; 10 lbs., $7.50.

SWISS CHARD (Spinach Beet)
(The City Man's Garden)—This vegetable gives maximum returns for minimum space. Sow early in spring, in rows sixteen inches apart, and thin out to six inches apart in the rows. It can be used all summer when spinach is not available.
Lucullus Swiss Chard—A new moss curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. The leaves are very large and tender and may be cut continuously from June until frost; cooked and eaten the same as spinach. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25. Not prepaid, 10 lbs., $10.00.

Outline Chart Illustrating Beet Types and Their Relation to the Ground Line
BEETS—For Stock Feeding

The tremendous importance of stock beets to every stock and dairy farmer in America should be shouted from the housetops. The farmer who is not awake to the money-making possibilities of this crop has overlooked one of the most profitable crops known to agriculture. Just think of it: A yield of from 20 to 60 tons per acre and the feeding value, pound for pound, almost equal to grain; considering only figured, just the average yield, therefore, would be the equivalent to a 1,000 bushel yield of oats, as far as feed value is concerned.

CULTURE—Sow seed in drills 24 to 30 inches apart and thin to about nine inches in row. Requires 8 to 10 pounds of seed per acre.

P.-W.'s Giant Sludstrup Wonderful yielder, grows cylindrical in shape and large, out of the ground, easily harvested. Crops as high as fifty tons to the acre are not unusual. Color of skin is rich yellow above the ground and light rose tint underneath.

Giant Half-Sugar White Mangel—This half-sugar beet supplies a food of very much higher nutritive value for feeding purposes, pound for pound, than sugar beet, and the yield is more than double. Early harvested.

Royal Giant or Half-Sugar Rose—Similar to the Giant Sugar, except color of skin.

Any of the above, Pkt., 5c; ¼ lb., 20c; 1 lb., 50c, postpaid.
Not prepaid, lb., 45c; 10 lbs., $4.00; 100 lbs., $35.00

STOCK CARROTS

Sow in drills far enough apart for horse cultivator and thin out in row to 5 to 6 inches. Requires about three pounds of seed per acre. We consider the Improved Short White the best Stock Carrot, all things considered. If a yellow carrot is wanted Improved Long Orange will give good returns.

Improved Mammoth Long Red Mangel The extra large, long roots are blood red in color and very nutritious. Enormously productive, yielding, under favorable conditions, as high as 70 tons per acre.

Golden Tankard—Flesh yellow, differing from others; sheep prefer it; a heavy yielder.

Danish Red Giant Eckendorfer—Of cylindrical form growing above the surface; heavy cropper.

SUGAR BEETS

Klein Wanzleben—This variety is the best in cultivation, not largest, but richest in saccharine.

Improved Mammoth Long Orange A well-known standard sort, roots long, thickest near the crown, tapering regularly to a point; color deep orange. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 85c. Not prepaid, lb., 75c; 10 lbs., $7.00.

Stock and best carrots for both home and market. It matures in 68 days. It is a half long, stump rooted sort, almost identical in shape with the old Chantenay. It is a heavier cropper than Danvers Half Long. The root is smooth, uniform and handsome. It shows red all the way through without any yellow core whatsoever. This makes it additionally attractive for salad and cooking purposes. The flesh is sweet and tender and never becomes stringy. Price: Pkt., 5c; oz., 15c; ½ lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00.

Chantenay (The Market Gardener's Favorite.) Tops are medium sized, necks small, roots tapering slightly, but uniformly stump-rooted and smooth color, deep orange-red flesh, very crisp and tender; heavy crop—undoubtedly one of the best standard sorts for both the market and private garden. It is also desirable as a field sort. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., $1.00, postpaid. Not prepaid, lb., 85c; 10 lbs., $7.00.

Danvers Half Long An old, popular variety and in the past the most largely used, not only for stock raising, but for table use as well. Color is a bright orange scarlet; it is very heavy cropper. Pkt., 5c; oz., 10c; ½ lb., 20c; lb., 90c, postpaid. Not prepaid, lb., 75c; 10 lbs., $7.00.

Oxheart (Guernard)—Very distinct and desirable, smooth and handsome, thick and blunt-rooted, about 6 inches long, a rapid grower and of fine quality; color, orange-red; a good all-season carrot. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid. Not prepaid, lb., 65c; 10 lbs., $6.00.

P.-W.'s Coreless Chantenay—see novelties.

Early Scarlet Horn—Deep red flesh, tender and delicate. Pkt., 5c; oz., 15c; ½ lb., 45c; lb., $1.50, postpaid. Not postpaid, lb., 90c; 10 lbs., $8.50.

Improved Mammoth Long Orange—Roots average about 6 inches in length, smooth orange color flesh yellow center, very tender of finest quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., $1.00, postpaid. Not prepaid, lb., 90c; 10 lbs., $8.50.

TABLE CARROTS

Sow at any time in spring in deep, loose, soil, preferably sandy loam, about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. One ounce 150 feet of row, 4-6 lbs. per acre.
CAULIFLOWER

P.-W.'s PERFECTION (Improved Snowball)—We obtained this grand new strain from a Danish specialist. Our tests show it to be the peer of all yet developed. It is adapted for either early or late fall use. It possesses all the good qualities of the best Early Snowball strains. The leaves are longer than the Snowball varieties, and unfold closely over the heads, giving a particularly attractive appearance when displayed for sale. The inner leaves almost cover the snow-white heads, bleaching them nicely, thus avoiding the necessity of early tying of the leaves, as is necessary with other early sorts. Another noted trait of distinction is its uniformity in maturing, enabling the grower to harvest practically all of the crop at one cutting. Its sure heading characteristics are remarkable and superior to any other strain that has come under our observation. It produces beautiful snow-white, compact, solid heads uniformly of good size and excellent quality. Pkt., 10c; ¼ oz., 75c; oz., $2.25; ½ lb., $8.00; lb., $28.00.

P.-W.'s DANISH GIANT (Dry Weather Cauliflower) It is very similar in growth, size and other characteristics to the Early Snowball. Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce large, solid heads. In some climates, where heretofore it has been impossible to grow good cauliflower, this fine variety has proven a success. It is ready for market or table about a week later than Extra Early Erfurt. Pkt., 10c; ¼ oz., 65c; oz., $2.00; ¼ lb., $7.00; lb., $25.00.

Early Snowball—The well known stand by which it has been so long a favorite of home and market gardeners, it is just as good as ever. Suitable for either early or late planting. Under favorable conditions nearly every plant will make a fine, solid head of good size. Pkt., 10c; ¼ oz., 75c; oz., $2.25.

P.-W.'s NEW WHITE WONDER—(See Novelties)

CAULIFLOWER PLANTS

Strong, well-hardened transplanted plants of Early Snowball and P.-W.'s Perfection will be ready in April and May. Price, 35c per dozen; $1.75 per 100, postpaid. Not prepaid, $1.00 per 100; $8.50 per 1000.

CULTURE

Plant the seed in beds in May for fall crop, and transplant to garden or field the latter part of July. For early summer crop, plant the seed in hotbeds in January or early February and the plants will be ready for the field as soon as danger of frost is over. In transplanting plants should be thinned, since they become very spindly if allowed to grow too thick. Transplant to the field in two feet apart each way. If they are hardened before setting in the field and the growth is not checked, they will head well. One ounce of seed produces 2000 to 2500 plants. It requires about 10,000 plants for an acre.

PE- TSAI" CHINESE CABBAGE

The wonderful green for poultry from China which has been known to yield three tons in a space 40x60 feet. You can't beat this for Cheap Green Feed. A half pound Chinese Cabbage Seed will furnish enough greens to feed about 1000 hens for 4 months and 3 pounds to an acre for 6,000 hens for 4 months. The cultivation is similar to that for winter cabbage, spinach or lettuce. Sow seed any time through the year in rows 1/2 inch deep and 24 inches apart, allowing about 2 inches between the seeds. Cultivated and irrigate ground well. Do not allow ground to dry out. It produces 5 to 7-pound heads in sixty days. It has large outside leaves with a yellow striped color and the inside leaves grow round, more like the Cos-lettuce. The heart is pure white, tender, sweet, and crisp. The young heads are popular for use in salads. It is hardy and will keep until early spring if placed in the cellar. The tender leaves make it a desirable plant for poultry greens; cheaper and much more desirable than alfalfa. Try it for your hens. One ounce will sow 100 feet of row. Pkt., 10c; oz., 50c; ¼ lb., 75c; lb., $3.50, postpaid. Not prepaid, 10 lbs., $30.00.
CABBAGE FOR ALL SEASONS

As with all other seeds, our selection of cabbage stocks are positively from the best sources of supply, and the best strains obtainable, as proven by our own test:

Culture—Cabbage does best in rich, moist, well prepared soil; extra care should be taken in working it deeply as most varieties of cabbage do not thrive in shallow soils. For the early varieties in the mountain states and similar climatic conditions sow in hotbeds in the late winter or very early in spring and transplant to the open ground as soon as the danger of frost is over. Don't neglect to "harden the plants off" before transplanting and see to it that they are not so thick in the beds as to make them spindly. In transplanting to the open ground set in rows 18 to 24 inches apart and 12 to 18 inches between plants in the row. For field cultivation three feet between rows would be better. The fall and winter varieties can be handled in the same way or if the seed is in good condition an easier and equally successful method is to sow the seed in hills or with a regular garden drill in the open ground using about one pound of seed per acre; when plants are out of the ground thin out to proper distances in the row. One ounce 1500 plants; half-pound to transplant an acre.

About pests—if bothered with cabbage worms, use arsenate of lead and for cabbage house or aphids, Black Leaf 49 is effective.

Vitamines In Cabbage Increase Consumption—Recent investigations have shown cabbage to be rich in vitamins and as a result of a national campaign to promote the eating of cabbage, cabbage sales are increasing by leaps and bounds. It has been proven that cabbage is a great aid to digestion and people are demanding cabbage as never before.

"P.-W.'s Golden Acre"

**Copenhagen Market**

We offered this for the first time in 1913 and it certainly has more than fulfilled our expectations. Repeated comparative tests show it to be as sure a header and as early as the famous old Early Jersey Wakefield. Market gardeners here are delighted with it. The plants are short stemmed, producing heads almost on the ground; uniformly large, round, solid and of excellent quality. The large green leaves are medium in size, saucer shaped and are always tightly folded; the plants may, therefore, be set closer than most other early varieties. It is a vigorous grower and yielder, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator. (See cut). Pkt., 10c; oz., 30c; ¼ lb., 50c; ½ lb., $1.25; lb., $1.50, postpaid.

**Danish Ball Head (or Hollander (P.-W.'s Short Stemmed Strain)** This selected stock is the most popular of all late varieties for winter use. Genuine seed grown on Amager Island, Denmark. Market trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. It is sure to head, being round, hard and extremely heavy, though not extra large. It can be grown in close quarters on account of its compact habit, and as to its keeping qualities, it comes out of the pit in March or April as fresh as when put in, with absolutely no waste. No cabbage has attained so great a popularity as the true strain of P.-W.'s Short Stemmed Danish Ball Head, without doubt the leading fall and winter cabbage. Pkt., 10c; oz., 30c; ¼ lb., 50c; ½ lb., 75c; lb., $1.50, postpaid. Not postpaid, lb., $2.25; 10 lbs., $24.00.

**P.-W.'s Early Jersey Wakefield** We assure our market gardeners and customers that our strain of Jersey Wakefield meets the requirements in points of earliness and even head, so that the entire crop can be marketed at a profit. It grows very compact with nearly oval, deep green leaves. Shaped, of medium size, very solid, pointed heads of excellent quality. Undoubtedly the best extra early pointed headed cabbage, either for home or market. Pkt., 10c; oz., 25c; ¼ lb., 50c; ½ lb., 75c; lb., $1.50, postpaid. Not postpaid, lb., $2.40; 10 lbs., $20.00.

**Glory of Enkhuizen** An early, globe shape, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Originator's stock. Pkt., 10c; ¼ oz., 50c; oz., 15c; ¼ lb., 50c; lb., $5.00.

**OTHER GOOD VARIETIES**

**Fall and Winter Varieties—**

**Danish Round Head—** Pkt., 10c; oz., 2½ oz., $0.65; ½ lb., $1.50; lb., $2.50, postpaid.

**Premium Late Flat Dutch—** Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

**Mammoth Red Rock—** Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50; 10 oz., $3.75.

**Marvin's Savoy, crumpled leaf—** Pkt., 10c; oz., 30c; ¼ lb., 1.00; lb., $3.00.

**Extra Early Pointed Heads—**

**Charleston Wakefield—** This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with growers; it does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $2.50, postpaid.

**Early Winnigstadt—** Sure to head regular, conical shape, very hardy, a good keeper. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75, postpaid.

**CABBAGE PLANTS**

Strong, vigorous, well hardened transplanted plants of P.-W.'s Early Jersey Wakefield, P.-W.'s Baby Head, Danish Ball Head, (short-stemmed) and Copenhagen Market. They are ready in April and May. 1000 doz.; $1.50 per 100, postpaid. Not postpaid, $1.00 per 100; $7.50 per 1000. Ask for quantity prices on field grown not transplanted plants for May and June delivery.

**Five Pounds and Over Furnished at 10-lb. Rate.**
CELERY

For early summer celery sow seeds of the self-blanching sort in flats under glass during latter part of February or early March. In May to June 15th, and the plants in very rich and well prepared land, six inches apart in the rows, three to four feet apart, Cultivate thoroughly and blanch out by boards set up against rows. For summer the self-blanching celery start seed in flats as for early, or directly into open ground. Make the rows for plants one foot apart, sow seed shallow and firm well. The rows should be four or five feet apart. Water thoroughly, earth up grassy union in a line one inches of tips of leaves. For winter take up plants with roots, place upright on wet soil in a dark cellar or root house, and pack closely. One ounce will produce from 5,000 to 10,000 plants.

P.-W.'s Improved Golden Crisp

The far-famed Utah Celery—so much in demand. This strain was originally developed by the Chinese gardeners. Its super-productive qualities add them exclusive control of the celery market while their supply lasted. We have finally succeeded in getting a reliable source of supply for the seed of this much-sought after variety. It is much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful creamy color. The ribs perfectly solid, crisp and of a de-licious nutty flavor. Once sown, always grown. Pkt., .5 oz., $1.25; ½ lb., $2.25; lb., 7.00, postpaid.

True Waterloo seed of P.-W.'s Improved Golden Crisp limited quantities only ¼ oz., $1.00; oz., $3.50.

Golden Plume or Wonderful—Novelty see page 48. Pkt., .5 oz., $1.25; ⅛ lb., $3.50; lb., $10.00, postpaid.

Golden Self Blanching—Of quick growth, easy self-blanching character, combined with handsome appearance and crisp, sweet flavor. It is a good early celery for home gardens and local markets. Pkt., .5 oz., $1.00; ¼ lb., $3.00; lb., $8.00, postpaid.

Giant Pascal—Large, thick, solid, round stalks. Pkt., .5 oz., 25c; ½ lb., 50c; lb., $3.50, postpaid.

Celeriac—(Turnip Rooted Celery) Large, Smooth Prag—An improved turnip-rooted celery. Roots large, round and smooth, free from side roots. Pkt., .5 oz., 25c; ¼ lb., 75c; lb., $2.50, postpaid.

CELERY PLANTS

Ready May to July—Golden Crisp and Golden Self Blanching—Strong transplanted plants. 50c per doz., $1.50 per 100, postpaid. Not prepaid, doz., 25c; $1.25 per 100; $18.50 per 1000.

CRESS

Splendid for salad, garnishing. Sow seed one foot apart in open ground. Sow often for succession, as it soon runs to seed.

Extra Curled or Pepper Grass—The leaves of this small salad are curled and are used for garnishing. Pkt., .5 oz., 15c; ¼ lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.10; 1 lb., $11.50.

Green Curled—Very curly. The mid-ribs being wide and wide, with the outer edges very much indented and curled, forming a very attractive plant. Pkt., .5 oz., 15c; ¼ lb., 40c; lb., $1.35, postpaid. Not prepaid, lb., $1.25; 10 lbs., $11.50.

ENDIVE

A salad vegetable which is becoming very valuable for winter use. Should be sown in June or July, in rows, and thinned to about six inches apart. One ounce 300 feet, 4 to 5 pounds per acre.

Broad Leaved Batavian—Broad, more or less twisted and waved green leaves with thick white mid-ribs. Unsurpassed for salads. Pkt., .5 oz., 15c; ¼ lb., 45c; lb., $1.35, postpaid. Not prepaid, lb., $1.10; 10 lbs., $11.50.

EGG PLANT

The seed germinates rather slowly, and it is well to start under blass, with moderately high temperature, in March. When all danger of frost is over, and the plants are strong, they should be transplanted to the garden or field. Egg plant does not do as well where cool nights prevail, as in places where nights are warm. It needs a warm climate to secure quick and uninterrupted growth. One ounce, 1000 to 2000 plants. Pkt., .5 oz., 75c; ¼ lb., 50c; lb., $5.00, postpaid.

New York Improved Large Purple—Very large and of fine quality. Pkt., .5 oz., 75c; ¼ lb., $1.35; lb., $5.00, postpaid.

Plants—Transplanted well grown plants of Black Beauty ready in May and June; 60c per doz.; $4.00 per 100, postpaid. Not prepaid, 50c per doz.; $5.00 per 100; $50.00 per 1000.

KALE

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in the same manner as spinach. One packet for 100 feet, 2 pounds per acre.

Dwarf Curled Scotch—Grows very low and compact, with large, bright deep green leaves curled, cut and crimped, resembling somewhat a bunch of moss. Pkt., .5 oz., 15c; ¼ lb., 40c; lb., $1.25, postpaid.

Tall Green Early Scotch—Very hardy, not injured by March frost. About 30 inches tall with many dark green leaves, intensely curved and cut, forming a very beautiful plant. Pkt., .5 oz., 15c; ¼ lb., 40c; lb., $1.25.

KOHL RABI

The bulb is edible and when cooked tastes very much like the turnip. If the seed is sown early the young bulbs will be ready for use in the spring, and a planting in July will secure vegetables for fall use. The seed should be planted in the open garden and the young plants thinned to four to six inches.

Early White Vienna—Very early, small tops, light green; bulbs medium size, best quality. Pkt., .5 oz., 15c; ¼ lb., 40c; lb., $2.45, postpaid. Not prepaid, lb., $2.25; 10 lbs., $20.00.

PORTER-WALTON CO., SALT LAKE CITY, UTAH
Golden Bantam.  

**SWEET CORN**

Plant about the middle of May, or as soon as the ground is dry (if planted too early corn is apt to rot) in hills three feet apart each way, seven or eight kernels to a hill; hoe often and draw dirt to the stems; bin to four stalks and break off side shoots. Use plenty of old, fine manure. For succession plant every two or three weeks until the last of July.

**P.-W.'s NEW GOLDEN SUNSHINE—See Novelties**

**Golden Bantam** Very early, deliciously sweet, finest quality; ears small, golden-yellow; very productive. Pkt., 10c; lb., 30c; 3 lbs., 80c, postpaid. Not prepaid, 10 lbs., $1.75; 100 lbs., $16.00.

**P.-W.'s Golden Rod (Bantam Evergreen)**—This is the finest of all giant yellow varieties is a cross between Stowell's Evergreen and Golden Bantam. The plants grow six to seven feet high, ears eight to ten inches in length, filled to the tips with twelve rows of deep, succulent kernels of a rich transparent, cream-yellow, tender, deliciously melting and "sweet as honey." This luscious "milk" takes the place of milk in cooking and is a very healthful addition to morning porridge. A ready meal with no cooking. The stalks are seven to ten feet high, ears eight to ten inches long, cob small and pleasantly covered with long, slender white grains without row formation. Deliciously sweet and tender. Pkt., 10c; lb., 30c; 3 lbs., 80c, not prepaid, 10 lbs., $1.75; 100 lbs., $16.00.

**Country Gentleman** Grand old "stand-by" for the old main crop for canning. It produces three to four ears to each stalk. The ears are seven to eight inches long, cob small and usually covered with long, slender white grains, without row formation. Deliciously sweet and tender. Pkt., 10c; lb., 30c; 3 lbs., 80c, not prepaid, 10 lbs., $1.75; 100 lbs., $16.00.

**Early Mayflower** A splendid extra early white sweet-corn; is earlier than Mam. White Cory and apparently less apt to worm. Ears are pure white, sugary and larger than most other early varieties. Should become one of the leading market gardener's sorts. Pkt., 10c; lb., 30c; 3 lbs., 80c, not prepaid, 10 lbs., $1.75; 100 lbs., $16.00.

**P.-W.'s Portland Market** This is a new leading early corn and is the largest of all early varieties. Its immense size, together with its large, sweet, plump grains of purest white, on well filled ears, make it a ready seller on any market. The large ears, often two in length, mature very even, and owing to the thin husks the marketable ears are easy to detect. The stalks grow strong and vigorous, but rather late. Matures about 10 to 14 days after Early Mayflower. Pkt., 10c; lb., 30c; 3 lbs., 80c, postpaid. Not prepaid, 10 lbs., $2.00; 100 lbs., $16.00.

**OTHER GOOD SORTS**

**Davis County Excelsior**—Ears large, cobs small, and grains almost white. A heavy gilder; very sweet. Early Mammoth White Cory—Stalks short; ears set quite low, of fair size. Very early.

**Early Minnesota**—Ears about 2 inches long; early; kernels broad, sweet and tender.

**Howling Mob**—One of the finest early, large ears; very productive, white. A market gardeners' favorite. Ears 9 to 11 inches long, 16-rowed.

**Price any of above,** Pkt., 10c; lb., 30c; 3 lbs., 75c, postpaid. Not prepaid, 10 lbs., $1.75; 100 lbs., $15.00.

**POP CORN**

Same cultural direction as Sweet Corn.

**Japanese Hulless Dwarf Rice** Very tender and almost hulless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety, no husk when popped. Pkt., 10c; lb., 30c, postpaid.

**NAPA RADISH**

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row. Set slanting and covered about two or three inches deep. Price: 50c per doz.; $3.50 per 100, postpaid.

**Field Corn**—See page 45.

**Garlic**—See page 66.
CUCUMBERS FOR PICKLES AND SALADS

The soil best adapted for the culture of cucumbers is a rich warm moist loam. Seed should be sown in the open from as soon as danger of frost is over. Plant in hills four or five feet each way. As the young plant has many enemies, seed should be sown quite thickly, one-half inch in depth and when well out of the ground thinned to three or four plants to the hill. Cucumbers should be gathered by cutting, not tearing, every day or at least every other day. Leave none to ripen if you want a full crop. One ounce to 75 hills; 2 to 3 pounds per acre.

Early Fortune Comparative tests with all other strains of White Spine prove that this new type has all the "earmarks" of becoming the most popular market variety yet developed. A quick grower, very productive and disease-resistant; fruits nine inches long; slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00.

Davis Perfect A splendid forcing variety and shipper—It is a medium early, extra long dark green type; retains its color and good qualities long after being picked; fruit is exceptionally long, smooth and tapering at both ends; flesh crisp, solid, with few seeds. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00.

Boston Pickling This is a very productive variety that is extensively grown for pickles. The vines are vigorous. The fruits are bright green, of medium size, very smooth and symmetrical. The flesh is crisp and tender. Our seed is decidedly superior to much that is offered. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00.

P.-W.'s Klondike White Spine

Improved Long Green The vines are very vigorous and productive. The fruits are very long, often twelve to fifteen inches when mature. They are uniformly slender and of beautiful dark green color. The large warts and spines are well distributed over the surface instead of being clustered at one end as in inferior stocks. The variety furnishes some fruits early but matures the hulk of its crop rather late. It is a standard sort of slicing and is very largely used for pickles. The fruits are often used for making sweet pickles. This is probably the most extensively used cucumber for the home garden and market. We have given this variety especial attention for many years and believe the stock we offer has no equal. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.15; 10 lbs., $10.00.

P.-W.'s Longfellow See Novelties.

Improved Long Green

Five Pounds and More at 10-lb. Rate; 25 lbs., or More at 100-lb. Rate.
LETTUCE—The “Salad Stand-by”

Headings or Cabbage Types

New York (Los Angeles Market)—The leading summer curly head lettuce or romaine heads, often 13 to 16 inches across, weighing enormously. Blanches creamy-white; crisp, tender and absolutely free from bitterness. Robust growth, rooting deeply, resisting heat, dry weather; very slow to run to seed and a sure header under trying conditions. The outer leaf is a distinct apple-green. Has no equal as a hot weather summer lettuce; not recommended for forcing. Pkt., 50c; oz., 20c; ½ lb., 65c; lb., $2.00, postpaid. Not prepaid, lb., $1.50; 10 lbs., $15.00.

New York No. 12—See Novelties, page 48.

Deacon—Has very few waste outside leaves, grows very solid and of delicious buttery flavor. P.W.'s Extra Early—Quickest growing head lettuce, best for for-}

Cos or Romaine

Sow seed early in spring in rich, well-prepared soil in rows eighteen inches apart, covering one-half inch deep. When plants have two or three leaves thin to three or four inches apart. As the plants begin to crowd, thin and use as required.

Trixton—The best of this type. Forms large, neat green plant with head well folded, quite solid. The flavor is different from ordinary and esteemed by many. Tie plants to blanch them or plant closely, 3 inches apart. Pkt., 10c; oz., 20c; ½ lb., 60c; lb., $2.00, postpaid. Not prepaid, 10 lbs., $15.00.

Curl or Loose Leaved

Black Seeded Simpson—This is one of the best; leaves large, thin and exceedingly tender.

Early Curled Simpson—A popular early sort, forming a large, loose head.

Prices on any of above, Pkt., 5c; oz., 15c; ½ lb., 50c; lb., $1.50, postpaid. Not prepaid, 10 lbs., $16.50.

6 lbs. and over at 10-lb. rate; 25 lbs. and over at 100-lb. rate

Mushrooms

Mushrooms may be grown by anyone having a supply of fresh manure and a shed or cellar, or under a greenhouse hench where a temperature of 50 to 60 degrees is even maintained. They make a most profitable crop when well grown, and the Americans have taken the lead in the world for this most delicious of foods. Full cultural directions with every order.

Fungus Spawn requires one brick, 40c; two bricks, 75c; five bricks, 1.50, postpaid.

Leek

Seed should be planted in June for good plants in the fall or winter.

Musselburgh—This is the best variety, having good thick stems which are also long, very vigorous and of a sweet mild flavor. Pkt., 5c; oz., 20c; ½ lb., 50c; lb., $1.75, postpaid. Not prepaid, lb., $1.65; 10 lbs., $16.00.
MUSK MELOS

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm. In hills five to six feet apart each way for muskmelons, eight feet for Casabas, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three or four plants per hill. A few hills for early use may be had by saving on pieces of soil in a hotbed, and when warm enough transplant to open ground. Melon vines are subject to the same destructive insect and fungus foes as are cucumbers and squash vines. Early and repeated spraying with arsenate of lead mixture is always advisable for these crops. See pages 28 and 29. Seed required, one ounce 50 hills, two to three pounds per acre.

Rocky Ford Pollock 10-25 A decided improvement on popular old Rocky Ford. Market growers are demanding this strain to the exclusion of all others. The melons are extremely uniform in size, shape, netting. Flavor and have good shipping qualities. Pkt. 10c; oz., 15c; ¼ lb., 40c; lb., $1.25, postpaid. Not prepaid, lb., $1.16; 10 lbs., $10.00.

P.-W.'s Honey Ball Muskemelon
Recently introduced, this cantaloupe comes to us from Texas, but thrives generally where other melons will ripen. Perfectly round, covered with netting, this variety is claimed to be a cross between honeydew and Cannonball. It certainly has the good qualities of both, and with it is keeping and shipping qualities it will play a large part in the cantaloupe industry, in our opinion. The flesh is greenish, seed cavity extremely small, and edible to the very rind. While very sweet, yet there is some of the spiciness of the green fleshed cantaloupes which is lacking. Not prepaid. 10 lbs., $5.00. Weight, about 3½ pounds. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.95, postpaid. Not prepaid. 10 lbs., $16.50.

P.-W.'s Orange Flesh Undoubtedly the "last word" in the Rocky Ford type of shipping melons and has brought the highest price in every market shipped to. Its appealing deep orange flesh is its distinctive characteristic. It is the most solid, more to the crate. Fruit very uniform in size, nearly with the smallest seed cell of any type and will weigh round and densely covered with a hard gray netting. Recommended for its hardness, profundeness, deep flesh and excellent eating and shipping qualities. Extra Selected Stock Seed. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50, postpaid. Not prepaid, lb., $1.60; 10 lbs., $12.50.

P.-W.'s Delicious Gold Lined Rocky Ford—(Improved Netted Gem)—This ideal type is of medium oval shape about five inches long, thickly netted skin without ribs. Contains a small seed cavity, rind thin, leaving a thick lining of flesh which is a most delicious juicy flavor and fairly melts in the mouth. Flesh green, tinge of yellow center. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.35, postpaid. Not prepaid, lb., $1.16; 10 lbs., $10.60.

CASSABA MELOM

The Casabas are primarily for winter use. They require a long season for maturing but the fruits are exceptionally good keepers. Cultivate same as other muskmelons but do not water too freely after first setting of fruit is fully grown. Pick when the light streams have become quite yellow and store so they do not touch each other, in a cool dark place. When the rind becomes slightly softened and moist, they are ready to cut.

Honey Dew (Improved Casaba)—The outer skin is smooth and yellow, nearly white, tinged to a lemon tint when fully ripe. Melons weigh from six to ten pounds each, oval in shape, thick meated, very small seed cavity, flesh is light green, solid, honey-like flavor, luscious and juicy. Fruits may be laid away for use late in the fall. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50, postpaid. Not prepaid, lb., $1.32; 10 lbs., $12.00.

Golden Beauty—One of the best casabas. Fruit globular, bright yellow with golden tint, with wrinkled skin, six to eight inches in diameter. Flesh is white, very juicy and sweet. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50, postpaid. Not prepaid, lb., $1.35; 10 lbs., $12.50.

When better cantaloupes are grown than the varieties we offer you may depend on it we'll have them.

By means of our Centerville Trial Grounds we select the "Best."

Golden Beauty Casaba

Hearts of Gold

Heart of Gold (Improved Hoodo)—Carefully selected to an oblong type, a little larger than the standard Rocky Ford, very uniform in size. It is a splendid shipping variety and in increasing use. While it is a ribbed melon the ribs are not prominent and the melon is very heavily netted. The flesh is a rich orange color, fine grained and of excellent flavor. The seed cavity is small. It does not turn yellow when ripe but retains its natural green color and remains solid and firm for days after it is packed from the vine. The vines are very strong growers and are rarely affected by rust. Excellent records were made with this variety for market. Pkt., 10c; oz., 15c; ¼ lb., 60c; lb., $1.50, postpaid. Not prepaid, lb., $1.25; 10 lbs., $11.50.

Burrel's Gem (Salmon fleshed cantaloupe, extensively grown for market)—Equally good for the home garden. Similar in appearance to its parent, "Defender." It is easily crated, medium size, oval in shape, slightly ribbed, covered close with net. The flesh is firm, fine grained, rich, deep yellow; vigorous and productive. Regular Stock—Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.00, postpaid. Not prepaid, 10 lbs., $8.00.

Growers Stock—Seed in sealed 1 lb. bags, $1.35, postpaid.

Persian—See novelties.

Hales Early—See novelties.

(Use Hotcaps for Earlier Melons. See page 25).
P. W.'s Kleckley Sweet Watermelon

WATERMELONS

Plant the seed the middle of May in drills about 9 feet apart. Use five or six seeds to a hill and thin out to three plants in the second or third leaf stage. A farm crop two to four pounds per acre. A good Watermelon is one of the finest fruits on earth. On a hot day there is nothing like a fresh, juicy, sweet Watermelon. Some Watermelons are much sweeter than others.

P. W.'s Improved Kleckley Sweet

The best melon for home or near-by markets. There is no melon superior in quality to this strain of Kleckley sweet. The bright red flesh is the ideal of watermelon quality: firm, crisp, entirely free from stringiness or cotton and “sweet as sugar.” The melon is oblong in shape, about twenty inches in length by ten or twelve inches in diameter. The skin is a rich, dark green. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Chilian or Cannon Ball

This is a great favorite in California, both with home and market gardeners. It is nearly round, medium size, skin very dark, rich green, rind thin; flesh bright red and exceedingly crisp and sugary. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Winter Watermelon (King and Queen)

As the name indicates, this is a winter variety. The firmness of the flesh causes it to be the longest keeper of the watermelon family. Put into a cool place it will keep long into the winter without losing its delicious sweetness or exquisite flavor. This is a very hardy winter melon, almost as hard as citrus—very brittle and deliciously sweet. This melon is round shaped and the skin is very light green, almost white. It is a good drought resistant and does well in almost any section of the west where melons of any sort can be grown. No garden should be without this exception. Pkt., 5c; oz., 15c; ½ lb., 45c; lb., $1.40, postpaid. Not prepaid, 10 lbs., $12.50.

Black Seeded

Pkt., 5c; oz., 15c; ½ lb., 40c; lb., $1.20, postpaid. Not prepaid, lb., $1.10; 10 lbs., $10.00.

The Klondike Watermelon

A very popular new melon from the south-west. The seeds are quite small, color brown mottled black, while the flesh is a distinctive shade of deep red. The rind is dark green; the shape is long with an average weight of 25 pounds. While more a home garden than a market variety, it is adapted for shipping moderate distances. Though cylindrical in shape, the Klondike tapers slightly toward the blossom end. Edible in 82 days. Size averages 10x10 inches. It is a better shipper than most of the thin rind melons and is proving a favorite with the Market Gardeners in the Salt Lake valley. Pkt., 10c; oz., 15c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50. Crown Set Stock Seed, lb., $1.50, postpaid. Not prepaid, lb., $1.40; 10 lbs., $13.50.

P. W.'s New Stone Mountain

(See Novelties pages)

OKRA OR GUMBO

One ounce fifty feet of drill

Sow late in the spring after the ground has become warm, in drills three feet apart, and when plants are three inches high, thin out to ten to twelve inches. They should be well manured. They can also be started in a hotbed and transplanted afterward. The young, green served like asparagus.

Dwarf Green—Prolific and productive.

White Velvet—Pods are large, perfectly round and smooth and attractive; of superior flavor and tenderness.

Angello (Black Strain)

—Attractive melon, nearly round, medium size with dark green skin; irregularly striped a deeper shade. The flesh is a sparkling scarlet, and its edible qualities are unequaled. The average weight of the melons is 30 pounds. Edible in 90 days. Size 13x10 in. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Irish Grey—A new beat resistant grey melon; deep red flesh, hard and sweet, without hard center. Pkt., 5c; oz., 15c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Excel—A new, very large black-seeded shipping melon, it is a little smaller than Tom Watson, but can be shipped anywhere. Pkt., 5c; oz., 15c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Halbert Honey—Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

Tom Watson—Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

ORDER EARLY

In January and February, if possible, before the Spring rush begins. March and April are our busy months and our full force works day and night under top pressure. We allow you 5% discount for the privilege of filling your order before March 1.
ONIONS

The Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriments and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The disagreeable odor it imparts to the breath may be avoided in a great measure by thorough cooking, or by eating a few leaves of parsley.

Sow in drills twelve to sixteen inches apart, sowing the seed thinly and cover thinly. If desired for transplanting, seeds may be sown broadcast, covering a quarter of an inch deep and transplanted when size of straws. Onions prefer a deep, friable loam, very heavily enriched, but no fresh manure; therefore, fertilize the year previous to sowing. Thin three to six inches apart. If rains follow, much water is fatal and should never touch the plants after too old to pull for eating green. For keeping quality, always irrigate between the rows.

One ounce 100 feet, 4-6 pounds per acre.

It will not do to store onions in large piles or masses, particularly in warm weather, or if they are the least moist, but if perfectly dry when gathered and stored in crates, they can be kept in fine condition till spring. The best way is to keep them dry, giving bottom ventilation if possible, and a uniform temperature of about 32° to 34° F.

P,-W.'s Sweet Spanish Onions
Grown at Centerville

P,-W.'s Sweet Spanish Genuine "Valencia" Type—Riverside Strain. This giant, mild flavored onion was originally imported from Spain and this particular strain was developed by selection at Riverside, California. It is a big, globe-shaped, brownish yellow onion weighing from one to three pounds depending on how it is grown. It has an unusual sweet, mild flavor and in the Salt Lake Valley and sections of similar climatic conditions, if planted early, it can be thoroughly cured, insuring its good keeping and shipping qualities. It has become very popular here and is now the leading onion grown by Market Gardeners in the inter-Mountain region. Hundreds of carloads are shipped out annually. On good soil this variety produces onions measuring from four and one-half to five and one-half inches in diameter. A yield of two thousand bushels per acre is not uncommon. In the ordinary method of planting here it requires three pounds of seed per acre when planted directly in the field. This is a most popular method in this section. The seed we offer has been grown from selected onion bulbs and we enthusiastically recommend it as having no superior anywhere. Pkt. 10c; oz., 40c; 1/4 lb., $1.25; lb., $4.00, postpaid. Not prepaid, lb., $3.00; 10 lbs., $35.00.

Utah State Certified Seed of Valencia Spanish—Furnished at the same price as P,-W.'s Sweet Spanish.

P,-W.'s Mountain Danvers This is an exception-
Globe Type, originally developed in the high valleys of the Rocky Mountains. It is most probably a cross between the Early Flat Danver and Giant Gibraltar, producing a large, semi-globe shaped onion so well adapted to high altitudes and short season. In sections where the season is too short to produce Sweet Spanish Onions, this is surely a most profitable variety to grow. Yields of 600 bags per acre are very common. Bulb is large, slightly flattened, of a beautiful bronze color, splendid keeper.

Price—Pkt., 5c; oz., 20c; 1/2 lb., 65c; lb., $9.00, postpaid. Not prepaid, lb., $1.85; 10 lbs., $17.50.

P,-W.'s Yellow Globe Onion Medium size, solid-
and heavy. The skin is a beautiful yellow, tops ripen down early, neck and tail short. One of the surest keepers grown. Flesh white, of mild and pleasant flavor. Pkt., 5c; oz., 20c; 1/2 lb., 65c; lb., $2.00, postpaid. Not prepaid, lb., $1.95; 10 lbs., $18.50.

Ailsa Craig—Color light straw yellow, fine grained, very mild flavor, mammoth size, often weighs two pounds, ripens early. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., $2.25, postpaid. Not prepaid, lb., $2.00; 10 lbs., $18.00.

American grown Prize-taker—Very large, nearly round, skin light yellow. Flesh pure white in color, crisp and mild flavor. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $18.00.

Australian Brown Medium size, amber brown skin, white flesh, heavy yielder, good keeper. Pkt., 5c; oz., 20c; 1/2 lb., 65c; lb., $1.70. Not prepaid, lb., $1.60; 10 lbs., $15.00.

Gigantic Gibraltar—An immense, light yellow onion, fine grained, crisp, mild flavored and early. They not infrequently measure 1 inches around, and weigh two pounds. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $18.00.

Southport Yellow Globe—The flesh is snow-white, firm, mild and juicy, skin light golden yellow. Popular for family use or market. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $18.00.

Yellow Flat Danvers—Largely planted Flesh fine grained; mild. Pkt., 5c; oz., 20c; 1/4 lb., 55c; lb., $1.75, postpaid. Not prepaid, 10 lbs., $14.50.

Red Wetherfield—Though well flattened, the solid onions are thick through, skin is a deep glossy, purplish red. Flesh white. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $18.00.

Southport Large Red Globe—Distinctly globe-shaped, small neck, excellent keeper; deep purplish red. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $18.00.
ONIONS—Continued

WHITE VARIETIES

Crystal White Wax Popular Market Onion for the South and Southwest—Selected stock direct from the most critical grower on the island of Teneriffe. Very large, white onion of the Bermuda type, a remarkably good shipper and an excellent keeper. The sweet, mild flavor and large size makes it very desirable on any market. Pkt., 10c; oz. 25c; 1/2 lb., 75c; lb., $2.95; postpaid, Not prepaid, $3.85; 10 lbs., $27.50.

P.-W.'s Southport White Globe True globe form, pure white, hard and small neck, ripening very early and evenly. A splendid keeper, grows to a large size, very solid and heavy, flesh pure white and fine grained, mild, delicate flavor, heavy yielder. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.95; postpaid, Not prepaid, $3.85; 10 lbs., $27.50.

Extra Early Barletta Old-time favorite. From one inch in diameter in one to one-half inch in diameter in about one inch thick. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.95, postpaid, Not prepaid, lb., $1.90; 10 lbs., $15.00.

P.-W.'s Peerless White Best all purpose onion in the list. In our estimation this splendid new variety is the best bunching onion that has come under our observation. We especially recommend it to our Market Gardener customers who desire a bunching onion that will be marketable over an extended period. It holds longer than any other type and comes into market as early as the Pearl or White Queen. It is a true globe form, pure, white, solid, ripening early, making a splendid winter onion and it is a very good keeper. The mature onions grow to a good size, some average from 7 1/2 to 9 inches in circumference. The neck is white and fine grained and has a good flavor. We are sure that wherever this tried will become a Market Gardener's favorite, and equally desirable for the home market. A splendid green onion for use during the Summer season. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.95, postpaid, Not prepaid, lb., $1.90; 10 lbs., $15.00.

P.-W.'s White Spanish Sweet—See Novelties

Mammoth Silver King—large, attractive form, flat-tended, quite thick through. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.95, postpaid. Not prepaid, lb., $1.90; 10 lbs., $17.50.

Early White Queen Highly recommended for pickling purposes. This variety is an exceedingly early one. The bulbs are small, very pure white, quite thick, from 1 1/2 to 2 inches in diameter and about one inch thick. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.95, postpaid. Not prepaid, lb., $1.90; 10 lbs., $17.50.

White Lisbon For bunching. This is a very popular variety in the West, is also planted very extensively in Europe, and will make a good sized bulb. The white, scallion presented, silvery white, from 1 1/2 to 2 inches in diameter, and about one inch thick. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.90, postpaid. Not prepaid, lb., $1.90; 10 lbs., $17.50.

Other Good White Onions

Extra Early Pearl—One of the earliest; mild flavor. Round Silver Skin (White Fuggal) —1/2 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $17.50.

White Welsh—Does not form bulb but produces very early plants. Pkt., 5c; oz., 20c; 1/2 lb., 60c; lb., $2.00, postpaid. Not prepaid, lb., $1.90; 10 lbs., $17.50.

ONION PLANTS

This is rather a new method of growing large onions, but our experience the last two or three years proves it to be very successful. Our growers in Texas can plant the seed earlier than we can in this section and they are able to develop good, sturdy plants which stand shipment remarkably well and transplant with little loss.

For those desiring a large number we quote F.O.B. our shipping point in Texas a crate of 100 plants. These plants are put in bunches of 100 and 500 to the crate.

Prices F.O.B. Salt Lake City:

Bermuda 100 $1.00 6,000
Onion Plants

Sweet Spanish $ .40 $2.00 8.50
Crystal White Wax $ .35 1.95 7.00
Yellow Bermuda 100 $ .75 7.00

Prices F.O.B. Shipping Point, Texas:

Sweet Spanish $6.00 per crate
Crystal White Wax at $5.00 per crate
Yellow Bermuda at $4.75 per crate

ONION SETS

A great specialty with us. We produce several carlots at our own farm in Centerville. The remarkable firmness, soundness and regularity in size of our Mountain Grown sets has been a matter of comment wherever they have been compared with those from other sections. Having been grown in this high altitude, they will produce a crop at any point east or south and in half the time that it could be produced from seed.

Cultivation—Soil requirements are the same as with onion seeds. Plant the sets 1 to 4 inches apart in the rows, depending on the variety, and twelve inches apart between the rows. It requires from 250 to 350 pounds for an acre.

Brown Bottom Sets—lb., 25c; 3 lbs., 65c; 10 lbs., $2.00, postpaid. Not prepaid, 10 lbs., $1.45; 100 lbs., $10.00.

White Bottom Sets—lb., 30c; 3 lbs., 75c; 10 lbs., $2.25, postpaid. Not prepaid, 10 lbs., $1.25; 100 lbs., $11.00.

Write for prices on quantities as market fluctuates greatly on onion sets.
PARSNIPS

Parsonips are one of the most delicious of vegetables and have the great merit of being at their best after a
freeze. It takes cold weather to bring out their sweetness.
They may thus be harvested when the garden has little
close to offer. Another great advantage is that they may
be left in the ground all winter, and dug during thaws of
in the spring before they sprout, when they furnish the
first crop of the new year. Do not use fresh manure in
soil where parsonips are to be grown. It will cause the
roots to divide. A deep, rich soil is best for them, and
they must be thinned out and given plenty of room to de-
velop. 1 oz. for 100 feet of row, 5 to 8 pounds per acre.

Guernsey or Hollow Crown A variety with a hol-
low or cup-shaped
top, where the leaf stem begins. The most popular and
best variety for all purposes. Skin smooth and white and
flesh tender, while the root grows eighteen to twenty
inches long, the best part of it is contained in the first
eight inches from the top. Our strain of Hollow Crown is
the thick shouldered type particularly fine smooth and
regular. Pkt., 5c; oz., 10c; % lb., 35c; lb., 90c, post-

PARSLEY

Parsley do best in hot climates, but can be grown successfully in most places. They require very rich soil or
the seed germinates slowly. They should be sown in bot-toms in March or April and in a warm, sheltered border
in May. And when all danger of frost is over the young plants should be transplanted in rows two feet apart and
eight inches in its row in good, rich ground. One Ounce 500 Plants, Half Pound per Ace.

P.W.'s New Wonder Bell Pepper. (See page 47)

Anahiem Chili—It will supplant entirely Old Mexican Chili. Very desirable for canning because of fleshiness and
pungency. Pkt., 10c; 1/2 oz., 20c; oz., 40c; 1/4 lb., $1.40, post-
paid. Not prepaid, lb., $4.25.

P.W.'s Chinese Giant Red This is a very
large, deep red
variety, almost twice the size of either Ruby King or
Bull Nose. It is four or five inches thick at the top and
about six inches long. Fruits mature only slightly
later than the Ruby King, flesh sweet and extremely
mild. Pkt., 10c; 1/2 oz., 30c; oz., 60c; 1/4 lb., $1.20, post-
paid. Not prepaid, lb., $5.00.

Giant Crimson—About the size of Chinese Giant,
similar in appearance; ripens earlier.

Large Bell or Bull Nose—Large, bright red.

Long Red Cayenne—Small, a bright scarlet, con-
shape, pungent pods.

Neapolitan—Unusually mild and sweet, a bright red.

Pimento—The sweetest Pepper grown, as it does not
contain the slightest trace of bitterness, medium size and
of a shape which is desirable for filling. It may be
used in salads and for flavoring.

Red Chili—Small bright red, hot and pungent.

Ruby Giant A cross between Ruby King and
Chinese Giant, ripens earlier.

Ruby King—Fruits large, glossy red, very mild, sweet
navor and can be sliced and eaten like tomatoes. Best
for making mangos and most widely planted in the
mountain states.

Any of the above not specially priced—Pkt., 10c; 1/2
oz., 25c; oz., 40c; 1/4 lb., $1.10, post paid. Not prepaid,
lb., $4.00; 10 lbs., $27.50.

PEPPER PLANTS

Strong, healthy transplanted plants ready in May and
June of Chinese Giant and Ruby King varieties. Price
35c per doz.; $2.90 per 100, postpaid. By express, not prepaid. $9.00 per 1000.

(For Early Plants Use Hot Caps. See page 25)

P.W.'s Chinese Giant Pepper

N. B. Five pounds and over at 10 lb. rates: 25 lbs. and over at 100 lb. rates.
**POTATOES**

The Seed Potatoes we send out will be not only strictly true to name, but hand-sorted, clean, healthy and vigorous.

For early potatoes, which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover bed, manured and broken the year before and planted to corn, beans, peas, oats, etc. is the best shape for giving a good yield of nice, clean potatoes. Stable manure had better be applied to the land the year before. Plant large sized pieces each containing no less than two or three eyes, fifteen inches apart for late ones. Requires 700 to 1200 pounds seed per acre.

**Early Ohio** An old time favorite; matures early, and the potatoes are fit for use before fully ripe. Most growers consider it the most profitable early market variety. Red River Strain, grown on virgin 10 lbs., 80c, not prepaid. 100 lbs., market price.

**Idaho Russet** This splendid variety has become the leading main crop potato in this region. The tubers are elongated, shallow eyes, and covered uniformly with a thickly netted skin. Good yielder and excellent keeper; always command the top price in the market. 10 lbs., 80c, not prepaid.

**Comparative Yields Prove Semesan's Value**

The left-hand pile represents the yield from three average hills of untreated seed potatoes; the center pile from three hills treated with formalddehyde; and the right from three hills of Semesan disinfected seeds. (See page 30 for further information and prices on Semesan).

**Early Bliss Triumph** The leading early potato of today, and is now supplying two-thirds of the market with new potatoes for the early spring trade. There is a good reason why the Triumph should be popular. It is ten days earlier than the Early Ohio, and that is a big feature in favor of the farmer. It is not so liable to rot or scab. The tubers are nearly round with red smooth skin, and have shallow eyes. 10 lbs., $1.00, not prepaid.

**Early Rose** (not prepaid) 10 lbs. 80c; 25 lbs. $1.25. Irish Cobbler (not prepaid) 10 lbs. 80c; 25 lbs. $1.25. Rural New Yorker (not prepaid) 10 lbs. 80c; 25 lbs. $1.25.

Write for Quantity Prices—Market Fluctuates Rapidly.

**HOW TO TREAT POTATOES WITH SEMESAN**

One pound of Semesan Bel, when treating a fairly large quantity of seed potatoes, is sufficient for 16 to 20 bushels. If the potatoes are very dirty they should be washed thoroughly, drained and surface dried before treating to secure the most economical and effective disinfection.

For each 10 quarts or 9 1/2 gallons of water in the treating tub have ready one pound of Semesan Bel. Sprinkle enough onto the water to cover its surface and stir it constantly until the disinfectant forms a whitewash-like mixture or dip. Keep stirring and adding the Semesan Bel little by little until the required quantity is mixed into the water. The mixture is then ready for the dipping of the potatoes.

If properly mixed, it requires no further stirring during the treatment and retains its proper antiseptic strength to the last drop. Never commence dipping potatoes until the Semesan Bel is in complete suspension.

The grower requiring only a small lot of seed may utilize the same effective treatment by mixing, in the manner already described, smaller proportionate quantities of the Semesan Bel solution. Free booklet givings full details mailed on request; ask for it. See also page 30 of this catalog.

**PUMPKINS**

Plant in April or May, among corn or in the garden, in hills eight or ten feet apart, and otherwise treat in the same manner as melons. Three to four pounds per acre. One ounce will五十 hill.

**Common or Connecticut Field**—A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it also makes good pies. Pkt. 5c; oz. 10c; 1/2 lb. 25c; lb. 75c. Not prepaid, lb. 60c; 10 lbs. $5.50.

**Kentucky Field**—Large, round-flat cream-colored pumpkin, sweet and gelatinous. Pkt. 5c; oz. 10c; 1/2 lb. 25c; lb. 75c. Not prepaid, lb. 60c; 10 lbs. $5.50.

**King of Mammoth or Jumbo**

This strain produces the biggest pumpkins grown, sometimes measuring six feet in circumference and weighing 100 to 250 pounds. Outside color dark brown, flesh very thick, fine grained, tender, of bright yellow color and excellent quality for pies and other uses. Pkt. 5c; oz. 15c; 1/2 lb. 40c; lb. $1.50. Not prepaid, lb. $1.15; 10 lbs. $10.00.

**Sugar Pie**—A handsome and productive small pumpkin, ten to twelve inches in diameter, flat round, skin orange. Flesh deep yellow of fine grain and very sweet. Pkt. 5c; oz. 10c; 1/2 lb. 25c; lb. 75c; postpaid. Not prepaid, lb. 60c; 10 lbs. $5.00.

By means of our Centerville Seed Trial Grounds, we know our customers.

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Idaho Russet

Sugar Pie Pumpkin
DELICIOUS GREEN PEAS

Peas share with sweet corn, parsnips and squash the honor of being the sweetest of vegetables. Their sweetness is in proportion to the wrinkles in the seed, we are told. Smooth seeded varieties are little used except for very early sowing. They will stand cold weather in which the wrinkled sorts will rot.

Our seed peas are raised in high valleys in the Mountain States, by our most trusted growers, from selected stock strains. Our growing crops have been carefully inspected and "rogued," and the resulting seed crop thoroughly cleaned and "hand picked." Truly there can be no better stock found anywhere.

Culture—Peas thrive best in rather light, sandy soil which is not too rich or they will run too much to vines and not bear heavily. Sow as soon as the ground can be worked, in single or double rows from one and one-half to three feet apart. The dwarf varieties can be planted in rows twelve to eighteen inches apart. By using the various classes of peas and by making several sowings of each, good peas may be had for long season. In the garden, the pods should be picked as the vine will continue to bear longer. One pound 100 feet of row, 100 pounds per acre.

P.-W.'s Laxtonian—This is the largest podded of all early dwarf peas. A new sort of decided merit. The vines are vigorous, growing about 10 inches high and producing a large crop of good-sized pods, averaging from nine to ten peas to the pod, exquisitely flavorful and mature early. It is an old favorite and Thomas Laxton considers it as superior to either of the old Gradus or Thomas Laxton, and considers it to be the best of all the early dwarf peas.

From our own observations, at our trial grounds and the combined experiences of market gardeners in different sections, we have no hesitation in recommending this excellent variety to be the Best Extra Early Pea in the West in Market Growers Pkt., 10c; lb., 35c; 5 lbs., 60c, postpaid. Not prepaal, 10 lbs., $1.80; 100 lbs., $16.00.

P.-W.'s Laxton Progress — See Novelities—New English Introduction.

P.-W.'s Dwarf Gradus

P.-W.'s New World's Record Pea—See novelities.

P.-W.'s Dwarf Prize

This handsome new wrinkled pea is so hardy that it may safely be planted as early as the hard-seeded "Early Earlies." The plants are dwarf, growing about 14 inches high, very stout and exceedingly productive, and quality is all that could be desired, except its sweet and tender, it is the ideal variety for the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 10c; lb., 35c; 5 lbs., 60c, postpaid. Not prepaid, 10 lbs., $1.80; 100 lbs., $16.00.

Little Marvel

The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 10c; lb., 35c; 5 lbs., 60c, postpaid. Not prepaid, 10 lbs., $1.80; 100 lbs., $16.00.

Other Goods Peas

Extra Early Varieties

Alaska Early—Smooth
Gradus or Prosperity—Thomas Laxton—

Early Varieties

American Wonder—
Nott's Excelsior—

Price, any of above varieties, Pkt., 10c; lb., 30c; 2 lbs., 55c, postpaid. Not prepaid, 10 lbs., $1.75; 100 lbs., $15.50.

Five pounds and over at 10-lb. rates, 25 pounds and over at 100-lb. rates.

Main Crop Varieties

Bills Everbearing—
Dwarf Tomato
P.-W.'s Dwarf Defiance
Yorkshire Hero
Stratton
Mammoth Melting
Sugar Edible Pod

Used the same as carrots; sometimes made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as carrots; can remain in the ground all winter for early spring use, but should be taken up before it starts growing. Succeeds best in light, well enriched mellow soil. Sow early in the spring in drills 12 to 15 inches apart, 1 inch deep; thin to 6 inches.

Mammoth Sandwich Island—Grows to a very large size and resembles a good-sized parsnip. Very mild and delicately flavored; very popular. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., $1.50, postpaid. Not prepaid, lb., $1.30; 10 lbs., $12.50.

Swiss Chard—See page 84.

RHUBARB

Sow the seed early one inch deep and when the earth is early and warm, thin them to four or five inches apart. The next spring or fall transplant them three feet apart each way in deep, rich soil. For forcing take up some large roots filled with large sweet tender peas of most delicious flavor. It answers every requirement of the market grower who wishes a pea that will stand shipping distance and still retain its dark green color. For the home garden it is equally desirable. Pkt., 10c; 2 lbs., 60c, postpaid. Not prepaid, 10 lbs., $1.80; 100 lbs., $16.00.

Inoculate Peas with McQueens Incubator for Increase Yield. See page 31.
CRISP RADISHES

For the best results the soil should be light, well pulverized, rich and mellow to insure quick growing, supplying plenty of water. Radishes permitted to grow slowly become tough and pithy, light frosts will not kill young plants, but will check the growth and they do best when kept growing right along. For a succession sow every ten days. During the hot months of summer, winter radishes will do better than the early sorts. Winter radishes can be stored, same as potatoes furnishing an acceptable relish through the winter months.

There is no crop that will bring quicker returns for the market gardener. The leading variety is “P.-W.’s Sparkler”; or if you wish an all scarlet, use “P.-W.’s Earliest.” Our recommendations are P.-W.’s Sparkler for early or succession; icicle for second early; and Celestial for winter use.

P.-W.’s Sparkler Radish The Leader for Market—Color is scarlet and white, extremely quick to mature, being ready for the table in 20 days from planting. Valuable for forcing under glass, as well as for the open. Skin very smooth, and its color gives it an appetizing appearance. Selected stock seed. Pkt., 5c; oz., 10c; Vi lb., 25c; lb., $1.75, postpaid. Not prepaid, lb., 65c; 10 lbs., $6.00; 100 lbs., $50.00.

P.-W.’s Scarlet Globe—See Novelties.

French Breakfast—Oval form, bright scarlet color, tipped with white. Pkt., 5c; oz., 10c; Vi lb., 25c; lb., 85c, postpaid. Not prepaid, lb., 65c; 10 lbs., $6.00; 100 lbs., $50.00.

Winter Varieties Seed for winter radishes should be sown about the first of August in rich, warm, sandy loam, in rows about twenty inches apart, covering half an inch deep. When well up thin to three inches quicker, then earth in the row and give frequent cultivation. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

Chinese Rose—Half-long, flesh pink, solid.


Celestial or White Chinese—Pure white, firm.

Prices, any of above, Pkt., 5c; oz., 10c; Vi lb., 30c; lb., 85c, postpaid. Not prepaid, lb., 80c; 10 lbs., $7.50.

For spring and summer use, sow early in drills, one foot apart and one inch deep, as soon as the ground can be worked; and every two weeks thereafter for a succession. For winter or spring use, sow in September or in well-manured ground, covering with straw on the approach of severe weather. It is hard to get the ground

WE FURNISH FIVE POUNDS AND OVER AT 10-LB. RATES

25 POUNDS AND OVER AT 1-LB. RATES

**P.-W.’s Noble Giant “Thick Leaved”—**

By far the best of the “smooth-leaved” sorts it produces a large mass of rather smooth, very thick rounded leaves, of enormous size. Although it is a very quick grower it stands a long time before bolting to seed. Being a very shy seeder, it is impossible to grow the seed at the price of the old types. It is highly to be recommended for both the home and market garden. Because of the greater tonnage produced and the smoothness of the leaves which makes washing easy, this variety is also unequalled for canning. Seed round. Pkt., 5c; oz., 10c; Vi lb., 20c; lb., 55c, postpaid. Not prepaid, lb., 45c; 10 lbs., $4.00; 100 lbs., $35.00.

**P.-W.’s Improved Bloomsdale Savoy-Leaved—**

—Best for fall, but it is soon very early in the spring will produce a good crop. This early, productive variety produces large glossy, dark green leaves, crumpled or blistered, very thick and of great substance. This will be the most largely grown spinach on the market; as the tendency to bolt to seed in warm weather; has been largely eliminated in this improved variety. Pkt., 5c; oz., 10c; Vi lb., 20c; lb., 45c, postpaid. Not prepaid, lb., 35c; 10 lbs., $3.00; 100 lbs., $25.00.

**King of Denmark**

The plants are of rapid growth, but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. Pkt., 5c; oz., 10c; Vi lb., 20c; lb., 45c, postpaid. Not prepaid, lb., 35c; 10 lbs., $3.00; 100 lbs., $25.00.

**Bioomsdale Savoy—**

Regular stock of this well known variety. Pkt., 5c; oz., 10c; Vi lb., 20c; lb., 45c, postpaid. Not prepaid, lb., 35c; 10 lbs., $2.75; 100 lbs., $22.50.
SQUASH

Squash should be planted in warm, light, rich soil, after the weather has become thoroughly settled and warm, as they are very sensitive to frost and cannot be sown until all danger of frost is over. Plant in well manured hills in the same manner as cucumbers or melons. The bushy varieties two to three feet apart each way and the running kind six to eight feet. One ounce 100 feet 2 to 3 pounds per acre.

SUMMER VARIETIES

Cocozelle (Italian Vegetable Marrow)—Fruits large, oblong shaped, dark green at first but as they mature become marbled with yellow and lighter green stripes. Fine grained, tender and of excellent flavor. Pkt., 5c.; oz., 15c.; 1/2 lb., 35c.; 1 lb., $1.25, post-paid. Not prepaid, lb., $1.10; 10 lbs., $10.00.


WINTER VARIETIES


Delicious—In shape resembles the Hubbard. Flesh very thick, deep orange color. Pkt., 5c.; oz., 15c.; 1/2 lb., 40c.; lb., $1.25, post-paid. Not prepaid, lb., $1.15; 10 lbs., $11.00.

Pike's Peak or Shirley—Large oval fruits, skin in color, flesh golden-yellow, very best quality. Pkt., 5c.; oz., 15c.; 1/2 lb., 40c.; lb., $1.25 Not prepaid, lb., $1.10; 10 lbs., $10.00.


Utah Giant Field—Pkt., 5c.; oz., 15c.; 1/2 lb., 40c.; lb., $1.20, post-paid. Not prepaid, lb., $1.10; 10 lbs., $10.00.

Swedes or Rutabaga

Rows should be at least two and one-half feet apart and the plants thinned to eight to twelve inches. Roots frequently grow to an enormous size. The roots should be handled or pit. One ounce 100 feet 3-3 pounds per acre.

Improved Purple Top—Remarkable for uniform shape and fine quality. A splendid keeper. 4th smooth; a beautiful yellow color, fine grained. Very sweet and tender. Pkt., 5c.; oz., 10c.; 1/2 lb., 25c.; lb., 75c., post-paid.

P-W's Neckless Yellow Purple Top—Improved strain of Rutabaga without neck, flesh yellow and five grained, best of all the yellows. Pkt., 5c.; oz., 10c.; 1/2 lb., 25c.; lb., 75c., post-paid.

TURNOIPS

For early use, sow as soon as the ground can be worked in the spring, in drills twelve to fifteen inches apart, and thin out to six to nine inches in the row. For succession, continue to sow every two weeks until June. For fall or winter crops sow in July or August. One ounce 100 feet 2 pounds per acre.


The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper, extensively grown and planted for fall and winter, and produces enormous crops. In our estimation it cannot be beat either for home or market planting. Pkt., 5c.; oz., 10c.; 1/2 lb., 25c.; lb., 75c., post-paid. Not prepaid, lb., 65c.; 10 lbs., $6.00.

Extra Purple Top Milan—Earliest turnip in cultivation; flat, smooth, of medium size, with a bright purple top and few leaves. Pkt., 5c.; oz., 15c.; 1/2 lb., 40c.; lb., $1.25, post-paid. Not prepaid, lb., $1.10; 10 lbs., $10.00.

Other Good Varieties

We furnish five pounds and over at 10 pound rates; 25 pounds and over at 10 pound rates.

PORTER-WALTON CO., SALT LAKE CITY, UTAH

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Cocozelle (Italian Veg. Marrow)

Swedes or Rutabaga

Chicago Warted Hubbard

Squash

TURNOIPS

Purple Top Globe Turnip

Extra Early White Milan

Early Purple Top Strap Leaf
TOMATOES

Culture For early plants sow in hot beds or boxes early in March. In drills five inches apart, one-half inch deep. When the plants are about two inches high, transplant into another four inches apart each way. Plant the open in the open ground as soon as danger from frost is over, four feet apart each way, in hills. Water freely at the time of transplanting. When the first fruit is set, pinch off the ends of the branches to attain early fruit. For late ripening sow in sheltered border in May and set out the plants in July. The green fruits can be picked off before late frost and ripened under glass. One ounce, 1,000 plants, two

P.-W.’s “King of Earlies” (T. L. E. Strain)—A new blood red tomato, ripening in 95 days. Very distinctive in appearance as the Red Rock but two weeks earlier, ripening about two days after the Earlina, and very much more productive. Not quite as large, but considerably sweeter. The vine is short-stemmed, unusually healthy and produces very solid, smooth, meaty and most attractive fruit which is round at the bottom, quite free from cracks, with very little cavity at the stem end, it is similar in appearance to Chalk’s Jewel but is five days earlier, considerably larger fruited, far more productive, picking over a longer period, better color and more solid. It will prove a leader in every section where an early tomato is desired.

P.-W.’s Sunnybrook Tomato

OTHER EARLY VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Oz.</th>
<th>1/4 lb.</th>
<th>1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonny Best</td>
<td>5c</td>
<td>.90</td>
<td>3.00</td>
</tr>
<tr>
<td>Chalk’s Early</td>
<td>5c</td>
<td>1.00</td>
<td>3.50</td>
</tr>
<tr>
<td>P.-W.’s Extra</td>
<td>5c</td>
<td>1.00</td>
<td>3.50</td>
</tr>
<tr>
<td>Dwarf Champion</td>
<td>5c</td>
<td>1.00</td>
<td>3.50</td>
</tr>
<tr>
<td>June Pink</td>
<td>5c</td>
<td>1.00</td>
<td>3.50</td>
</tr>
<tr>
<td>Matchless</td>
<td>5c</td>
<td>.90</td>
<td>3.00</td>
</tr>
<tr>
<td>Ponderosa</td>
<td>5c</td>
<td>1.00</td>
<td>4.50</td>
</tr>
</tbody>
</table>

MEDIUM CROP VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Oz.</th>
<th>1/4 lb.</th>
<th>1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Cherry</td>
<td>5c</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>Strawberry Ground</td>
<td>5c</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>Cherry or Husk</td>
<td>5c</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>Yellow Pear</td>
<td>5c</td>
<td>1.25</td>
<td></td>
</tr>
</tbody>
</table>

Tomato Plants

P.-W.’s Sunnybrook Tomato

Strong, sturdy transplanted stock of King of Earlies, New Stone and Marglobe varieties ready in May and June, Doz. 35c; 100 at 2.50, postpaid. Not prepaid, 25c per doz;

NOTE: We cannot send plants and other perishable items C.O.D. unless 50 cent payment accompanies order.

Aromatic, Medicinal and Pot Herbs

Most of the varieties of herbs thrive best on sandy soil and some are flavored when grown on that which is rather poor. In all cases the soil should be carefully prepared and well cultivated, as the young plants are of the most part delicate and easily choked out by weeds. Sow as early as the ground can be made ready, in drills sixteen to eighteen inches apart, taking pains that the soil is fine and pressed firmly over the seed, or they may be planted as a second crop—the seeds sown in beds in April and the plants set out in June. Most of them should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Oz.</th>
<th>1/4 oz.</th>
<th>1 oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anise (Pimpinella anisum)</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Caraway (Carum Carvi)</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Catnip (Nepeta cataria)</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Coriander (Coriandrum sativum)</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Dill (Anethum graveolens)</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Horehound ( Marrubium vulgare )</td>
<td>5c</td>
<td>10c</td>
<td></td>
</tr>
<tr>
<td>Lavender (Lavandula vera)</td>
<td>True</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sage (Salvia officinalis)</td>
<td>Common</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savory (Satureja montana)</td>
<td>Winter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thyme (Thymus vulgaris )</td>
<td>Broad-leafed English</td>
<td>5c</td>
<td>10c</td>
</tr>
</tbody>
</table>

Garden Sage Plants—Field Grown, 25c each; $2.50 per dozen.
ANNUAL BEDDING PLANTS

From our Centerville Greenhouses we are able to supply a complete selection of Bedding Plants—both potted and grown in flats. They are ready for planting out when warm weather begins, usually the latter part of April or in May in the Salt Lake Valley. The plants we offer are either grown from the choicest seeds or cuttings from select stock plants. They will surely please the most critical. (For Perennial plants see pages 75-83).

ANNUAL SEEDLING PLANTS
(Ready May 25 to June 15)

These are strong plants transplanted stock, flat grown, from choicest seed strains of the following varieties. Price—50c per dozen; $0.50 per 100. If by mail add 15c per dozen for postage and packing.

| Ageratum— Dwarf Blue          | Pentstemon—Mixed          |
| Ageratum— Variegated White    | Peonia—Dorming Mixed      |
| Aster—Mixed                   | Phlox—Drummond Mixed      |
| Candytuft—Mixed               | Scabiosa—Mixed            |
| Clarkia—Mixed                 | Salvia—Scarlet            |
| Cosmos—Mixed                  | Snapdragon—Mixed          |
| Larkspur—Mixed                | *Stock—10 weeks Mixed     |
| Lobelia—Dwarf Black           | *Verbena—Mixed            |
| Marigold— African Mixed       | *Zinnia—Mixed             |

* Marked varieties can be furnished in separate colors at same price.

POT GROWN PLANTS

These plants are grown from cuttings of selected stock plants. Ready from April 15 to June 15. Prices f.o.b. Salt Lake City. If wanted by mail add 10c each extra for postage. We recommend this shipment when possible.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each Doz.</th>
<th>25c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acaananthus— Red Foliage</td>
<td>2 1/2 in.</td>
<td>$2.00</td>
</tr>
<tr>
<td>Begonia— Assorted</td>
<td>2 1/4 in.</td>
<td>2.50</td>
</tr>
<tr>
<td>Coleus— Brilliant Colored Leaves</td>
<td>2 1/4 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Geranium— Double Assorted Colors</td>
<td>3 in.</td>
<td>3.00</td>
</tr>
<tr>
<td>Geranium— Varigated Leaved</td>
<td>3 in.</td>
<td>3.00</td>
</tr>
<tr>
<td>Geranium— Yarrow Leaved</td>
<td>3 in.</td>
<td>3.00</td>
</tr>
<tr>
<td>Geranium— Martha Washington</td>
<td>3 in.</td>
<td>3.00</td>
</tr>
<tr>
<td>Ice Plant— Dwarf Trailer</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Marguerite— White Daisy-Like</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Petunia— Giant Double Fringed</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Petunia— Giant Single Fringed</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Vinca— Varigated Leaved Trailing</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
<tr>
<td>Wandering Jew— Varigated</td>
<td>2 1/2 in.</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Summer Flowering Bedding Plants, Liberty Park, Salt Lake

P.-W.'S PANSY PLANTS

Without qualification these plants are excelled by none for beauty, variety of color and markings, grown with the utmost care from the world's best mixture of Pansy seed, it is not putting it too strongly when we say, "Positively there are none better." First bloom about April 1. Prices: Large plants in bloom, per dozen, 65c; 100 plants, $3.75; or 15c per dozen for postage.

Important—Plants sent by mail have but little soil left on roots, and should receive careful attention upon arrival. If they appear wilted, place in lukewarm water for an interval of ten to fifteen minutes. This will revivify them.

VEGETABLE PLANTS

We are able to supply the following varieties. For details see pages in Vegetable section.

Asparagus .... See page 51  Egg Plant See page 58
Cabbage        " 57  Horse Radish " 59
 Cauliflower    " 56  Onion " 66
 Celery         " 58  Pepper " 68
 Chives         " 51  Tomato " 71

P.-W.'S LARGE FLOWERING CANNAS

Canas are the most economical and effective plants until frost in all sections of the country, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be well-decayed manure of any kind thoroughly incorporated, and at all times freely watered. They are most effective when planted in masses of one variety, setting out the plants about two feet apart. They are also very effective and tough enough to be planted in the fall in February or March and transplanted out-of-doors in the middle of May when the weather is warm and settled. Do not water too freely until well started, then they should have an abundance. Plant 18 inches apart. We list below six of the best Canas in Mrs. Alfred Conard

One of the most popular varieties grown, one of the most effective. Very large salmon-pink. Green foliage. 4 feet.

P.-W.'S CANNA COLLECTION OFFER "A"—One strong dormant root each of above six varieties for 75c, postpaid.

Wandering Jew—Varigated

Cannas for Beds and Borders

P.-W.'S CANNA COLLECTION OFFER "B"—Six strong dormant root each of above six varieties for $1.50, postpaid.

King Humbert—Four feet. Scarlet flowers, bronze foliage; greatest favorite today. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. It is a cross between the orchid-flowering and the French or Croyz type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

President—Four feet. In color a rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong erect stalks well above the heavy foliage. Free-bloomer and strong grower.

Shenandoah—Four feet. Pink. Exactly like Mrs. Alfred F. Conard, except that the foliage is bronze.

Yellow King Humbert—Four feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red, measuring 5 to 7 inches across, individual petals 3 to 5/2 inches in diameter. An orchid flowering sport of the well-known variety king Humbert. Some plants will occasionally give a scarlet or scarlet-striped flower, which we consider an improvement rather than a defect.

Price—Dormant Roots Extra large size any of above, each, 15c; dozen, $1.50, postpaid. Not prepaid, $1.25 per dozen, $9.00 per 100.

Canna Plants—Strong, well established pot grown plants, ready in May. All of the above named varieties, each, 30c; dozen, $3.00; 100, $5.00. Plants all f.o.b. Salt Lake. We recommend express shipment.
MISCELLANEOUS SPRING BULBS

Apios Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a Wistaria; deep purple color; fragrant. Each, 15c; doz., $1.50; 25 for $2.50, prepaid.

Cinnamon Vine

(Boscocen Batatas)

A rapid growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves heart-shaped, bright glossy green; growth rapid. Each, 15c; dozen, $1.50, prepaid.

Lily of the Valley

(Convallaria Majalis)

American Pips (for outside planting)—Extra strong clumps, 50c each; $5.00 per doz. Pips, 25 for $1.00; 100 for $3.50.

Maderia Vine

One of the most popular climbers, succeeds in any location, doing best, however, in a sunny sheltered place; foliage very dense. Strong tubers. Each, 10c; dozen, 90c, prepaid.

Tuberose

The lovely white flowers are so fragrant that a few tips will perfume a room. The tips may be taken off as they expand, and if you do this gradually a few plants will provide for a long period. For open ground culture, plant in May or June in a warm location.

Double Dwarf Pearl—This is an improved strain of the Dwarf Pearl, bearing very heavy spikes of double flowers. Each, 8c; dozen, 75c; $5.50 per 100, prepaid.

Caladium (Elephant’s Ear)

Caladium or Elephant Ear

Plant in rich soil and give plenty of water. With such treatment a selected size bulb will make a plant about 4 feet high, with leaves 3 feet long and 20 inches wide. First size, large bulbs, each, 50c; dozen, $2.00; per 100, $15.00. Jumbo size bulbs—45c each; 3 for $1.25; dozen, $4.90.

Hardy Lilies

Hardy lily bulbs, carried over the winter in cold storage, may be planted in the spring, and will blossom in midsummer, when the garden needs their glory. All herbaceous borders should have a few lilies scattered through them. The sorts offered below can be planted with excellent results during the early autumn, for they get the benefit of the shade of the surrounding plants which should be planted in the autumn, and are offered in our autumn catalog.

Lilium Hansoni—The flowers are a deep orange-yellow shade, spotted brown. It grows 3 to 4 feet high, blooming during the latter part of June; the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 50c; per three, $1.40; dozen, $5.50.

Regal Lily

Umbellatum Erectum—Although the Umbellatum class through years of hybridization contains innumerable named varieties, at present we deem only one, Erectum, deserving a place in the garden. The flowers are blood-red and slightly or not at all spotted. Plant bulbs 8 inches deep. Each, 40c; dozen, $4.00; per 100, $27.50.

Aratum (Golden-banded Japan Lily)—Undoubtedly one of the finest. Its large, graceful, fragrant flowers are composed of six petals of a delicate ivory-white color; thickly studded with chocolate-crimson spots and streaked through the center a golden-yellow! 3 to 5 feet high. June to September. Plant bulbs 8 to 10 inches deep. Large flowering bulbs. Each, 40c; dozen, $4.00; per 100, $27.50.

Regalo (Myriophyllum)—This new variety from Western China is admittedly one of the most beautiful Garden Lilies yet introduced. It grows 3 to 5 feet high, and blooms out of doors in July. It is perfectly hardy and flourishes under very varied conditions, the large trumpet-shaped flowers, which are produced freely, are ivory-white, shaded pink, tinged with canary yellow at the base of the petals. Plant 8 inches deep. Strong flowering bulbs. Each, 50c; dozen, $5.00; per 100, $35.00.

Superbum—One of the most satisfactory Lilies that can be planted either in the garden or in meadows. Often grows over 8 feet high and produces 20 to 30 orange-red flowers in July when flowers are apt to be rather scarce. Plant bulbs 5 inches deep in moist peaty soil for best results. Each, 25c; dozen, $2.50; per 100, $18.00.

Tigrinum Splendens (Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Plant bulbs 9 inches deep. Each, 20c; 3 for, 50c; dozen, $2.00; per 100, $15.00.

Piprococles Librum (The Lance-Leaved Lily)—Thousands being grown each year in greenhouses. The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about 4 feet high and has fresh green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased and a late August and early September bloomer. Plant the bulbs 8 to 10 inches deep. First size, bulbs. Each, 45c; dozen, $4.50; 100, $35.00.
GLADIOLUS (Sword Lily)

A succession of bloom may be had from July to October by making planting two weeks apart to the end of June. To make a good show they should be planted from three to four inches apart each way, the large bulbs being covered about six inches deep, small ones from three to four inches. Six and over furnished at dozen rates; 25 and over 100 rates. Delivery Charges on all Gladiolus Are Prepaid at Catalogue Prices. All prices are based on first size bulbs, unless otherwise noted.

Anna Eberius—Dark velvety purple, throat deeper. Each, 7c; doz, 70c; 100, $5.00.

Baron Hulot—The only real blue Gladiolus on the market. Each, 8c; dozen, 80c; 100, $6.00.

Crimson Glove—Deep crimson blooms with a rich glowing sheen. Fine for garden display and for cutting. Each, 6c; doz, 60c; 100, $4.50.

Dr. F. E. Bennett—Pearl-red overlaid, with flame-scarlet, throat splashed with ruby and white. A very large, attractive red with plenty of vigor. Each, 15c; dozen, $1.40; 100, $10.00.

Evelyn Kirkland—Rose pink shading to pale pink, scarlet blotches on lower petals. Each, 5c; dozen, 50c; 100, $4.00.

Fey Lambhill—Large flowers with coral lustre and cerise breathing. Price, each, 8c; dozen, 80c; 100, $8.00.

Golden Measure—Very large, dark golden yellow, the heat in the rows. Each, 10c; dozen, $1.00; 100, $7.00.

Giant Nymph—a giant-flowered light rose-pink with creamy yellow throat. It contains some Primulina blood. Each, 7c; dozen, 70c; 100, $5.00.

Halley—Large open flowers of a delicate salmon pink, very early. Each, 5c; dozen, 50c; 100, $3.50.

L. Immature—Pure white. Each, 7c; dozen, 70c; 100, $5.00.

Le Marchal Foch—Rose-pink, resembling America in color but deeper. Each, 5c; dozen, 50c; 100, $3.50.

Los Angeles—Shrimp pink with orange-carmine throat. The color tone is one of unusual delicacy and so pleasing as to be greatly admired. Each, 6c; dozen, 60c; 100, $4.50.

Marshall Foch—Finest warm salmon pink with small red blotch in throat; generally flowering so much slightly ruffled. Each, 12c; dozen, $1.20; 100, $9.00.

Mrs. Frances King — A striking shade of scarlet. Each, 5c; dozen, 50c; 100, $3.50.

Mary Pickford—Creamy white throat, soft sulphur-yellow. Each, 7c; dozen, 70c; 100, $5.00.

Mrs. Frank Pendleton—A lovely salmon pink with brilliant deep red blotches in the throat. Each, 6c; dozen, 50c; 100, $3.75.

Mrs. Frederic C. Peters—Beautiful shade of rose-lilac, with crimson blotch hordered white on lower segment; resembling an orchid in color. Flowers are large. Each, 8c; dozen, 80c; 100, $6.00.

P.-W.'s PRIZE WINNER COLLECTIONS OF SIX SPECIAL MERIT GLADIOLUS

These collections contain Dr. F. E. Bennett, Mrs. F. C. Peters, Mrs. L. Immature, Mrs. E. H. Bothan, Leon Douglas, Golden Measure and Rose Glory.

(A) 2 Bulbs (of each) value $1.18 for ----------- $1.00

(B) 4 Bulbs (of each) value $2.36 for ----------- $1.75

(C) 6 Bulbs (of each) value $4.72 for ----------- $3.25

Ruffled Varleties

Crinkles—Attractively ruffled and crinkled, salmon pink. Each, 11c; dozen, $1.10; 100, $9.00.

Fern Kyle—A large ruffled flower of creamy white color, vigorous grower. Creates a sensation wherever shown. Each, 11c; dozen, $1.10; 100, $10.00.

E. J. Shaylor—Splendid new double pink, ruffled. Each, 7c; dozen, 65c; 100, $4.50.

Kunderdi Glory—Large, ruffled, creamy apricot with light tint of pink and fine markings of red on lower petals. Each, 10c; dozen, $1.00; 100, $7.00.

Orange Glory—Large ruffled, grand orange colored, with beautiful lighter throat. Very rich and striking color. Each, 10c; dozen, $1.00; 100, $7.00.

Purple Glory—Deepest velvety marooned, facing banded cushions of rose-purple with almost black throat. Beautifully ruffled. Each, 12c; dozen, $1.20; 60c, $8.00.

Rose Glory—A very large and beautifully ruffled varlet. Purest rose-pink color, deepest, cleanest, extra fine. Each, 8c; dozen, 80c; 100, $7.50.

Scarlano—Ruffled flower, excellent for cutting. The mammoth blooms are a bright orange-red color. Each, 11c; dozen, $1.00; 100, $7.00.

Styco Zang—Ruffled, clear salmon-pink blooms with a white throat faintly dotted with deep cerise. The blooms are large placed with three blossoms on each spike. Each, 7c; dozen, 70c; 100, $5.00.

White Glory—A gorgeous pure white of extra size. Nicely ruffled with faintly salmon blush, throat. Grand. Each, 10c; dozen, $1.00; 100, $7.00.

Primulina Type

Alice Tiplady—Orange-saffron. Each, 5c; dozen, 50c; 100, $3.50.

Maiden Blush—An exquisite pink with lighter throat. Very dainty flowers on spikes. Each, 5c; dozen, 50c; 100, $3.50.

Souvenir—One of the best yellow Prim. Large flowers of purest color. Each, 5c; dozen, 50c; 100, $3.50.


A COLORFUL GARDEN OF GLADIOLI FOR $1.00

A dollar never bought more of beauty than our Special Offer of 30 Flowering Size Bulbs of P.-W.'s Gladiolus Garden Mix, costing more than Five Varieties for $1.00. Rarely arc flowers of the highest merit the most easily grown and surest of success. But such is the case with Gladiolus, if there is room for a single flower in the garden it should be this.

30 BULBS; Flowering Size, not less than 6 Varieties, prepaid, for $1.00.

P.-W.'s Supreme Mixed—Our special mixture from the finest named and hybrid Grandavensis, Child's and European types. A well blended combination of all colors, shades and combinations. Dozen, 50c; 100, $3.50.
DAHLIAS

Plant when danger of frost is over. If possible plant in an open, sunny situation. Prepare the soil thoroughly by deep digging. Be moderate in the use of both manure and water. Never plant when soil is wet. Lay the tuber flat on its side and cover it four inches deep, pressing the soil firmly on the tuber. Keep the soil loose and mellow by frequent hoeing, drawing the soil to a slight hillock around the plant.

**P.-W.'s SPECIAL MERIT DAHLIAS**

**Amun Ra or The Sun God** —Wonderfully distinct both in color and formation, giant in size, and perfect in shape. The outer petals are of sorgeous copper and orange tones shading to gold and amber, deepening in the centre to a dark reddish brown, the effect as a whole being that of a gorgeous sunset. Each, 50c.

**Avalon (Decorative)** —Pure clear yellow, the large flowers are very distinct and pleasing in shape, always full to the center, and produced in great abundance on strong stems. This is a flower with every good quality. A remarkably good keeper when cut. Each, 75c.

**Champagne (Decorative)** —Aside of being one of the finest dahlias in existence, a real rose-pink of excellent conformation and borne on a wonderful stem. Each, 75c.

**Eleanor Vanderveer (Decorative)** —Rose pink, very large with excellent stem. A strong grower and free bloomer. Highly recommended for all purposes. Each, 75c.

**El Granada (Cactus)** —An extra large vivid orange bloom, and the petals twist and interlace, showing at the tips a creamy yellow reverse. A dahlia with splendid habits and perfect stems. Each, $1.00.

**Insulindle (Decorative)** —The finest dahlia of distinct form with petals twisted and curled. Stems are 2 to 3 feet long and flowers 9 to 10 inches across. Color, rich salmon-yellow, shaded russet-orange. Price, each, $1.00.

**Jersey's Beauty (Decorative)** —The most distinctive new dahlia shown in the East and the finest pink dahlia in existence, a real rose-pink of excellent conformation and borne on a wonderful stem. Each, 75c.

**Jessie Seal (Peony Type)** —Unique in color in the dahlia family, clear old rose. A pleasing and popular shade, very large. Each, 75c.

**Kittie Dunlap (Decorative)** —Color is that of the American Beauty rose. Stems long and strong, flowers large, petals broad with a slight tendency to roll. Each, $1.00.

**The "Kiwanlan" (Peony Type)** —Flowers are large and perfect in form, measuring 8 to 9 inches normally. Disbudded it will reach 11 to 12 inches. Among the very best of the peony type. Color, rich American Beauty red, shading to purple red. Height, 5 feet. Each, 75c.

**Le Grande Lilas (Peony Flowered)** —An immense royal purple twisted broad petals erect on strong stems often measuring 20 inches long. Each, 50c.

**"Kiwanlan" Dahlia**

**Lewis, Jr. (Cactus Hybrid)** —Large gorgeous velvet red, shading deeper to the center; outer petals curved and twisted, showing a violet blue on back. Perfectly formed, excellent bloomer. The stems are long and stout, making it a fine cut flower. A blue dahlia. Each, $1.00.

**Mariposa (Hybrid Cactus)** —A delightful shade of true pink which is intensified by a deeper center; a faint violet suffusion adds to the effect. The veining of the petals heightens the beauty and increases the novelty of the coloring. Each, $1.00.

**Mrs. I. De Ver Warner (Decorative)** —One of the finest dahlias ever introduced. A charming, deep mauve pink strong grower, producing its gigantic or cattleya (orchid) color. Extra blossoms freely and rigidly erect on long, cane-like stems. Each, 75c.

**Opifl (Decorative)** —One of the most beautiful dahlias yet introduced. Plants strong and sturdy, with many side branches. The flowers are of good size and of fine form, the petals are slightly relaxed giving a very pleasing appearance. In color a rich old gold, shading to amber. Each, $1.00.

**Pride of Fort Morgan (Decorative)** —Every one buying a new dahlia this season should include this fine specimen. It is a giant intense red, 9 to 12 inches across. Each, $1.00.

**Ninfea (Hybred Cactus)** —An early and profuse bloomer. Color, a soft lavender pink, shading to creamy white in center, its broad upturned petals greatly resembling a water- lily, from which it derives its name. A wonderful exhibition flower. Each, 75c.

**Radio (Decorative)** —Without a doubt one of the greatest dahlias ever originated. Can be grown 11 to 12 inches in diameter. Color, blood red, edged and tipped with yellow. Must be seen to appreciate beauty. Each, $1.00.

**Rosa Nell** —A grand decorative that has proven itself worth as the best for all purposes. The color is a pure bright rose, so rich, strong and rare, that in color it stands alone. Its keeping qualities are the best. Each, 50c.

**Tommy Atkins (Decorative)** —Well, here we have the richest gold scarlet, a color that alluring in the sunshine, an exhibition flower that always attracts attention, a giant size. Each, $1.00.

Discount Offer on P.-W.'s Special Merit Dahlias: 5% discount from above prices on your selection of any six or more, and 10% discount on any twelve or more.

**POMPON DAHLIAS**

These miniatures are very attractive for cut flowers.

- **Amber Queen** —Amber.
- **Joe Fette** —White.
- **Catherine** —Bright yellow.
- **Nelly Frazer** —Blush.
- **Deede** —Lavender.
- **Vivid** —Bright red.

Any of above, each, 25c; dozen, $2.50.

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Aman-Ra Dahlia

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Cactus Dahlias

Cactus Dahlias

Bertram S. Varian—A very brilliant deep scarlet, incurved form, good size. Each, $60c.

Bride’s Bouquet (Hybrid)—An ideal white profuse bloomer. Each, 50c.

Countess of Lonsdale—Color, an exquisite shade of salmon. Each, 25c.


Golden West—Stems long and rigid. Color, deep golden yellow. Each, 50c.

Tusui—The color is gorgeous—a beautiful velvety maroon. Each, 50c.

P.-W.’s SURPRISE BOX OF 13 CHOICE DAHLIAS

In this charming collection we will supply a “Baker’s Dozen” or 13 choice Dahlias. While they are unnamed there are no two alike. This collection is made up not from inferior sorts but those which we have in surplus, some of which are high priced. You will be agreeably surprised when these come into bloom. We are offering them at an unusually low price.

The Entire Collection of 13
All for $2.00; Postpaid, $2.25

P.-W.’s Dahlia Collection No. 3—Your selection of one each of any of six of the above named Decorative Dahlias, $2.25, postpaid.

Decorative Dahlias

Delice—its beautiful soft, yet lively color, a glowing rose pink. Each, 25c.

Eldorado—Immense golden-yellow blooms which stand up and look you in the face. Each, 50c.

Giant Ruby—Deep scarlet; an enormous flower with great depth. Extra good for exhibition. Each, 50c.

J. D. Long—Large flowers, a blending of autumn tints of salmon, pink, amber and bronze. Each, 50c.

Princess Juliana—Splendid pure white. Each, 25c; dozen, $2.50.

La Grosso Botanica—An enormous flower held straight upon strong stems and of a cerise self color. Each, 50c.

Miss Helen Hollis—Undoubtedly the largest deep scarlet Show Dahlia in existence. Each, 25c.

Mrs. J. P. Smith—The biggest ball show flower. Color, a rich red with cherry flush; great bloomer. Long, strong stems. Each, 50c.


The Rose—Very large; color similar to the American Beauty rose. Each, 25c.


Peony Flowered Dahlias

Dalid—Cream pink. Beautiful by day and simply grand under artificial light. Each, 25c.

The Oriole—A gorgeous combination of burnt orange, red and yellow with many of the flowers tipped white. Each, 50c.

Queen Esther—Beautiful deep red of enormous size, long, strong stems. Each, 50c.

Queen Wilhelmina—Fluffy, pure white. Each, 35c.

Romola Pizzani—Yellowish salmon, very large and free blooming. Each, 25c.

Sweetheart’s Bouquet—Unique shading of salmon-rose, shaded with white. Flowers large, stems extra long and wiry. Each, 50c.

Show and Fancy Dahlias

Dr. I. B. Perkins—Large, pure white, long stems, excellent. Each, 25c.


Miss Helen Hollis—Undoubtedly the largest deep scarlet Show Dahlia in existence. Each, 25c.

Mrs. J. P. Smith—The biggest ball show flower. Color, a rich red with cherry flush; great bloomer. Long, strong stems. Each, 50c.


The Rose—Very large; color similar to the American Beauty rose. Each, 25c.


P.-W.’s Dahlia Offer No. 5—Your selection of one each of any six of the above named Show and Fancy Dahlias for $1.50, postpaid.
DOUBLE PEONIES

Peonies will do well in almost any garden soil. The roots should be placed so that the crowns are covered with two or three inches of soil. Too deep planting is a frequent cause of shy flowering. Prices include postage.

Albert Crousse—Bomb type. Late, Shell pink. Center slightly flecked crimson. Large compact and vigorous. $1.25 each; $10.00 per dozen.

Baroness Schroeder—Rose type; late. White with shadings of fuschia. Very fragrant. $1.25 each; $12.50 doz.

Bertoiz—Large, bright currant red shaded amaranth. 75c each; $7.50 per dozen.

Duchesse de Nemours—Guard petals white, center lemon-yellow, cup-shaped, 50c each; $6.50 per dozen.

Duchess d’Orleans (Midseason)—Dark carmine-pink and salmon; bomb type; fragrant. 50c each; $5.00 per dozen.

Edulas Superba—This is the famous Decoration Day Peony. Color a beautiful clear pink, with silvery reflex. 50c each; $5.00 per dozen.

Felix Crousse—Large, ball-shaped bloom; very brilliant red. One of the finest self-colored varieties. 90c each; $9.00 per dozen.

Festiva Maxima—The finest white in cultivation. 50c each; $5.50 per dozen.

Grover Cleveland—Rose Type. Late. Dark Crimson. Very large and full. Tall. One of the best red varieties. $1.50 each.

Karl Schroeder—Large, globular, compact, semi-double type. Dark crimson. Midseason. Very fine. $1.00 each; $10.00 per dozen.

L’Etoilante—Bomb type, midseason. Flowers very double and full; color deep, brilliant velvety-crimson. 75c each; $7.50 per dozen.

Madame Leonie Caillot—Milky-white, flesh tinted flecked with crimson. Late midseason. 75c each; $7.00 per dozen.

Marie Jeanne—Midseason. Semi-double type, known as the “Water-Lily Peony.” Very interesting on account of its variable forms. Color is a most delicate flesh tint that gives way to lilac-white. Semi-double, blooms in profusion. $1.25 each.

Maxim, Jules Elite—Immensely globular, very full flowers. Color glossy lilac-pink, shading to deeper rose at base, the entire flower overlaid with a sheen of silvery hue. Early midseason. $1.00 each; $10.50 per dozen.

Officinalis Rubra—Extra early large globular brilliant crimson. The very popular old time “Finey” first of all in Peonies to bloom in the Spring. 75c each; $7.50 per dozen.

Officinalis Alba—Extra early large old-fashioned double white. 90c each; $9.00 per dozen.

Officinalis Rosa—Extra early double rose pink. Each 90c; $9.00 per dozen.

Philemone—Guards bright violet-rose. Center deep golden yellow, changing to amber-c Spear with small crown of bright rose-red flecked crimson. Midseason. Each 1.00; $10.50 per dozen.

Rubra Superba—Magnificent rich brilliant crimson. Very large, full, and double. Highly fragrant. Decidedly the best late red Peony. 75c each; $7.00 per dozen.

Unnamed Double Peonies—Separate colors, Red, White and Pink, at 90c each; $9.00 per dozen.

New Japanese Peonies

Akako (Japan)—Very large deep carmine flowers or uniform color. Clear even tone, fine form and immense in size. Huge center of saffron yellow petals. Fine grower and free bloomer. $4.00 each.

Mikado—Japanese; dark, brilliant crimson petals, center cushion of golden yellow petals; crimson edged, long, wiry stems; an exquisite flower. $3.50 each.

Fern Leaved Peony

Tenufolium—A very interesting variety. Its delicate fringed, fern-like foliage always attracts. Color, deep red. Blooms very early. Price, each, $1.00; $2.00 dozen.

P. W.’s “Big Six” Peony Collection

Here is a great acquainted selection of a half dozen best standard varieties as follows:

Festiva Maxima—White 1 Felix Crousse—Red
Duchess de Nemours—White and Yellow 1 Edulas Superba—Pink
Officinalis Rubra—Red 1 Albert Crousse—Pink

Regular value of above, $4.55.

Sale price, $3.50, postpaid.

Flag Irises (Germanica)

Avoid planting too deep, barely covering the rhizomes (creeping root stems) being sufficient. They are great drouth resisters. “S” refers to standards. “F” to falls.

Elderado — “S” fiery opalescent. “F” purplish gold, 30c each; $3.00 per dozen.

Fairy — “S” white, “F” fringed blue. 25c each; $2.50 per dozen.

Florentina—“S” white, “F” veined, violet, 25c each; $2.50 per dozen.

King of Iris— “S” clear lemon yellow, “F” rich maroon, bordered yellow. 25c each; $2.50 dozen.

Lohrgrin — Silvery mauve, both “S” and “F.” 35c each; $3.50 per dozen.

Phlox (Hardy Perennial)

Phlox are a garden in themselves, succeed in almost any soil and position, and flower freely for many years.

B. Comte, rich French purple.

Richard Wallace, white, changing to a pale blush with red eye.

Rheinlander, salmon pink.

Michael Buchner, pale lavender strong grower.

Mrs. Jenkins, pure white.

Price, any of above, each, 35c; dozen $3.50.

Ask for fall catalog by Hyacinths, Tulips, Narcissi, Hardy Lilies, etc.

These are supplied by us in great variety for fall planting. The Dutch Bulbs come to us in calf load lots direct from Holland’s most critical growers. Quality considered, we are not undersold in America. Ask for Free Fall Bulb and Seed Catalog issued in August.
Hardy Perennial Plants and Seeds

Perennials planted once are always there; the flowers become better as plants grow older. It requires more time for the plants to come to flowering size when seed is planted. Sow the seed outside in early spring or summer and transplant when plants are large enough to place where you wish them to flower. To those desiring bloom the first season we offer plants which will give such results—see prices below.

Alyssum (R)
(Madwort)
*Saxatile Compactum (Basket of Gold)—1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Seeds, pkt., 10c.
Argenteum—1 ft. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Seeds, 10c per pkt.

Anchusa

Anemone

Aquilegia (Columbine)
Canadensis (Turk's Cap) — Handsome scarlet and orange flowers. Pkt., 10c.
P-W.'s Long-spurred Hybrids Mixed—A wonderful mixture containing all the beautiful tints and tones and color combinations, hardly two being exactly alike. Pkt., 15c; ½ oz., 50c.
Double Flowering—All colors, mixed. Pkt., 10c.

Agrostemma
*Coronaria Varieties Mixed—Attractive Tree-Flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. 1 to 2 ft. June-September. Seeds, pkt., 10c.

Anthemis (Marguerite)
*Kelwayi (Hardy Marguerite)—2 ft. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Seeds, pkt., 10c.

Arabis (R)
(Rock Cress)
*Alpina—6 in. Useful for spring bedding and rockeries; pure white flowers. Seeds, pkt., 10c.

Hardy Asters
(Michaelmas Daisy)—Very showy late summer and autumn flowering plants, blooming in a riot of color, usually until snow. For the best results, they require division and replanting every second year. All are about 3 to 5 ft. high.

Blue Gem—Semi-double deep rich blue.
Mrs. Raynor—The nearest red.
Lady Lloyd—Clear rose pink.
Climax—Lavender, very showy.

Dwarf Alpine Aster (R)
Alpinus—Indispensable for the rockery or edge of hardy borders, grows 6 to 10 inches high, shows bluish-purple flowers in May and June. Pkt., 25c.

Aubrieta (R)
(Wall Creas)
Excellent dwarf spreading plants for borders, beds, or rock gardens, blooms early in spring.

Astilbe
(Perennials)
Of strong vigorous growth, producing many branched feathered heads of flowers during June and July. They succeed best in a half-shady moist position in any ordinary garden soil. Offer as follows:

Gruno—Salmon pink (4 ft.) 50c each.
Marguerite Van Rechteren—Red tinged blue (4 ft.) 50c each.
Salland—New fine red (6 ft.) 50c each.
Bellis Perennis
(Double Daisy)
Improved giant double-flowering, white and pink. Seeds, pkt., 10c; Plants, $1.00 per dozen.

Canterbury Bells
Calyxanthem (Cup and Saucer)— perennial— 2 ft. June to August. White, pink, blue, mixed colors. Each of the above, pkt., 10c.


Campanula Pyramidalis (Chimney Bellsower)— Mixed. 5-6 ft. Pkt., 10c.

Carpatica (Carpathian Harebell) (R) Compact tufts, not exceeding 8 inches high; blooming from June until October. For a hardy border or rockery unsurpassed. Seed, White or Blue, Pkt., 15c.

Centaura (Hardheads)
Good plants for the flower border or wild garden with thistle-like flowers. Blossom in July-August.


Chrysanthemum
Old-Fashioned Types—Double Aster-like flowers. Colors, Red Bronze, White, Pink and Yellow. (Plants only.)

Pom-Pom—Miniature types, White, Pink, Bronze, Yellow, Red. (Plants only.)

Japanese Types—These are the hardier early flowering selections from those mammoth indoor or greenhouse types. Yellow, Pink, Lavender and White. (Plants only.)

Coreopsis
Lanceolata Grandiflora— 2 ft. Large, orange-yellow flowers on long gracefully stems. About the best yellow cutflowers blooming incessantly. Pkt., 10c.

Semi Double Grandiflora— The best orange-yellow cut flowers. Are considered by many, more attractive than the single type; otherwise the same as "Lanceolata." Pkt., 15c.

Coreaton
After a few years trial, we have proved these to be quite hardy with ordinary protection. Large double flowers, in bloom all summer.

Grenadin, Mixed—Seeds, pkt., 15c.

*Double Mixed, Extra Choice— Seeds, pkt., 15c.

Coralbun
*Tomentosum (Show in Summer)— 4 in. Silvery white foliage, covered with snow-white flowers in early summer. Seeds, pkt., 15c.

Doronicum
Plantagineum Excelsum— Large bright yellow flowers and one of the most effective very early spring flowers. It is also a splendid flower for cutting, as it carves well and stands a long time; succeeds everywhere. Plants, 10c each; $1.00 per dozen; 50 seeds, 50c.

Digitalis
(FOXGlove)
These produce spires of blossoms, three to five feet high in June and July.

Gloxiniea—Flowers shaped and spotted like a gloxinia. Pink. Purple. Each, 10c.

Gloxiniea, Mixed Colors—Pkt., 10c.

Delphinium
(Hardy Larkspur)
Few plants are so handsome as the Double Larkspur. The most important are the tall hybrids, varying from 1 to 6 feet, and from the palest lavender through a conceivable shade of blue to deep indigo.

*Belladonna (Light Blue)— 3 ft.; flowers exquisite shade of turquoise blue. Pkt., 20c; 1-16 oz., 45c.

*Bellamomum—This is a dark blue of the Belladona type with which it is identical in habit and growth, freedom of bloom. Pkt., 20c.

Chinese (Chinese Delphinium)— Fine feathery foliage; profuse white or blue flowers from June until September. Excellent for beds, borders and cutting. Either White or Blue. Seed, pkt., 10c; 1-16 oz., 30c.

Gold Medal Hybrids—Height 6 feet Unquestionably one of the finest strain of mixed hybrids offered. Large flowers on spikes two feet and over, the majority running in the lighter shades of Blue. Mixed colors. Pkt., 25c.

P.-W.'s Wreuxham Hybrids
A wonderful type of Hardy Larkspur often referred to as the Hollyhock Strain because the stately spikes with their large, single, semi-double, and double blooms appear not unlike a spike of Hollyhock. Includes many colors. Pkt., 50c; 1-16 oz., $1.00. Plants, 35c each; $3.50 per doz.

Dianthus
(Hardy Pinks)
Deltoides (R) (Maiden Pink)— 8 in. Delicate pink blossom carried above fine feathery foliage. Seeds, 25c per pkt.

Plumariis—These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequaled for the borders. Very compact.


*Double Mixed—Fine for cutting. Pkt., 10c.

Dionofta
(Bleeding Heart)
Spectabilis—Its long racemes of graceful heart-shaped pink flowers are admired. Pkt., 10c. It perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, 60c; doz., $6.00.

Exima (R)—Plumy Bleeding Heart. Dwarf, 12 inches. Racemes of pendant pink flowers borne above fine cut feathery foliage. Plants, each, 40c; doz., $4.00.

Eryngium
(Sea Holly)
Plants grow 2 to 3 feet high. Flowers to September; useful to cut or dry for winter bouquets.

Amethystinum—The finely-cut spiny foliage, beautiful thistel-like heads of glistening amethystine-blue. Pkt., 10c.

Edelewiss (R)
Leopolodopium Alpinum—4-12 in. June-July. The flowers are of downy texture, pure silver-white and star-shaped. Successes in almost any soil with full exposure to sun. Seeds, 25c per pkt.

Euphorbia
*Polychroma—1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Grows into fine compact bush. Little known but very desirable. Seeds, pkt., 10c.

Ferns (R)
(Hardy)
Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. (Ready March 15).

Hardy Maidenhair Fern—1 ft. The best dwarf fern. Plants, 40c each.

Hardy Lady Fern—2 to 3 ft. Fine delicate fronds, will grow in sun if soil is kept moist. Plants, 40c each.

Hardy Ostrich Fern—3 to 4 ft. Stately, handsome dark green fronds. Plants, 40c each.

Feverfew (R)
(Matricaria)
Little Gem—A most useful border plant and valuable summer cut flower, with large double white flowers; June until October; 18 to 24 inches high. Pkt., 10c.

Funkia
*Plantain Lily
*Lanceolata—Valuable by reason of its late flowering, lilac flowers in September, 2 feet.

P.-W.'s PERENNIAL FLOWER PLANTS AND SEEDS—(Continued)
We furnish field-grown plants of the varieties marked (*) listed below. 25c each, $2.50 per dozen; $15.00 per 100. If by mail add 5c each; 30c per dozen, for postage and packing. Those marked (R) suitable for rock garden.
**Gaillardia**

Flowers in June, and continues the entire season. Height, 18-24 inches. *Grandiflora Mixed*—Composite flowers, variegated with shades of red and yellow. Pkt., 10c.

*New Hybrids*—Very large flowers, in a great variety of colors. Pkt., 25c.

**Geranium**

*Sanguineum*—A desirable plant; with pretty cut foliage and bright crimson flowers; blooms the entire season; 18 inches.

**Geranium**

*Atrocoecinum f. pl.*—Pretty border plants, growing about 16 to 18 inches high, and producing from May to July brilliant scarlet double flowers. Pkt., 15c.

**Grasses**

*Glyceria Argenteum* (Pampas Grass)—White plumes; blooms the second season; 5 feet. Pkt., 10c.

*Eulalia Zebra* (Zebra Grass)—Light green, barred with creamy white across foliage; 6 feet. Pkt., 10c.

*Variegata*—Long, narrow, green leaves, striped with white; fine feather plumes; 6 feet. Pkt., 10c.

*Pennisetum Japonicum*—One of the most valuable for the garden; making nice plants the first year; 4 feet. Pkt., 10c.

**Gypsophila**

*Paniculata Flora Pleno*—Improvement on the single-flowered type and more lasting; the flowers forming miniature balls of white petals. 9-10 ft. July-August. Not quite fixed, but about 95 per cent come true. Seeds, pkt., 25c.

*Paniculata* (Baby's Breath)—2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, pkt., 10c.

*Reopens* (R)—Dwarf white baby's breath. Splendid in rockery. Seeds, 15c per pkt.

**Hesperis**

*Matronalis*—Deliciously sweet-scented flowers for garden or cutting. 2-3 ft. June-August. Sow in Spring in boxes and transplant in April or May—or sow in the garden in April for later bloom. **White or Purple**—Pkt., 10c; 1/2 oz., 35c.

**Helenium**

*Giboshiros*—Dainty perennials allied to the *Helianthus* (Sunflower). Splendid and lasting as cut flowers. *Riverton Gam*—Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower red. 3 1/2 ft. Pkt., 15c.

**Helianthus**

(Hardy Sunflower)

Hairy, perennial Sunflowers flourish splendidly in any garden, city or country.

*Maximilian*—Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Pkt. 25c.

**Perennial Varieties, Mixed**—Pkt., 15c.

**Hemerocallis**

*Flava* (Yellow Day Lily)—The best known variety; very fragrant, deep lemon-yellow flowers in June and July, height, 2 1/2 to 3 feet.

**Hibiscus**

(Rose Mallow)

Shrub-like plants with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. August-September. Very hardy. Suitable for garden and indoor use when cut 3 to 5 feet high.


**Hollyhock**

One of the best hardy garden flowers. Makes a charming hedge or background to perennials. 6 to 8 ft. August-September.

*Double Varieties*—White, Maroon, Rose, Black, Salmon, Yellow, Crimson, Deep Red. Each, pkt., 10c.

*Double Mixture*—Finest shades in perfect flowers. Pkt., 10c.

*Singles Varieties*—Pink, Black, Flesh, Rose, White, Salmon. Mixed, each, pkt., 10c.

**Iberis**

(Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

*Barbaralis* (Pink Candytuft)—Pinkish white. Seeds, 10c per pkt.

*Sempervirens* (R)—Flowers from a sheet of whiteness. Seeds, 15c per pkt.

**Incarvillea**


**Heuchera**

(Alum Root)


**Lathyrus Latifolius**

(Everlasting Pea)

Very decorative climbing vines. Bloom all summer. 6 feet.

**Pink Beauty**—Pale pink variety. Seeds, pkt., 10c.

**Rubra**—Bright rosy crimson. Seeds, pkt., 10c.

**White Pearl**—Large-flowering white. Seeds, pkt., 15c.


**Lavandula**

(Lavender)

*Vera*—This is the true Sweet Lavender; grows about 18 inches high, delightfully fragrant blue flowers in July and August. Seeds, pkt., 10c.

**Latiaris**

(Blazing Star)

*Pycnostachya*—Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purplish flowers in July and August; 5 feet. Seeds, pkt., 10c.

**Lobelia**

Handsome plants, thriving in any ordinary garden soil, but preferring a moist, deep loam. Season Aug. till late September.

**Cardinalis** (Cardinal Flower)—2 ft. July-October. Tufts of bronze green foliage from which arise spikes of brilliant fiery scarlet flowers. Seeds, 15c per pkt.

PLANTS—Any of above varieties marked (R) *25c* per clump. *$2.50* per dozen; *$16.00* per 100. If by mail add 5c each; 30c per dozen for postage and packing. Varieties marked (R) are specially adapted for rock gardens.
We furnish plants of the varieties marked * listed below. Prices, except where otherwise noted—Field-Grown Plants: 25c each; $2.50 per dozen; $15.00 per 100. If by mail add 5c each; 10c per dozen, for postage and packing.

**Lunaria (Honesty)**—(See page 89)

**Lupinus**

Effective plants, producing large clusters of flowers; blooming in May and June. They require only well-prepared garden soil, preferably in a semi-shady location. 3 feet.

*Polyphyllus—Clear blue, Pkt., 10c.

**Lycnhs Campion**

*Chelone (Jerusalem Cross)—A most desirable plant, heads of brilliant orange-scarlet in June and July; grows 2 to 3 feet high. Pkt., 10c.

**Myosotis**


**Papaver**


**Oriental Red**—For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. 3 feet. Pkt., 10c.

**Oriental Hybrids, Mixed**—Pkt., 10c.

**Pentstemon**

(£ead Tongue)

The Pentstemons bloom persistently through the summer, and are found very useful for cut-flowers or for color masses in the garden. Easily grown in any garden soil.

*Large Flowering Newest Hybrids—Splendid assortment of colors. Seeds, pkt., 15c.

**Linaria (R)**

*Cymbalaria* (Keniworth Ivy, or Mother of Thousands)—Lavender and purple. Hardy trailing plant, suitable for baskets, vases, pots and rock work. Seeds, pkt., 10c.

**Dalmatica**—Large, bright yellow flowers, borne at the tops of branches in a loose spike; 3 to 4 ft. June-September.

**Linum**

(FLax)

*Perennia—A desirable plant for the border or rockery, growing 1 1/2 feet high, with bright graceful foliage and large blue flowers all summer. Pkt., 10c.

**Nepeta (R)**

*(Ground Ivy)*


**Physalis**

*Franchetti (Chinese Lantern Plant)—1 1/2 ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese lanterns. Seeds, pkt., 10c.

**Physostegia**

(False Dragon Head)

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty tubular flowers. Useful for borders, wild gardens and for cutting.


**Platycodon Grandiflorum**

*Polemonium* (Jacob's Ladder)

*Coeruleum* (Greek Valerian)—Two feet. Beautiful sky-blue s. Pkt., 10c.

**Grandiflorum Album**—Pure white. Pkt., 10c; 1/2 oz., 25c.

**Replas (R)*—8 to 10 inches, April to June. Dwarf, bushy plant of graceful growth. Showy blue flowers. Pkt., 15c.

**Primula**

*(Primrose)

These are among our most delightful spring flowers. Good for shady spots and Rock Gardens.

*Auricula—6 inch. Flowers in early spring in colors of yellow, brown and red. Pkt., 10c.

*Veris (Elatior) (Grandiflora)—The pale yellow Delph, bearing flowers in umbels. An extra choice, large flowered mixture strain. Pkt., 20c.

**Pyrethrum**

(Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

*Roseum, Double Mixed—Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.

**Rudbeckia**

(Cone Flower)

The Rudbeckias are very decorative plants for shrubbery, borders or side of auto drives, thrives in any good garden soil.


*Laciniata ft. pl. (Golden Glow)—July-October. Yellow. 5 to 7 feet. 1 pkt. of 20 seeds, 25c.

**Purpurea Grandiflora**—3 ft. Septem-ber; large handsome crimson-crimson-purple flowers with dark central disc. Pkt., 15c.
P.-W.'s PERENNIAL FLOWER PLANTS AND SEEDS—(Continued)

We furnish plants of the varieties marked * listed below. Prices, except where otherwise noted—Field-Grown Plants: 25c each; $2.50 per dozen; $15.00 per 100. If by mail add 5c each; 30c per dozen, for packing and postage.

Plants—Any of above varieties marked * 25c per clump; $2.50 per dozen; $15.00 per 100. If by mail add 5c each or 30c per dozen for packing and postage. Varieties especially adaptable for Rock Gardens are marked (R) immediately after the name.

**Stokesia** (Stokes Aster)
*Cyanea*—1½ inches July-October Flowers rich blue, like a giant cornflower, very distinct. Seeds, pkt., 10c.

**Thalictrum** (Meadow Rue)
Aquilegiolium — Graceful foliage like that of Columbine, and rosy purple flowers from June to July. 2 to 3 feet.

**Tritoma** (Torch Lilly, Flame Flower, Red-Hot Poker)
Grandis (Pfitzer)—Orange-scarlet 3 ft. August-September. Seeds, pkt., 15c. Plants, each, 35c; doz., $3.50; 100, $25.00.

**Tunica** (Coat Flower) (R)
Saxifrage—A pretty tufted plant with light pink flowers, produced all Summer. Useful either for the rockery or the border. Pkt., 10c.

**Stokesia** (Stokes Aster)
*Cyanea*—1½ inches July-October Flowers rich blue, like a giant cornflower, very distinct. Seeds, pkt., 10c.

**Thalictrum** (Meadow Rue)
Aquilegiolium — Graceful foliage like that of Columbine, and rosy purple flowers from June to July. 2 to 3 feet.

**Tritoma** (Torch Lilly, Flame Flower, Red-Hot Poker)
Grandis (Pfitzer)—Orange-scarlet 3 ft. August-September. Seeds, pkt., 15c. Plants, each, 35c; doz., $3.50; 100, $25.00.

**Tunica** (Coat Flower) (R)
Saxifrage—A pretty tufted plant with light pink flowers, produced all Summer. Useful either for the rockery or the border. Pkt., 10c.

**Stokesia** (Stokes Aster)
*Cyanea*—1½ inches July-October Flowers rich blue, like a giant cornflower, very distinct. Seeds, pkt., 10c.

**Thalictrum** (Meadow Rue)
Aquilegiolium — Graceful foliage like that of Columbine, and rosy purple flowers from June to July. 2 to 3 feet.

**Tritoma** (Torch Lilly, Flame Flower, Red-Hot Poker)
Grandis (Pfitzer)—Orange-scarlet 3 ft. August-September. Seeds, pkt., 15c. Plants, each, 35c; doz., $3.50; 100, $25.00.

**Tunica** (Coat Flower) (R)
Saxifrage—A pretty tufted plant with light pink flowers, produced all Summer. Useful either for the rockery or the border. Pkt., 10c.

**Vinca** (R)
Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

**Minor** (Grave Myrtle)—4 in. June, Green foliage, large blue flowers. Plants, 30c each; Doz., $2.00; 100 $15.00. Seeds, pkt., 10c.

**Viola** (Viola) (R)
Single—Deep blue, single violet seeds, pkt., 10c. Plants, 20c each; $2.00 doz.; $12.00 per 100

**Yucca** (Adam's Needle)

1-year Plants, 25c each; $2.50 doz.
2-year Plants, 50c each; $5.00 doz.

**Rupinopsis**—A fine rock plant 3 to 4 inches high; thickly matted deep green foliage, a cloud of bright blue flowers. May. Pkt., 10c.

**Rupinopsis Nana** (R)—Prostrate and creeping, forming a dark green carpet of shiny foliage which is covered with deep blue flowers in late April and early May; 1 inch high; one of the best early blue rock plants known. Pkt., 15c.

**P.-W.'s Surprise Collection of Perennial Plants**

No. 35—A truly fascinating collection of carefully selected hardy plants all labeled. We include such well known favorites as Delphinium, Phlox, Aquilegia, Pyrethrum, and choice specimens of many good varieties in which we grow in large quantities. At least 15 different varieties in each "Surprise" collection. Our selection of varieties and all properly labeled, including 25 choice plants, all for $4.00 prepaid.

**Scabiosa** (Pincushion)
*Caucasica* Perfecta — Light blue flowers on long stems; Fine for cutting. 15 in. June. Seeds, pkt., 10c.

**Shasta Daisy**

**Statice** (Seavavender)
Large spreading panicles of light graceful flowers, much prized for winter decoration; dried.

**Latifolia**—2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.

**Sweet William** (Dianthus Barbatus)
Johnson's Giants—The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Pkt., 15c.

**Single Giant-Flowered Mixed** — Pkt., 10c.

**Double Giant-Flowered Mixed** — Pkt., 15c.

**Separate Colors**—Single pink and red. Pkt., 10c.
P.-W.'s ANNUAL FLOWER SEEDS

All the Best Flowers for 1931

The term "Annual" is applied to those flowers which bloom from seed the first season and last but one year. For perennial flowers see pages 78-83.

Cultural leaflets on Annuals will be sent free on request. Ask for them when ordering.

All our Flower Seeds are delivered anywhere in the United States. Our packets contain a liberal quantity of seed.

AIDS IN SELECTING ANNUAL FLOWER SEEDS FOR SPECIAL PURPOSES

BACKGROUND AND BORDERS

Large Showy Annuals
Arctotis Grandis
Celosia Plumosa
Clarkia
Cosmos
Larkspur

Dwarf Sorts
Alyssum (Hardy)
Agapanthus
Candytuft (Hardy)
Carnation

EDGING WALKS, ETC.

Ageratum
Alyssum
Aster, Dwarf
Candytuft
Dusty Miller (Centaurus)

LOBELIA COMP.

PLANTS SUITABLE FOR POTS that may be grown from seeds

Ageratum
Antirrhinum (Dwarf)
Begonias
Carnation

FOLIAGE

Amaranthus
Canna
Colesus

CUITING

Acroclinum
Antirrhinum
Calendula
Callipogon
Carnation
Centaeora
Chrysanthemum
Cosmos
Dahlias
Dianthus
Eschscholtzia
Larkspur
Marigold
Matricaria

BEDS AND MASSING

Alyssum
Ageratum
Antirrhinum
Aster
Balsam
Celendula
Carnation
Candytuft
Celosia
Chrysanthemum
Convolvulus

PARTLY SHADY PLACES

Antirrhinum
Begonias, Tubers
Lace Flower

DROPPING PLANTS FOR VASES, HANGING BASKETS, VERANDA, BOXES, ETC.

Alyssum
Lobelia
Petunia

BORDER OF ANNUAL FLOWERS

Arranged for continuous bloom throughout the summer and autumn months, these will not only be a feature in the garden, but will also furnish an abundance of cut-flowers for the house.

BORDER No. 2. An attraction in the garden and a place where you will not be disappointed when you want flowers for outing.

1. Giant, Zinnias, Orange
2. Cosmos, Giant Early White
3. Larkspur, Giant Hyacinth-fl., Lilac
4. Helianthus cucumerifolius
5. Larkspur, Giant Hyacinth-fl., Blue
6. Cosmos, Giant Early Pink
7. Helichrysum, Assorted
8. Scabiosa, Azure Fairy
9. Chrysanthemum, Mixed
10. Salpiglossis, Mixed
11. Callipogon, Golden Wave
12. Giant Zinnia, Salmon-Pink
13. Aster, Pink Crego
14. Gallardia, Giant Double Mixed
15. Cornflower, Double Blue
16. Calendula, Lemon Queen
17. Zinnia, Dwarf Fumilla Dble Old Rose
18. Lupinas, Assorted Annuals
19. Aster, King Violet
20. Phlox Drummondii, Brilliant
21. Petunia, Violacea
22. French Marigold, Gold-striped
23. Dianthus laciniatus splendidus
24. Candytuft, Giant Hyacinth-fl.
25. Verbenas, Mammoth Mixed

25 Packets, one each of above Choice Annuals (Regular Value $2.50) for $2.00, postpaid.
**ASTERS**

During the late summer and early fall the garden is usually a riot of reds and yellows, so the Asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered, however, in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.

**New California Giant**

_Tall Section_ 16 Inches and up

**New California Giant Branching Asters** A splendid new mid-season to late flowering strain, the result of years of pains-taking selecting by one of California's leading hybridizers; plants grow 3 to 3½ feet high with strong stems 18 to 24 inches in length bearing beautifully formed tufted and interlaced flowers 5 inches and over across. We offer the following colors: Lavender Blue, Peach Blossom, Pure White, Purple Violet, Rich Rose. Finest Mixed.

Any of the above—Pkt., 15c; ¼ oz., 75c.

**American Beauty** Similar in type of flower and growth to the Giant Branching Asters, but blossoms are produced on much longer and heavier stems. The flowers are fully double.

White, Carmine-Rose, Purple, Lavender, September Beauty, Rose Pink. Each of the above, Pkt., 15c; any 3 pkts., for 25c; ¼ oz., 75c.

Mixed all colors—Pkt., 15c.

**Giant Crego** The flowers measure four to five inches in diameter, and are borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed.

White, Shell Pink, Rose Pink, Crimson, Lavender, Dark Blue, Purple.

Each of the above, Pkt., 10c; any 3 pkts., for 25c; ¼ oz., 60c.

Mixed all colors—Pkt., 10c.

**P.-W.'s Giant Branching Beautiful cut flowers. The branching habit is accompanied with great vigor of growth and profusion of bloom.**

White, Peach Blossom, Flesh Pink, Rose Pink, Crimson, Blue, Lavender, Dark Violet, Purple.

Each of the above, Pkt., 10c; any 3 pkts., for 25c; ¼ oz., 50c.

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

**Ostrich Feather** The finest type of the Giant Comet, or Ostrich Feather type of Aster.

White, Soft Pink, Lavender, Rose, Crimson, Silvery Lilac, Light Blue, Dark Blue.

Each of the above, Pkt., 10c; any 3 pkts., for 25c; ½ oz., 50c.

Mixed, all colors—Packet, 10c.

**Sunshine Asters—** This pretty anemone-flowered variety is of great value either in beds, borders or for cutting; plants grow about 18 inches high, the dainty flowers held erect on good stems. The mixture offered contains a splendid range of delicate colors. 15c per pkt.; ½ oz., 60c.

**Acroclinium**

Roseum—2 feet. A pretty everlasting, bearing daisy-like flowers, pretty bright rose with yellow center, which can be dried. Pkt., 10c; ¼ oz., 35c.

Double Mixed—¼ oz., 30c; Pkt., 10c.

Single Mixed—¼ oz., 35c; Pkt., 10c.

**Agapanthus**


**Allysum**

Benthami Martimum (Sweet Alyssum)—This is one of the finest annuals for edging and is beloved on account of its modest blossoms. Flowers white and honey scented. It begins to bloom early in the season, and continues until frost. Ox, 25c; ¼ oz., 15c; pkt., 10c.

**Little Gem**—The plants are only a few inches high, and are completely covered with snowy-white blossoms. ½ oz., 40c; ¼ oz., 55c; pkt., 10c.

**Compactum Lilacinum**—Distinct variety with delicate lavender flowers. Pkt., 10c; ¼ oz., 35c.

**King Aster**

The habit is similar to the popular Giant Branching. In form the flower is entirely distinct; petals somewhat resembling the quilled varieties, but are much larger and broader.

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

**Queen of the Market**—The best early aster, usually in full bloom two weeks before most other sorts begin to bloom.

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

**Aster, Dwarf Mixture**—This is a mixture of many varieties of dwarf asters and where a large mixed bed of Asters is desired this will answer the purpose nicely. ¼ oz., 25c; Pkt., 10c.

**American Astermum** An attractive and descriptive name for a new race of asters which belong to the Comet family.

Mixed, all colors—Pkt., 10c; ¼ oz., 50c.
Ageratum
One of the best summer blooming plants grown from seed, providing rare shades of blue.
Album—White. Pkt., 10c; ¼ oz., 25c.
Nanum, Blue Perfection—9 inches. The darkest Ageratum grown from seed. Pkt., 10c; ¼ oz., 25c.
Little Blue Star—4 to 5 inches. Miniature bushes covered with clusters of flowers opening light blue with purple center and developing to a bright blue self. Pkt., 15c; ¼ oz., 50c.
Ammobium
Grows—(lowers white to pink). Miniature seed. The lowest is \( \frac{1}{4} \) inch. 25c. Pkt., 25c.
Amaranthus
Capensis (Summer Forget-me-not)—2 feet. A hardy annual which grows two feet high, branching freely and bearing a profusion of lovely flowers similar to the Forget-me-not, though much larger and of finer color. Pkt., 10c; ¼ oz., 50c.

Arctotis Grandis
(African Daisy)
A handsome annual which forms branched bushes 2 to 3 feet high; its flowers are large, pure, white on the upper surface, the reverse of petals pale lilac-blue. Pkt., 10c; ¼ oz., 25c.

ANTIRRHINUM
Snapdragon)
For gorgeous coloring few flowers can match Snapdragons; easily raised from seed in any rich, sunny bed.
New Tall Maximum
36 to 48 inches.
The newest creation in Giant Snapdragons, and in a marked advance over the older Tall Flowered type in size and brilliance of color. The flowers are closely placed on the stems, each bloom measuring 2 to 3 inches across. Pkt., 10c; ¼ oz., 35c.
Apple Blossom—Delicate pink.
Copper King—Velvety copper-scarlet.
Defiance—Brilliant scarlet.
Fairy Queen—Terra cotta.
Old Gold—Deep golden-yellow.
Purple King—Rich purple.
The Rose—Rose pink.
Wallflower—Burnt orange and copper-red shades.
Snowflake—Pure snow-white.
Each of above, Pkt., 15c; ¼ oz., 35c.
Giant, Flowered—Mixed. All the above and others. Pkt., 15c; ¼ oz., 30c.

Semi-Dwarf Varieties
This class of plants grows about 18-20 inches high and are splendid for mass effects in the garden. The stems, while not as long as those of the tall growing sorts, are very desirable as cut flowers for small vases.
All Colors Mixed—Pkt., 10c.

Double Balsam
(Lady Slipper)
An old favorite garden flower, producing its gorgeous masses of brilliant double flowers in profusion. Balsams like the hot sun, rich soil and plenty of water.
Double Rose and Camellia-flowered Mixed—Pkt., 10c; ¼ oz., 25c.
Invincibles Mixed—Mixed from separate colors and includes everything that is desirable in Balsams. Pkt., 15c; ¼ oz., 45c.
Dwarf Mixed—8 inches, perfect little bush with double and semi-double flowers. Pkt., 10c; ¼ oz., 30c.

Tom Thumb Varieties
Height 8 inches. For edging and pot plants. Pink, white and scarlet. Each of the above packages, 10c; 3 ptkts., 25c; ¼ oz., 30c.
Candytuft

They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted.

Giant Hyacinth-Flowered White—1 foot. A grand border plant, bearing very large, bold clusters of snowy white flowers, habit sturdy and compact Pkt., 10c; ½ oz., 30c.

Dwarf, Hybrids, Mixed—Plants of fine, compact growth, covered with large flowers in color from rose, salmon, coral-pink and delicate blush to lilac and purple crimson. Pkt., 10c; ½ oz., 30c.

Mixed, all Colors—Pkt., 6c; ½ oz., 20c.

Chrysanthemum, Annual

Annual Chrysanthemums or Painted Daisies are showy and effective garden favorites, extensively grown for cut flowers. About 2 feet high.

Mixed Single—Pkt., 10c; ½ oz., 20c.

Double Mixed—Pkt., 10c; ½ oz., 20c.

Calliopsis

(Tickseed)—6 inches to 2 feet. Very graceful border plants, supplying throughout the summer an abundance of showy flowers of yellow, orange and dark brown variations. Will thrive anywhere.

Crown of Gold (Coronata Maxima)—Splendid cut flower. Pure golden yellow 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c; ½ oz., 35c.

Drummondii Golden Wave—3 feet. Flowers yellowish with a circle of rich crimson-brown around the eye. Pkt., 10c; ½ oz., 20c.

Tall Varieties, Mixed—Valuable for wild gardens, and for cutting. Pkt., 5c; ½ oz., 20c.

Dwarf Varieties, Mixed—Valuable for small mixed beds and borders. Pkt., 5c; ½ oz., 25c.

Double Mixed, all Colors. Pkt., 10c; ½ oz., 20c.

Canary Bird Vine

10 to 20 feet

A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. Does well in the shade. Pkt., 10c; ½ oz., 25c.

Cardinal Climber

25 feet

A very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. Pkt., 25 seeds, 15c.

Plants of the Hardy Chrysanthemums together with seeds and plants of a selected list of other beautiful hardy perennial flowers will be found on pages 78-83 inclusive.

Celosia (Coxcomb)

Crested Dwarf Sorts

President Thiers—Fine dwarf habit, with bronze foliage, and large handsome velvet crimson combs. Pkt., 10c; ½ oz., 40c.

Dwarf Mixed—Pkt., 10c; ¼ oz., 50c.

Plumosa or Plumed Varieties

2½ to 3 feet

They form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

Plumosa Mixed, all Colors—Pkt., 10c; ¼ oz., 50c.

Pride of Castle Gould—Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c; ¼ oz., 65c.

Chinese Woolflower (Celosia Chilensis)—Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Pkt., 10c; ¼ oz., 40c.

Cosmos Single

Clarkia

2 feet

Clarkias are summer annuals perfectly hardy, and can be grown in ordinary soil.

Apple Blossom—Double apple blossom, pink.

Brilliant—Double salmon scarlet.

Queen Mary—Double rose carmine.

White Prince—Very double, pure white. Each of above, Pkt., 10c; ¼ oz., 30c.

Standard Mixture—Made up especially from the above named varieties. Pkt., 10c; ¼ oz., 30c.

Cobaea

Scandens Cathedral Bells—30 feet. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. Pkt., 10c; ¼ oz., 15c.

Coleus

The handsomest foliage plant obtained from seed. The leaves are heart-shaped and handsomely crimped toothed and frilled; their color combinations are remarkably rich. Pkt., 25c; 1/32 oz., $1.00.

New Cosmos (Hollywood Star)

COSMOS

4 to 6 feet

Hollywood Star—This new variety is a graceful oddity, which attracts great attention. The flowers are pink, red and white, borne on long stems. On account of being so unusual and striking, it is in great demand. Pkt., 35c; ½ oz., 50c.

Early Flowering Mammoth—These are recommended for planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost.

White, Pink, Crimson. Mixed, all colors. Each of the above, Pkt., 10c; ¼ oz., 20c.

Late Giant Flowered—Crimson, White Lady Lenox, Pink Lady Lenox, Giant Mixed. Each of the above, Pkt., 10c; ¼ oz., 20c.

Late Double Flowered—These differ from the other cosmos in the formation of the center of the flower, which develops a crown or cest, like an anemone, the guard petals remaining the same. Crimson, White Queen, Pink Beauty, Mixed—Each of the above, Pkt., 10c; ¼ oz., 25c.

Double Early Flowering—These grow to a height of about three feet forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed. Rest mixed. Pkt., 25c; ¼ oz., 75c.

Double Cosmos, Anemone Fi.
Cyclamen
(Alpine Violet)—1 foot
Charming house plants, with beautiful foliage and rich colored, fragrant flowers. May be successfully raised from seed with a little care and patience.

Giant Flowered Cyclamen—Mixed extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, $1.20.

Dahlias
One of the best late summer and autumn flowering plants, and now enjoying a wide popularity, as easy to grow from seed as Nasturtiums; the double sorts will bloom the first season if the seed is sown before the beginning of April; the single sorts will bloom from seed sown in the open grounds as late as June, although an earlier start is better.

Double All Types, Best Mixed—Pkt., 15c; 1/4 oz., 50c.
See pages 75-76 for Dahlia Roots.

Dimorphotheca
(African Golden Daisy)

Aurantiaca—An extremely showy annual daisy from South Africa, which suits our climatic conditions perfectly. The hushy plants grow 12 to 15 inches high. The flowers, which are 21/2 inches and over across, are a unique, rich, glossy orange-gold, with dark disc and halo. They bloom the greater part of the summer and fall.

1/4 oz., 40c; pkt., 10c.

Erysimum (Fairy Wallflower)
Perforation (Orange Bearty)

A pretty annual, growing about 18 inches high, bearing throughout the summer dense racemes of brilliant orange-yellow Wallflower-like flowers a rather unusual color in annuals. It is of the simplest culture. Sow the seed in the open ground in spring and give it a sunny position; 1/4 oz., 20c; pkt., 10c.

Everlastings

Winter bouquets of your own growing make an attractive present for a friend, besides supplying a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, hang in a row in a warm, dark, dry room. They will dry thoroughly in ten days.

Collection of one pkt., each of eight leading annual everlastings for 65c.
Escholtzia (California Poppy)

Eschscholzia (California Poppy)—1 foot

The State flower of California, a bright free-flowering plant of low spreading growth with finely cut silvery foliage. Sow the seed where the plants are to remain.

Carmine King—Beautiful carmine rose color, both on the interior and exterior of the flower. Pkt., 10c; ½ oz., 35c.

Golden West—Flowers bright yellow and orange, penciled and blotched. Pkt., 5c; oz., 30c.

Mandarin—Inner side of the petals rich orange, the outer side brilliant scarlet. Pkt., 10c; ½ oz., 35c.

Mixed all colors—Many shades. ½ lb., $1.00; oz., 35c; pkt., 10c.

Double and Semi-Doubled Mixed—Pkt., 10c; ½ oz., 30c.

Euphorbia

Variegata (Snow on the Mountain)—The flowers are inconspicuous; the foliage, however, is attractive; veined and margined with white; 2 feet. Per ½ oz., 20c; oz., 50c; pkt., 10c.

Gaillardia

(Blanket Flower)

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating, or easy culture, sow where they are to remain.

Amblyodon—Deep red. Pkt., 10c; ½ oz., 40c.

Pera Single Mixed—Pkt., 10c; ½ oz., 25c.

Lorenziana Double Perfection Mixed—Large handsome heads of double quilled flowers in rich shades of red and yellow. Pkt., 10c; ½ oz., 25c.

Godetia

1½ feet

The plants bloom profusely and bear showy flowers of satiny texture in a rather poor soil.

Many Sorts and Colors Mixed—Pkt., 10c; ½ oz., 25c.

Double Mixed—Pkt., 10c; ½ oz., 35c.

Dwarf Sorts Mixed—Neat globular, about 10 inches in height. Pkt., 10c; ½ oz., 35c.

Gomphrena

(Globe Amaranth)

A showy annual everlasting with clover-like heads.

Mixed all colors—Pkt., 10c; ½ oz., 25c.

Grasses

Ornamental Annual Mixed—2 to 5 feet. These are most useful for winter bouquets when combined with everlasting flowers. They are easily grown in any soil. Pkt., 10c; ½ oz., 30c.

Helichrysum

(Streifen)

Helichrysums are an ornament to the garden when growing and are everywhere prized for the winter bouquets.

Mixed all colors—Pkt., 10c; ½ oz., 25c.

Heliotrope

Favorite on account of its delightful fragrance. Seed sown in the Spring makes fine plants for bedding out and are as easily grown as Verbenas.

Mammoth Mixed—Large flowers, ranging in shade from dark blue to lilac. Pkt., 10c; ½ oz., 30c.

Hollyhocks

(Annuals)—5 feet

These annual kinds, however, bloom the first year.

Everblooming Single Mixed—Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c; ½ oz., 40c.

Everblooming Double Mixed—Double and semi-double. Pkt., 10c; ½ oz., 35c.

Hunnemannia

Fumariaefolia (Bush Escholtzia, or Yellow Tulip Poppy)—½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of carmine, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blossoms keep in water two weeks or more. Pkt., ½ oz., 25c.

Kochia

The New Giant (Summer Cypress, Burning Bush)—Grows 2 to 2½ feet high and resembles a close-clipped ornamental evergreen. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc., ½ oz., 30c; pkt., 10c.

Lantana

Hybrida, Mixed—2 ft. Shrubby plant with Verbenae-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in Autumn. They have an agreeable aromatic perfume. Pkt., 10c; ½ oz., 30c.

Larkspur

(Annual Delphinium)

Sow seed in the open border either in early spring or late fall so germination may take place very early.

New Larkspur "Los Angeles"—This new variety is much more vigorous and taller growing than the other stock flowered types on the market. It is a very profuse bloomer, forming large double flowers well placed on the long stems to set off its attraction. It is resistant to mildew, thrifty and vigorous.

It is an excellent cut flower, particularly lovely under artificial light. Color is rich salmon ground, overlaid with brilliant pleasing rose, foliage is dark green which adds to the attractiveness of the large double flowers. Every flower lover will be delighted in trying out this new novelty. (See packet cover for color illustration).

Packet, 25c each; 5 pkts. for $1.00.

Larkspur Double Stock—Flowered (2½ to 4 ft.) Graceful and attractive in the garden and wonderful cut flowers. Dark Blue, Exquisite Pink, Lilac, Carmine, Sky Blue and White.

Each of the above, pkt., 10c; ½ oz., 30c.

Mixed, all colors—Oz., 70c; ½ oz., 20c; pkt., 10c.

Lupinus

Annual Mixed—Pkt., 10c; oz., 30c.

Gypsophila

Gypsophila Elegans Grandiflora Alba (Angel’s Breath)—Two feet. This is an improved, large flowering, pure white form of the annual Angel’s Breath; of free, easy growth. Several sowings should be made during the season to keep up a supply. Combine with sweet peas they make pretty bouquets. Pkt., 10c; oz., 25c.

Elegans Delicate Pink—A pretty blush pink form of the above, and equally as valuable for cutting; 18 inches. Pkt., 10c; oz., 30c.

Gourds

Twenty feet. These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season, and the blooms of some are quite striking and handsome.

Small Fruited Varieties, Mixed—Pkt., 10c; oz., 25c.

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Each of the above, pkt., 10c; ½ oz., 30c.

Mixed, all colors—Oz., 70c; ½ oz., 20c; pkt., 10c.

Lupinus

Annual Mixed—Pkt., 10c; oz., 30c.
Lunaria (Honesty)

Annuum (Biennnis) (St. Peter's Penny) —Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Pkt., 10c; ¼ oz., 25c.

Linum

Glandiflorum Rubrum (Crimson Flax) —2 ft. One of the most brilliantly colored of summer annuals, flowers blooming crimson-red. May be had in bloom from May to October by successive sowings. Pkt., 10c; oz., 30c.

Lobella Eulinus Compacta

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

Crystal Palace Compacta — 6 in.

Rich deep blue; dark foliage; the finest dark blue for bedding. ⅛ oz., 50c; Pkt., 10c.

Graoolie—Light blue; light green foliage; trailing. ¼ oz., 40c; Pkt., 10c.

Mixed Dwarf—Pkt., 10c; ¼ oz., 40c

NASTURTIUMS

Nasturtiums

Lavatera

2½ feet

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom.

Splendene Alba—Very large, silky, pure white flowers. Pkt., 10c; ¼ oz., 25c.

Splendene Rosea—Very large, bright rose flowers. Pkt., 10c; ¼ oz., 20c.

Lavender Lace Flower

Didiscus coerules—3 feet. Long-stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief or Wild Carrot. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in May in partial shade where it is to remain. Pkt., 10c; ¼ oz., 50c.

Marigold Tagetes

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

Lemon Queen African—Pkt., 10c; ¼ oz., 40c.

Orange Queen African—Pkt., 10c; ¼ oz., 40c.

Tall African Mixed — Extra large double flowers. Pkt., 10c; ¼ oz., 25c.


Dwarf French Double Mixed — Low bushes, covered with small flowers. Pkt., 10c; ¼ oz., 30c.

Single Dwarf Varieties

Lejon of Honor — Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c; ¼ oz., 25c.

Signata Pumila — A dwarf, compact, mushy plant, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright golden yellow. Pkt., 10c; ¼ oz., 50c.

These graceful flowers are so thrifty they do well in poor soil, and are generally grown, we are apt to think of them with less regard than the more difficult and rarer blossoms. But wise gardeners know that no other flower has so rich a color range of these rare shades, and is so prolific of the blossoms needed to register in the garden bed or border.

Tom Thumb or Dwarf Types

Aurora — Chrome yellow blotched crimson.

Beauty — Scarlet splashed canary.

Bronze—Burnt bronze color, dark leaved.

Empress of India—Very dark leaves, crimson flowers.

Golden King—A golden yellow.

P.-W.'s Best Dwarf Mixed—Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., $1.35.

Climbing or Tall Types


Twilight—Yellow, marbled salmon red.

Veuvieuve—Salmon rose, dark leaved.

Von Moltke—Ruby red.

Price, each of the above, pkt., 5c; oz., 20c; ¼ lb., 50c.

P.-W.'s Best Tall Mixed—Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Marigold Orange Queen
Mignonette (Rosedula) 6 to 12 inches
No garden is complete without this fragrant plant of universal mention. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

Grandiflora—Large flowered. Oz., 25c; pkt., 10c.

Maceta — It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

Mixed — Many Shadows and types. Pkt., 5c; oz., 25c.

Mirabilis
Marvel of Peru or Four O’Clocks 2 Feet
This is another good old-fashioned flower of busby habit, bearing hundreds of flowers during the season of white, yellow, crimson and violet.

Mixed, all sorts and colors—½ lb., 40c; oz., 20c; pkt., 5c.

Dwarf Mixed—12 in. Pkt., 10c; oz., 35c.

Sweet Scented (Longiflora Alba) — White. Pkt., 10c; oz., 40c.

Mysostis
(Forget-Me-Not)
They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. Respond to good treatment and flourished in shady, moist situations.

Alpestris—Trailing habit. Pkt., 10c; ¼ oz., 40c.

Alba—White, Pkt., 10c; ¼ oz., 50c.

Rosea—Pink, Pkt., 10c; ¼ oz., 60c.

Eliza Fonrobert—Flowers large, sky blue, with clearly defined white eye. Pkt., 10c; ¼ oz., 60c.

Nigella
(Love in the Mist) — 1½ feet
Miss Jekyll — A lovely variety, bearing on long stems large semi-double flowers of a lovely tender blue, host-like in the feathery foliage. Pkt., 10c; oz., 30c.

Pentstemon
Sensation — Although this is a half-hardy perennial grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome glottinialike flowers. Often 2 ft. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color, 25c per pkt.

Morning Glories
Convolvulus Major — Tall Varieties
Mixed, all colors—½ lb., 35c; oz., 20; pkt., 5c.

Convolvulus Minor—Dwarf or Bush Varieties—1 foot. Are very showy and beautiful hardy annuals for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

Mixed, all colors—oz., 20c; pkt., 5c.

Ipomoea
Imperialis (Japanese Morning Glory)
Mixed — The Japanese Morning Glory requires a warm situation. They are effective along the side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. Pkt., 10c; oz., 25c.

Setosa (Brazilian Morning Glory)
— The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five-pointed star of saffron pink, and are followed by curious seed pods. Pkt., 10c; ¼ oz., 25c.

Nicotiana
(Sweet Scented Tobacco Plant) — 2 feet. One of the earliest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.

Affinis — Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. Pkt., 10c; ¼ oz., 25c.

Sanderea — Bearing beautiful rosy carmine flowers. Pkt., 10c; ¼ oz., 25c.

Moon Vine
Ipomoea Mexicana Grandiflora Alba (White Moon Flower) — Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c; ½ oz., 35c.

Ipomoea Mexicana Grandiflora Giant Pink—Soft lilac pink flowers. Pkt., 10c; ½ oz., 35c.

PANSIES

Pansies like cool weather, and the best way to grow them in the north is to start them in the late summer and carry the plants over the winter in a cold frame. The plants will then come into flower with the first warmth. The violas will live over winter with a heavy mulch for protection, and are splendid for bedding.

P.-W.’s Best Giant Mixture
It includes the rich reds, purples and bronze, together with the most delicate rose pink shadings. Pkt., 25c; ¼ oz., $1.00.

Boulogne Giant Mixture — The flowers are of the largest size, great substance, fine form and are borne on particularly long stems. They are mostly 3 and 4 inches long and have a blotted delicately veined. Pkt., 25c; 1/3 oz., $1.00.

Masterpiece (New Giant Curled or Spencer Pansies) — The petals are crimped and curled so the flowers appear double. Pkt., 25c; ¼ oz., 35c.

Paris Market — An improved strain of Trimmer, with better flowers and more compact habit. ¼ oz., 50c; pkt., 10c.

Steele’s Mastodon Mixed — This is one of the most colorful mixtures of mammoth flowering pansies of which we are familiar. Pkt., 25c; 1/16 oz., $1.00.

Bedding Mixed — Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. ¼ oz., 40c; pkt., 10c.

P.-W.’s Giant Pansies, Separate Colors — We offer large flowering plants in blue, orange, pink, purple, red, white, and yellow colors. Pkt., 15c; ½ oz., 50c.

Scotch or Tufted Pansies (Viola Cornuta) — These flower all summer from seed sown in early spring, and are valuable for rock gardens, edging beds and borders. Require protection during winter. Height, 3-6 inches. Best Mixed, All Colors—Pkt., 10c; ¼ oz., 35c.
Petunias

For freedom of bloom and length of flowering season, the petunia is unsurpassed as a bedding or window box plant. The many improvements recently made in its color range and form of flower have raised it to the front rank. The seed are very small and germinate slowly. Sow them indoors if possible, quite early, and be patient in awaiting the appearance of the seedlings. The Balcony type, of trailing habit, are excellent for porch and window boxes. The Single Bedding kinds can be sown out of doors in May. Our contract grower is a specialist celebrated for his magnificent strains of both the large flowering single and double varieties, which are being improved each year by careful selection and hybridization.

Large-flowering Single Sorts

P.W.'s Superb Large-flowering Fringed—This seed is from the finest flowers of very large size and beautiful shape; deep-throated and of valued and brilliant colors. and beautifully fringed. Pkt., 200 seeds, 25c.

Purple Prince—A large flowering violet, purple violet variety. 3 pkts., $1.00; pkt., 35c.

Large-flowering Double Sorts

In growing Double Petunias from seed the weaker seedlings should be carefully saved, as these usually produce the finest double flowers.

P.W.'s Superb Double-fringed—Saved from an unrivalled collection that will produce a large percentage of double flowers of the largest fringed varieties in bright colors. Pkt., 200 seeds, 50c.

Single Bedding Petunias

All of the following are wonderfully effective in beds, borders, window boxes, etc.

General Dods—Rich crimson garnet. 1/4 oz., 50c; pkt., 10c.
Snowball—Pure satin-white. 1/4 oz., 50c; pkt., 10c.
Violet Queen—Rich velvety violet blue. 1/8 oz., 50c; pkt., 10c.

P.W.'s Fine Mixed Bedding—Good bright colors. 1/4 oz., 40c; pkt., 10c.

Passiflora

Passiflora Grandiflora (Passion Flower)—15 feet ex-Southern Beauty. A beautiful vine for greenhouse and window. Pkt., 10c; 1/4 oz., 40c.

Pennisetum

Longistylum—5/5 feet. An Abyssinian grass with long, feathered, bearded bristles. Pkt., 10c; 1/4 oz., 50c.

Rueppelianum—The spikes are longer and more graceful. Used to border canna beds. Pkt., 10c; 1/4 oz., 30c.

Balcony Petunias

A splendid large and free flowering type either for window boxes, windows, baskets, etc., the flowers average 3 inches across and make a very effective display over a long season.

Balcony Blue—Velvety indigo blue. 1/2 oz., 60c; pkt., 20c.
Balcony Rose—Brilliant rose-pink: very effective. 1/2 oz., 40c; pkt., 20c.
Balcony White—The pure white form. 1/2 oz., 40c; pkt., 20c.

P.W.'s Superb Large-flowering Fringed Petunias.

P.-W.'s Fluffy Ruffled Giants

Phlox Drummondii

The Phloxes are the ones that are most easily raised of all Annuals. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks are a blaze of glory.

Grandiflora Varieties—1 foot. This section has beautiful round petal ed flowers which overlap each other.

Alba—Pure white.
Alstro-purpurea — Black brown.
Brilliant — Rose with dark eye.
Coccinea—Fiery scarlet.
Coerulea Striata—Blue zoned star.

Each of the above, pkt., 10c; 1/4 oz., 50c.

Drummondii Mixed—Good mixture. 1/4 oz., 40c; pkt., 10c.

Nana Compacta Dwarf—8 inch.

Fireball—Blood-red.
Snowball—Pure white.
Isabellina—Yellow.

Each of the above, pkt., 15c; 1/16 oz. 40c; 1/4 oz., 75c.

P.-W.'s Fluffy Ruffled Giants

For freedom of bloom and length of flowering season, the petunia is unsurpassed as a bedding or window box plant. The many improvements recently made in its color range and form of flower have raised it to the front rank. The seed are very small and germinate slowly. Sow them indoors if possible, quite early, and be patient in awaiting the appearance of the seedlings. The Balcony type, of trailing habit, are excellent for porch and window boxes. The Single Bedding kinds can be sown out of doors in May. Our contract grower is a specialist celebrated for his magnificent strains of both the large flowering single and double varieties, which are being improved each year by careful selection and hybridization.

Large-flowering Single Sorts

P.W.'s Superb Large-flowering Fringed—This seed is from the finest flowers of very large size and beautiful shape; deep-throated and of valued and brilliant colors. and beautifully fringed. Pkt., 200 seeds, 25c.

Purple Prince—A large flowering violet, purple violet variety. 3 pkts., $1.00; pkt., 35c.

Large-flowering Double Sorts

In growing Double Petunias from seed the weaker seedlings should be carefully saved, as these usually produce the finest double flowers.

P.W.'s Superb Double-fringed—Saved from an unrivalled collection that will produce a large percentage of double flowers of the largest fringed varieties in bright colors. Pkt., 200 seeds, 50c.

Single Bedding Petunias

All of the following are wonderfully effective in beds, borders, window boxes, etc.

General Dods—Rich crimson garnet. 1/4 oz., 50c; pkt, 10c.
Snowball—Pure satin-white. 1/4 oz., 50c; pkt., 10c.
Violet Queen—Rich velvety violet blue. 1/8 oz., 50c; pkt., 10c.

Howard's Star—Rosi-crimson with a clearly defined five-pointed star of blush white. 1/4 oz., 50c, pkt., 10c.

P.-W.'s Fine Mixed Bedding—Good bright colors. 1/4 oz., 40c; pkt., 10c.

Passiflora

Passiflora Grandiflora (Passion Flower)—15 feet ex-Southern Beauty. A beautiful vine for greenhouse and window. Pkt., 10c; 1/4 oz., 40c.

Pennisetum

Longistylum—5/5 feet. An Abyssinian grass with long, feathered, bearded bristles. Pkt., 10c; 1/4 oz., 50c.

Rueppelianum—The spikes are longer and more graceful. Used to border canna beds. Pkt., 10c; 1/4 oz., 30c.

Balcony Petunias

A splendid large and free flowering type either for window boxes, windows, baskets, etc., the flowers average 3 inches across and make a very effective display over a long season.

Balcony Blue—Velvety indigo blue. 1/2 oz., 60c; pkt., 20c.
Balcony Rose—Brilliant rose-pink: very effective. 1/2 oz., 40c; pkt., 20c.
Balcony White—The pure white form. 1/2 oz., 40c; pkt., 20c.

P.-W.'s Superb Large-flowering Fringed Petunias.
**Poppies**

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are brightly poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

**Single Annual Poppies**

Admirl—Glistening white, with a brood margin of brilliant scarlet. Pkt., 10c; ¼ oz., 20c.

Daneborg or Danish Flag—Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 10c; ¼ oz., 20c.

Flanders Poppy—Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. Pkt., 10c; ¼ oz., 20c.

Hansa—The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson. Pkt., 10c; ¼ oz., 20c.

Tulip (Glacum) Large tulip-shaped flowers of dazzling scarlet, not unlike a Scarlet von Thol Tulip. Pkt., 10c; ¼ oz., 30c.

**Shirley Poppies**

(Silk or Ghost)

Have beautiful satiny flowers of various colors, all with white centers, which makes the plants very attractive. Foliage is hairy and finely cut.

Blue Shirley—Various shades of blue. Pkt., 10c; ¼ oz., 25c.

Rose Shirley—Shades of rose and pink. Pkt., 10c; ¼ oz., 25c.

Shirley Mixed—Beautiful shades in delicate shades of rose, apricot, salmon-pink, and blush to growing crimson with a sprinkling of blues. Pkt., 10c; oz., 30c.

Eldorado (Fine Mixed)—The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt., 10c; ¼ oz., 30c.

Eldorado Salmon Shades—3 feet. The introducer made a selection of these most popular shades and will especially appeal to those admiring pastel shades in flowers. Pkt., 10c; ¼ oz., 30c.

Mixture Single Poppies—This mixture included all the above choice Poppies and many other kinds not listed. Pkt., 10c; oz., 25c.

**Double Annual Poppies**

American Flag—Flowers very large, snow white, scarlet bordered.

Fairly Bush—The flowers have the effect of large feathery balls, covered with a rosy shade.

Carnation Flowered—Splendid double-fringed flowers; mixed colors. Pkt., 5c; oz., 25c.

**Pyrethrum**

Aureum (Golden Feather)—6 inches. One of the best plants for edging, grown for its beautiful yellow foliage. Works beautifully transplanted as an annual. Pkt., 10c; ¼ oz., 25c.

**Rainbow Corn**

(Zea Japonica Variegata)

Ornamental foliage plant, highly effective and very interesting; grows about 5 feet high, quite bushy, variegated leaves striped with bright green, silvery white, rosy purple and sulphur yellow. Pkt., 10c; oz., 25c.

**Rhodanthe**

(Everlasting)—1 Foot

A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture—flowers everlasting; mixed colors. Pkt., 10c; ¼ oz., 50c.

**Salvia Splendens**

(Scarlet Sage)

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

**PORTER-WALTON CO., SALT LAKE CITY, UTAH**

**Fireball** (1½ ft.)—The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c; ¼ oz., 75c.

**Splendens (Scarlet Sage)**—Beautiful bright scarlet; 3 feet. Pkt., 10c; ¼ oz., 75c.

**PLANT ANNUAL FLOWERS** is especially beautiful and colorful effects during the entire season. See pages 78-83 for perennial seeds and plants.
Salpiglossis

Salpiglossis

2½ Feet

Undoubtedly one of the most attractive annuals and should be in every garden. Each flower is veined with a giant of gold. The Salpiglossis is deservedly known as the orchid of Hardy Annuals.

Emperor—Crimson, pink, velvety violet, golden yellow, purple and gold, scarlet and gold, rose and gold. Each of the above, per pkt., 10c; ¼ oz., 25c.

Emperor Mixed—Large improved strain, complete range of colors. Pkt., 10c; ¼ oz., 40c.

Romneya

Coulteri (California Tree Poppy)—5 feet. Flowers all summer. Beautiful snowy white fragrant flowers. Pkt., 15c; 1/4 oz., 75c.

Ricinus

(Castor Bean)

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc.

Cambodenosis—5 to 8 feet. Large palm-like leaves of darkest maroon; stalk nearly black. Pkt., 10c; oz., 25c.

Panormitanus—8 to 10 feet. Huge leaves of a peculiar old bronze shade; stems blue powdered. Pkt., 10c; oz., 25c.

Red Spire—A new and very effective variety with bronzy green foliage and brilliant rose crimson seed spikes. Pkt., 10c; oz., 40c.

Zanzibariensis Mixed—10 to 15 feet. The ornamental leaves, beautifully lobed, are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage. Pkt., 10c; oz., 25c.

Mixed—Many sorts. Pkt., 5c; oz., 20c.

Rudbeckia

(Cone Flower)

Bicolor Superba—2 feet. Annual. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c; ¼ oz., 25c.

(See also page 81).

Scabiosa

(Mourning Bride) 2½ Feet

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer.

Large Flowering Double

Snowball, golden yellow, flesh, fiery scarlet, azure fairy, cherry red, black prince, rose.

Each of the above, per pkt., 10c; ¼ oz., 25c.

Mixed—The above and others. Pkt., 10c; ¼ oz., 25c.

Scarlet Runner Beans

Scarlet Runners—A great favorite in England and Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the spray of bright scarlet pea-shaped blossoms. Lb., 25c; pkt., 10c.

Schizanthus

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades.

Grandiflorus, Garaway's Hybrids—A great variety bearing clusters of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c; ¼ oz., 50c.

Wisetonensis—1½ feet. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronze brown center. Pkt., 15c; ¼ oz., 50c.

Mixed, all colors—¼ oz., 25c; pkt., 10c.

Silenes

1½ Feet

Armenia Mixed (Catchfly)—A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c; ¼ oz., 25c.

Stocks

(Large Flowering)

The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of color.

Improved Large Flowering Ten Week Stocks—We furnish in colors as follows: white, yellow, rose pink, crimson, light blue, dark blue, mixed.

Each of the above, pkt., 10c; any 3 pkts. for 25c; ¼ oz., 50c.

P-W's Giant Perfection "Cut and Come Again"—1½ Feet—Useful for outdoor bedding as well as for pots of cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

White, canary, yellow, pink, old rose improved, scarlet, light blue, dark blue, mixed.

Each of above, pkt., 10c; ¼ oz., 65c.

Statice

Russian (Suworowi)—1 foot. Flowers bright rose color, valuable for winter bouquets. Pkt., 15c; ¼ oz., 75c.

Bouduelli—Producing numerous bright yellow flowers, valuable for drying, very attractive. Pkt., 10c; ¼ oz., 25c.

Sinuata Blue—Forming pretty rosettes of foliage from which rise branching flower stems 2½ feet high, light to dark lavender flowers. Pkt., 10c; ¼ oz., 25c.

Sinuata Rosea—Pkt., 10c; ¼ oz., 25c.

Sinuata White—Pkt., 10c; ¼ oz., 25c.
MARVELOUS SWEET PEAS

Sweet Peas are of easy culture and there should be no failures if ordinary care is taken. The absolute essentials are good seed, rich soil deeply dug, early sowing, early staking and frequent stimulation to insure continuous growth and good cultivation to keep the soil loose and porous. The seed should be sown as early in the Spring as the soil can be worked. In the vicinity of Salt Lake, early March in average years is the proper time. It is best to make a trench or furrow about six inches deep, in the bottom of which sow the seed and cover with about one inch of soil, pressing it down firmly. As soon as they are above the ground thin out about three or four inches apart. When planted too close they do not obtain full development. They should be staked up either with branches or stout stakes on which wire netting has been fastened; these should be about four or five feet high. Sweet Peas should be watered thoroughly and frequently and flowers cut often to prevent running to seed which will stop them from continuing in bloom. One oz. will plant 25 feet of row. To inoculate the seed gives added vigor and health. See page 36.

Early Flowering Spencers

This new type is in great demand by commercial florists for forcing under glass and are just as valuable for outdoor culture, coming into flower five or six weeks earlier than the regular orchid-flowered type. If flowers are kept picked will continue to bloom over a period of nearly four months.

All White—Improved. Pure white.

Blue Bird—Violet blue.

Early Harmony—The Finest clear lavender.

Early True Blue—Rich mid-blue.

Early Zvolanek's Rose—Rich rose pink.

Fair Maid—Blush-pink.

Grenadier—Dazzling scarlet. Excellent.

Glitters—Salmon. Very fine.

Illumination—Salmon cerise.

Meadow Lark—Pristmose yellow.

Rose Dore—Rich, rosy salmon.

Sweet Lavender—Cleav lavender.

Yarrawa—Bright rose pink, lighter wings.

Any of the above except where noted—Pkt. 10c; oz. 55c; ¼ lb. $1.00.

Early Flowering Spencer Mixed

Pkt. 10c; oz. 50c; ¼ lb. $1.50; lb. $5.00

Chup or Dwarf Peas

These form a line of emerald-green foliage a little over a foot wide and 6 inches high, and are June until late summer. They are literally a sheet of bloom; the mixture contains all the colors.

Price—Any of the above except where noted—Pkt. 10c; oz. 30c; ¼ lb. 60c; lb. 2.00

P.-W.'s Giant Spencer Sweet Peas

Of the hundreds of Orchid-flowered or Spencer Sweet Peas introduced in the last few years, we offer this season what we consider the very choicest and most distinct varieties, each one of which is a leader in its respective color, and sure to give entire satisfaction.

Austria Frederick Improved—Large rose lavender, the best in this color.

Bianca Ferry Spencer—Bi-color immense, pink and white.

Blue Bird—Bright silvery blue.

*Charming—A most brilliant orange cerise, large flower.

Crimson King—Bright crimson scarlet of largest size.

*Crystal—A distinct rich deep mauve.

*Dobbie's Cream—The finest primrose-yellow.

Fortune—Very rich deep violet blue.

George Shawer—Glowing orange.

Splendid.

Gleaners—Lavender blue, very large.

Price—Any of the above, except where noted—Pkt. 10c; oz. 30c; ¼ lb. 60c; lb. 2.00

P.-W.'s Special Collection Spencer Sweet Peas

1 Pkt. each of Best Red, White, Lavender, Pink, Salmon and Maroon (6 pkt's.) For $3.00

P.-W.'s GIANT SPENCER MIXED

This represents the highest development in Sweet Peas to date. This mixture has been made up of named sorts only, insuring a well balanced range of colors, it would be impossible to get anything of higher quality at any price. Pkt. 10c; oz. 30c; ¼ lb. 60c; lb. 2.00.
Verbena

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

**Hybrid Defiance—An intense scarlet. Pkt., 10c; 1 oz., 50c.**

**Dark Blue with White Eye—Pkt., 10c; 1/2 oz., 50c.**

**White—Yellow. Pkt., 10c; 1/2 oz., 60c.**

**Striped—Mostly light colors with red and blue stripes. Pkt., 10c; 1/2 oz., 50c.**

**White—Dense heads of finely shaped white flowers. Pkt., 10c; 1/2 oz., 50c.**

**Mayflower—Various shades of pink. Pkt., 10c; 1/2 oz., $1.00.**

**Firefly—Intense red. Pkt., 10c; 1/2 oz., 70c.**

**Purple Shades—Dark purple. Pkt., 10c; 1/2 oz., 50c.**

**Mammoth Mixed—Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. Pkt., 10c; 1/2 oz., 40c.**

**Hybrid Gigantea**—A wonderful new collection of large flowering varieties. These flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. Pkt., 10c; 1/2 oz., 50c.

**Erioides (Moss Verbena)—6 inch.** Produces a mass of moss-like foliage, spreading over the ground like carpet, above which are borne heads of purplish-blue and white blossoms; flowers in June and continues until frost. For beds, baskets or rockeries it is highly desirable. Pkt., 10c; 1/2 oz., 70c.

**Venosa (Hardy Garden Verbena)—** Used for bedding purposes; thrifty creeping; good for forming hedges, and covered from early summer until fall with its bright purplish-heliotrope flowers. Pkt., 10c; 1/2 oz., 50c.

**Thunbergia (Black-Eyed Susan)**

**Alata—Beautiful, rapid growing annual climbers preferring a warm, sunny situation; used extensively in hanging-nasturtiums, vases, low fences, etc. A very fine bedding plant. Pkt., 10c; 1/2 oz., 50c.**

**Dwarf Sorts—Growing from 12 to 18 inches high. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.25.**

**Tall Sorts—Growing from 18 to 36 inches high. Pkt., 10c; oz., 25c; 1/2 lb., 75c; lb., $2.25.**

**Zea (Rainbow Corn)—** See page 92.
**DAHLIA FLOWERED ZINNIAS**

"Award of Merit" and Gold Medal by Royal Horticultural Society.

Large Double Flowers 6 to 8 inches across

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**Double Dahlia Flowered Zinnias**

The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance the flowers compare with the Show Dahlias.

**Crimson Monarch**—Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.

**Dream**—A fine, deep lavender, turning to purple, a new desirable shade in Zinnias.

**Exquisite**—By far the most pleasing of our collection. Truly Dahlia flowering, as regards form and size. Color light rose with center a deep rose.

**Burnt Orange** (Golden State)—A very rich orange yellow in the bud, turning to an attractive orange when in full bloom.

**Old Rose**—This is adequately described by its name, as it is of the real old Rose Shade.

**Oriole**—An immense orange and gold bicolor, changing slightly as it ages.

**Polar Bear**—A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

**Scarlet Flame**—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. Each of above, pkt., 15c; any 4 pkts., 50c; ½ oz., 40c.

**Dahlia Flowered Mixed**—All the above and others.

Pkt., 15c; 4 pkts., 50c; ½ oz., 25c.

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** Giant Picotee

A remarkable new and distinct class with beautiful each petal being distinctly tipped with various shades of double flowers. In orange, flesh, lemon, pink and cerise, dark, resembling the Picotee Carnations.

**Giant Picotee Mixed**—Pkt., 15c; ½ oz., 45c.

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**Zinnia California Giants (Double Flowered)**

In presenting the above type we offer a rare collection of striking and desirable colors. They are larger than Colossal and a cross between them and the Dahlia Flowered types.

**Lemon Queen**—A most pleasing color. The petals are light canary on the upper and cerise on the lower side, the two shades blending as the flower develops. It is the only Zinnia with fragrance.

**Cerise Queen**—Cerise rose.

**Miss Wilmot**—Soft pink.

**Scarlet Gem**—Bright scarlet.

**Orange King**—Similar in color to the Calendula of the same name—a glowing orange.

**Purity**—A clean pure white.

**Rose Queen**—Bright rose with a deep rose red center and gradually develops into a warm deep rose.

Each of the above, pkt., 15c; ½ oz., 50c.

One pkt. each of above seven varieties, 75c.

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**Giant Double Quilled Achievement**

The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as, salmon, old rose, deep rose, lilac, bronze, and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large double flowers often 8 inches in diameter. Pkt., 15c; ½ oz., 60c.

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**Zinnia Lilliput Double**

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall. 12 in. high. We furnish them in scarlet, white, golden orange and mixed colors. Pkt., 10c; ½ oz., 30c.
PORTER-WALTON CO.
SALT LAKE CITY, UTAH

Send To .................................................................
P. O. Box, Street  
or Rural Delivery  ....................................................
Post Office ........................................................................
County .............................................................................

Station or Express Office .......................................................
(Only if different from P. O.)

Date ................................................................. 19 ... Send By .............................................................

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(Over) Amount carried forward

EXTRA ORDER SHEETS FREE—ASK FOR THEM

ORDER SHEET

ORDER NO.........................................................
Received........................................................., 19

Amt. $.................................................................

By .................................................................

THE AMOUNT ENCLOSED
Money Order, $...................................................
Check .................................................................
Stamps, ..............................................................
Cash, .................................................................
Total .................................................................

ABOUT POSTAGE
If you wish order sent by Parcel Post see table on back
of this sheet to ascertain amount to remit for Postage.
We pay postage on Garden and Flower Seeds unless other-
wise specified.

WARRANTY AND RESPONSIBILITY FOR CROP
What is stated in Catalog regarding this is always a
condition of the sale of anything in the Seed and Nursery
line.
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Amount brought forward

If by mail remit Postage on all items not postpaid Amount for Postage

Total Amount Sent

 Parcel Post Rules, Etc.

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<th>Each lb.</th>
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<td>9c</td>
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<td>2nd—Within 60 to 150 miles</td>
<td>9c</td>
<td>1c</td>
<td>10c</td>
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<td>3rd—Within 150 to 300 miles</td>
<td>8c</td>
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<td>12c</td>
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<td>4th—Within 300 to 600 miles</td>
<td>8c</td>
<td>4c</td>
<td>15c</td>
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Each lb. Additional:
- 5th—Within 600 to 1,000 miles: 9c
- 6th—Within 1,000 to 1,400 miles: 10c
- 7th—Within 1,400 to 1,800 miles: 12c
- 8th—All over 1,800 miles: 15c

The Maximum Weight allowable in local and to the First, Second and Third zones is 70 pounds, and to all other zones is 50 pounds. The size of the Parcel must not exceed 84 inches for combined length and girth.

Money should always accompany order. On small amounts we accept 2-cent postage stamps the same as cash. Goods Wanted C. O. D. must have at least 25 per cent of the amount accompany the order. Patrons signing orders are requested to use prefix, Mr., Mrs. or Miss. Married ladies please invariably use husband's initials.

The following persons, I think, will likely purchase something in your line this year and would appreciate your Catalog

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We will include some extra Seeds or Bulbs for above Courtesy.

Please indicate below by X, the free information leaflets desired:
- Fertilizers
- Flower Seed
- Lawn Making
- Mushroom Culture
- Out Door Living Room
- Planting Nursery Stock
- Rock Gardens
- Water Lilies

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Laid Out By Shipping Clerk
ROCK GARDENS

In order to enjoy the fascination of Rock-Gardening one need not have a large country estate nor go in for expensive construction work. Splendid rockeries can be made in the smallest gardens, using an odd corner which otherwise would be wasted or planted to something of little interest.

Extensive rock gardens are wonderful to be sure as they give opportunity to introduce the larger evergreens and deciduous shrubs which for lack of space must be omitted from the smaller place. Such lovely features as tiny pools and miniature waterfalls are possible also, but even these may be enjoyed in a small degree in the tiniest garden. In fact, your rock garden may include a whole world in miniature, limited only by your imagination, available space and building ingenuity.

For a list of Rock Garden plants turn to pages 76 to 83. Varieties especially adaptable are marked (H) immediately after the name.

P.-W.'s Rock Garden Plant and Seed Collection

These are the highest grade collections of our own selection. Great care has been made to assemble only such hardy varieties best adaptable to the Rock Garden, all are properly labeled.

Rock Garden Seed Collection No. 40
One packet each of 10 choice varieties (regular value $1.25) sent postpaid for $1.00.

Rock Garden Seed Collection No. 41
Two packets each of 15 choice varieties (30 packets in all, regular value $3.75), for $3.00 postpaid.

Special leaflet on "Rock Gardens" sent free with each of the above collections.

Water Lilies

Water Gardens are now all the rage and rightly so, for what is there that would give the "Outdoor Living Room" a more distinctive touch than a charming Lily Pool.

If your yard is too small for a large pool, you can at least enjoy one in miniature. An attractive pool can be made in a small tub which requires a space no larger than four by four feet. Even with such an improvised pool you can transform an uninteresting spot into a center of interest in your home grounds.

P.-W.'s RAINBOW COLLECTION OF SIX BEST HARDY WATER LILIES

Rose Pink $1.50 each
Bright Yellow 1.75 each
Bright Crimson 2.75 each
Coppery Bronze $3.50 each
Deep Blue 3.50 each
Pure White 1.50 each

One each of the above (6 in all) for $12.50 prepaid.

Water Lilies are ready April to June. Ask for free Water Lily leaflet giving cultural directions.
NEW ANNUAL LARKSPUR
Tall Double Stock Flowered "Los Angeles."
Pkt., 25c. (See page 88.)

PORTER-WALTON CO.
SALT LAKE CITY, UTAH