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Porter-Walton Company
Salt Lake City, Utah.

1926 Seed and Nursery Book

Porter-Walton Company's mountain grown seeds and trees are hardier.
This is What Talks—21 Years in Business
SATISFACTION GUARANTEED
or Your Money Back

If such a rare circumstance should happen that your crop failed through the fault of the seed purchased from us, we will refill the order or refund the entire purchase price of the seeds in question. No seedsman in the world will do more and most of them would do nothing after seed 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.

The thing we make not only our business, but our religion as well, is to furnish our customers with the right kind of fresh, vigorous, acclimated tested seeds and nursery stock, the important beginning of all success in horticulture.

ABOUT PRICES AND DELIVERY
(The Prices in This Catalog Cancel All Previous.)

All quotations, 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.

Trees 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 the order blanks to ascertain the amount of postage.

The Order Blanks accompanying this catalog will be convenient for customers and facilitate our filling orders (extra ones mailed on request). Use the plant sheet when ordering plants, trees, etc.—pages 44 to 55—these being filled at our Nurseries; seeds and all other goods being collated at our Salt Lake stores, though all can be shipped together when advisable.

NEW AWAKENING IN ORNAMENTAL GARDENING

Keeping abreast with the times we have greatly enlarged our stocks of Ornamental Flower Seeds, Plants, Shrubs and Trees, so whether your requirements are large or small we are in an excellent position to serve you. To aid you in your selection we have added a number of illustrations in Natural Colors in the Flower Seed section of this catalog, as well as enlarging the list of varieties.

In descriptions we have tried to tell the plain truth in a brief, concise manner entirely free from any undeserved praise. Some varieties have been purposely omitted in an endeavor to list only the good ones. Should there be anything you wish which we may have overlooked please add it to your order and we will secure it for you.

Let us caution that LAST MINUTE BUYING, is always, in the seed time rush, and some stocks might be sold out. So we shall appreciate EARLY ORDERS, which will help us to give you the best of service.

Yours for the best Garden ever,
PORTER-WALTON COMPANY,
Salt Lake City, Utah.

Gen. Offices, Store and Mail Order Dept.
Corner Richards St. and First South St.
Seed Farm, Nurseries and Trial Grounds
Centerville, Utah.

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"P.-W.'s Golden Acre"

P.-W.'s Golden Acre Cabbage—Is a new, early, round-headed Cabbage which closely resembles Copenhagen Market, in type. As its name implies, it is a money-maker. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed Cabbage. Pkt. 20c; ¼ oz. 45c; ½ lb. $2.50.

P.-W.'s Wonderful or Golden Plume Celery (See Cut)

This new variety is rightly named "Wonderful." It is a decidedly a 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 worthwhile sort and no Market or Home Gardener should fail giving it a trial. Price—pkt. 25c; oz. $2.00; ½ lb. $8.00.

By means of our Centerville Seed Trial Grounds we select only the BEST in both old and new. Our Seeds therefore become Standards for dependability wherever used.

P.-W.'s Sweet Spanish Onion

See page 16 for full description and prices on this justly popular Onion which is taking the lead wherever introduced. Don't fail to try it.

P.-W.'s Mountain Danver Onion

This is an exceptional strain of the Yellow 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. Our seed is Mountain Grown and thoroughly acclimated for use in districts of high altitude where seasons are short. Price—Packet 5¢; oz. 45¢; ½ lb. $1.50; 1 lb. $4.50.
P-W’s Dark Leaved Globe Beet

A Real Asset to the Beet Family

We believe this new variety to be without equal for either the market or home garden and will also become a favorite for canning. The tops are small and upright in habit of growth allowing close planting. The 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. Its uniformity in shape, size, color and productiveness make it a strong asset to the Beet Family. You will make no mistake in giving it a place in your garden this year. Price—pkt., 5c; oz., 15c; ½ lb., 50c; lb., $1.50. Postpaid.

P-W’s Early Laxton Superb Pea

This splendid novelty is a semi-wrinkled, extra early dwarf pea. It can be planted much earlier than the fully wrinkled sorts as it does not rot nearly so easily. It is without doubt one of the very best dwarf Peas ever grown. We have found none so near perfection in a Market Gardener’s type. It is the best-flavored and the largest podded dwarf growing sort. It is ready and about three days after the earliest smooth sorts, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing from 8 to 10 large, dark green peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well. Pkt., 10c; lb., 40c; 2 lbs., 85c, postpaid. Not postpaid, 10 lbs., $3.00; 100 lbs., $25.00.

P-W’s Honey Ball Muskmelon

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 its 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 spicyness of the green fleshed cantaloupes which is lacking in one of its parents, the Honeydew. Edible in 100 days. Size, 6½ x 6½ inches. Weight about 3½ pounds. (See cut.) Pkt., 15c; oz., 50c; ½ lb., $1.50; lb., $3.00. Postpaid.

Persian Muskmelon

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 19 pounds. Edible in 102 days. Size, 12 x 10 inches. Pkt. 10c; oz., 30c; ½ lb., $1.00; lb., $3.00.

P-W’s Angelino Watermelon

We have the black seeded strain which is preferred for market as the melons are not too large which is sometimes the case with white seeded Angelino. The blintk seeded type is always a better seller. Flavor, habits of growth, and other ways are identical. It is a very 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 unexcelled. We believe this variety, on account of its shipping qualities, earliness and productiveness, to be one of the best we grow. It has been used extensively in the Southwest and is fast becoming the most popular melon in this district. The average weight of the melons is 20 pounds. The veining on the Angelino stands out when they are ripe, hence there is no difficulty in telling when they are ready for market. Edible in 90 days. Size 12 x 10 in. Pkt., 10c; oz., 15c; ½ lb., 45c; lb., $1.35.
### GARDEN SEEDS IN BULK

Condensed Quantity Prices for Large Buyers and Market Gardeners.

The varieties most commonly used by market Gardeners are listed below. Should prices be desired on others not found herein we shall be pleased to quote promptly upon request. See pages following for detailed descriptions and more complete list.

**PRICES ON THIS PAGE DO NOT INCLUDE DELIVERY CHARGES. IF BY MAIL ADD POSTAGE.**

#### BEANS—Dwarf

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
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<tbody>
<tr>
<td>10 lbs.</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Giant Stringless</td>
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<tr>
<td>Stringless Green Pod</td>
<td>2.00</td>
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<tr>
<td>Longfellow</td>
<td>2.00</td>
</tr>
<tr>
<td>P-W. Early Red Valentine</td>
<td>2.00</td>
</tr>
<tr>
<td>Round Yellow Six Weeks</td>
<td>2.50</td>
</tr>
<tr>
<td>Early Crimson</td>
<td>2.00</td>
</tr>
<tr>
<td>Davis White K. Wax.</td>
<td>2.25</td>
</tr>
<tr>
<td>Imp. Golden Wax.</td>
<td>2.00</td>
</tr>
<tr>
<td>New Pencil Pod Wax</td>
<td>2.25</td>
</tr>
<tr>
<td>Warrel's Kidney Wax</td>
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</tr>
<tr>
<td>Broad Windsor</td>
<td>2.25</td>
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<tr>
<td>Purpese's Bush Lima</td>
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<tr>
<td>Fordhook Bush Lima</td>
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<tr>
<td>Henderson Bush Lima</td>
<td>2.75</td>
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#### SWEET CORN

<table>
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<tbody>
<tr>
<td>10 lbs.</td>
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<tr>
<td>Early Kentucky Wonder</td>
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<tr>
<td>Early Woman</td>
<td>2.50</td>
</tr>
<tr>
<td>Howling Mad</td>
<td>2.25</td>
</tr>
<tr>
<td>Scarlet Runner</td>
<td>3.50</td>
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**CELEBRITY**

1 lb. $18.00

Golden Self Blanching 15.00

Golden Plume 25.00

White Plume 2.00

#### LETTUCE

<table>
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<tr>
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<tr>
<td>2 lbs.</td>
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<tr>
<td>New York or Wonderful</td>
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<tr>
<td>Early Jersey</td>
<td>2.50</td>
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<tr>
<td>Black Seeded Simpson</td>
<td>3.00</td>
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#### WATERMELON

<table>
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<th>Variety</th>
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<tbody>
<tr>
<td>2 lbs.</td>
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<tr>
<td>Kleeckley Sweet</td>
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<td>Honey Dew</td>
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#### MUSKMELON

<table>
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<tbody>
<tr>
<td>2 lbs.</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Pollock's 10-25 Salmon Tint</td>
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<tr>
<td>Rocky Ford Cantaloupe</td>
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<td>Burrell's Gem</td>
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<td>Caynival</td>
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<tr>
<td>Honey Dew</td>
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#### ONION

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<tr>
<td>Sweet Spanish Valencia</td>
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<tr>
<td>Sweet Spanish—Domestic</td>
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<tr>
<td>Giant Gibraltar</td>
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</tr>
<tr>
<td>Mt. Yellow Danvers</td>
<td>8.00</td>
</tr>
<tr>
<td>Red Wethersfield</td>
<td>6.00</td>
</tr>
<tr>
<td>Mammoth Silver King</td>
<td>6.00</td>
</tr>
<tr>
<td>Silver Skin</td>
<td>10.00</td>
</tr>
<tr>
<td>Southport White Globe</td>
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</tr>
<tr>
<td>Honey Globe Danvers</td>
<td>8.00</td>
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<tr>
<td>Crystal White Wax</td>
<td>12.00</td>
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#### PARSNIP

<table>
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<tr>
<th>Variety</th>
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<tbody>
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<td>2 lbs.</td>
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<tr>
<td>Hollow Crown</td>
<td>$2.50</td>
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<tr>
<td>Gurnsey</td>
<td>2.50</td>
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#### PEPPER

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
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<tbody>
<tr>
<td>1 lb.</td>
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</tr>
<tr>
<td>Chinese Giant</td>
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</tr>
<tr>
<td>Ruby Giant</td>
<td>4.25</td>
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<tr>
<td>Ruby King</td>
<td>4.25</td>
</tr>
<tr>
<td>Red Cayenne Pepper</td>
<td>4.25</td>
</tr>
<tr>
<td>Pimento</td>
<td>4.25</td>
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</table>

#### RADDISHES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 lbs.</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Perfection or Sparkler</td>
<td>1.30</td>
</tr>
<tr>
<td>Scarlet Turnip White-Tip</td>
<td>1.30</td>
</tr>
<tr>
<td>French Breakfast</td>
<td>1.30</td>
</tr>
<tr>
<td>Ice lace</td>
<td>1.50</td>
</tr>
<tr>
<td>Chinese Rose-Winter</td>
<td>1.80</td>
</tr>
<tr>
<td>Scarlet Turnip</td>
<td>1.80</td>
</tr>
</tbody>
</table>

Prices on this page do not include delivery charges; if wanted by mail add postage.

Five pounds and over at 10 lb. rate; 25 lbs. and over at 100 lb. rates.
Make A Health Garden

Aside from being an interesting and fascinating "hobby," the Vegetable garden is a vitally important factor to the health of the entire family.

The comparative recent discovery of the mysterious "VITAMINES" called VITAMINES means more to a solution of the health problem than any other discovery of Modern Science.

Medical men now fully appreciate unless these vitamins are present it is possible to starve even though the body be well supplied with protein, fats, and carbohydrates formerly considered all the elements of a complete diet. Science has named these additional necessary food elements; Vitamines A, B, C, and D, these are found chiefly in milk and vegetable products.

With such facts in mind every Home Gardener will want to provide his family with these necessary health giving elements. The following list will be of great assistance in this respect.

Vitamine A promotes growth and its absence causes sore eyes and blindness; and stunted growth in children.

Vitamine B, if lacking, brings on gastro-intestinal troubles, neuritis, anemia.

Vitamine C, if lacking, makes people irritable, lacking in stamina and in extreme cases causes scurvy.

Vitamine D is a yeast growth promoting element, the definite food value of which has not been determined.

BEANS, eaten green, contain fat soluble A, water soluble B, and water soluble C.

BEANS, dried kidney, contain water soluble B.

BEANS, dried navy, contain water soluble B.

BEET, BEET ROOT contains small amount of water soluble B and C.

BEET ROOT, raw, contains fat soluble A, and water soluble B and water soluble C.

CABBAGE, fresh cooked, contains fat soluble A, water soluble B and water soluble C.

CABBAGE, raw, contains fat soluble A, water soluble B and water soluble C.

CARROTS, raw, contain fat soluble A, water soluble B and water soluble C.

CAULIFLOWER, contains water soluble B.

CHARD (SWISS), contains fat soluble A and water soluble B.

CORN, yellow, contains fat soluble A and water soluble B.

LETTUCE, contains fat soluble A, water soluble B and water soluble C.

ONIONS, cooked, contain water soluble C.

ONIONS, raw, contain water soluble B and C.

PARSNIPS, contain fat soluble A and water soluble B.

PEANUTS, contain fat soluble A and water soluble B.

 POTATOES, cooked, contain water soluble B and C.

 POTATOES SWEET, contain fat soluble A and water soluble B.

 RUTABAGA, contains water soluble B and C.

 SPINACH, contains fat soluble A and water soluble B.

 TOMATOES, contain fat soluble A, water soluble B and water soluble C.

 TURNIPS, white, contain water soluble B.

 TURNIPS, cooked, contain water soluble C.

 PEAS, dried, contain water soluble B.

 PEAS, green, contain fat soluble A, water soluble B and water soluble C.

 POTATOES, raw, contain fat soluble A and water soluble C.


What and When to Sow for Vegetables

The dates supplied below are those applying to the Mountain States or places of similar climatic conditions, where the outside growing season for hardy varieties begins in average years in March and continues until November.

Some are under the false impression that seeds can be planted successfully only in April and May. The truth really is that the wide awake planter begins just as early as the ground can be worked in the Spring and sows succession crops throughout the Summer and Fall. The latter crops are very important as they supply fresh vegetables for Fall and Winter use.


AVERAGE TIME REQUIRED FOR MAIN TYPES OF GARDEN SEED TO GERMINATE UNDER PROPER CONDITIONS

<table>
<thead>
<tr>
<th>Seed</th>
<th>Days to Germinate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bean</td>
<td>5 to 10 days</td>
</tr>
<tr>
<td>Beet</td>
<td>7 to 10 days</td>
</tr>
<tr>
<td>Cabbage</td>
<td>5 to 10 days</td>
</tr>
<tr>
<td>Carrot</td>
<td>12 to 18 days</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>5 to 10 days</td>
</tr>
<tr>
<td>Celery</td>
<td>10 to 20 days</td>
</tr>
<tr>
<td>Corn</td>
<td>5 to 8 days</td>
</tr>
<tr>
<td>Parsnip</td>
<td>10 to 20 days</td>
</tr>
<tr>
<td>Radish</td>
<td>3 to 6 days</td>
</tr>
<tr>
<td>Salsify</td>
<td>7 to 12 days</td>
</tr>
<tr>
<td>Spinach</td>
<td>6 to 12 days</td>
</tr>
<tr>
<td>Turnip</td>
<td>4 to 8 days</td>
</tr>
</tbody>
</table>
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 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.
Palmetto—Light green.
Any of above, Pkt., 5¢; oz., 10¢; ½ lb., 35¢; 1 lb., $1.00. Postpaid.

Martha Washington—Most uniform in type, blight and rust resistant; large and of excellent quality. Pkt., 10¢; oz., 35¢; ½ lb., 85¢; 1 lb., $2.50. Postpaid.

P.-W.'s Early Giant Argenteuil—Special strain of this famous Parisian Asparagus. Grows to a large size, free from rust, superb flavor. Locally a favorite for canning.
Pkt., 5¢; oz., 15¢; ¼ lb., 40¢; 1 lb., $1.25 postpaid.

Asparagus Roots—Strong one year old roots of any of the varieties listed 30¢ per doz.; $1.50 per 100. Not prepaid.

Two year old roots 50¢ per doz.; $2.75 per 100, postpaid. Not prepaid $2.75 per 100; $12.00 per 1000.

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, huge large, globular, deep green, with a slight tint of purple at base. Pkt., 10¢; oz., 75¢; ¼ lb., $2.15; 1 lb., $7.50.

Jerusalem (Tuberous Rooted)—For hog pasture. When once established it is hard to kill out. Lb., 20¢; 10 lb., $1.50, postpaid. Not prepaid, 100 lb., $7.50.

BEETS

One Ounce 50 Feet; 4/16 Pound per Acre

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot a part and one inch deep, as early as the ground can be worked. When the young plants are two or three inches high, thin to five or six inches. The young plants that are pulled out make delicious "greens," considered by many superior even to spinach. It is a common practice to plant the seed extra thick to assure an abundance of these tender, fresh plants to use for this purpose. Sowings should be made for succession at least once a month up to the first of July, then making a large sowing to produce a supply of well grown roots for winter use.

After repeated comparative tests we recommend Crosby's Early Egyptian as the best first early for market gardeners. For all purposes and general planting the Detroit Dark Red is still the leader.

Crosby's Egyptian. This is more globular in shape than the Early Egyptian, and one of the best known and most popular varieties. It is very early and of fine quality. Bright red with clear vermillion flesh. Our choice as a first early. Pkt., 5¢; oz., 15¢; ¼ lb., 40¢; 1 lb., $1.25 postpaid.

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; leaf stems and vines dark red, bladen green; roots globular or ovoid, particularly smooth; color of skin dark blood red, flesh bright red zoned with a lighter shade, very crisp, tender and sweet, and remaining so for a long time. Pkt., 5¢; oz., 15¢; ¼ lb., 40¢; 1 lb., $1.25 postpaid.

New Crimson Globe—A perfect beet in all respects: bright, crimson in color, globose-shaped, with a very smooth skin, and an exceedingly small tap-root; fine grained, sweet in flavor and tender at all times. Very close to the Detroit Dark Red, apparently a trifle earlier. Pkt., 5¢; oz., 10¢; ¼ lb., 35¢; 1 lb., $1.00, postpaid.

Extra Early Egyptian—Popular early forcing or market beet.

Eclipse—Almost as early as the Egyptian, but of much finer quality.

Improved Blood Turnip—Very regular, a deep blood red, exceeding in sweet.

Early Model—Globose-shaped, early, deep blood red. Fine dark smooth skins; matures in 50 days. Any of the above, except where noted, Pkt., 5¢; oz., 10¢; ¼ lb., 35¢; 1 lb., 90¢, postpaid.
BEETS FOR STOCK FEEDING

The tremendous importance of stock beets to every stock and dairy farmer in America should be shouted from the rooftops. 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; conservatively figured, just the average yield, therefore, would be the equivalent of 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 Shudstrup. Wonderful yielder, easily harvested and rich in food value. It grows cylindrical in shape and largely out of the ground; easily harvested, and its shape prevents it being broken in handling. Crops as high as fifty tons to the acre are not unusual. Color of skin reddish yellow above the ground and light rose tint underneath. Flesh is firm, crisp, and very rich in sugar. Extremely desirable for stock feeding.

Giant Half-Sugar White Mangel. This magnificent half-sugar beet, while giving nearly as large a yield of easily grown and harvested roots as a crop of Mammoth Long Red Mangels, supplies a food of very much higher nutritive value, the roots for feeding purposes being really more valuable, pound for pound, than those of the very best strains of sugar beets, and the yield under equally favorable conditions is more than double. The roots grow partly out of the ground and crop can be harvested and stored at less expense. We are certain that everyone who plants this variety and grows it with care will be much pleased.

Improved Mammoth Long Red Mangel. This is truly a mangel, a single root often weighing twenty pounds. 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. Our stock of improved Mammoth Long Red Mangel is a selection and the roots are very large.

Any of the above, Pkt., 5c: ½ lb., 20c; 1 lb., 50c; 10 lb., $5.00. See page 2 for special prices on quantities.

Brussels Sprouts

The plants are very hardy and grow from two to three feet high, bearing a large mass of leaves at the top. 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.

Odense Market—Produces an abundant crop of firm, well formed sprouts, thickly set around.

Pkt., 10c; oz., 50c; ½ lb., $1.50; 1 lb., $5.00 postpaid.

Chicory

Sow the same as for late cabbage plants. The crop of green may be grown directly in the seed rows, or the plants 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 Madgeburg.—Pkt., 10c; oz., 30c; ½ lb., $1.00; 1 lb., $3.00 postpaid.

Collards

Sow seeds as early in the spring as the ground can be prepared in a rather light, moderately rich soil, in drills two or two and one-half inches apart, or 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., 5c; oz., 10c; ½ lb., 35c; 1 lb., $1.00 postpaid.

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.

Broad Leaved.—Pkt., 5c; oz., 25c; ½ lb., 75c, Postpaid.

You might buy seeds the equal of ours from other equally painstaking seedsmen, 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."
**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 flat podded varieties; it is thought the round are a little more brittle and the flat are better yielders.

**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 2 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. Cultivate and hoe frequently. One pound will sow 100 feet of drill, 60 lbs. per acre. The yield of beans can be greatly increased by seed inoculation with Farmogerm. See page 64 for prices.

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**Our selected, critically grown stocks of Garden Beans have been thoroughly “hand picked” and are not to be compared with the ordinary grades.**

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**Green Pod**

**Longfellow**—An extra early, round, green-podded bush bean of fine quality. Long, round, green rods always solid, tender and of delicious flavor. An ideal snap bean, producing a fine crop of round, straight, solid, fleshy pods, averaging 6½ inches long, wonderfully tender and brittle, without a trace of tough interlining and having no strings when broken excepting when the pods are quite old. It is extra early, the pods being fit to pick four days in advance of any other variety of approximate size and merit. In our estimation, the best for general use of the green pods.

**Bountiful**—This excellent dwarf, green podded sort is similar in appearance to Early Yellow Kidney Six Weeks but is of much better quality. The vines are vigorous and productive. The pods are very long, six to seven inches, straight, broad flat, light green, of 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 with brownish edge about eye. Bountiful is a most desirable early sort for snaps for the home garden.

**Price**—Any of Above varieties, Pkt. 10c; ½ lb., 25c; lb., 35c; 5 lbs., $1.00, postpaid.

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**Wax Poddled Beans**

**New Pencil 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, pencil-shaped pods, six to seven inches in length, of a rich golden-yellow color; beautifully rounded, meaty, doubly saddle-backed, fresh, brittle, solid and entirely stringless and of mild, sweet flavor.

**Challenge Dwarf Black Wax**—The pods are quite round, very fleshy, crisp, tender and stringless, a good market sort, being a prolific yielder.

**Price**—Any of above varieties, Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., $1.00, postpaid.

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**VALUABLE LANDSCAPE BOOK FREE TO ALL CUSTOMERS ON ORDERS OF $5.00 AND OVER.**

This book just fits the need of every Home Owner. It offers "Home Beautifying" suggestions fully illustrated by actual photo engravings. It furnishes lists of Ornamental Shrubs, Trees and Plants with valuable information as to their proper use.

ASK FOR IT WHEN YOU SEND IN YOUR ORDER.
Pole or 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 one inch deep around each pole. Thin out to three plants to a hill, if soil is rich. Pinch off ends of plants when they run over 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; 1/2 lb. 25c; lb. 40c; Postpaid.

Lazy Wife—Pods medium dark green color, grown in abundance; without 3mm and 1/5 inches in length, broad, thick, fleshy and entirely stringless. Make excellent shell beans. Pkt. 10c; 1/2 lb. 25c; lb. 40c. Postpaid.

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 vines require no support; the beans are fully equal in quality and yield, 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 1/2 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.

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 about 34 inches and continue to grow and set pods until killed by frost in the fall. Pkt. 10c; 1/2 lb. 25c; lb. 40c; Postpaid.

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 boxes or for market. This variety is decidedly best for all purposes of the Large Limas. Pkt. 10c; 1/2 lb. 25c; lb. 40c; Postpaid.

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 three seeds to the hill one foot apart in the row. Bean drills are used on large acreages. The quantity per acre sown varies with the soil and condition all the way from 10 lbs. to 40 lbs. per acre. For dry situations by all means use the Tepary or the Mexican Pinto, 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.

Tepary—This variety has been raised by the Indians in arid tracts of the West for perhaps, centuries. At any rate it survives and produces a crop where the rainfall is as low as 7 to 9 inches. A hardy, rapid grower, maturing in from 70 to 90 days, it produces where others fail. Pkt. 10c; 1/2 lb. 25c; Postpaid.

Mexican Pinto—Decidedly rich in food value; extra heavy cropper. Pkt. 10c; lb. 35c; Postpaid.

Pole Lima (King of the Garden)—Pods large, straight and handsome. The pods frequently contain five or six very large beans. These beans are of excellent quality, easily shelled. Pkt. 10c; 1/2 lb. 20c; lb. 35c; Postpaid.

Scarlet Runner—This well known and old-fashioned climber has a bright scarlet pea-like flower. It not only holds its place as a flower, but the pods when young are fine quality for cooking. Pkt. 10c; 1/2 lb. 30c; lb. 55c, Postpaid.

CRESS

Splendid for salad, garnishing. Sow seed one foot apart in open ground. Sow often for succession, as it soon runs to seed. Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it.

Extra Curled or Pepper Grass—The leaves of this small salad are much frilled or curled, and are used for garnishing. Pkt. 5c; oz. 10c; 1/2 lb. 16c; Postpaid.

True Water—A fair growth may be obtained in soil which is kept wet but does best when grown along moist banks or in tubs in water-covered soil. The seed is usually sown and lightly covered in gravelly, mucky lands along the borders of small, rapid streams. The plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt. 10c; Oz. 60c; 1/2 lb. $1.75, Postpaid.

Inoculate Beans With Farmers' Seed—See Page 65.

Kentucky Wonder (Old Homestead)

Market Gardeners and Large Buyers

See Page 2 For Quantity Prices on All Varieties of Beans
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 proved by our own tests:

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 ground can be worked. 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 seedbed is in the shade it is an easier and equaly successful method 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 well 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 loise or aphids Black Leaf 40 is effective.

Vitamins 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 consumption 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 Baby Head—This is a new forcing cabbage of exceptional merit developed by a Copenhagen specialist. It is of very compact growth forming very few outer leaves and small round solid heads extremely firm, and of excellent quality. As a first early variety it should surely find a place in every garden. It matures in 6 to 7 weeks after planting.

Pkt. 25c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

P.-W.’s Early Jersey Wakefield—We assure our market gardener customers that our strain of Jersey Wakefield meets every requirement in points of earliness and even head, so that the entire crop can be marketed very early. It grows very compact with nearly oval, deep green leaves. Short stem, medium size, very solid, pointed heads of excellent quality. Undoubtedly the best early pointed cabbage on the market. For home or market. Pkt. 10c; oz., 30c; ¼ lb., 75c.

OTHER GOOD VARIETIES

Fall and Winter Varieties—

Danish Round Head—Pkt., 10c; oz., 30c; ¼ lb., $1.40.

Premium Late Flat Dutch—Pkt., 10c; oz., 25c; ¼ lb., 80c.

Mammoth Red Rock—Pkt., 10c; oz., 40c; ¼ lb., $1.25.

Marvin’s Snow, crumpled leaf—Pkt., 10c; oz., 40c; ¼ lb., $1.25.

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 light 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., 35c; 2 oz., 60c; ½ lb., $1.00.

P.-W.’s Early Jersey Wakefield—See novelties in front pages of this catalog for the splendid new cabbage “Golden Acre.”

Extra Early Pointed Heads—

Charleston or large Wakefield—Pkt. 10c; oz., 30c; ¼ lb., 90c.

Early Winningstadt—Pkt., 10c; oz., 25c; ¼ lb., 75c.

Second Early or Summer—

Succession—Pkt., 10c; oz., 25c; ¼ lb., 75c.

P.-W.’s Summer Ballhead—Pkt., 15c; oz., 30c; ¼ lb., 90c.

Large Planters and Market Gardeners—See Page 2 for Quantity Prices.

Strong, vigorous, well hardened transplanted plants of Early Jersey Wakefield, P.-W.’s Baby Head, Danish Ball Head, Short-stemmed and Copenhagen Market are ready in April and May. Price 25c per 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.

P.-W.’s Short-Stemmed Ball Head
CAULIFLOWER

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 in February and the plants will be ready for the field as soon as danger of frost is over. Young plants should be thinned, since they become very spindly if allowed to grow too thick.

P.-W.'s Perfection Cauliflower—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. Its sure budding 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.

$1.00

Erfurt Earliest Dwarf—Very dwarf in habit, producing pure white heads, desirable for forcing. Pkt., 10c; 1/4 oz., 60c; oz., $2.00; 1/4 lb., $7.00.

CARROTS

The Carrot is one of the most wholesome and nutritious of our green roots, supplying those precious vitamins so necessary for a health diet. When half grown it is one of the most tender and delicious vegetables and deserves to be more extensively used.

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 100 feet of row. 4-6 lbs. per acre.

Table Varities

P.-W.'s Chantenay (The Market Gardener's Favorite). Tops medium sized, necks small, roots tapering slightly, but uniformly stump-rooted, and smooth color, deep orange-red flesh, very crisp and tender. Although this is a medium early sort it furnishes roots of usable size as early as any; it is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt., 5c; oz., 10c; 1/4 lb., 35c; lb., $1.00.

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. The perfect type is about eight inches long and about two and one-half inches wide at the shoulder, tapering to a sort of half-point at the bottom. Color is a bright orange scarlet, is very heavy cropper. Pkt., 5c; oz., 10c; 1/4 lb., 35c; lb., $1.00.

St. Valery—Much longer than Danvers Half-long, reddish orange color. Makes an excellent table carrot, and its heavy yields renders it valuable for field use. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., $1.00.

Early Scarlet Horn. Deep red flesh, tender and delicate. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., $1.25.

Nantes (Half-long Scarlet Stump Rooted) This is a market garden favorite. The mature roots average about 6 inches in length, smooth, orange color flesh yellow center very tender of finest quality. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., $1.00.

Oxheart or Guerand. 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; 1/4 lb., 30c; lb., $1.00.

Stock Carrots

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 Short White—This is the best and most productive for stock feeding. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 25c.

See page 2 for quantity prices unless otherwise specified all prices on this page are postpaid.

Cauliflower Plants—Strong well hardened transplanted plants of Early Snowball and P.-W.'s Perfection will be ready in April and May. Price 25c per doz., $1.75 per 100 Postpaid. Not prepaid, $1.00 per 100; $8.00 per 1000.

Good Seeds are the Foundation of Good Crops. No guess work with our Tested Seeds.
CELERY

For early summer celery sow seeds of the self-blanching sort in flats under glass during February. In May to June set the plants in very rich and well prepared land, six inches apart in the rows, and rows three to four feet apart. Cultivate thoroughly and blanch out by boards set up against rows. For later and winter 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 to five feet apart. To blanch earth up gradually to within a few 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 3,000 to 10,000 plants.

P.-W.'s Improved Golden Crisp Celery. The far-famed Utah Celery so much in demand. This strain was originally developed by the Chinese gardeners. Its superior qualities gave 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 branches to a beautiful, creamy white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Once sown, always grown. Pkt., 15c; oz., $1.50; ¼ lb., $8.00.

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. 15 cts.; oz. 1.50; ¼ lb. $5.00.

ENDIVE

A salad vegetable which is becoming very valuable for winter use. Should be sown in June or six inches apart. One ounce 300

Broad Leaved Batavian—Broad, more or less twisted and waved green leaves with thick white midrib. Unsuspected for salads. Pkt., 5c; oz., 25c; ¼ lb., 50c; lb., $1.55

EGG PLANT

The seed germinates rather slowly, and it is well to start under glass, with moderately high temperature, in March. When all danger of frost is over, and the plants are strong, they should be transplanted carefully to the garden or well where cool nights prevail, as in places where nights are warm, quick and uninterrupted growth. It needs a warm climate to insure success. One ounce, 1000 to 2000 plants.

Black Beauty—Earliest and best of all large fruited Egg Plants. The grand large fruits are thick and most aromatic, rich, lustrous, purplish black. Intensely brilliant coloring is uniform over the white fruit. Pkt. 5c; oz., 66c; 2 oz. $1.10; ¼ lb., $2.00; lb., $4.00.

New York Improved Large Purple—Very large and of fine quality. Pkt. 5c; oz., 55c; 2 oz., $1.00; ¼ lb., $1.80; lb., $5.50; Postpaid. Plants—Transplanted well grown plants of Black Beauty and "New York Improved" ready in May and June. 66c per doz.; $4.00 per 100 Postpaid. Not prepaid 50c per doz.; $3.50 per 100; $30.00 per 1000.

P.-W.'s Golden Crisp

KALE or Borecole

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in the same manner as spinach. 1 pkt. 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. 5c; oz., 15c; ¼ lb., 50c; lb., $1.60.

Tall Green Early Scotch—Very hardy, not injured by March frost. About 30 inches tall, with many dark green leaves, intensely curled and cut, forming a very beautiful plant. Pkt. 5c; oz., 15c; ¼ lb., 50c; lb., $1.60.

Prices on this page include delivery charges except where otherwise noted.

See Page 1 for Quantity Price.

Particular Planters Demand P.-W.'s Tested Mountain Grown Seeds and Reliable Trees.

They're More Vigorous.


**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; thin 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.

**Golden Bantam.** Very early, deliciously sweet, finest quality; ears small, golden yellow; very productive. Pkt. 10c; lb. 30c; 3 lbs., 80c.

P.-W.'s Golden Rod (Bantam Evergreen)—This best of all 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 very tips with twelve rows of deep, succulent kernels of a rich transparent, cream-yellow, tender, deliciously melting and "sweet as honey." This luscious "milky" stage quality is maintained for an unusually long time. Pkt. 10c; 1 lb., 30c; 3 lbs., 80c.

**Country Gentleman**—Grand old "stand by" for main crop for canning. It produces three to four ears to each stalk. The ears are seven to eight inches long, oblong and densely covered with long slender white grains without row formation. Deliciously sweet and tender. Pkt., 10c; 1 lb., 30c; 3 lbs., 80c.

Early Mayflower—A splendid extra early white sweet-corn; is earlier than Mam. White Coral and apparently less apt to worm. Ears pure white, sugary and larger than most other early varieties. Should become one of the leading market gardener sorts. Pkt., 10c; 1 lb., 40c; 3 lbs., $1.00.

Stowell's Evergreen Grown more than any other sort. Ears large, with deep sugary grains; remains fit for use a long time. Pkt., 10c; lb., 30c; 3 lbs., 80c.

**Pop Corn**

Same cultural directions as Sweet Corn.

**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.

**Chinese Cabbage**

(Cultivate the same as other varieties of cabbage)

P.-Tani—This variety is different from the ordinary cabbage, resembling the Cos Lettuce, with solid head and few outer leaves. Very productive, with blanched head and is in greater demand. Pkt., 10c; oz., 40c; 1 lb., 90c; lb., $1.00.

**P.-W.'s Golden Rod**

Other Good Sorts

**Chinese Cabbage**

(Cultivate the same as other varieties of cabbage)

P.-Tani—This variety is different from the ordinary cabbage, resembling the Cos Lettuce, with solid head and few outer leaves. Very productive, with blanched head and is in greater demand. Pkt., 10c; oz., 40c; 1 lb., 90c; lb., $1.00.

**Horse 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. Price 60c per doz.; $3.50 per 100, postpaid.

**Leek**

Seed should be planted in June for good plants in the fall or winter.

**Giant 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., 25c; 1/2 lb., 75c; 1 lb., $2.50, postpaid.

**White Vienna**—Very early; small, dense, light green; bulbs medium size, best quality.

**Early Purple Vienna**—Bright purple; large leaves and stems green tinged with purple.

**Large Green**—Bulbs large, greenish-white; used mostly for stock feeding.

Any of above, Pkt., 5c; oz., 25c; 1/2 lb., 75c; 1 lb., $2.25.

**Anise—Seeds aromatic**

Pkt., 5c; oz., 25c; lb., $1.00.

**Caraway**

Pkt., 5c; oz., 25c; lb., $1.00.

**Coriander**

Pkt., 5c; oz., 25c; lb., $1.00.

**Dill**

Pkt., 5c; oz., 25c; lb., $1.00.

**Lavender—True**

Pkt., 5c; oz., 25c; lb., $1.00.

**Marjoram—Sweet**

Pkt., 5c; oz., 25c; lb., $1.00.

**Rosemary**

Pkt., 5c; oz., 25c; lb., $1.00.

**Sage**

Pkt., 5c; oz., 25c; lb., $1.00.

**Thyme**

Pkt., 5c; oz., 25c; lb., $1.00.

**Caraway—For flavoring**

Pkt., 5c; oz., 25c; lb., $1.00.

**Dill Seed—For flavoring**

Pkt., 5c; oz., 25c; lb., $1.00.

**Prices quoted on this page are all postpaid. Please refer to page 2 for prices on quantities.**

**Herbs**

Herbs delight in rich, meadow soil. Sow seeds early in the spring in shallow drills one foot apart. When up a few inches thin out to proper distance or transplant. They should be cut on a dry day, just before they come into full blossom, tied in bunches and hung up or spread out thinly on the floor where they can dry quickly.
P.-W.'s Klondike White Spine

CUCUMBERS for PICKLES and SALADS

The soil best adapted for the culture of cucumbers is a rich warm moist loan. Seed should be sown in the open ground 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; fleshy 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; ½ lb., 50c; 1 lb., $1.50, postpaid.

Davis Perfect — A splendid forced 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; ½ lb., 50c; 1 lb., $1.50, postpaid.

P.-W.'s Klondike White Spine — After years of experimenting we have found this to be a reliable, all-purpose variety for market garden as well as the home garden. It cannot fail to be profitable, whether grown for early slicing or late pickling. The fruit, when suitable to ship, is six or seven inches in length, green to the tip and ends, solid, crisp and of excellent flavor. Pkt., 5c; oz., 15c; ½ lb., 50c; 1 lb., $1.50, postpaid.

Mushrooms

Mushrooms may be grown by anyone having a supply of fresh manure and a shed or cellar, or under a greenhouse bench where a temperature of 50 to 60 degrees is evenly maintained. They make a most profitable crop when successfully grown, and the American market is the best in the world for this most delicious of foods.

Full cultural directions with every order.

Pure Culture Spawn — Requires one brick of spawn for about nine square feet of bed. One brick, 48c; two bricks, 80c; five bricks, $1.75, postpaid.

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 seed pods of this plant are used in soups, stews and served like asparagus.

Dwarf Green — Prolific and productive.

White Velvet — Pods are large, perfectly round and smooth and attractive; of superior flavor and tenderness. Plants comparatively dwarf, of compact branching growth. Best for all purposes.

Either of above. Pkt., 5c; oz., 15c; ½ lb., 50c; 1 lb., $1.50, postpaid.

Other Good Varieties

Arlington White Spine — Of medium size and good color. Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., $1.25.

Boston Pickling — Of uniform size; dark green. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., $1.00.

Early Cluster — Makes a rapid growth. Fruits are short and produced in clusters. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., $1.00.

Early Frame, or Short Green — Fruit straight but smaller at ends, bright green. Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., $1.25.

Improved Long Green — The leading long growing sort. Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., $1.25.

Mustard

One ounce to fifty-foot row.

Excellent greens, of sharp, pungent flavor; cooked the same as spinach. Sow in drills early in the spring, and at frequent intervals throughout the summer.

Giants Southern Curled — Curled leaf, large.

Ford Hook Fancy — Beautiful dark green leaves.

Any of above, Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 90c, postpaid.

Okra or Gumbo

Parsley

One Ounce 500 Plants.

It is used for garnishing dishes of meat or cooked in soups. A few plants in a garden will yield sufficient for a family, providing the leaves are cut often and the plant not allowed to seed. Sow in drills as early in the spring as the soil can be dug in a fine, loose condition. It germinates best during cool, moist weather.

Champion Moss Curled — A very finely curled, bright green and very ornamental variety.

Double Curled — A curled variety, very hardy and easy to grow, deep, rich green and by many preferred to the extremely curled varieties.

Triple Curled — Extra curled, very hard, deep rich green; very decorative.

Any of above, Pkt., 5c; oz., 15c; ½ lb., 40c; 1 lb., $1.25, postpaid.

POOR SEEDS WOULD BE COSTLY EVEN IF THEY WERE GIVEN TO YOU.
LETTUCE—The "Salad Stand-by"

Lettuce has developed an absolute necessity on most tables in America. It is now considered as indispensable as bread or potatoes. This is rightly so as lettuce supplies the Vitamins that are so essential to a well balanced diet. With the aid of a cold frame and just a little thought in planning a succession of plantings this crisp, palatable Salad vegetable can be cut fresh from your own garden from May until December.

Head lettuces are becoming more popular than the loose leaf types; but it is certainly worth while to grow both, making several plantings to insure continuous succession. The "New York" or "Los Angeles Market" is the favorite for market growing in the Mountain States and of course is equally valuable for the home garden. The "leaf" varieties are more easily grown and may consider the "Romaine" or "Cos" type to be the best of all in flavor.

There is so great difference in localities in regard to culture of lettuce that it is hard to get a uniform rule. For the ordinary house garden, it is desirable to use one variety of each type, and several plantings should be made to secure succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage head variety should be thinned until four inches apart. Varieties that do not head may be left quite thick, and when fairly well grown, those thinned out may be used. Nitrate of soda, or some nitrogenous Fertilizer will pay if used after plants are set. A light, warm, rich, well watered soil is ideal as quick, rapid growth is essential to crispness and flavor. One ounce produces three thousand plants; for Head Lettuce sow 1½ to 2 pounds per acre; Loose Leaf varieties 3 to 4 pounds per acre.

**Heading or Cabbage Types**

**New York (Los Angeles Market)—** The heading early summer head lettuce—Immense heads, often 13 to 16 inches across, weighing enormously. Blanches creamy-white crisp, tender and absolutely free from bitterness. Robust growing, rooting deeply, resistant hot, dry weather; very slow to run to seed and a sure header under trying conditions. The outer is a distinct apple-green. Has no equal as a hot weather summer lettuce; not recommended for forcing. Pkt., 10c; oz., 30c; ½ lb., $1.00; 1 lb., $3.00.

**P.-W.'s Extra Early—Quickest growing head lettuce, best for forcing.** This variety forms fine, hard, medium sized heads a few weeks after planting. It is light green with a slight brown tint on the head; leaves are smooth, crisp, rich and delicious. The best smooth leaved butter head lettuce.

Pkt., 5c; oz., 25c; ½ lb., 75c; 1 lb., $2.00.

**Big Boston—Highly recommended for outside, similar to old Boston Market but much larger.**

**Deacon—** Has very fast growth outside leaves, grows very solid and of delicious buttery flavor.

**Hanson—** It is wholly free from bitter taste, having a sweet and rich flavor. A perfect open air lettuce in all respects, hardly and may be set out in the early spring or grown late in the fall. One of the most popular now grown.

**May King—** Fine for forcing and outside, medium size, yellowish-green heads, very early.

**Iceberg—** Large, crisp, tender head. Outside leaves light green, tinged with brown. Stands hot weather wonderfully well. Price on any of above.

Pkt., 5c; oz., 20c; ½ lb., 65c; 1 lb., $2.00.

**Cos or Romaine**

(***Romaine***) This kind of lettuce is distinguished by its long, narrow, spoon-shaped leaves, folding into loose, sugar-soak heads which blister better by having the outer leaves drawn about them and tied. The quality is distinct from that of the Cabbage Lettuces and by many is considered very superior.

**Trianon—** The best of this type. Forms large, light 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, 6 inches apart. Pkt., 25c; oz., 30c; ½ lb., $1.00; 1 lb., $3.00, postpaid.

**Curled or Loose Leaved**

**Black Seeded Simpson—** This is one of the best leaves, large, thin and exceedingly tender. Pkt., 5c; oz., 25c; ½ lb., 75c.

**Early Curled Simpson—** A popular early sort, forming a large, loose head. Pkt., 5c; oz., 25c; ½ lb., 75c.

**Grand Rapids—** The most popular variety of greenhouse planting. Pkt., 5c; oz., 25c; ¼ lb., 75c.

**Arlington—** Loose leaf, curled or blanched loose leaf. Pkt., 5c; oz., 20c; ¼ lb., 75c.

**Pricehead—** Large, loose headed sort; leaves tinged with brown, very heavy. Pkt., 5c; oz., 20c; ¼ lb., 75c.

**P.-W.'s Mountain Grown Tested Seeds are Standards of Reliability Wherever Used.**

See Page 1 For Prices On Quantities
MUSKMELONS  
(Cantaloupes)

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 to ten feet for watermelons, 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 sowing on pieces of sod 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 62 and 63. Seed required one ounce 50 hills, two to three pounds per acre.

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 (see cut). 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 at center. Pkt., 10c; oz., 15c; ½ lb., 50c; 1 lb., $1.50.

Honey Dew (Improved Cassaba)—The outer skin is smooth and hard, nearly white, turning to a lemon tint when fully ripe. Melons weigh from six to ten pounds each, oval in shape, thick mottled, very small seed cavity; flesh is light green, solid, honey-like flavor. Ripe and juicy. Fruits may be laid away for use late in the fall. Pkt., 10c; oz., 20c; ½ lb., 65c; 1 lb., $2.00.

P.-W.’s Gold Lined Rocky Ford

Burrell’s Gem—Lending salmon fleshed cantaloupe, extensively Grown for Market—Equally good for the home gardener. Similar in appearance to the parent, “Defender.” It is easily erated, medium size, oval in shape, slightly ribbed, covered closely with net. The flesh is firm, fine grained, rich, deep yellow; vigorous and productive. 

Regular Stock—Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., $1.25, postpaid.

Growers Stock, seed in sealed 1 lb. bags, $1.35, postpaid.

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., 50c; 1 lb., $1.50.

Golden Beauty—One of the best cassabas. Fruits globular, bright yellow with golden tinge, with wrinkled skin, six to eight inches in diameter. Flesh is white, very thick, juicy and sweet. Pkt., 10c; oz., 20c; ½ lb., 60c; 1 lb., $2.00.

Pollock’s 25—Salmon tint, solid net, a good early shipper; special stock direct from Rocky Ford. Pkt., 10c; oz., 15c; ½ lb., 50c; 1 lb., $1.50.

Extra Early Hackensack—Hardy, prolific, large and round; deeply ribbed, coarsely netted; green flesh very delicious. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00.

Eden Gem—Immensely prolific, heavily netted, flesh light green; excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00.

Persian—See front novelty pages.

Honeyball—See front novelty pages.

PARSNIPS

 Parsnips 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 else to offer. Another great advantage is that they may be left in the ground all winter, and dug during thaws, or in the spring before they sprout, when they furnish the first crop of the new year. They use fresh manure in soil where parsnips 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 develop. 1 oz. for 100 feet of rows, 5 to 10 pounds per acre.

Guernsey or Hollow Crown—A variety with a hollow 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 thickest shouldered type, particularly fine, smooth and regular. Pkt., 5c; oz., 10c; ¼ lb., 40c.; 1 lb., $1.50, postpaid.
WATERMELONS

Curvular Directions—Litchi, ndy, or gravelly soil is necessary for the best Watermelons. They seldom do well on heavy adobe or clay soils, and these lands should be avoided when growing Watermelons as a farm crop. In the garden, any soil can be made suitable by spading in each hill some well rotted manure and sand or loam.

Plant the seeds about the middle of May, in hills about 8 feet apart. Use five or six seeds to a hill and thin out to three plants as the second or third leaf shows. Use about four ounces of seed to 100 hills, or as 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.

Halbert Honey—In quality equally as good as Kleckley’s Sweet, and by some claimed to be better. Melons average 18 to 20 inches long and are full at both blossom and stem end. Skin is glossy green. Flesh is a beautiful red of rich and luscious quality. For nearby markets there is no variety equal to it. Pkt. 10 cts.; oz. 20 cts.; ½ lb. 45 cts.; 1 lb. $1.25.

P.-W.’s Kleckley Sweet (Or Monte Cristo)—The best melon for home or near-by markets. There is no melon superior in quality to this strain of Kleckley Sweet. The bright scarlet 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. For the home garden and local market it should always be given a place. This melon is very much in demand on the Salt Lake market. Pkt. 5c; oz. 10c; ½ lb., 40c; 1 lb., $1.25.

Tom Watson—Leading melon for shipping to distant markets. It will endure rougher handling than “Kleckley’s Sweet.” It grows to a very large size, long in shape, colored a medium green with a light tracing of a darker shade; flesh rich red and of good quality; seeds white. We have a very fine selected stock of this melon that will surely please our market gardener customers. Pkt. 5c; Oz. 10c; ½ lb., 35c; 1 lb., $1.00.

Chiloran 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., $1.25, postpaid.

Winter Watermelons (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. Flesh is red and extremely firm.

Angelino—Both white and black seeded. See novelty pages in front of book.

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 to fifty hills.

Green Striped Cushaw Mammoth—Heavy-yielding large pumpkin, used largely in the San Joaquin Valley. Pkt. 10 cts.; oz. 20 cts.; ½ lb. 45 cts.; 1 lb. $1.25.

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; ½ lb., 30c; 1 lb., $1.00.

Kentucky Field—Large, round-flat, creamy yellow skin and flesh. Pkt. 5c; oz. 10c ½ lb., 25c; 1 lb., 75c.

King of Mammoth or Jumbo—This strain produces the biggest pumpkins grown, sometimes measuring six feet in circumference and weighing 200 to 250 pounds. Outside color deep, orange yellow, flesh very thick, fine grained, almost as hard as citron—very brittle and deliciously sweet. This melon is round shaped and the skin is very light green, almost white. It is a good drought resister and does well in almost any section of the west where melons of any sort can be grown. No garden should be without this exceptional variety. Pkt., 5c; oz. 20c; ½ lb., 65c; 1 lb., $2.00, postpaid.

Irish Grey—A new heat resistant grey melon; deep red flesh, hard and sweet, without hard center. The Irish Grey closely resembles Kleckley Sweet except the color. A good shipper and becoming a great favorite. Pkt., 5c; oz., 15c; ½ lb., 40c; 1 lb., $1.25.

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., 45c; 1 lb., $1.50, postpaid.

Cuban Queen—Large oval; striped dark and light green; flesh red; late sort.

Citrón—Small round fruits; for preserves only.

Rocky Ford—Burrell’s strain, identical with Kleckley’s Sweet.

Gray Monarch—Long melon; rind mottled light gray-green; flesh bright crimson; excellent.

Price any of above varieties—except where otherwise noted—Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 85c.

By means of our Centerville Trial Grounds, we know our Seeds. It costs more to make soil tests, but we are repaid handsomely in the good will of our customers.
ONIONS

The Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment 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 with it.

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 in rows. While moisture-loving, 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 at a uniform temperature of about 32° to 34° Fr.

Mountain Danvers—Decidedly the most profitable onion for short season districts. It is a cross between Gigantic Gibraltar and Yellow Flat Danvers; matures early and excellent cropper. Pkt., 5c; oz., 45c; 1/4 lb., $1.50; lb., $4.50.

Southport Yellow Globe.—The flesh is snowy-white, firm, mild and juicy, skin light golden yellow Popular for family use or market. Pkt., 5c; oz., 50c; 1/4 lb., $1.60; lb., $5.00.

Yellow Globe Danvers.—A very handsome, round globe-shaped variety, of large size, ripens early. Pkt., 5c; oz., 45c; 1/4 lb., $1.50 lb., $4.50.

Yellow Flat Danvers.—Largely planted. Flesh fine grained; mild. Pkt., 5c; oz., 35c; 1/4 lb., $1.15; lb., $3.50.

Yellow Strasburg.—Bright yellow, bulbs somewhat flattened; flesh white and Mild. Pkt., 5c; oz., 40c; 1/4 lb., $1.30; lb., $4.00.

Red Wethersfield.—Though well flattened, the solid onions are thick through, skin is a deep glossy, purplish red. Flesh white. Pkt., 5c; oz., 35c; 1/4 lb., $1.15; lb., $3.50.

Southport Large Red Globe.—Most popular red onion. Distinctly globe-shaped, small neck, excellent keeper; deep purplish red. Pkt., 5c; oz., 45c; 1/4 lb., $1.50; lb., $4.50.
ONIONS

WHITE VARIETIES

P.W.'s Southport White Globe—The best bunching onion in the list. True globe form, pure white, hard and small neck, ripening very early and evenly. A splendid keeper. It grows to a large size, very solid and heavy, flesh purest white and fine grained; mild, delicate flavor, heavy yields. Pkt., 10c: oz., 65c; ½ lb., $2.00; 1 lb., $6.36, postpaid.

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 a ready seller on any market. Pkt. 10c: oz., 65c; ½ lb., $2.60; lb., $6.36.

Extra Early Barletta—Old-time favorite. From one inch to one and one-half inches in diameter. Pkt., 5c: oz., 35c; ½ lb., $1.00; lb., $3.50.

Early Queen—One of the earliest; mild flavor, good keeper. Pkt., 5c: oz., 30c; ½ lb., 85c; lb., $2.00.

Early White—An extra early; valuable for pickling. Pkt., 5c: oz., 35c; ½ lb., $1.00; lb., $3.50.

Mammoth Silver King—Large, attractive form; flattened out quite thick through. Pkt., 5c: oz., 35c; ½ lb., $1.00; lb., $3.50.

Round Silver Skin (White Portuguese)—Very early, round; crisp and tender; excellent bunching or pickles. Pkt., 10c: oz., 55c; ½ lb., $1.75; lb., $5.50.

White Welch—Does not form bulb but produces very early bunch onions. Pkt. 5c: oz., 35c; ½ lb., 85c; lb., $3.00.

Unless otherwise specified all prices are postpaid.

Particular Planters Demand Porter-Walton’s Tested Seeds and Reliable Trees—They’re More Vigorous.

PEPPERS

Peppers do best in hot climates, but can be grown quite successfully in most places. They require very rich soil or the seed germinates slowly. They should be sown in hotbeds 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 eighteen inches in the row in good, rich ground.

One Ounce 500 Plants, Half Pound per Acre.
PEAS

Peas share with sweet corn, parsnips and squash the honor of being the sweetest of vegetables. Their sweetness is in proportion to the wrinkled 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 critical contract growers, from selected stock strains. The 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 rows 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 a long season. In the garden the pods should be kept picked as the vine will then continue to bear longer. One pound 100 feet of row, 100 pounds per acre.

P.-W.’s Dwarf Gradus or Laxtonian Pea—This is the largest podded of all early dwarf peas. A new sort of deserved merit. The viopeignous, growing about 10 inches high and producing a large crop of good-sized pods, averaging from nine to ten peas to a pod.

The peas are of exquisite flavor and mature early. All the planters who have tried Dwarf Gradus consider it superior to either of the old Gradus or Thomas Laxton, and consider 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 hesitancy in pronouncing this excellent variety to be The Best Extra Early Pea in the West for Market Growers. Pkt., 10¢; lb., 40¢; 2 lbs., 75¢; Postpaid.

Other Good Peas

Extra Early Varieties—Postpaid Prices Pkt. lb. on 2 lb.
Alaska Extra Early—(Smooth) 10¢ 35¢ 60¢
Gradus or Prosperity—(Wrinkled) 10¢ 35¢ 65¢
Thomas Laxton—(Wrinkled) 10¢ 35¢ 65¢

Early Varieties—Postpaid Prices Pkt. lb. on 2 lb.
American Wonder—(Wrinkled) 10¢ 35¢ 65¢
Nott’s Excellency—(Wrinkled) 10¢ 35¢ 65¢
Main Crop Varieties—Postpaid Prices Pkt. lb. on 2 lb.
Admiral—canning variety 10¢ 35¢ 65¢
Yorkshire Hero—Wrinkled 10¢ 35¢ 65¢

Dwarf Telephone (Carter’s Daisy) 10¢ 35¢ 65¢
Wrinkled. 10¢ 35¢ 65¢ P.-W.’s Telephone—Wrinkled 10¢ 35¢ 65¢
P.-W.’s Dwarf Defiance 10¢ 35¢ 65¢
Stratton—Wrinkled 10¢ 35¢ 65¢
Mammoth Melting Sugar Edible Pod 10¢ 35¢ 65¢

Inoculate Peas with Farmogerm for Increase Yield. See Page 63

VALUABLE LANDSCAPE BOOK FREE

To All Customers on Orders of $5.00 and Over

This book just fits the need of every Home Owner. It offers "Hand-Bellflowering" suggestions fully illustrated by actual photo engravings. It furnishes lists of Ornamental Shrubs, Trees and Plants with valuable information as to their proper use. Ask for it when you send in your order.

P.-W.’s Alderman Pea.—In our estimation, the best of the tall growing sorts for main crop. This most valuable variety of recent introduction belongs to the old Telephone type.

The vines are tall, growing about four feet high, dark green, vigorous and exceedingly productive. The pods are of largest size, often five to five and one-half inches long, 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 a long distance and still retain its dark green color. For the home garden it is equally desirable. Pkt., 10¢; lb., 35¢; 2 lb., 65¢; postpaid.

Rhubarb

Sow the seed early one inch deep and when transplants are large enough, 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 and place them in a dark corner of the cellar or green house. One ounce for 50 feet of drill, 5 to 10 pounds per acre.

Victoria—Very large and tender. The best variety to plant and the one most generally used. Pkt., 5¢; oz., 25¢; $1.00, 65¢; lb., $2.00, Postpaid.

Roots—Mailing size, 2 or 3 eyes to each clump. Each, 10¢; $1.00 per dozen, Postpaid. By Express or freight 25¢ each; $2.50 per dozen; $18.00 per 100.

Salsify

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, mild and delicately flavored; very popular. Pkt., 5¢; oz., 25¢; $1.00, 65¢; lb., $2.00, postpaid.

Swiss Chard

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. Pkt., 5¢; oz., 10¢; $1.00, 65¢; lb., $1.06.
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., i s in 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 good sized pieces each containing no less than two or three eyes, fifteen inches apart in the furrows, for early potatoes, and eighteen inches apart for late ones. Requires 700 to 1200 pounds seed per acre.

Change Your Seed—There is a profit as well as satisfaction in planting our seed, for, not only is it pure, but the additional yield to be secured from a change of seed fully pays for the seed, so that the investment itself is nothing.

SPINACH

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 early spring use, sow in September in well-manured ground, covering with straw on the approach of severe weather. It is hard to get the ground too rich. The stronger the ground the larger and more succulent will be the leaves. One ounce 100 feet 10 to 12 pounds per acre.

Bloomdale Savoy-Leaved—Best for fall, but if sown 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 good substance. The most largely grown Spinach on the market. Has a tendency to bolt to seed in warm weather. Pkt., 5¢; oz., 10¢; 1/4 lb., 20¢; lb., 50c. Postpaid.

Long Season—An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leaves—almost as crumpled as the Savoy-leaved—and short, fleshy stems. Does not readily crack. Will keep in the field in condition for a remarkable long time. Pkt., 5¢; oz., 10¢; 1/4 lb., 20¢; lb., 50c. Postpaid.
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.

For Quantity Prices See Page 2

Early Round Varieties

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 grass, as well as for the open. Skin very smooth, and its color gives it an appetizing appearance. Selected stock seed. Pkt., 5c: oz., 10c; ⅛ lb., 30c; lb., 85c.

P.-W.'s Earliest—Attains a good size without getting pithy. Week earlier than White Tipped, color scarlet.

P.-W.'s Scarlet Turnip White Tipped—Well known market variety.

French Breakfast—Oval form, bright scarlet color, tipped with white.

Prices, except where noted, any of above: Pkt., 5c: oz., 10c; ⅛ lb., 30c; lb., $1.00.

Long Varieties

Icicle—White, slender and tapering in shape. It quickly grows to market size; is crisp, brittle, mild and sweet.

Long Scarlet Short Top—Bright Carmine.

White Vienna—Snow white; flesh crisp.

Prices, any of above, Pkt., 5c: oz., 10c; ⅛ lb., 30c; lb., $1.00.

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 frosts 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 kinds six to eight feet. One ounce 100 feet, 2 to 3 pounds per acre.

Summer Varieties

Cocozele (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., 20c; ¼ lb., 45c; lb., $1.50

Long White Vegetable Marrow—Skin greenish-white; flesh white, soft and rich flavor. Pkt., 5c: oz., 15c; ¼ lb., 40c; lb., $1.25.

Yellow Summer Crookneck—Golden yellow thickly warded; brittle and tender. Pkt., 5c: oz., 15c; ¼ lb., 40c; lb., $1.25.

Winter Varieties

Banana—Splendid new variety for fall and winter, dark green banana shape 20 to 25 inches long; Pkt., 5c: oz., 20c; ¼ lb., 60c; lb., $2.00.

Chicago Warted Hubbard—Attractive dark green, flesh dry and sweet. Very hard shell insures long keeping qualities. Considered by many an improvement on the old Hubbard Pkt., 5c: oz., 15c; ¼ lb., 50c; lb., $1.50.

Delicious—In shape resembles the Hubbard; flesh very thick, deep orange color. Pkt., 5c: oz., 15c; ¼ lb., 50c; lb., $1.75.

Pike’s Peak or Sibley—Large oval fruits, skin smooth, dark olive-green in color; flesh golden-yellow, very best quality. Pkt., 5c: oz., 15c; ¼ lb., 40c; lb., $1.25.

Hubbard—Pkt., 5c: oz., 15c; ¼ lb., 45c; lb., $1.25.

Utah Giant Field—Pkt., 5c: oz., 15c; ¼ lb., 35c; lb., $1.25.
TOMATOES

For early plants sow in hot beds or boxes early in March, in drills five inches apart, one-half inch deep. When the plant is about two inches high, transplant into another four inches apart each way. Plant out 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 use 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 ounces per acre.

P.W.'s "King of Early" (T. L. E. Strain)—A new blood red tomato, ripening in 95 days. Very distinct. Not quite as large as the Red Rock but two weeks earlier, ripening about two days after the Earliblue, and very much more productive. Twenty days ahead of either Stone or Greater Baltimore. The vine is short-stemmed, unusually health 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. Pkt. 10c; oz. $1.00; ½ lb. $3.50; lb. $10.00.

San Jose Canner—The Leading Canning Tomato on the Market.—This extremely productive tomato is California bred, selection from the New Stone, outclassing its famous parent in yield, uniformity in size, shape and solidity; color a brilliant scarlet. For main crop and canning purposes this variety is replacing all others. Pkt. 5c; oz. 25c; ½ lb. $1.50; lb. $5.00.

OTHER EARLY VARIETIES

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<tr>
<td>Strawberry Ground</td>
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<tr>
<td>Cherry or Husk</td>
<td>5c</td>
<td>45c</td>
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<tr>
<td>Yellow Pear</td>
<td>5c</td>
<td>45c</td>
<td>1.50</td>
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<td>Yellow Cherry</td>
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M repetitive text on other early varieties

MAIN CROP VARIETIES

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Small Fruited Varieties

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<tr>
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<td>45c</td>
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TOMATOES

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 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.

PURPLE TOP WHITE GLOBE. The Best Flavored and Largest Yielder Grown. Without an Equal for All Purposes.—The flesh is firm, fine grained, white and of most excellent flavor. It is a fine loose, extensively grown and pitted 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; ½ lb. 30c; lb. 85c.

Extra Purple Top Milan—Earliest turnip in cultivation; flat, smooth, of medium size, with bright purple top and few leaves. Adapted to spring or fall. Pkt. 5c; oz. 15c; ½ lb. 50c; lb. $1.50.

OTHER GOOD VARIETIES

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<tr>
<td>White Flat Dutch</td>
<td>5c</td>
<td>10c</td>
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RUTABAGA OR SWEDES

One ounce 100 feet, 23 pounds per acre

Rows should be at least two and one-half feet apart and the plants thinned to eight to twelve inches. Roots frequently grow to be an enormous size. The roots should be taken up before severe frost. Cut off tops within an inch of the crown. Store in a cool cellar or pit.

Improved Purple Top—Remarkable for uniform shape and fine quality; a splendid keeper. Skin smooth: flesh a beautiful yellow color, fine grained. Very sweet and tender. Pkt. 5c; oz. 10c; ½ lb. 25c; lb. 75c. See Page 2 for quantity prices.
GRASS SEEDS

Our stocks are critically grown, of highest germination and purity. Prices fluctuate. Write for prices on quantities.

Bromus Inermis (Hungarian Brome Grass)—Remains thick and popular, injured by frost. Sow 20 to 30 lbs. per acre. Pound, 30c, postpaid. Not prepaid.


Orchard Grass—Furnishes pasturage three weeks before any other, and after close grazing a ten days' interval is sufficient for another growth. Makes heavy sod, which remains for years. Sow from 20 to 25 pounds per acre. Pound, 45c. Postpaid. Not prepaid, 10 lb., $3.00.

Kentucky Blue Grass—Remains green from early spring until snow flies in fall. It will do well on almost any land. Sow in the fall or spring, 30 pounds per acre. Pound, 75c. Postpaid. Not prepaid, 10 lb., $6.00.

English or Perennial Rye Grass—Produces an abundance of foliage. 30 pounds per acre spring or fall. Pound, 35c. Postpaid. Not prepaid, 10 lb., $2.50; 100 lb., at market price.

Meadow Fescue, Randall or English Blue—This is a heavy and very popular 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, 45c. Postpaid. Not prepaid, 10 lb., $3.75.

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 35c. Postpaid. Not prepaid, 10 lb., $2.00.

Tall Meadow Out Grass—Out yields Timothy or Orchard Grass, and affords better pasture, becoming very popular. Sown alone, use 30 pounds to the acre, either spring or fall. Pound, 50c. Postpaid. Not prepaid, 10 lb., $1.00; 100 lb., at market price.


SUDAN GRASS

Sudan is a tall annual grass, reaching to a height of seven from nine to twelve feet when planted in rows and allowed to mature for a seed crop; broadcasted and cut "in the bloom" for hay, about four foot. 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 pounds of seed; where irrigated, plant in rows eighteen inches apart, using from 4 to 6 pounds per acre. Yields an immense tonnage excellent for feeding. Price, 1 lb., 30c, postpaid; 10 lb., $2.50, not prepaid.

Johnson Grass—This variety is considered pest in the West, but it is highly valued by stock raisers in this climate on account of its extreme hardiness in unfarmed grass situations. It is tender and will not endure cold winters, yet it is a good drought resistant and is its valued hay grass. Belongs to the same family of sorghums as Sudan and resembles it very much in looks and habits of growth. It makes a larger root system and like Sudan is coarse and not attractive in appearance. Stock relish it, however, and even prefer it in some instances to other hay. It grows about four feet high, and will yield in this climate two cuttings annually, averaging three to five tons per acre. It should be cut as hay as soon as it begins to head. We would recommend sowing it thinly as it does not grow so coarse as when thinly seeded. Sow at the rate of 10 pounds per acre. Price lb., 30c, postpaid; 10 lb., $2.50, not prepaid. Ask for special price on quantities.

P.W.'S Grass and Clover Seed Mixture

For Permanent Meadows and Pastures.

Our well-balanced mixtures are 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.

P.W.'S Mixture No. 1—For Upland Pasture Under Irrigation—The main varieties of this combination are Kentucky Blue Grass, Perennial Rye Grass, Red Orchid, Meadow Fescue, Scarlet Clover, Lucerne and White Clover. Sow 25 pounds per acre. Pound, 45c. Postpaid. Not prepaid, 10 lb., $3.50; 100 lb., at market price.


If your soil does not come under any of the above classes, please write the particular character of your soil and we shall be pleased to name price of mixture best suited.

CLOVER SEEDS

Prices subject to market changes. Ask for quantity prices. Seamless bags at extra cost. Inoculate All Clovers With Farmogerm for Increased Results.

Alfalfa—"P.-W.'s Mountain Grown Dry Land." 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. Lb., 35c. Postpaid. Not prepaid, 10 lb., 25c; 100 lb., market price.

Alfalfa Seed 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. Lb., 60c. Postpaid. Not prepaid, 10 lb., $5.00; 100 lb., market price.

Alsike Clover (Swedish Hybrid)—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 lb., $4.00; 100 lb., market price.

Sweet Clover or Bolchara (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 15 to 15 pounds per acre. Cover the seed very lightly. Lb., 35c. Postpaid. Not prepaid, 10 lb., $2.25; 100 lb., market price.

Yellow Blossom (Melilotus Officinalis)—Same family as White Blossom Sweet Clover but it is not so prolific in growth and flowers are yellow instead of white. For bee pasture we believe it to be equally valuable. Lb., 35c. Postpaid. Not prepaid, 10 lb., 27.5; 100 lb., market price.

Medium Red Clover (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., 50c. Postpaid. Not prepaid, 10 lb., $4.00.
Field Corn for Ensilage

As all the crops useful for ensilage, Corn is the most largely used and without doubt the most profitable. Also, this situation we have made Ensilage a specialty and we are now able to offer our customers the most profitable varieties adapted to the climatic conditions of various sections of the West.

Generally speaking, the seed should be sown in drills 3 feet apart, using 15 to 40 pounds of seed per acre, depending not on the soil, but also for the purpose for which the 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 but less ear corn.

P.-W.'s Silo Corn No. 1.—This variety corn for ensilage ever introduced in the present list, has proven fully adapted in cultivation. It is the heaviest yielding Mountain States Corn. It is a white, yellow, very large, and will mature its grain in 100 days, even under unfavorable conditions; and about 90 days where climatic conditions are suitable. You will never regret giving it a trial this year. See below for price.

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 on soil and other conditions. Consequently the fodder tonnage is less, but it makes up this loss to a large degree, by its very much increased grain yield. See below for price.

Australian White Flint (90 days)—The earliest and surest variety. Will endure more drought and cold than any other variety known. Grows to a height of six to ten feet. Price, see below.

Bonne County White—Very large white corn, something like Silver Mine, but larger and later in maturing. At Davis, California, Experiment Station last year, it made a larger growth than any other variety. In sections with no shade, this variety is the best. In densely populated localities, this variety should be a most valuable ensilage corn.

Minnesota No. 12—The ears are of handsome appearance bearing 16 to 20 rows of bright, rich yellow, smooth. Wedge-shaped kernels packed closely on the corn butth to tip. Matures in ninety days.

North Dakota Flint—Excellent White variety very popular. Small cob, early maturing

Northwestern Dent—Early red dent; extremely hardy; will produce a crop which will all others fail to produce; once frost and drought resistance. Maturation in 90 days.

Pride of the North—An exceptionally early Dent variety. Stalks of medium height with broad leaves. For cold valleys where seasons are short it is not excelled.

P.-W.'s Improved Leaming—Ripens in 90 to 100 days. Extra early; not a hardy flinty corn. We can furnish both Utah and Nebraska grown.

Reid's Yellow Dent—Best all around pumpkin. Very hardy. But more Dent. Deep lighter cap; closely packed, slightly rough, grains dent on top. Leaves and stalks very fine. Ensilage and dry. Matures in 110 days.

Any of above—Pound 20c, postpaid. Not prepaid, lb. 10 lbs. $1.90. Ask for Quantity Prices.

FETERIT

From 20 to 90 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without receiving any rain from the day it was planted until it was harvested. Not postpaid, lb. 15c 100 lb. market.

KAFFIR CORN

Is unsurpassed for dry alkali land, on which no better fodder and grain crop grows. lb. 15c, not postpaid; 10 lb. at market price.

BARLEY

Sow 60 to 90 pounds per acre; on very land 40 to 60 pounds. Prices quoted are not postpaid.

Blue or Feed barley—10 lb., 50c; 100 lb., $1.00 at market price.

Club or Brewer's barley—10 lb., 60c; 100 lb., at market price.

Naked, Beardless or White Hulless—No beard, shells hull like wheat. 10 lb., 60c at market.

Teobi 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—10 lbs., 75c. Write for quantity prices.

MILLET

Common—Very early; abundant. Lb., not postpaid. 100 lb. at market price.

Liberty—A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre 10 lb., $1.00 not postpaid. 100 lb. at market price.

Billion Dollar grass or Japanese—Sow 40 pounds per acre 10 lb., $1.50 not postpaid; 100 lb., $10.00 at market price.

OATS

Swedish Select—Grain plump, white and very heavy, averaging 40 pounds per bushel 10 lb., 50c not prepaid. 100 lb. at market price.

New Kherson—Sometimes called "soy" oaten. The old standard Fall or Winter. Sow 80 to 90 days. 10 lb., 50c not prepaid; 100 lb. at market price.

RAPE

Dwarf Essex—The fattening properties of Rape are much better than those of clover; makes splendid green food for poultry. Sow in drills, at the rate of three to five pounds per acre. 16 lb., $1.75 not prepaid; 100 lb. at market price.

RYE

Sow 60 to 80 pounds per acre; on dry land 30 to 40 pounds. Liberty Rye—Same habits as regular Fall rye except larger heads and kernels. Yields from 30 to 50 per cent larger crop than the ordinary variety. 10 lb., 75c, not prepaid; 100 lb. market price.

Rosen Rye—This is fast becoming a very popular variety for winter rye for fall planting. Its chief merits are that it stools more is harder, and out-yields all others. Sow in drills for early or spring pasture. 10 lb., 50c not prepaid; 100 lb., market price.

NEW SUNFLOWER

For Ensilage or Grain. A development from the wild sunflower. Produces large sized heads and seed about eight times the size of the original. Stalks grow three to four feet high. Recommended for high short seasoned valleys where corn will not mature. Lb. 25c, 10 lbs. $2.50, not prepaid; 100 lbs. at market price.

SPRING WHEAT

Early Bart—Leading spring wheat to date, not only for the dry farm, but on irrigated farms as well. It is a large, white-berried, bearded variety of finest milling quality. 10 lb., 75c not prepaid; 100 lb. at market price.

All Standard Varieties (Marquis, Blue Stem, Bonnieweit, Club, Sonora, etc.)—Sow 80 to 90 pounds per acre. Any drills, sow 10 pounds per acre. Lb. 25c, prepaid; Not prepaid, 10 lbs. $1.25; 100 lb. at market price.

SPRING WHEAT

Early Amber—Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year. Broadcast for forage sow 60 pounds per acre. In drills, sow 10 pounds per acre. Lb. 25c, prepaid; Not prepaid, 10 lbs. $1.00.

San Luis Valley—This Colorado stock stock, pea is a hybrid. Very hardy. Can be grown at an altitude of 9,000 feet. Lb. 20c, prepaid. Not prepaid, 10 lbs. $1.00; 100 lbs. at market price.

FIELD PEAS

Most valuable farm crop for dairy or ranch. Sow in early spring, 10 to 50 lbs. per acre. Do well with Farmogerm for increased yield.

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. prepaid. Not prepaid, 10 lbs. $1.00.

San Luis Valley—This Colorado stock stock pea is a hybrid. Very hardy. Can be grown at an altitude of 9,000 feet. Lb. 20c, prepaid. Not prepaid, 10 lbs. $1.00; 100 lbs. at market price.

NEW SUNFLOWER

Valuable for both soiling and as a cover crop. Sow 60 to 75 pounds per acre. Write for prices.

SAND or Hairy Vetch—Hardy, fall var.

Prices Fluctuate rapidly. Write for Special Quantity Prices on All Farm Seeds.
LAWNMAKING

Fertilizer for the Lawn—For many years it was the custom each year to spread a dressing of stable manure upon the lawn to add food to replenish the store taken up during the season’s growth. It was a wise measure as far as it went but the invariable result was a fresh and numerous crop of weeds from seed carried in the manure and the good was nullified by the fight to kill the weeds.

Commercial fertilizers are now used and with much better effect. Ideal lawn dressings are Plant Life, Bone Meal, Groz-it or pulverized Sheep manure. See page 64.

If the lawn is kept clipped fairly short, it will not be necessary to rake the clippings, but they may be allowed to remain where cut and will be washed down among the roots by the rain and furnish a mulch which will be valuable in the hot, drying days of summer. If, however, the grass has been allowed to get so long that a considerable length must be cut, it must be raked. Only the fine clippings should be left upon the lawn. These fine clippings again go back into the soil in time and add humus.

P.-W.’s Lawn Seed Used for Utah State Capitol Grounds

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 sod is wanted quickly, seed should be sown at the rate of one pound to 150 to 200 square feet. It takes twice as much seed to make a lawn as it does for raising hay and it frequently happens that good results are not obtained on account of scanty seed.

After sowing, seed should be well raked in, and on a light sandy soil, well rolled. Heavy soils do not require much rolling when grass is established. The lawn may be much improved by rolling after each cutting. The best time to sprinkle is early in the evening. Lawns always do best if seeded in early spring or latter part of August, but when necessary to seed in midsummer it will be advantageous to sow a little oats with the lawn seed to protect the tender grass from the intense heat of the sun. The weeds and foul grass, which most soils produce, can be kept down and destroyed by repeated mowing. The seed offered on this page has been most carefully selected and none better can be obtained anywhere.

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. Our experience has given us an intimate knowledge of grasses, their habits and requirements.

In P.-W.’s Velvet Green Grass Seed are included only the very best varieties—pure clean and free from foul seed. Sown at rate of one pound to 200 square feet. Price: lb., 70c; 3 lb., $2.00, Postpaid. Not prepaid lb., 65c; 10 lb., $5.00.

Kentucky Blue Grass—The mainstay for lawn making; our stock is extra fancy reclaimed heavy seed. The purest and cleanest obtainable. Lb., 70c; 3 lb., $2.00, Postpaid. Not prepaid, lb., 65c; 10 lb., $5.00.

Red or Creeping Fescue (Festuca rubra)—Because of its good creeping root system this makes splendid turf for putting greens. When used for greens it should be sown alone. It makes a good ingredient for lawn mixtures as it does well in sandy soil and in shaded places. Sow in Spring or about the first of September. Lb., 3 lb., $1.85, postpaid. Not postpaid, lb., 60c; 10 lb., $5.50.

Red Top Grass—Fancy reclaimed solid seed; in popularity for lawn use it is a close second to Kentucky Blue Grass. Lb., 50c, postpaid. Not prepaid lb., 45c; 10 lb., $1.00.

Shady Nook Lawn Mixture—Prepared especially for shady places where it is difficult to get a turf established. Lb., 75c, postpaid. Not prepaid 65c; lb., 10 lb., $6.25.

White Clover—First class reclaimed seed. Specially selected for lawn use. Lb., 90c, postpaid. Not prepaid, lb., 85c; 10 lb., $8.00.
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.

with great vigor of growth and profusion of bloom.

White, Peachblossom, Flesh Pink, Rose Pink, Crimson, Mid Blue, Lavender, Dark Violet, Purple.
Each of the above, packet, 10 cents; any 3 packets for 25 cents.

Mixed, all colors — Packet, 10 cents.

**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, packet, 10 cents; any 3 packets for 25 cents.

**Mixed, all colors** — Packet, 10 cents.

**The King** — 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.
White, Pink, Rose, Crimson, Lavender.
Each of the above, packet, 10 cents; any 3 packets for 25 cents.

**Mixed, all colors** — Packet, 10 cents.

**American Asteriunm** — An attractive and descriptive name for a new race of asters which belong to the Comet family.
Snow White, Rose Pink, Lavender.
Each of the above, packet, 10 cents; 3 packets for 25 cents.

**Mixed, all colors** — Packet, 10 cents.

**Dwarf Section**

Up to 10 Inches

**Dwarf Comet.** Mixed, all colors — Handsome and very distinct, resembling the Japanese Chrysanthemum in shape and flowers. Packet, 10 cents.

**Dwarf Chrysanthemum Flowered** — All colors, mixed. Of very compact growth; 3½-in. flowers. Excellent for formal bedding. Packet, 10 cents.

**Semi-Tall Section**

11-Inch to 16-Inch

**Giant Comet** — This giant class is an improvement on the old Comet. White, Yellow, Rose, Purple, Crimson, Light Blue, Shell Pink, Lavender, Dark Blue.
Each of the above, packet, 10 cents; any 3 packets for 25 cents.

**Mixed, all colors** — Packet, 10 cents.

**Queen of the Market** — The best early aster, usually in full bloom two weeks before most other sorts begin to blossom.
White, Flesh Pink, Crimson, Scarlet Light Blue, Lavender, Purple, Dark Blue.
Each of the above, Packet, 10 cents; any 3 packets for 25 cents.

**Mixed, all colors** — Packet, 10 cents.
Anchusa

Capsian (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. Packet, 10 cents.

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. Packet, 10 cents.

Anthemis

(Marguerite)


Tinctoria — Perennial — Very useful yellow border plant. Packet, 10 cents.

Ageratum

One of the best summer blooming plants grown from seed, providing rare shades of blue.

Alyssum

Benthams Maritimus (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. 1 ounce, 25 cents; ½ ounce, 15 cents; packet, 5 cents.

Lilac-Blue — The plants are only a few inches high, and are completely covered with snow-white blossoms. ½ ounce, 40 cents; ½ ounce, 25 cents; packet, 10 cents.

Compactum Lilacium — Distinct variety with delicate lavender flowers. Packet, 10 cents.


Acrclinium

Roseum — 2 feet. A pretty Everlasting, bearing daisy-like flowers, pretty bright rose with yellow center, which can be dried. Packet, 5 cents.

Agapanthus


Ammobium


Antirrhinum

(Account)

For gorgeous coloring few flowers can match Snapdragons. The flowers are of very large size, are very fragrant and are produced on long spikes. They are easily raised from seed in any rich, sunny bed.

Tall — 24 to 36 inches.

Appleblossom — Pink on white ground, white throat.

Brilliant Scarlet.

Coral Red — Dark rose.

Delicata — Delicate rose, white throat.

Delicia — Carmine and yellow, white throat.

Golden King — Yellow.

Lovely — Delicate rose with pink lip.

Queen Victoria — White shaded cream, with lemon lip.

Rose Queen — Brilliant rose pink.


Amaryllis

Caraeas — 18 to 20 inches.

Amber Queen — Canary yellow overlaid chamois pink, gold lip.

Aurora — Cinnabar scarlet, with white throat.

Black Prince — Dark crimson.

Bonfire — Orange or flame color. It has the tints of firelight.

Buff Queen — Lovely shade of rose, carmine lip shaded orange.

Canary Bird — Lemon yellow.

Cottage Maid — Pale pink, white throat.

Golden Queen — Rich yellow.

Grenadier — Vivid orange, white throat, yellow lip.

Mauve Queen — Rosy mauve.

Queen of the North — Bushes covered with large white flowers.

Rose Dore — Self-salmon rose, shaded gold.

The Faun — Terracotta pink and pale yellow.

Each of above, packet, 10 cents; any 3 packets for 25 cents.

Siskiyou Sorts Mixed — Packet, 5 cents.

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 — Packet, 10 cents.

Invisible Mixed — Mixed from separate colors and includes everything that is desirable in Balsams. Packet, 15 cents.

Dwarf Mix — 8 inches, perfect little bushes with double and semi-double flowers. Packet, 5 cents.

Goliath White — 4 feet. Remarkable for their immense height and extreme boldness. Packet, 10 cents.

Goliath Scarlet — Extremely brilliant, large and very double. Packet, 10 cents.

Balloon Vine

Love in a Puff — A clean, free-growing vine reaching 10 to 15 feet, bearing numbers of large, round, inflated seed-balls resembling miniature balloons. Packet, 5 cents.
Cosmos — Single

Cosmos
4 to 6 feet
One of the most showy and useful of our garden plants. Plants are very bushy. Flowers borne on long delicate stems. Foliage very finely cut.

Early Flowering Mammoth — These are recommended for planting north of the latitude of Middle Illinois. In the late, or Giant flowered varieties are nearly always caught by early frost.

White, Pink, Crimson. Mixed, all colors
Each of the above, Packet, 10 cents.

Late Giant Flowered — Crimson, White, Lady Lenox, Pink Lady Lenox, Giant Mixed.
Each of the above, Packet, 10 cents.

Anemone Flowered
These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

Pink Beauty, White Queen, Mixed.
Each of the above, Packet, 10 cents.

Canterbury Bells
(Campanula)

Calytranthem (Cup and Saucer) — Perennial — 2 feet, June to August.

White, Pink, Blue, Mixed Colors.
Each of the above, Packet, 10 cents.

Campanula Medium
(Canterbury Bell) — 2 feet, Perennial
Each of the above, Packet, 10 cents.

Campanula Pyramidalis (Chimney Bell Flower) — Mixed, 5-6 feet, Perennial. Packet, 10 cents.

Columbine
(Aquilegia)
The Columbines are among the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation.

Cardinal Climber — 25 feet.
A very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like fasciated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. Packet, 25 seeds, 15 cents.

Calendula
(Pot Marigold) — 1 foot
One of the showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

Crataegus Orange
King — The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Packet, 10 cents. Mixed, all colors. Packet, 5 cents.

Calliopsis
(Tickseed) — 6 inches to 2 feet
Very graceful border plants, supplying throughout summer an abundance of showy flowers of yellow, orange and dark brown variations. Will thrive anywhere.

Crown of Gold
(Coronaria Maxima) — Splendid cut flower. Pure golden yellow 2 inches across, on long, wiry stems, hardy and blooms nearly all season. Packet, 10 cents.

Drummondii Golden Wave — 2 feet.
Flowers yellow with a circle of rich crimson-brown around the eye. Packet, 5 cents.

Tall Varieties, Mixed — Valuable for wild gardens, and for cutting. Packet, 5 cents.

Dwarf Varieties, Mixed — Valuable for small mixed beds and borders. Packet, 5 cents.

Double Mixed, all colors. Packet, 10 cents.

Canary Bird Vine
15 to 20 feet
A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. Does well in the shade. Packet, 10 cents.

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 spikes of snowy white flowers, habit sturdy and compact. Packet, 10 cents.

Dwarf, Hybrids, Mixed — Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush to lilac and purple crimson. Packet, 10 cents.

Mixed, all Colors — Packet, 5 cents.
Chrysanthemums

Chrysanthemum, Annual

Single Flowering Varieties

Morning Star — Primrose with golden yellow center. Packet, 5 cents.

Carnation Eclipse — Yellow with dark brown disk. Packet, 5 cents.

Burridgeanum — Banded with crimson, white and yellow. Packet, 5 cents.

Golden Feather — Foliage striking yellow; flower with a crimson ring near center. Packet, 5 cents.

Mixed Single Varieties — Packet, 10 cents.

Double Mixed — Packet, 5 cents.

Mixed — Single and double sorts, including many new varieties. 1½ ounces 25 cents; packet, 10 cents.

Carnations

Easily grown either in flower-beds, borders, or pots.


Giant Margaret Mixed — Flowers of very large size, measuring 3 inches or more in diameter; colors include all the shades of white, pink, crimson and striped. Packet, 100 seeds, 15 cents.

Grenadin — Perennial, mixed, packet, 10 cents.

Chrysanthemums

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. Packet, 15 cents.

Dwarf Plumosa Mixed — Good for pots. Packet, 10 cents.

Clarkia

2 feet

Clarkias are summer annuals perfectly hardy, and can be grown in ordinary soils.

Apple Blossom — Double apple blossom, pink.

Brilliant — Double salmon scarlet.

Queen Mary — Lovely rose carmine.

Double and Single Mixed.

Each of the above, packet, 10 cents.

Collinsia

Mixed — 18 inches. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Packet, 10 cents.

Cypress Vine

10 feet

It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly ornamental.

White — Packet, 5 cents.

Scarlet — Packet, 5 cents.

Mixed — ½ ounce, 20 cents; packet, 5 cents.

Ivy-Leaved Scarlet — A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Packet, 10 cents.

Cyclamen

(Alpine Violet) — 1 foot

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

Giant Flowered Cyclamen — Mixed extra choice. 10 seeds, 20 cents; 20 seeds, 30 cents; 100 seeds, $1.20

Centaurea Cyanus

Coreopsis

One of the most popular hardy perennials, of a graceful form, blooming June to October.

Lanceolata Grandiflora — 2 feet. Large, orange-yellow flowers on long graceful stems. About the best yellow cutterflower blooming incessantly. Packet, 10 cents.

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 fialce. Seed should be sown edgewise. Very vigorous and prolific bloomer. Packet, 5 cents.

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. Packet, 10 cents.

Centaurea Cyanus

(Ratchetor's Button or Cornflower) — 2 feet

One of the most valuable blue flowers for the border. Re-seeds itself and may be used for naturalizing purposes. The double flowers are finest.

Single — Mixed, all colors. ½ ounce, 15 cents; packet, 5 cents.

Double Flowering Varieties — White, Blue, Pink and Rose Shades, Purple, Double Mixed, Dwarf Victoria, 9-inch Edging, blue. Each of the above, packet, 10 cents.

Mixture of double and single varieties. 1 ounce, 60 cents; packet, 10 cents.

Montana Blue — 2 feet. Beautiful blue perennial Cornflower. Has thistle-like flowers. Excellent for the hardy border or wild garden. Packet, 10 cents.
Centaurea Imperialis
(Sweet Sultan)
The beautiful sweet scented flowers are borne on long, strong stems; when cut will last for several days in good condition.
White, Dark Lilac, Brilliant Rose, Purple Crimson, Deep Lavender, Mixed, all colors.
Each of the above, packet, 10 cents.

Centaurea
Dusty Miller
Candidissima — 10 inches. Thick silvery white leaves, used for bedding purposes. Packet, 10 cents.
Gymnocarpa — 1 1/2 to 2 feet. Foliage finely cut of silvery gray color, used for bedding. Packet, 10 cents.

Dianthus
(Garden Pinks) — 1 foot
A popular annual variety distinguished for brilliant, contrasting colors appearing in each flower.
Single Flowering
Mirabilis — (Single Wonder Pink) — The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish. Packet, 10 cents.
Japan Single Mixed — Great range of colors. Packet, 5 cents.
Lacinatus Splendidus — The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. Packet, 20 cents.

Double Flowering
Chinese Double Mixed — Blooms in clusters, flowers very double and in a large range of colors. Packet, 5 cents.
Diacematus Double Mixed — Beautiful flowers in various shades with the outer edges fringed and almost white. Packet, 5 cents.
Lacinatus Double Mixed — Flowers deeply lacinated. Packet, 10 cents.
Mixture of Double Pinks — Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. Packet, 10 cents.

Centaurea Imperialis

Perennials
(Clove Pinks)
Double Mixed — Fine for cutting. Packet, 10 cents.

Escholtzia
(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.

Escholtzia

Ammobium Alatum Grandiflorum — 2 1/2 feet. Packet, 10 cents.
Gomphrena (Globe Amaranth) — Mixed, all colors. Packet, 5 cents.
Helichrysum (Strawflower) — 2 to 3 feet. Packet, 15 cents.
Rhodanthe — 1 foot. Mixed colors. Packet, 10 cents.
Statice Russian (Sowworosi) — 1 foot. Packet, 15 cents.
Statice Sinuata — Mixed, Packet, 10 cents.
Xeranthemum Double Mixed — 2 feet. Packet, 10 cents.

Digitalis
(Foxglove)
These produce spires of blossoms three to five feet high.
Gloxiniaeflora, Mixed Colors — Packet, 10 cents.
Purpurea Mixed — Many colors. Packet, 10 cents.
Gaillardia  
*(Blanket Flower)*  
They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.  
**Annuals**
- **Ammobdon** — Deep red. Packet, 10 cents.  
- **Picta Single Mixed** — Packet, 5 cents.  
- **Lorenzia Double Perfection Mixed** — Large handsome heads of double quilled flowers in rich shades of red and yellow. Packet, 5 cents.  
**Perennials**
- **Grandiflora Mixed** — Composite flowers, variegated with shades of red and yellow. Packet, 10 cents.  
- **New Hybrids** — Very large flowers, in a great variety of colors. Packet, 25 cents.  

Godetia  
1 1/2 feet  
The plants bloom profusely and bear showy flowers of satiny texture in a rather poor soil.  
**Many Sorts and Colors Mixed** — Packet, 5 cents.  
**Double Mixed** — Packet, 10 cents.  
**Dwarf Sorts Mixed** — Neat globular, about 10 inches in height. Packet, 10 cents.  

Gomphrena  
*(Globe Amanthus)*  
A showy annual everlasting with clover-like heads.  
**Mixed all colors** — Packet, 5 cents.  

Lupinus  
**Annual Mixed** — Packet, 5 cents.  
**Perennial Mixed** — Packet, 10 cents.  

Grasses  
**Ornamental Mixed** — 2 to 5 feet. These are most useful for winter bouquets when combined with everlasting flowers. They are easily grown in any soil. Packet, 10 cents.  

Helichrysum  
*(Strawflower)*  
Helichrysums are an ornament to the garden when growing and are everywhere prized for the winter bouquets.  
**Mixed all colors** — Packet, 5 cents.  

Heliotrope  
2 feet  
Heliotrope is a universal favorite on account of its delightful fragrance. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbensas.  
**Mammoth Mixed** — Flowers of great size and ranging in shade from dark blue to lilac. Packet, 15 cents.  
**Fine Mixed** — Packet, 10 cents.  

**Hollyhocks**  
*(Annual)* — 5 feet  
The perennial varieties only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.  
**Annuals**
- **Everblooming Single Mixed** — Large single flowers, exhibiting every shade known in Hollyhocks. Packet, 5 cents.  
- **Everblooming Double Mixed** — Double and semi-double. Packet, 10 cents.  
**Perennials**
- **Double Varieties**
  - White.  
  - Marine Rose.  
  - Black.  
  - Salmon.  
  - Yellow.  
  - Crimson.  
  - Blood-Red.  
  - Each color. Packet, 10 cents.  
- **Double Mixture** — Finest shades in perfect flowers. Packet, 10 cents.  
- **Single Varieties**
  - More permanent and harder than the double and will last for years when once established.  
  - Red, Pink, Black, Flesh, Rose, White.  
  - Salmon, Mixed. Each packet, 10 cents.  

Kochia  
The New Giant (Summer Cypress, Burning Bush) — Grows 2 to 2 1/2 feet high and resembles a close-ellipted 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. 1/2 ounce, 15 cents; packet, 10 cents.  

Lavatera  
2 1/2 feet  
The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom.  

Lobelia Erius Compacta  
This charming class forms compact little bushes about 6 inches high and are fairly setted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.  
**Bedding Queen** — Dwarfet, best for ribbon bedding. Flowers deep purple violet, with clear white eye. Packet, 10 cents.  
**Mixed** — Packet, 5 cents.  

Larkspur  
*(Annual Delphinium)*  
These handsome Larkspurs are very effective in borders and planted among shrubs. Sow seed in the open border either in early spring or late fall so germination may take place very early.  
**Stock-Flowered**
- Dark Blue, Exquisite Pink, Flesh Pink, Lilac, Lustrous Carmine (Newport Pink), Sky Blue, White.  
  - Each of the above, packet, 10 cents.  
  - Mixed, all colors — 1 ounce, 60 cents.  
  - 1/2 ounce, 20 cents. Packet, 5 cents.  
- **Giant Hyacinth-Flowered Mixed** — 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Packet, 5 cents.  

Lavender Lace Flower  
*Didiscus coereus* — 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. Packet, 10 cents.  

Linum  
**Grandiflorum Rubrum (Crimson Flax)** — 2 feet. One of the most brilliantly colored of summer annuals, flowers glowing crimson. May be had in bloom from May to October by successive sowings. Packet, 5 cents.  
**Perennial Mixed** — Packet, 10 cents.  

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This charming class forms compact little bushes about 6 inches high and are fairly setted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.  
**Bedding Queen** — Dwarfet, best for ribbon bedding. Flowers deep purple violet, with clear white eye. Packet, 10 cents.  
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- Dark Blue, Exquisite Pink, Flesh Pink, Lilac, Lustrous Carmine (Newport Pink), Sky Blue, White.  
  - Each of the above, packet, 10 cents.  
  - Mixed, all colors — 1 ounce, 60 cents.  
  - 1/2 ounce, 20 cents. Packet, 5 cents.  
- **Giant Hyacinth-Flowered Mixed** — 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Packet, 5 cents.
Perennial Larkspur (Delphinium)

Few plants are so handsome as the perennial Larkspurs. The most important are the tall hybrids, varying from 1 to 6 feet, and from the palest lavender through every conceivable shade of blue to deep indigo.

Chinese Mixed — Packet, 10 cents.
Double Mixed — 3 feet; packet, 15 cents.
Formosum — 3 feet; deep blue, white eye, open spike. Packet, 10 cents.
Belladonna (Light Blue) — 2 feet; flowers exquisite shade of turquoise blue. Packet, 20 cents.

Marigold (Tagetes)

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

Double Tall Varieties 5 Feet
Lemon Queen African — Packet, 10 cents.
Orange Queen African — Packet, 10 cents.

Tall African Mixed — Large double flowers. Packet, 5 cents.
Tall French Mixed — Large bushes covered with a multitude of small double flowers. Packet, 5 cents.
Dwarf French Double Sorts 10 Inches
Gold Striped — Velvety maroon, striped gold. Packet, 10 cents.
Dwarf French Double Mixed — Low bushes covered with small flowers. Packet, 5 cents.

Mixture of Dwarf Marigolds Double and Single Varieties — These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. ½ ounce, 20 cents; packet, 10 cents.

Single Dwarf Varieties
Legion of Honor — Flowers rich golden yellow, marked with velvety brown. Best for edging. Packet, 10 cents.
Signata Pumila — A dwarf, compact, bushy plant, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright golden yellow. Packet, 10 cents.

Morning Glories

Convolvulus Major — Tall Varieties
White, rose, crimson, striped, dark blue, lilac. Each of the above, packet, 5 cents. Any 6 packets for 20 cents.
Mixed all colors — 1 pound, 60 cents; ½ pound, 25 cents; 1 ounce, 10 cents; packet, 5 cents.

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 — 1 ounce, 15 cents; packet, 5 cents.

Ipomoea Imperialis (Japanese Morning Glory) Mixed

The Japanese Morning Glory requires a warm situation. The south 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. 1 ounce, 15 cents; packet, 5 cents.

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 satiny pink, and are followed by curious seed pods. Packet, 10 cents.

Moon Vine

Ipomoea Mexicana Grandiflora Alba (White Moon Flower) — Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Packet, 10 cents.
Ipomoea Mexicana Grandiflora Giant Pink — Soft lilac pink flowers. Packet, 10 cents.

Nicotiana (Sweet Scented Tobacco Plant) 2 Feet
One of the easiest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.

Marigolds African

Indigo — 4 feet; pure indigo blue, comes true from seed. Packet, 25 cents.

Marigolds French

Afnis — Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. Packet, 5 cents.
Sanderae — Bearing beautiful rosy carmine flowers. Packet, 5 cents.

Nigella

(Love in the Mist) Mixed, 1¼ Feet
Miss Jekyll — A lovely variety, bearing on long stems large semi-double of a lovely tender blue, nestling in fine feathery foliage. Packet, 10 cents.
Nasturtiums

These graceful flowers are so thrifty, they do so well in poor soil, and are so 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. Inside the house, the orange, pink and red blossoms give a luminous color accent. The dwarf varieties are excellent for edging, particularly when one color is used to carry out a color scheme. The tall growing types are valuable for trailing from window boxes, or use on fence or trellis.

Dwarf Type

Aurora — Chrome yellow blotched crimson.

Beauty — Scarlet splashed canary.

Bronze — Burnt bronze color, dark leaved.

Chameleon — Flowers of quite distinct coloring on one and the same plant.

David Burpee — Velvety purple-scarlet flowers, foliage wavy emerald green.

Empress of India — Very dark leaves, crimson flowers.

Golden King — A golden yellow.

King of Tom Thumbs — Intense deep scarlet, dark foliage.

Lacinatum Mixed — The flowers are deeply lacinated and appear in many attractive colors.

Lady Bird — Orange, striped bright scarlet.

Pearl — Creamy white.

Ruby King — Ruby red, dark leaved.

Yellow.

Golden Cloth — The foliage is of bright yellow, while the flowers are intense scarlet.

Ivy Leaved Mixed — Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.

Queen of Tom Thumbs, Mixed.

Spencer, Mixed — The curly foliage is very unique and the flowers appear in many bright colors.

Dwarf Mixed.

Price, any of above, packets, 5 cents; ounce, 15 cents.

Lobb's Nasturtiums

6 Feet

This class has intensely brilliant colors and flowers, which are a trifle smaller than those of other sorts.

Black Prince — Velvety black flowers, dark foliage.

Blushing Beauty — Ivy leaved. Flowers soft yellow, spotted with terra cotta.

Cardinal — Scarlet flowers, dark foliage.

Firefly — Foliage rich and dark, flowers rosy salmon underlaid with bright golden yellow.

Tall Growing Nasturtiums

Flamingo — Magnificent lacinated orange flowers.

King of the Blacks — Black-red, dark leaves.

Queen Emma — Variegated leaves, deep scarlet flowers.

Queen of the Morning — Variegated leaves, flowers aurora colored.

Virchow (Rose Queen) — The best pink.

Price, each of the above, packets, 5 cents; ounce, 15 cents.

Lobb’s Mixed — 1 ounce, 10 cents; packet, 5 cents.

Tall Type

Green and Dark-Leaved Varieties

Emperor of India — Very dark foliage.

Rich, deep scarlet flowers.

Twilight — Yellow, marbled salmon rose.

Vesuvius — Salmon rose, dark leaved.

Variegated-Leaved Varieties — Many colors mixed.

Packet, 5 cents.

Tall Mixed

All sorts. 1 pound, $1.00; 1/2 pound, 50 cents; 1 ounce, 10 cents; packet, 5 cents.

Lobb’s Nasturtiums

9 Feet

This class offers flowers of all sorts, from the dark scarlet to the softest salmon, and every wild color between.

Price, each of the above, packets, 5 cents; ounce, 15 cents.
Mignonette  
(Reseda) 6 to 12 Inches

No garden is complete without this fragrant plant of unassuming mien. 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. 1 ounce, 20 cents; packet, 5 cents.  
Machet — 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. ½ ounce, 25 cents; packet, 10 cents.  
Mixed — Many shades and types. Packet, 5 cents.

Mirabilis  
(Marvel of Peru or Four O'Clocks) 2 Feet

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet.  
Mixed, all sorts and colors — ½ pound, 40 cents; 1 ounce, 15 cents; packet, 5 cents.  
Dwarf Mixed — 12 in packet, 5 cents.  
Sweet-Scented (Lonicera Alba) — White. Packet, 5 cents.

Myosotis  
(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 flourish in shady, moist situations.  
Alpestris Blue — Trailing habit. Packet, 5 cents.  
Alba — White. Packet, 5 cents.  
Rosea — Pink. Packet, 5 cents.  
Elsa Fotherby! — Flowers large, sky blue, with clearly defined white eye. Packet, 10 cents.

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 tulips. The violas will live over winter with a heavy mulch for protection, and are splendid for bedding.  
Best Giant Mixture — It includes the rich colors, reds, coppers and bronzes, together with the most delicate rose-pink shadings. 1 packet, 15 cents.  
Masterpiece (New Giant Curled or Spencer Pansies) — The petals are crimped and curled so the flowers appear double. Packet, 25 cents.  
Mixture of Orchid Flowered Varieties — Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. Packet, 15 cents.  
Paris Market — An improved strain of Trimardeau, with better flowers and more compact habit. ½ ounce, 40 cents; packet, 10 cents.  
Pretiosa — Each petal has a large blotch of deep violet on crimson background, with white edge. Packet, 15 cents.  
Rosy Morn — A bright purplish crimson margined with a clear white edge. Packet, 15 cents.  
Ruby Red — Packet, 15 cents.  
Violet Blue — A very pleasing shade. Packet, 15 cents.  
Pure White — Pure white without blotches. Packet, 15 cents.  
Pure Yellow — Golden yellow without blotches. Packet, 15 cents.  
Bedding Mixed — Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. ½ ounce 40 cents; packet, 10 cents.

Viola Cornuta  
(Tufted Pansies) 3-6 Inches

Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.  
Scotch Pansies — Produce flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Packet, 25 cents.  
Cornuta Mixed — Packet, 10 cents.
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.

Finest Mixed — 3/4 ounce, 25 cents; packet, 10 cents.

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

Carmen Sylva — Baby blue with white throat. Packet, 10 cents.

Improved Rosy Morn — The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots, and beds. Packet, 300 seeds, 25 cents.

Norma — Blue with white star. Packet, 10 cents.

Dwarf Inimitable — Regular white stars on deep old rose ground. Very effective in masses. Packet, 10 cents.

Snowball — A fine compact sort, producing its pure satiny-white flowers throughout the entire season. Packet, 15 cents.

Mixture of Dwarf Small Flowering Varieties — Includes all the above and many others and will furnish an unending supply of flowers in a bewildering combination of colors as long as the summer lasts. 3/4 ounce, 40 cents; packet, 10 cents.

Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches in diameter.


Balcony White — A beautiful trailing variety. Packet, 15 cents.


Brilliant Rose (Plain Edged) — Packet, 150 seeds, 25 cents.

Brilliant Rose Fringed — Packet, 150 seeds, 25 cents.

White — Packet, 150 seeds, 20 cents.

Royal Purple — This makes a beautiful combination if planted with the preceding. Packet, 150 seeds, 20 cents.

Large Flowering Fringed Mixed — A superb strain of elegant, finely fringed flowers, measuring over 4 inches in diameter; remarkable variety of color. Packet, 200 seeds, 15 cents.

Single Giant Flowering Varieties

The flowers of this strain average 5 to 7 inches across and are wonderful.

Giants of California Mixed — The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Packet, 200 seeds, 15 cents.

Giant Empress — Lilac blue with purple veins.

Giant White — With yellow throat.

Giant Silvery Rose — New.

Giant Rose — Very pretty.

Giant Black Prince — Darkest.

Each of the above, packets, 150 seeds, 25 cents.

Triumph of the Giants — The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across. Packet, 250 seeds, 35 cents.
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 airy 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**

**Admiral** — Glistening white, with a broad margin of brilliant scarlet. Packet, 10 cents.

**Brig** — Very large pure white, perfectly formed flowers. Packet, 5 cents.

**Danubro or Danish Flag** — Brilliant scarlet flowers, with a silver spot on each petal, forming a white cross. Packet, 5 cents.

**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. 1/2 ounce, 35 cents; packet, 10 cents.

**Hansa** — The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson. Packet, 5 cents.

**King Edward** — Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Packet, 5 cents.

**Mephisto** — Scarlet with black spots. Packet, 10 cents.

**Persian (Laevigatum or Friedag)** — Dark scarlet, black spots. Packet, 5 cents.

**Tulip (Glaucum)** — Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Packet, 10 cents.

**Umbrourum** — Rich vermilion flowers with a shining black spot on each petal. Packet, 5 cents.

**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. Packet, 15 cents.

**Rose Shirley** — Shades of rose and pink. Packet, 15 cents.

**Shirley Mixed** — Beautiful shades in delicate shades of rose, apricot, salmon-pink, and blush to growing crimson with a sprinkling of blues. Ounce, 10 cents; packet, 10 cents.

**Miss Sherwood** — Flowers shining, satiny white, the half of the corolla being a silky charmois rose. Packet, 5 cents.

**Eldorado** — 2 feet. 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. Packet, 10 cents.

**Eldorado Salmon Shades** — 2 feet. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Packet, 15 cents.

**Single Mixed** — Ounce, 20 cents; packet, 5 cents.

**Mixture Single Poppies** — This mixture includes all the above choice Poppies and many other kinds not listed. 1 ounce, 25 cents; packet, 10 cents.

**Double Annual Poppies**

**American Flag** — Flowers very large, snow white, scarlet bordered. Packet, 5 cents.

**Fairy Blush** — The flowers have the effect of large feathery balls, overcast with a rose shade. Packet, 10 cents.

**Giant Double Pure White** — Packet, 10 cents.

**Giant Double Pale Yellow** — Packet, 10 cents.

**Giant Double Pink** — Packet, 10 cents.

**Giant Double Cardinal Red** — Packet, 10 cents.

**Giant Double Lilac** — Packet, 10 cents.

**Iceland Poppies**


**Oriental Poppies**

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while for cutting they are invaluable. 3 feet.

**Annual Oriental** — A new strain of the Oriental Poppy, which will bloom the first year, if sown early. Packet, 25 cents.

**Princess Victoria Louise** — Large flower, soft lilac rose color. Packet, 15 cents.

**Oriental Red** — Very striking color. Packet, 10 cents.

**Oriental Hybrids, Mixed** — Packet, 10 cents.

**Portulaca**

(Rose Moss) 6 Inches

This plant will grow and bloom profusely in dry, hot situation, where almost any other plant would soon die. Easily transplanted.

**Large Flowering Single** — White, yellow, pink, striped, scarlet, mixed. Each of the above, packet, 5 cents.

**Large Flowering Double** — White, yellow, pink and scarlet. Each of the above, packet, 10 cents.

**Double Good Mixture** — 1/4 ounce, 30 cents; packet, 5 cents.

**Best Double Mixture** — 1/4 ounce, 50 cents; packet, 10 cents.
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.

Perennials

**Roseum, Double Mixed** — Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Packet, 25 cents.

**Roseum, Single Mixed** — Packet, 10 cents.

**Roseum Hybrida Grandiflorum, Single Mixed** — Packet, 15 cents

**Annual**

**Aureum (Golden Feather)** — 6 inches. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Packet, 10 cents.

Passiflora


Physalis

**Franchetti (Chinese Lantern Plant)** — 1½ feet. Flowers yellow with dark center. Produces balloon-like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Packet, 10 cents.

Pennisetum

**Longistylum** — 2½ feet. An Abyssinian grass with long, feathery, bearded bristles. Packet, 10 cents.

**Rueppelianum** — The spikes are longer and more graceful. Used to border canna beds. Packet, 10 cents.

Polemonium

**(Jacob's Ladder)**

**Coeruleum (Greek Valerian)** — 2 feet. Beautiful sky-blue spikes. Packet, 10 cents.

Primula Chinensis

(Chinese Primrose)

This is one of the most charming winter flowering house plants. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

Good mixture of single varieties. Packet, 15 cents.

**Malacoides** — 10 inches. The flowers are of a delicate shade of mauve, produced in whorls on tall graceful spikes in great profusion. Packet, 25 cents.

**Forbesi (Baby Primrose)** — 10 inches. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Packet, 15 cents.

**Primula Obconica** — This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

**Obconica Grandiflora Mixed** — Good mixture. Packet, 200 seeds. 25 cents.

**Gigantea Mixed** — Packet, 200 seeds, 25 cents.

**Perennials**

These Hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

**Auricula** — 6 inches. Flowers in early spring in colors of yellow, brown and red. Packet, 10 cents.

**Japonica Mixed** — Packet, 15 cents.

**Veris (Eliator)** — The pale yellow Oxlip, bearing flowers in umbels. Packet, 10 cents.

**Grandiflora** — An extra choice large-flowered mixed strain. Packet, 20 cents

Rudbeckia

**(Cone Flower)**

**Bicolor Superior** — 2 feet. Annual. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Packet, 10 cents.

**Perennials**

The Perennial Rudbeckias are very decorative plants for shrubbery, flower borders or side of carriage drives, thriving in any good garden soil.

**Pulidu** — Yellow. Packet, 10 cents.

**Large Flowered Yellow** — Packet, 10 cents.

**Newmani** — 3 feet. Rich golden yellow with central black disc. Packet, 10 cents.

**Purpurea** — New variety. Syn., Echinacea Purpurea (Purple Cone Flower) — 3 feet. September; large handsome crimson-purple flowers with dark central disc. Packet, 10 cents.

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. Packet, 10 cents.

Romneya

**Coulteri (California Tree Poppy)** — 5 feet. Flowers all summer. Beautiful snowy white fragrant flowers. Packet, 15 cents.

Ricinus

(Castor Bean)

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc.

**Camboogensis** — 6 to 8 feet. Large palm-like leaves of darkest maroon; stalk nearly black. 1 ounce, 20 cents; packet, 5 cents.

**Panormitanus** — 8 to 10 feet. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 ounce, 25 cents; packet, 10 cents.

Zanzibariensis Mixed — 10 to 12 feet. The ornamental leaves, beautifully lobed, are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage. 1 ounce, 15 cents; packet, 5 cents.

**Mixed** — Many sorts. 1 ounce, 15 cents; packet, 5 cents.

Phlox Drummondii

The Phloxes are the showiest and 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 the beds are a blaze of glory.

**Grandiflora Varities** — 1 Foot

This section has beautiful, round-petalled flowers which overlap each other.

**Alba** — Pure white

**Aurora-purpurea** — Black brown.

**Brilliant** — Rose with dark eye

**Carnea** — Flesh color.

**Chamois Rose**

**Coccinea** — Fiery scarlet.

**Coerulea Striata** — Blue striped.

**Crown Prince** — Salmony scarlet.

Isabellina — Yellow

**Eremesina Splendens** — Vivid crimson, with white eye.

**Gold Star** — Pink with gold star.

**Rosea** — Pink

**Violet**

Each of the above, packet, 10 cents

**Drumondi Mixed** — Good mixture, 1/2 ounce, 25 cents; flowers 5 cents.

**Cupidale Mixed** — Mixture of star-shaped flowers. Packet, 10 cents.

**Semi Double Varities Mixed**. Packet, 15 cents.

**Nana Compacta Dwarf** — 8 Inch

These are much superior to the other Phloxes for ribbon bedding or borders. The plants are very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

**Fireball** — Blood-red. Packet, 15 cents.

**Chamois Rose** — Packet, 10 cents.

**Snowball** — Pure white. Packet, 15 cents.

**Isabellina** — Yellow. Packet, 10 cents.

**Shy-blue with White Eye** — Packet, 15 cents.

**Salmon-Pink** — Packet, 15 cents.

**Nana Compacta, Mixed, all colors** — Packet, 10 cents.
Stocks

(Large Flowering)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine, dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

10 Weeks — 1 Foot
White, canary yellow, flesh, rose pink, crimson, light blue, mauve (water blue), dark blue, mixed.
Each of the above, packet, 10 cents; any 3 packets for 25 cents.

Giand Perfection "Cut and Come Again" — 1½ Feet
Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

Sweet William

(Dianthus Barbatus)

The varieties offered are an improvement on the old-fashioned kinds. Sweet William look well in solid beds of masses and resemble a good, rich, well-manured soil to grow them to perfection, excellent border plants and fine for cut flowers. Plants grow 18 to 24 inches high.

Single Varieties
Scarlet Beauty — A charming and distinct color. Packet, 15 cents.
Copper Red — A new and rich color. Packet, 15 cents.
Diodenatus — One of the prettiest; flowers rose, spotted and sprinkled with white. Packet, 10 cents.

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. Packet, 15 cents.

Niprescen — Almost black. Packet, 10 cents.
Pink Beauty — (Newport pink). Packet, 10 cents.

Salpiglossis

2½ Feet

Undoubtedly one of the most attractive annuals and should be in every garden. Each flower is veined with a glint of gold. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals.

Bright crimson, Faust black, pink, velvety violet, golden yellow.
Each of the above, per packet, 15 cents.

Mixed — Good quality. Packet, 5 cents.

Emperor Mixed — Large improved strain, complete range of colors. Packet, 10 cents.

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 packet, 10 cents; any 3 packets for 25 cents.

Mixed — The above and others. Packet, 5 cents.

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, Garavan's Hybrids — A grand strain bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Packet, 25 cents.

Wislonensis — ½ feet. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronze brown center. Packet, 15 cents.

Mixed, all colors — ½ ounce, 15 cents, packet, 5 cents.

Silene

½ Feet

Armeria Mixed (Catchfly) — A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Packet, 5 cents.
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.

America, or Globe of Fire — This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Packet, 25 cents.

Ostrich Plume — 2 feet. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed. Packet, 25 cents.

Fireball — 1½ feet. 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. Packet, 15 cents.

Clara Bedman or Bonfire — 2 feet. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Packet, 10 cents.


Heliannthus (Sunflower)
These comprise plants of majestic growth and immense showy flowers, suitable for shrubbery, woodlands, wild gardens and sub-tropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders.

Annuals

Large Flowered Tall
Annuus Purpureus, Gallardia-flowered or Red Sunflower — 4 to 8 feet. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. Packet, 10 cents.

Argyrophyllus — 4 feet. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. Packet, 2 cents.


Double Mixed — Packet, 5 cents.


Russian Mammoth — Single, of gigantic dimensions. For larger amounts see Farm Seed pages. 1 ounce, 5 cents.

Stripped — Mostly light colors with red and blue stripes. Packet, 10 cents.

White — Drop heads of finely shaped white flowers. Packet, 10 cents.

Mayflower — Various shades of pink. Packet, 10 cents.

Firefly — Intense red. Packet, 10 cents.

Purple Shades — Dark purple. Packet, 10 cents.

Mammoth Mixed — Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. ¼ ounce, 40 cents; packet, 10 cents.

Hybriida Gigantea — A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. Packet, 15 cents.


Citrodera (Lemon Scented Verbena) — An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Packet, 10 cents.

Verbenas
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.

Hybrida

Defiance — An intense scarlet. Packet, 10 cents.

Dark Blue with White Eye — Packet, 10 cents.

Lutea — Yellow. Packet, 10 cents.

Helianthus
Sweet Peas

SWEET PEAS possess the delicacy of color and petalage of the orchid; and are easy to grow wherever rich soil, and cool, moist weather can be given them. They must be sown early, and deeply, and be given room. Do not crowd them. Hot, dry weather will end their flowering, but they are unsurpassed in their season.

Butterfly or Spencer Varieties

Spencer Varieties Mixed — Special — This mixture is made from named sorts of the late flowering or spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Per packet, 10 cents.

Agricola — Fine large white slightly flushed lilac. Per packet, 10 cents.

Alexander Malcolm — Fine cerise toned orange scarlet. Per packet, 10 cents.

America — Carmine stripe on white. Per packet, 10 cents.

Appleblossom — Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose. Per packet, 10 cents.

Aurora — Orange rose striped on white. Per packet, 10 cents.

Blanche Ferry — Standard bright carmine rose and wings white, suffused and tinted with light pink. Per packet, 10 cents.

Blue Monarch — Dark blue. Per packet, 10 cents.


Constance Hinson — Of enormous size. The best white for outdoor planting. Per packet, 10 cents.

Countess Spencer — Clear pink deepening somewhat towards the edge. Per packet, 10 cents.

Dobbe's Cream — Deep cream or primrose. Per packet, 10 cents.

Edith Taylor — Bright salmon rose self. A new shade between salmon and shell pink. Per packet, 10 cents.

Elfira Pearson — Large deep blush waved buds and young flowers having a bronze sheen. Per packet, 10 cents.

Empress Eugenie — Soft lavender flake on white. Per packet, 10 cents.

Fiery Cross — A new shade of red, Turkey or military red. Per packet, 10 cents.

Florence Nightingale — Lavender. Per packet, 10 cents.

George Herbert — Bright rose carmine. Per packet, 10 cents.

Helen Pierce — White marbled and veined blue. Per packet, 10 cents.

Hercules — A rich pink flower, waved. Per packet, 10 cents.

Illuminator — Bright salmon, cerise sparkling with orange. Per packet, 10 cents.

Jean Ireland — Beautiful cream color edged with deep pink. Per packet, 10 cents.

King Edward VII — Rich waved crimson. Per packet, 10 cents.

King Manoe — Giant chocolate maroon self. Per packet, 10 cents.

King Mauve — Mauve self. Per packet, 10 cents.

Loyally — Blue striped waved. Per packet, 10 cents.

Mascol's White — A large waved white of good substance. Per packet, 25 cents.

Masterpiece — Clear lavender self, slightly flushed rose on standard. Per packet, 10 cents.

Mrs. Cuthbertson — Standard is light rose pink, wings white flushed pale rose pink. Per packet, 10 cents.

Mrs. Hugh Dickson — A pale salmon pink on cream ground, strong grower. Per packet, 10 cents.

Mrs. W. J. Unwin — White ground, glowing orange scarlet flakes and stripes. Per packet, 10 cents.

New Buttercup — A deep cream. Per packet, 10 cents.

New Miriam Beaver — Soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink. Per packet, 10 cents.

R. F. Felton — The best lavender. Per packet, 10 cents.

Rosabelle — A very large bright waved rose. Per packet, 10 cents.

Royal Purple — The best purple. Per packet, 10 cents.

Senator — Clarlet and chocolate stripe on light heliotrope ground. Per packet, 10 cents.

Stirring Stent — A bright salmon colored flower. Per packet, 10 cents.
Zinnias

This most gorgeous annuals with a wonderful range of color. Beautiful old rose, dainty cream, striking red and brilliant yellow flowers of velvety texture, extremely double with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. The Colossal produce such enormous blooms they appear as greenhouse Chrysanthemums that have made their time and place of flowering. If you plant but one annual, plant this, taken up when in full bloom and transplanted without any visible effect.

Dahlia Flowered

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.

Scarlet Flame — Bright scarlet with blending of orange. Packet, 25 cents.
Orange — Orange and gold. Packet, 25 cents. Packet each above, 7 for $1.50.
Dahlia Flowered, Mixed — All the above and others. Packet, 25 cents; 3 packets for 65 cents.

Elegans Fl. Pl.

Double Flowered

2½ feet

Double Good Mixed — ½ ounce, 25 cents; packet, 5 cents.

Giant Flowered or Colossal

3 feet

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for grouping or cutting.

White, Cream, Buttercup (Deep Primrose), Apricot Yellow, Flesh Color, Salmon Shade, Shrimp Pink, Pink Shade, Golden Yellow, Sulphur Yellow, Orange, Scarlet, Violet, Purple.

Each of the above, packet, 10 cents; any 3 for 25 cents.

Colossal Zinnias, Mixed — The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ½ ounce, 30 cents; packet, 10 cents.

Liliput Double

12 inches

The plants form handsome little bushes and finely bristled with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. Bloom all summer until late in the fall.


Pumila Double

18 inches

Extra double flowers, produced on regular dwarf plants.

Fire Ball, packet 10 cents. Old Rose, a very pleasing and charming shade, packet 10 cents.

Pumilia, Mixed, all colors — Packet, 10 cents.

Red Riding Hood — 1 foot. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. Packet, 10 cents.

Mexicana Hybrida — 12 inches. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. Packet, 15 cents.

Mexicana Fl. Pl. — 15 inches. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Packet, 10 cents.
FLOWERING PLANTS

FOR BEDDING (Seeding Plants—Flat Grown)

The following plants are raised from the choicest grade of seeds, and will surely please the most particular. They are able to supply them fresh from our greenhouse, from April 25 to June 25, and are very strong, transplanted, flat grown stock. If wanted by mail, add 10c per dozen for postage. Price: 75c per dozen; $4.00 per 100.


POTTED PLANTS (From Cuttings)

Ready from April 15 to June 15. Price: By express.

If wanted by mail, add 25c each or 40c a dozen.

Size Each Doz.
Begonia Vernon 2½ in. 25c $2.00
Colver 2½ in. 25c 2.00
Geraniums, Double 3 in. 30c $3.00
Geraniums, Variegated 2½ in. 25c 2.00
Geraniums, Ivy-leaved 3 in. 30c 3.00
Petunias, Giant Double-Fringed 2½ in. 25c 2.00
Petunia, Single Fringed 2½ in. 25c 2.00
Variegated Vinca 2½ in. 25c 2.00

Summer Flowering Bedding Plants Liberty Park, Salt Lake City.

P-W'S PANSY PLANTS

Without qualification these plants are excellent. They will justly bear the name of every color and markings. Grown with utmost care from the world's best mixtures of Pansy seeds. Each plant blooms about April 1. Price—75c per dozen, postpaid.

HARDY FERNS

Suitable positions for Hardy Ferns are to be found in almost every garden. With few exceptions they do best in a shady or semi-shady position in rich, slightly acid soil, where they can be liberally supplied with water during dry weather. Assorted Varieties 65c each; 25c each; 50c dozen, postpaid.

CALADIAM OR ELEPHANT EAR

Plant in rich soil and give plenty of water. With such treatment a selected size bulb will make a plant about four feet high, with leaves three feet long and 20 inches wide. First size large bulbs, each, 35c; Dozen $3.00, postpaid.

CALADIUMS (Fancy-Leaved)

Wonderfully attractive window or porch border. Grow in shade or semi-shady places. Price 45c each; $5.50 per dozen.

CALLA (Golden Yellow)

This lovely variety has found a hearty response with all. The flowers are as large and the same shape as with the variety but of a rich golden yellow; foliage is dark green spotted with cream, with a truly striking plant and much admired everywhere. Large bulbs 35c each; $5.50 per dozen, postpaid.

CINNAMON VINE (Dioscorea 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; $1.50 per dozen postpaid.

LILY LILLIES

Plant very early in spring. Above, Pansies. Flowers white, dotted crimson, with a clear golden band running through the center—very fragrant. Each 45c; 3 for $1.20, postpaid.

Speciosum Rubrum (Crimson Branded). White, with deep rosian band on each petal, with deeper colored spots between. Each 40c; 3 for $1.10, postpaid.

Tigrinum (Single Tiger Lily). Very pretty. Each 25c; per dozen 50c, postpaid.

Tigrinum (Double Tiger Lily)—Very popular. Each 25c; per dozen $1.50, postpaid.

FLAG IRIS (Germanica)

Avoid planting too deep, barely covering the rhizomes (creeping root stems) being sufficient. Where water is not obtainable in the Flag Iris varieties are most suitable as they are great drouth registers. We offer the following choice named varieties:

Early:—Fiery opalescent, purple-gold. Each 30c; dozen $3.00.

Fairy.—White, fringed blue. Each 25c; dozen $2.50.

Florentina.—White, veined violet. Each 25c; dozen $2.50.

Ideal.—Golden yellow and brown. Each 30c; dozen $3.00.

Kharput.—Violetpurple. Each 3c; dozen $2.50.

Lohenberg.—Large handsome silvery mauve. Each 35c; dozen $3.50.

Lovely.—Golden yellow. Each 25c; dozen $2.50.

Pallida Dalmatica.—Green-lavender blue. Each 40c doz. $4.00.

All Colors Mixed, 15c each; $1.50 per dozen.

DOUBLE PEONIES

See Fall Catalog for Complete List of Peonies, from Early to Late. $4.00 each; $25.00 per dozen.

Edulis Superba.—Color a beautiful bright clear pink, with silvery reflex. 50c each; $5.50 per dozen.

Felix Creusae.—Large, ball-shaped bloom; very brilliant red. 90c each; $8.00 per dozen.

Festiva Maxima.—The finest white, 5c each; $5.00 per dozen.

Madam Louise Calot.—Milky-white, flecked with crimson, mid-season. Each 75c; dozen, $7.00.

Meissnianus.—(Syrn. American Beauty)—Midseason. Very brilliant crimson. 75c each; $7.00 per dozen.

Umbellata Rosa—Rose type; very early. Large, violet-rose shading to an amber-white center. 70c each; $7.00 per dozen.

CANNAS

The Canna is one of the most beautiful of all bulbous plants. Plant out-of-doors in the middle of May when weather is warm and settled. Do not water too freely until well started, then they should have plenty of water. See Catalog for all varieties. Each 45c; 25c per dozen; $6.00 per 100, postpaid.

MONTBRETIA

One of the following of our summer-flowering bulbs, and should be set out during April or May. They should be protected in the winter with a heavy covering of leaves or litter. Mixed Colors—splendid assortment, 15c each; $1.50 per dozen; $12.50 per 100, postpaid. Specials.

FADERIA 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 15c; $1.50 per dozen postpaid.

CANNAS

The Canna is one of the most beautiful of all bulbous plants. Plant out-of-doors in the middle of May when weather is warm and settled. Do not water too freely until well started, then they should have plenty of water. Plant 18 inches apart.

Apothecary.—Large apricot color; green foliage, 4 feet.

City of Portland.—Bright rose pink, green foliage, height 4 feet. A free flowering vigorous grower.

Yellow King Humbert.—A sport from the yellow leaved red flowering King Humbert. Flowers are yellow dotted orange-scarlet. 4½ feet.

Placed—Flowers yellow spotted brown, green foliage height 5 feet.

Mad Cozy—Flowers vermilion with gold; green foliage, height 5½ feet.

The President.—The greatest red Canna, possessing every desirable quality. Of immense size, unsurpassed in vigor, penetrating color, and a fine bloomer. 4½ feet.

TUBEROSE

Double Dwarf Pearl—Snowwhite, delightfully fragrant. Each 10c; Dozen 75c, postpaid.

MIXED PLANTS—A selection of the finest varieties of all the plants grown by us. Price $10.00 per 100, shipped by express only.
GLADIOLUS (Sword Lily)

A succession of bloom may be had from July to October by making plantings two weeks apart to the end of June, and being 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; 50 and over.

America—A beautiful soft pink, Each 6c; per dozen 60c; $4.00 per 100.

Baron Hublot—The only real blue Gladiolus on the market. Each 10c; dozen $1.00; $7.50 per 100.

Chicago White—Pure white, lightly marked with lavender. 8c each; 75c per dozen; $5.00 per 100.

Cracker Jack—Dark red throat, spotted with orange. 8c each; 75c per dozen; $5.00 per 100.

E. J. Shayler—Splendid new pure deep pink, ruffled. 11c each; $1.40 per dozen; $9.00 per 100.

Evelyn Kirtland—Rosy pink shading to pale pink, scarlet blotches on lower petals. 5c each; 80c per dozen; $6.00 per 100.

Gretchen Zang—Pink, shading to scarlet on lower petals. 10c each; $1.00 per dozen; $8.00 per 100.

Halley—Large open flowers of a delicate salmon pink; very early. 6c each; 50c per dozen; $4.00 per 100.

L. immaculata—Pure white, 12c each; $1.15 per dozen; $8.50 per 100.

Mrs. Frances King—A striking shade of scarlet. Each, 7c; dozen, 70c; $5.40 per 100.

Mrs. Frank Pendleton—A lovely salmon pink with brilliant deep red blotches in the throat. Each 10c; dozen $1.00; $8.75 per 100.

Niagarna—Beautiful cream, blending to yellow, throat splashed with carmine. Each 10c; dozen $1.00; $8.00 per 100.

Welsh Hammer—Pale livid pink, upper petals tinted slightly darker. 7c each; 75c per dozen; $5.50 per 100.

Yellow Hammer—Pure yellow, lightly marked with red in the throat. 10c each; $1.00 per dozen; $7.00 per 100.

Deliveries-Charges on all Gladiolus

Plant when danger of frost is over. If possible plant in an open, sunny situation. Prepare the soil thoroughly by deep diggering. Be moderate in the use of both manure and water.

DAHLIAS

Type of Peony flowered Dahlia

Pompon Dahlias

These miniature are very attractive for cut flowers. The plants produce a wealth of bloom during the entire season. See cut page 48.

Achilles—Beautiful lavender.

Amber Queen—Amber, shaded apricot.

Coral carmine pink.

Madeline—Pale primrose edged purple.

Prince Charmant—Cream tipped purple.

Snowbird—Fine white.

Sunbeam—A fine crimson.

Any of above 25c each; $2.50 per dozen.

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 Novelty and Special Merit Dahlias

Attraction—(Hybrid Cactus). Large, elegant flowers of a clear rose; long, strong stems. 50c each.

George Walters—(Hybrid Cactus). One of the largest of all Dahlias; measures from 7 to 9 inches without disfiguring. Stems very long and wiry. Color, salmon pink, shaded to old gold. $1.00 each, postpaid.

Happy Dream—(Peony). Plant ideal in growth. Stems long and wiry, holding the flower to full view. Flowers large and of good substance. Color bright pink, shaded lavender pink. Fine in all points. 75c each.

Jessie Seal—(Peony flowered). A true rose color, like the Dahlia family clear old rose. A pleasing and popular shade, very large. Each $1.00.

J. D. Long—(Decorative). Flowers are full and well formed. Stems are long and rical, holding the flower erect, Color, a blending of amber tints of salmon pink, amber and bronze. $1.00 each.

Kauf. (Hybrid Cactus). A truly majestic flower, frequently measuring over six inches in diameter, 50c each.

Lucy Davis—There is nothing that surpasses the perfect decorative type. Stems are long; 18 inches, very straight and wiry. The golden apricot, enhanced with shading. $1.00 each.

La Grande Lisette—(Flowers of Limonium). An immense, open purple holding its slightly twisted broad petals erect on strong stems often measuring 20 inches long, 50c each.

All Dahlias are Prepaid at Above Prices

DAHLIAS

Millionaire—(Decorative type)—Gold Medal Dahlia. Most delicate lavender with faint pink cast overshadowing it, the whole having a blending of white. $1.00 each.

Mrs. Carl Salsich—(Decorative). Stems are exceptionally long, holding the flower erect. Color, soft lavender-pink. Among the very best of recent introductions. 50c each.

Mrs. L. De Ver—(Decorative).—One of the finest dahlias ever introduced. A charming, deep mauve pink or cattleya (orchid) color. Extra strong grower, producing its gigantic blossoms freely and rigidly erect on long, cane-like stems. Each $1.50.

Pride of California. (Decorative). Called the "American Beauty" Dahlia. Winner of Gold and Silver Medals. Huge crimson red flowers produced on long straight stems. 50c each.

Sweetheart's Bouquet—(Peony Flowered)—In color an unique shading of salmon rose, shaded with show; pleasing alike in both day and artificial light. Flowers large, stems extra long and wiry. Price, 50c each.

The Grizzly Decorative.—One of the very best novelties. A great dark velvety maroon beauty. Flowers of immense size are held high above the fine foliage on extra strong stems. $1.00 each.

P.-W.'s Dahlia Collection No. 1—Your selection of each one of any of the above named novelty and special merit Dahlias. $1.50. 

Prince of Wales
Cactus Dahlias

Following is our selection of the leading ten standard varieties. All prices postpaid. See cut for idea of form and style of flowers in this class.

Charles Clayton—Stems are long, holding the flowers well above the foliage. Color, a most intense red, so vivid as to dazzle the eye. Each 35c; dozen $3.30.

Countess of Lonsdale—Perfect form, free flowering, a rich coral salmon pink. Each 35c; Dozen $3.50.

Painty—Rosy pink, shaded to pale lemon. Very good. Each 25c; Doz. $2.50.

J. H. Jackson—The finest black Dahlia. Color, a perfectly gorgeous, deep velvety, blackish-maroon. Each 25c; Dozen $2.50.

Earl of Pembroke—Deep purple maroon; fine form. 25c each; Dozen $2.50.

P. W.’s Dahlia Collection Offer No. 3—Your selection of one each of any six of above named Cactus Dahlias for $1.50 postpaid.

Golden West—Often 7 inches across. Stems long and rigid. Color, golden yellow shaded to pure yellow in center. Has no superior. 50c each; $5.00 per dozen.

Marion Thompson—Pure lemon yellow. Flowers large, exceptionally good cut flower. Stems long and stiff. Each 25c; Dozen $2.50.

Nannie B. Moore—Color, clear lavender pink. Each 50c; Dozen $5.00.

Pink Pearl—A beautiful soft rose pink. Splendid for cutting. Each 25c; Dozen $2.50.

Perle De Lyon (Hybrid). A pure white, petals fringed or ruffled, giving unique appearance. Each 25c; Dozen $2.50.

Decorative Dahlias

The cut accompanying will give an idea of the form and style of flowers in this class. The following varieties are "up to the minute" and will surely please.


Queen Mary—A large flower with full, rounded center color soft shade of pink. Each 25c; Dozen $2.50.

Mina Burgh—Dark vivid red, produced on good stems. Each 35c; Dozen $3.50.

Princess Juliana—A superb white Dahlia. Each 25c; Dozen $2.50.

Souverain Douzon—An immense flower with broad, flat petals and full to the center. Color, coppery orange red. Each 25c; Dozen $2.50.

P. W.’s Dahlia Collection Offer No. 2—Your selection of one each of any six of the above named Decorative Dahlias, $1.50 postpaid.

Paeony Flowered Dahlias

This wonderful new type is now very popular. It could well be described as semi-double of the decorative form and resembles very much a large semi-double paeony. We have selected what we consider ten of the choicest varieties of this class. (See cut on preceding page for style and form of flowers). Prices postpaid.

La Jara—Pure lemon. Flower large and perfect in form, stems long. A very free bloomer. Each 25c; Dozen $2.50.

Isa—Light fawn pink, changing with age to amber yellow. Each 50c; Dozen $5.00.

Mme. Bystien—Very beautiful pure like lavender. Each 50c; Dozen $5.00.

Queen Wilhelmina—Immensely fluffy flower of pure white, with yellow center. Each 25c; Dozen $2.50.

Souverain Franzi Litt—Dark purple, maroon. Veined and shaded with white. Each 25c; Dozen $2.50.

Show and Fancy Dahlias

Our selection of the leading standard varieties. See cut for idea of style and form of flowers in this class. All prices postpaid.

A. D. Livone—Perfectly round ball shaped flowers, petals regular and tightly quilted. Beautiful soft pink. Each 25c; Dozen $2.50.

Maude Adams—A model of perfection. The color is a pure snowy white. Each 35c; Dozen $3.50.

Purple Gem—Rich royal purple, clear and constant. This variety is a decided improvement over the old varieties. Each 25c; Dozen $2.50.

Golden Spray—Bright golden yellow. A superb variety for cutting. Each 25c; Dozen $2.50.

Geo. W. Gero—A rank, healthy grower. Color clear, rich pink. Each 50c; Dozen $5.00.

Miss Helen Hallis—Undoubtedly the largest deep scarlet Show Dahlia in existence. 35c each; $3.50 per dozen.

Mary Pickford—The color is lemon yellow, shading to salmon pink, with a tinge of mauve. Each 25c; Dozen $2.50.

Mamanna—Clear, rich lavender. Stems are long and rigid, making it an exceptionally good variety for cutting. Each 25c; Dozen $2.50.

P. W.’s Dahlia Collection Offer No. 4—Your selection of one each of any six of the above named Show and Fancy Dahlias for $1.75 postpaid.
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 grow to flowering size when seed is planted. Sow the seed outside in early spring or fall and transplant when plants are large enough.

We furnish either plants or seeds of the varieties 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 postage and packing. Seeds: Per pkt. 10c; 5 for 25c; 13 pkts. for $1.00, postpaid.

**Helenium The Pearl**—Useful for the border, wild garden or shrubbery; also for cutting.

Agrostemma (Rose Campion)—Stout, erect-growing plants, silvery foliage, showy flowers, blooming June and July. Height 3½ to 3 feet.

A n thens (Marguerite)—Daisy-like yellow blossoms, blooming all summer, excellent for cutting.

Alyssum Saxatile Compactum—(Basket of Gold). One foot high, producing early in the summer masses of broad, flat heads of bright yellow flowers.

Aquilegia (Columbine)—The COLUMBINE is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-foot stems, mixed colors.

Anchusa—Blooms from June to September, small blue panicles.

Dielatra Spectabilis (Bleeding Heart or Coral Bells)—An old-fashioned favorite, at home in any part of the hardy border, and especially valuable for planting in the shade. Strong roots. Each, 75c; doz., $6.00.

Eryngium (Sea Holly)—Handsome ornamental plants, growing from 2 to 5 feet high. The flower heads are produced from July to September.

Eupatorium (Mist Flower)—Useful border plant of strong, free growth, height 2 to 3 feet. White and blue flowers, splendid for cutting: August and September.

Euphorbia Polychroma—Attractive border plant; produces yellow-flower-like bracts in May; 2 feet.

Feverfew Little Gem (Matriarca)—Lance-shaped leaves, white flowers, June to October; 12 to 15 inches high.

Galardia Grandiflora—A mass of blossoms throughout the entire season. Flowers are dark red-brown with petals of orange or crimson.

Geum (Avens)—Border plants about 15 inches high; flowers brilliant, scarlet or double, bloom May to July.

Gypsophila Paniculata (Baby's Breath)—A mist of single white flowers.

Hardy Garden Pink—Assorted colors.

Helianthus (Rivergon Gem)—Covered from August to October with brilliant old gold and spashes of darker shades, changing later to warm yellow. Pkt. 15c.

Hibiscus—Giant Mallow Marvels—Crimson, purple and pink flowers in August and September.

Hollyhocks—Handsome double improved varieties winter hardy; foliage makes it a great favorite; assorted colors.

Hemorocallis (Yellow Day Lily)—Very handsome with showy flowers in late June and July; height 2½ to 3 feet.

Incarnivella (Hardy Glotonia)—Showy perennial, hardy border, rose-colored flowers on 15-18 inch stems during June and July, succeeds in sun or shade; protect with mulch in winter. Pkt. 50c.

Iberis (Hardy Candy Tuft)—Flowers in pretty white clusters in May and June.

Iris, Hardy Lilies, Peonies, Hardy Phlæs, Pansy Plants, Lily of the Valley. See page 41.

Lathyrus (Everlasting Pea)—Assorted colors; climber, 8 to 10 feet; clusters large flowers entire summer; fine for cutting.

Lavandula (Lavender)—Grows 15 inches high; delightfully fragrant blue flowers in July and August.

Linaria (Toad Flax)—Dainty blue and orange flowers throughout summer; trailing habit, 3 inches.

Linum (Blue Flax)—Graceful, blue flowers all summer.

 Lobelia Cardinals (Cardinal Flower)—Flowers from July to September; color, fiery scarlet; height two feet.

Lupinus (Lupin)—Most beautiful hardy border plants, producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

Lychinis (Jerusalem Cross)—Brilliant orange-scarlet flowers in June and July.

Michaelmas Daisies (Hardy Asters)—Among the showiest of late-flowering hardy plants, bloom during September and October.

Myosotis (Forget-Me-Not)—Dwarf Blue, in bloom from early spring until autumn.

Poppy, Poppy Oriental—Large flowers bright red.

Potato Flower (Bloon Flower)—Deep blue flowers July and August, Pkt. 25c.

Penstemon (Bearded Tongue)—Mixed colors, 2 feet, useful for either border or rockery. Pkt. 25c.

Physogetis (False Dragon Head)—Erect bushy plants, very showy rose-purple flowers, July and August.

Pyrrhthrum (Alcignous Giant Daisy)—Very attractive daisy like flowers. Pkt. 25c.

Papaver nudiculace (Iceland Poppies)—Mixed colors; bright green fern-like foliage, cup-shaped flowers.

Platycodon (Balloon Flower)—Deep blue flowers July and August, Pkt. 25c.

Physalis Francheti (Chinese Lantern Plant)—Ornamental variety of Winter Cherry, dense bushes about 2 feet high; orange-scarlet lantern-like fruits.

Polyanthus (Primula Elata)—Mixed colors; early Spring flowering; height 9 inches.

Ruddbeckia ("Golden Glow")—Brilliant golden-yellow, blooms July to September. Height four to six feet.

Ruddbeckia Newmannii (Black Eyed Susan)—Dark orange-yellow flowers, deep purple cone, blooms July to September. Height 3 feet.

Ruddbeckia Purpurea—Peculiar reddish-purple with large cone-shaped center of brown, blooms July to October. Bushy plants 3 ft. high.

Salvia (Meadow Sage)—Azurée—3 to 4 feet high; sky-blue flowers in August and September.

Scabiosa Caucasia (Blue Bonnet)—Soft lavender blue, graceful flowers on stems 18 to 24 inches high. Bloom from July to September. Splendid cut-flowers.

Statice (Great Sea Lavender)—Covered with minute purplish blue flowers in July and August. If cut and dried lasts in good condition for months.

Stachys (Sheep's Tail)—Burbank's new varieties.

Stokesia Cyanea (Cornflower Aster)—Cheyenne. Trailing Aster like flowers, flowering from June until fall.

Tritoma (Red-Hot Poker)—Hardy if given protection. In bloom from August to October; spikes 2 to 4 feet, heads of bloom are rich orange-scarlet.

Violets—Hardy sweet-scented blue.

Vinicia Minor (Perwinkle or Trailing Myrtle)—Splendid for shady places.

Veronica (Speedwell)—Border plant 18 inches high; long spikes of blue flowers in June and July.

Wallflowers—The old favorite; mixed colors, including yellow, white, etc.

Yucca (Adam's Needle)—Broad sword-like leaves 5 to 6 feet tall; flowers large, fragrant, drooping, creamy-white during June and July.

Effective Planting of Hardy Perennials
HARDY ORNAMENTAL AND FLOWERING SHRUBS

There is nothing which so quickly, and for so little cost, add so much to the beauty, cheerfulness and home-like appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size value and beauty, year after year. Our price is for strong, healthy, field grown shrubs, two to four feet high, depending on the variety some making higher growth than others.

(A) denotes shrubs which attain 9 to 12 feet in height at maturity. (B) denotes shrubs which attain 5 to 8 feet in height at maturity. (C) denotes shrubs which attain 1 to 4 feet in height at maturity.

Morro—A handsome Japanese variety, with white flowers during May, but especially valuable for its bright red fruit during the summer and autumn months.

HYDRANGEA, Arborascens Grandiflora (Snowball Hydrangea)—Snow white blossoms of largest size; flowering from early June until late July. Each $10.00; Dozen, $15.00.

HYDRANGEA, Paniculata Grandiflora—Un surpassed for lawn, hedge, or cemetery planting; hardy in all localities, needs no protection in winter; 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. Each $1.00; Dozen $10.00.

LILACS (True Syringa). (A)—Grandiflorae—Very fragrant, grand old fashioned. Early flowering shrub. We furnish white and purple varieties.

Persian Purple (B)—Flowers are deep purple and their familiar fragrance is loved by all. Easy culture and growth in ordinary soil.

PRIVET FOR HEDGES (California)—Very easy to grow, and makes a splendid green foliage. Always free from insects. 18-24 inches, Dozen $1.25; 50 for $4.50; $10.00 per 100. 2-3 feet, Dozen $1.50; 50 for $5.00; $10.00 per 100.

PRIVET (Ligustrum Amurense)—Extremely hardy; upright grower, foliage glossy green, holds color until late. 50c each; $5.00 dozen.

PRIVET, ENGLISH (L. vulgaris)—Leaves small, dark green, White flowers in June, followed by black, shiny berries. 20c each; $2.20 dozen; $17.30 per 100.

RHUS, DWARF SUMAC (R. copallina)—Tall growing; blooms late; greenish white flowers; foliage shiny green, rich crimson in autumn.

ROSA RUGOSA, Rubra—Perfectly hardy, 4 to 5 feet high, foliage large, dark green. Flowers single, rosy crimson, orange-scarlet fruits. Alba—Pure white, orange fruits.

SNOWBALL (Viburnum Plicatum)—A valuable improvement on the common Snowball; the flowers are smaller, more numerous, frequently as many as twenty blossoms on a stem 15 inches long. Each $1.00; $11.00 per dozen.

Common (Sterile)—Too well known to need description. Each $1.00; $11.00 per dozen.

15c extra for postage. We strongly recommend express shipments where possible.
SPIREAS—

**Anthony Waterer.** Color bright crimson; dwarf, dense growth, never exceeding 20 inches in height; in bloom the entire summer and fall.

_Opulifolia Aurea_ (Virginian Guelder Rose). Medium growth, golden-tinted foliage, large white flowers in June. _Prunifolia_. One of the best; a beautiful shrub, medium size, double white flowers in May. 

_Thunbergii_. A graceful bush, beautiful at all seasons, with innumerable small white flowers. The tiny leaves turn to a brilliant orange-scarlet in the autumn.

_V. Radicans_. A dwarf creeper, the small white flowers in clusters or panicles an inch in diameter.

**SYMPHORICARPUS—**

Small shrubs much used in shaded places and in open masses. Grow in almost any soil; very ornamental, when covered with berries.

_Racemus_ (Snowberry) (B) — A graceful shrub, 3 to 5 feet tall with slender branches. Flowers white or pinkish, in loose racemes, in summer.

_V. Racemosus_ (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.

Price—Any of Above, Each 85c; Dozen $9.00. If by mail add 15c each extra for postage. We strongly recommend express shipments where possible.

_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. If by mail add 5c each for postage.

**SYRINGA—**

_~Phaedolbus Cornarius or Mock Orange—~This is a grand old favorite shrub. It is prized very highly for its beautiful foliage and white flowers. Very fragrant, resembling somewhat apple blossoms.

_WEIGELIUS_ (Dierella) — These shrubs make a strong growth, erect when young, gradually spreading and drooping into large graceful shape with age; flowering in clusters thickly along the branches.

_Candia—_White flowers flowering throughout the summer.

_Eva Rathke—_A charming brilliant crimson; flowering throughout the summer. Each 1.00; Dozen 10.00.

_Rosea—_A beautiful shrub with rose colored flowers.

**TAMARIX—**

Their delicate fringed flowers of pink, are very ornamental at the back of shrubbery borders. Flowers all summer.

_Amurensis—_Shrub of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Price—Any of Above, Each 60c; Dozen $1.00; Dozen $10.00.

**Japonica Halleana (Hall's Japanese)—** Almost evergreen sort; flowers pure white, changing to yellow July to November. Each 60c; Dozen 6.00.

**Japonica Flexuosa (Chinese Twinling)—** Remarkable on account of retaining its beautiful, glossy foliage most all winter, and covered with sweet, yellowish-white flowers most all summer. Each 75c; Dozen 7.50.

**KUDZU VINE—** _Pueraria Thumbergiaria_. or _Jack-and-the-Bean Stalk—_ In rich soil will grow seventy feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wolly. Fine for porches, arbors, old trees, etc. Each 75c.

**WISTARIA—**

_Chinese Wistaria (Wistaria Chinesia)—_ A rapid growing tall vine with handsome foliage and flowers. Flowers peashaped, purplish, profusely borne in dense, drooping clusters 7 to 12 inches long, opening in midsummer. Each 85c; Dozen 8.50.

_Chinese White Wistaria (W. Var Alba)—_ A form of above with pure white flowers. Each 1.00; Dozen 10.00.
P-W's Home Grown Roses

Our Great Specialty

The Rose is the joy of the rich man’s garden and the solace of the poor man’s front yard—it rises forth its beauty and perfume to the woman of fashion as well as to the hardy in the factory and on the farm. Certainly there is no plant in Floral Kingdom that will bring greater reward for cultivation than the Rose.

In planting Roses be sure to remember that the hybrid perpetuals do best on heavy soils; the hybrid teas on the medium heavy soils, and the teas on the lighter soils.

Time for Planting. In this intermountain region, the best time for planting is in the spring, immediately after the frost is out of the ground, and as soon as the ground can be worked nicely.

Full Directions for Care and Planting Free With Each Order

It is easy to transplant trees, shrubs and roses successfully if these directions are followed.

Under the respective classes and types in the following collection, we have selected what we consider the cream of the many now in cultivation.

Hybrid Perpetual Roses (Old Fashioned Roses)

The varieties we list in this class are all of vigorous growth and hardy in our climate. Many of them flower the entire summer. Others flower during the months of June and again in August and September.

Mrs. John Laing—Very delicate pink.
Paul Neyron—Immensely bright shiny pink; clear and beautiful. Blooms all summer.
Prince Camille De Rohan—Deep velvety crimson color, passing to intense maroon and shaded black.
Ulrich Brunner—Brilliant, cherry-red.

P-W’s Novelty Rose Collection

Including Recent Introductions and Special Varieties

America—The Big Pink Beauty. Produces long stems, topped by large shapely flowers of peach pink; opens freely; practically thornless and very fragrant. A wonderful keeper after cutting. Price—$1.25 each.

Annie Laurie—Sport of Ophelia. Bud large, long pointed; flowers large, very double; flesh pink, edges deeper, golden yellow base; long strong stems. Foliage abundant, rich glossy green, disease resistant. Few thorn. Continuous bloom. Price—$1.00 each.

Columbia—Peach-blow pink deepening as it opens to glowing pink; large, open flowers measuring six inches across. Long stiff stems, nearly thornless, free from mildew, vigorous. Price—$1.00 each.

Golden Emblem—A most beautiful clear yellow, occasionally flaked with crimson on the outer petals, wonderfully well shaped; buds and flowers on long stems with rich glossy green foliage. Price—$1.50 each.

Los Angeles—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. Bud are long and pointed. Growth vigorous and produces a continuous succession of bloom. Price—$1.25 each.

Madama Butterfly—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—$1.00 each.

Miss Lolita Armour—Bud medium size, globular; flowers very large, cupped, double, borne several together on long stems; very fragrant and good keeper after cutting. Color, chrome yellow at base, shading to burnt orange and copper; reverse of petals chrome-yellow at base, shading to bright salmon with copper suffusion; petals to shrimp-pink and copper with age. Foliage abundant, leathery, bronze-green. Growth vigorous, abundant bloom. Price $1.25 each.

Mrs. Calvin Coolidge—Sport of Ophelia. Bud medium size, long-pointed; flower medium size, semi-double, very lasting; rich yellow, deepening as it opens; borne several together on a long stem. Foliage abundant, leathery, glossy dark green. Few thorns. Vigorous; continuous bloom. Price—$1.25 each.

President Wilson—A most delightful shade of shrimp pink shading to coral red at base of petals. Foliage large and freely produced upon long erect stems. Each $1.25.

Queen of Fragrance—Flowers large, double, of graceful shape and freely produced throughout the season. Color shell-pink, tipped with silver. Powerful and delicious fragrance. Each $1.00.

Sensation—As large and more prolific than Premier. Well supplied with heavy, luxuriant foliage. Bud is long pointed and the open flower of extreme size and good color to the last. Good keeper. Color magnificent shade of red. Price—$1.00 each.

P-W’s Novelty Rose Collection Offer

Your selection of one each of any six of the above collection for $7.00; and one each of any twelve of above for $12.00, postpaid.

White American Beauty

Souv. de H. A. Verschuren

P-W's Novelty Rose Collection Offer

Your selection of one each of any six of the above collection for $7.00; and one each of any twelve of above for $12.00, postpaid.
P-W's Ever Blooming Roses

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. T.) and Tea Roses (T.)

Unless otherwise noted, price of any on this page: 75c each, $8.00 per dozen; charges prepaid, strong, healthy 2 year old dormant roots.

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

Crusader (H. T.)—Very free flowering, strong grower. Color a rich velvety crimson.

Duchess of Wellington (H. T.)—Intense saffron yellow stained with crimson, changing to deep coppery saffron yellow. $1.00 each.

Edward Mawley (H. T.)—A beautiful rich crimson touched with maroon, with a delightful velvet gloss.

Etoile De France (H. T.)—Strong, upright, growth; beautiful bronze-green foliage. Blooms constantly, producing large, massive deep, cupform flowers on long stems; clear red and velvety crimson color.

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.

Hadley (H. T.)—A splendid velvety crimson, with large well formed buds, most delicate fragrance.

J. B. Clark (H. T.)—Intense scarlet, with crimson shadings; immense flowers very attractive.

Hoosier Beauty—Beautiful, well-shaped, long buds; color intense, rich, dazzling crimson-scarlet; deliciously fragrant. Price $1.00 each.

Irish Fire Flame (H. T.)—Closed bud firey orange-red, shading to lighter at base, when full open bright salmon; five petaled and single; one of the daintiest and sweetest things imaginable. Each $1.00.

Helen Good (T.)—Delaite yellow, suffused with pink. Immense size and exquisite form.

Jonkheer J. L. Mock (H. T.)—One of the best bedding varieties. A deep imperial-pink, the outer side of the petals silvery-rose white.

Killarney (H. T.)—Brilliant sparkling pink with large, pointed buds, broad, waxlike petals and enormous semi-full flowers of exceeding beauty. One of the very finest forcers.

Katherina Augusta Victoria (H. T.)—In color it is a soft, pearly-white, tinted with just enough lemon in the center to relieve the white; remarkably fragrant. $1.00 each.

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

Lady Hillingdon (T.)—Apricot yellow shaded to orange on the outer edge of the petal, becoming deeper and more intense toward the center of the bloom. After the bloom is cut, the color invariably becomes darker. A strong hearty grower.

Mme. Edouard Herriot (H. T.)—The Daily Mail Rose. In color its buds are corn-red, shaped with yellow at the base, the open flowers of medium size, semi-double, are of a superb corn-red, shaded with yellow and bright rosy-scarlet passing to shrimp-pink. Each $1.00.

Mrs. Aaron Ward (H. T.)—Coppery-orange in the open bud, but golden orange when partly developed, pinkish-fawn of lovely shade when fully open. Price $1.00 each.

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

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

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

Mrs. A. R. Waddell (H. T.)—A rosy-scarlet, opening rosy-salmon, with reverse of petals rosy-scarlet. A Sturdy, erect and vigorous grower.

Ophelia (H. T.)—Color salmon-flesh—shaded with rose; large and perfect shape.

Old Gold (H. T.)—Vivid reddish-orange, with coppery-red and apricot shadings; strong, mildew proof and free. Medium size, semi-double. Each $1.00.

Papa Gontier (T.)—Much sought after for cut flowers on account of its magnificent buds; color, rich cherry red; no collection is complete without it.

Pink Mammon Cochet* (T.)—The buds are large, full and firm, elegantly pointed, showing depth and richness as they expand; clear, rich pink, changing to silvery-pink.

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

Prices of above, except where otherwise noted, 75c each; $8.00 per dozen. All prices prepaid.
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.

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.

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-like flowers never fade, as the reflex of the petals is satiny crimson-scarlet. Awarded S. G. Medal, N. R. S.

Sunburst (H. T.)—Long, pointed buds; color, orange-copper or golden-orange and golden-yellow; edge of petals lighter. Price $1.00 Each.

White Maman Cochet (T.)—Free bloomer, bearing magnificent buds and flowers standing at the very head of roses as the best white for open ground culture.

William F. Beere (H. T.)—A beautiful Rose of the same parentage as Los Angeles, and which, for delicacy of coloring, is not comparable to any other variety, if remaining one of the delicate tints of some varieties of water lilies. The flowers, which are similar in shape to Los Angeles are at their best in the half-expanded flower. These, in expanding, are of a soft, silver shell-pink, the base of the petals of a rich golden-yellow which, at certain stages of development gives a golden suffusion to the entire flower this golden suffusion being particularly brilliant early and late in the season. Each $1.00.

White Kilarney (H. T.)—A pure white sport of the famous and popular Kilarney Rose much more double than its parent.

Winnie Davis (H. T.)—Brilliant apricot-pink with reflex lighter tints, making very handsome, semi-double, graceful Rose. Buds long, fine form.

Willowmere (H. T.)—This splendid Rose is of a coral-red suffused 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 $1.00.

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 lovely shade of pink, with a clear white eye and cluster of yellow stamens.

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

Climbing Ceci Brunner—Very robust and one of the strongest climbers in the Rose family. Hardy and suitable for all sections.

Climbing Mme. Caroline Testout—A solid cerise-pink and does not fade. Highliy fragrant.

Climbing Kaiserin August Victoria—This is easily the grandest climbing white rose extant.

Climbing Baby Rambler, or Miss G Messman—This is a true ever-blooming Crimson Rambler; a climbing form of the Baby Rambler.

Shower of Gold—Double golden-yellow a free bloomer.

P-W'S Polyantha or Baby Roses

A class of Rose of dwarf habit, bloom all through summer and fall, for bedding or as edgings for borders they are Baby Dorothy—A pure pink with all quality of the Crimson Baby Rambler.

Crimson Baby Rambler—Hardy and healthy. Profuse clusters until frost and throughout the winter if taken indoors. Clear, brilliant ruby-red color.

Baby Edith Cavell—Very beautiful dazzling crimson with white eye.

Erna Teschedendorf—A deep crimson flushed with carmine.

Madame Ceci Brunner—Color salmon-rose, the most beautiful and lovely of Price on any on this page, except where noted, 75c each, 12 for $8.00; two year old ship grown shrubs; all charges prepaid very beautiful. They are useful, either for pot culture or bedding purposes or for hedge effects.

Baby Orleans—Brilliant perianth-red, suffused with rose as the flowers mature; large white center.

Katharina Zeimet—Produces pure white flowers in abundance, with fragrance similar to hyacinths.

Lafrayette—Bright red; large, semi-double flowers; as large as "Paul’s Scarlet," goodkeeper. Very fine flowering. Price $1.00 Each.
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 or more of one variety and size. Special prices made on lots of 100 up. Dozen price is ten times

AILANTHUS—Tree of Heaven—A. Glan-
dulosa. T.—A rapid growing, lofty tree, long, being grappled from disease and insects. Useful tropical effects. 6-8 ft. $2.00 each.

ASH—American White. A rapid growing native of fine symmetrical outline. A valuable street or park tree. Timber is largely used. Price, 6-8 ft., $1.25 each; 8-10 ft., $2.00 each.

Ash Green—Shapely round top with dark green foliage. Price, 6-8 ft., $1.50 each; 8-10 ft., $2.00 each.

BIRCH (Betula Alba) European White
Birch. T.—Of which Coleridge says "Most beautiful of forest trees, the lady of the woods." 6-8 ft. $2.00 each; 9-10, $3.00 each.

CATALPA Bungei (Umbrella Tree)—These beautiful globe-shaped tops being grafted high on clean straight stems. Fine 2-year-old heads, $2.75 each.

Catalpa Speciosa (Western Catalpa)—Rapid grower producing large panicles of flower. Delicately marked with violet and yellow. 6-8 ft., $1.50 each.

CHERRY, FLOWERING (Cerasus)—Or-
namental dwarf tree or shrub, blooms early in Spring. 4-6 ft., $3.00 each.

CRAB (Bechtel Double Flowering)—Most beautiful 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. 1-6 ft., $2.00 each.

ELM American (Ulmus Americana)—Tall and stately with a graceful, wide-spread crown, the branches covered with a rich, bright green foliage. 6-8 ft. $2.00 each; 8-10 ft., $3.00 each.

ELM English (Ulmus Campestris)—A native of Europe; a noble, rapid-growing tree, forming a dense head; a desirable tree for streets, avenues, etc. 6-8 ft., $2.00 each; 8-10 ft., $3.00 each.

GOLDEN CHAIN (Cytisus Laburnum)—A smooth and shining foliage. The name Golden Chain alludes to the resemblance of the drooping racemes of yellow flowers, which appear in June. 6-8 ft., $1.50 each.

HORSE CHESTNUT, Korean—Showy for its white flowers in upright panicles, 6-8 ft., $1.50 each.

JUBATSU TREE (Cereis)—Striking ornamental tree, planted with a mass of peach-shaped pink blossoms in early spring, before the leaves appear. 4-5 ft., $2.00 each.

LINDEN, American (Tilia Americana)—Basswood. Shapely trees, with large handsome foliage. Flowers creamy-white and very fragrant. 6-8 ft., $3.00; 8-10 ft., $4.00 each.

LINDEN, European (Lime Tree)—Pyra-
midal in form, smaller foliage than American Linden, white flowers in June. 6-8 ft., $1.00 each; 8-10 ft., $1.50 each.

LOCUST, BLACK (R. Pseud-acacia)—Large, rapid grower, valuable for timber. Flowers in long white racemes very fragrant. 6-8 ft., $1.00; 8-10 ft., $1.50 each.

Boxwoods—Boxwoods are ideal for use in tubs at entrances, balconies, terraces and elsewhere around the home.

WEEDING TREES

Birch—Cut-leaved, 6-8 ft., $3.75 each.

Elm—Camperdown, 2-year head, $3.50 each.

Mulberry—T. c. a. Weeping, 2-year head, $3.00.

Willow—Babylonica, 6-8 ft., $1.75 each.

Weeping Mountain Ash, 2-year heads $3.00.

Free Landscaping Advice Cheerfully Given Upon Request. Let Us Help You With Your Problems.

HARDY EVERGREENS

Arbutus—American—A shapely tree, foliage fresh, vivid green, mel-
lowing. 6-8 ft., $3.50 each.

Arborviae—Piramidal—Very hardy variety narrow, columnar shape except-
on. Specimens, 2-3 ft., $8.00 each; 3-4 ft., $10.00 each.

Boxwoods—Boxwoods are ideal for use in tubs at entrances, balconies, terraces and elsewhere around the home.

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ORANGE TREES

They are for summer decoration and must be moved inside, except in very mild climates. Pyramidal shape and 2 ft., $6.00; 2-3 feet $8.00; 3-4 ft. $10.00 each.

Colorado Blue Spruce—Entirely hardy, and is universally esteemed as the most beautiful of all Evergreens. 2-3 ft., high, $5.00; 3-4 ft. $7.50.

Each Juniper is dense, close, columnar tree, 15 to 20 feet in height. The branches regular, very compact and densely covered with a rich, deep green foliage. 2-3 ft. high, $5.00; 3-4 ft. $7.50.

Pine, Mucho—Dwarf globular form. Foliage similar to Austrian. 1 ½ to 2 ft., $7.50 each.

Spruce, Black Hills—Hardy, pyramidal; deep green color. Adapted to dry weather and high altitudes. 2-3 feet, $5.00.

Spruce, Norway—Lofty tree of open, pyramidal habit; exceedingly picturesque. 2-3 feet, $5.00 each.
FRUIT TREES
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 any trees 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.

SIZE AND GRADE

"Mail Size"—All stock offered under this classification will be delivered charges prepaid to your Express or Post Office at prices named. This grade includes strong, vigorous, one-year, buds and the smaller two-year old stock which has been sorted from the "Standard Size." Please note the "Mail Size" are not "culls," but clean, healthy, vigorous trees of just such size and height suited for Parcel Post shipment.

"Standard Size"—All trees of this classification are clean, healthy, vigorous stock of good caliper. They are too large to send through the mail and should be forwarded by Freight or Express. Packing is free, but transportation charges are to be paid by the customer. The weight packed is 1½ to 2 pounds to the tree.

Certificate of Inspection, showing freedom of our stock from San Jose scale and other injurious insects and diseases, will be attached to all shipments.

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 healthful when cooked.

Standard Size—4-6 feet. Each, 85¢ Dozen $8.00; Fifty $25.00; Hundred $45.00, not prepaid.

Mail Size—$4-5 feet, each 75c; Dozen $7.00, Postpaid. Special Mail Size—2-3 feet, each 55c; Dozen $1.50. Write for special prices on quantities on "Mail Sizes."

See back cover to determine the number of trees required for an acre.

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.

Thurston Sweet—Highly prized for home or market, deliciously sweet. Mid-summer.

Autumn Varieties

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

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

Winter Varieties

Delicious—Apple.

Arkansas Black—Rich, dark red; flesh orange yellow.

Baldwin—Large, bright, red, crisp, juicy, rich.

Bellefleur, Yellow—Large, oblong, yellow, Ripens October to January.

Delicious—Large, hand-sorted winter apple, delightful flavor. Ripens late fall.

Gano—Good size, deep red, attractive; good keeper and shipper.

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


Jonah—Probably the best apple in regard to flavor and quality ever grown in America. Deep red.

Concord—Black Twig—Very large, dark red, slightly streaked.

McIntosh Red—Large, all red; good keeper.

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

Crab Apples

Same Prices as Apples

Hyslop—Fruit deep crimson, covered with blue bloom. September.

Siberian—Beautiful red. September.

Apricots

Standard Size—$1.00 each; $5.00 per dozen; $6 for $25.30; 100 for $50.00 not prepaid.

Mail Size—Each 90c; $9.00 per dozen.

Chinese—Large round, deep yellow. Late June.

Moorepark—Very large, yellowish-golden; best variety for no colder sections than Salt Lake. Late June.

Superb—The most productive hardy apricot; medium size, light salmon color.

Quinces

Orange Quince—Standard size, $1.25 each; $12.50 per dozen.
**CHERRIES**

Should be planted in light, well drained soils. There is always a brisk market in can be and in localities where they can be is complete without a few "Sweet" and one or more "Sour" or Pie Cherry Trees.

**Standard Size**—Each $1.25; doz. $12.00; fifty $42.50; hundred $80.00, not prepaid. **Mail Size**—Each $1.00; doz. $10.00, postpaid.

**Sweet Cherries**

*Bing*—Very large, dark brown—almost black—rich and delicious. Ripens in July.

*Black Orb*—Improvement on Black Tartarian in size, color, productivity, and flavor, July.

*Lambert*—Immense, deep rich red, July.

**Sour Cherries**

Early Richmond—Medium, dark red; melting juicy.

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

**PEACHES**

Probable the inest of our fruits, a fine juicy Peach. Should plant in low, heavy situations.

**Standard Size**—Each $1.00; doz. not prepaid. **Mail Size**—Each 90c; Alexander—Handsome, crimson. Ripens about July 4. Freestone.

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

*Greensboro.* Double the size of Alexander, ripening at the same time. Flesh white, juicy and good, July.

**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.

**Standard Size**—Each $1.00; Doez $10.00; Fifty $27.50; Hundred $50.00, not prepaid. **Mail Size**—Each 85c; Doz. $8.50, postpaid.

*Bartlett*—Fruit large, clear lemon yellow, highly flavored; very juicy, September.

*Beurre D'Anjou*—Large, of vinous flavor; one of the leading late autumn varieties.

*Kieffer's Hybrid*—Rarely ever blighted. Fruit of fine size, rich color and good quality. October and November.

*Parrish Favorite*—Large, handsome, deep red, rich and juicy; valuable canning peach.

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

**PLUMS**

Plums will accommodate themselves to most situations not absolutely wet. They are among the finest fruit and most certain crops they will bear on low clayey soil. Keep until ripe.

**Standard Size**—Each $1.00; Doez $10.00; Fifty $27.50; Hundred $50.00, not prepaid. **Mail Size**—Each 90c; Doz. $9.00, postpaid.

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

*Bradshaw*—Very popular market variety. Large purple.

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

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

**NUT TREES**

Every Farm and Orchard should have some of these trees

**IXL Almond** (Soft Shell)—Very popular variety nuts large and plump. Trees upright growth. **Mail Size** each $1.00; $10.00 per dozen, postpaid; **Standard Size** same price not prepaid.

**UTAH ENGLISH WALNUTS**—The very shapeable and beautiful shade tree that pays its owner an extra dividend of $30.00 to $50.00 annually, for good measure. Hardy in any section or situation where apricots and peaches can be grown. 2-3 feet, Each $1.35; ten, $11.00, charges prepaid. 3-4 feet, Each $2.00; ten, $17.50; prepaid. 4-6 feet, Each $3.00; ten $27.50, prepaid.

**PRUNES**

Firstr standard size. Each 85c; Dozen $8.50; Fifty $25.00; Hundred $45.00; not prepaid. **Mail Size**—Each 60c; Dozen $6.00, prepaid.

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

Hungarian—A large dark red.

**Italian-Fellsemburg Prune**—Large oval, dark purple; flesh greenish-yellow; separates freely from stone; best for drying on the market. August-September. Best commercial sort.

**Red Bird Cling**—The earliest of the large cling. Color creamy-white, overspread with bright, glowing red.

**Triumph**—Ripens in early July; color greenish yellow, flesh yellow with red stains.

**Tuscan Cling**—Large; yellow; heavy bearer and one of our best Clings; fine shipper. In great demand by canners on account of its early ripening, being one of the first Clings to ripen.
CHOICE SELECTION SMALL FRUIT

Nothing in fruit growing at the present time 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.

**GRAPEs**

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up to the side of any building, or along the garden fence, occupying but little room and furnishing an abundance of the healthiest fruit. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. Plant about eight feet apart, along the fence or building. For vineyard purposes make rows eight feet apart, six feet in rows.

**Prices** except where noted, 2-year old stock, each 45c; Dozen $4.00; Fifty $14.00, Hundred $25.00; $225.00 per Thousand, Charges Prepaid.

**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 45c; Dozen $4.00; Fifty $12.50; Hundred $20.00; $150.00 per 1,000. Charges prepaid.

**European Varieties**

- **Black Malvoise—Berries large oblong, reddish black, very juicy.**
- **Malaga—Very large, oval, yellowish green berries; seedless raisin grape. Berries greenish yellow.**

**Blackberries**

- **Price, except where noted, 25c each; $2.50 per dozen; $8.00 for fifty; $15.00 per 100.**
- **Early Harvest—Berries uniform, glossy black; very early.**
- **Mersereau—Splendid, large, very productive, rich, sweet rich flavor.**
- **Wilson—Hardy, very sweet, juicy, a little later than Early Harvest.**

**Dewberries**

- **Lucretia—(Creeping Blackberry)**
- **Loganberry**—A hybrid between blackberry and raspberry. Fruit as large as largest blackberry and produces in large clusters. Color dark red, mild vinous flavor. Each 25c; dozen $3.50; fifty $12.00; hundred $25.00.

**Delaware.** Bunches small, compact shouldered; small, round; skin thin, light red; flesh very juicy.

**Niagara.** Light greenish white; semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

**Moore's Early**—Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific, desirable for an early crop.

**Worden.** Black, handsome, compact bunch; ripens three weeks earlier than Concord.

**Gooseberries**

- **Thompson's Seedless—The well-known seedless raisin grape.**
- **Zinfandel—Well known wine grape.**

**Raspberries**

- **Price—Dozen $2.50; Fifty $6.00; Hundred $10.00.**
- **Cubther—The best large late red.**
- **Louden—Very fine flavored dark crimson.**
- **Marboro—Large early red, splendid for localities where season is short.**
- **Cumberland (Black Cap)—A very popular market type.**
- **Giggles (Black Cap)—An old standby.**

**Utah Black (Native)—Black, rich, fine for jelly.**
- **Lee's Prolific—Large black.**

All our plants are put up uniformly in bunches of 25 plants. The number ordered always should be 25, 50, 75, 100 plants, and so on up to whatever number you desire. Plants will be in bunches of 25 whether you order 100 or 100,000.

Write for quantity prices.

**Superb (Everbearing)**—The best and most profitable of the Everbearing sorts; yields good crops in June on the same plants that produced fruit the previous fall. Each berry is of good shape and ripens all over at once. **Price:** 25 plants, $1.00; Fifty, $5.00; Hundred, $25.00; Five Hundred, $15.00; Thousand, $15.00.

**Everbearing Raspberry St. Regis—** Has been aptly termed "the early till late variety, for it is the first Red Raspberry to give ripe fruit, while it continues to produce berries without interference until late October. In addition of the brightest color and large fruit, firm and rich in sugar. Unlike any other raspberry, the St. Regis yields a crop of fruit the season it is planted. Good shipper. Each 35c; Dozen $2.50; Fifty $8.00; hundred $15.00.

**VALUABLE LANDSCAPE BOOK FREE**

To all Customers on Orders of $5.00 and over

This book just fits the need of every Home Owner. It offers "Home Beautifying" suggestions fully illustrated by actual photo engravings. It furnishes lists of Ornamental Shrubs, Trees and Plants with valuable information as to their proper use.

ASK FOR IT WHEN YOU SEND IN YOUR ORDER
POULTRY FOODS

Prices are not prepaid. If by mail add postage to your order. Prices change rapidly. Write for current price list.

Alfalfa Meal—In original sacks of 100 lb. at $1.65; write for prices on quantities.

Bean Meal—Ground from good clean split beans sorted from our Seed Beans. Very valuable poultry food, rich in protein; replaces largely Meal Meat in raising ration. 25 lb. pkg., 50 lb., $1.50; 100 lb., $2.50. Write for quantity prices.

Bean Meal Laying Mash Formula—8 lbs. Bran; 4 lbs. Ground Corn, 4 lbs. Oat Meal, 5 lbs. Bean Meal, 1/2 lb. powdered charcoal. Feed in addition all sour milk or buttermilk hens will drink.

Buttermilk, Dried—Recognized by all poultrymen as an essential to any rations list. 1 lb. 15c; 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.00.

Charcoal is indispensable in successful raising; an efficient aid in arresting bowel trouble; it greatly assists in proper digestion and promotes health of poultry at all ages. Two sizes. Fine and Coarse. Price either size: 3 lb. 25c; 50 lb. $1.70; 100 lb. Market Price. Cannot be sent by Parcel Post.

Enzymo 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 lb., $2.10; 100 lb., $4.00.

Granite Grit—Is absolutely necessary to supply the fowls with plenty of good, clean grit. Fine, for small chicks; medium, for half-grown fowls; coarse for turkeys, etc. All sizes the same price. 8 lbs. 25c; 50 lb. $1.00; 100 lb. $1.85.

Flax Seed Meal—One tablespoonful in a mash to each dozen fowls, daily is a great help during the molting season. Present prices, 1 lb. 15c; 10 lb. $1.00; 25 lb. $2.25; 100 lb. Market Price.

Fleischmann’s Yeast—For poultry. 1 lb. can, $1.00; 2½ lb. can, $2.00.

Oyster Shell (Crushed)—Most important article of food; always keep fowls liberally supplied. 8 lb. 25c; 50 lb. $1.00; 100 lb. $1.50.

Utah Lime Shell—Same chemical content as oyster shell. It has proved economical feed among local users. Price—8 lbs. 25c; 50 lbs., 80c; 100 lbs., $1.25.

EGG A DAY—Increases egg production 25% to 75%. If “EGG A DAY” does not make more eggs for you, when used according to directions, report it to us and we will refund your money. Compare these prices with what others sell for, then try EGG A DAY—the poultry nutrition tonic.
Price—lb. pkg., 25c; 2½ lbs. 45c; 5 lbs. 75c; 12 lbs., $1.50; 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.00.

Steel Cut Oats—Valuable food for young chicks and canary birds. 7 lbs. 25c; 25 lbs. $1.25; 100 lbs. $5.00. Market Price.

P.-W.’s Developing Food and Pigments Mixtures—Just the food for chicks when they are two months old—after they have grown too large to be fed P.-W.’s Chick Manna, for 25c; 25 lb. for $1.25; 100 lb. Market Price.

P.-W.’s Chick Manna (Ideal Scratch Food)—Conceded by all users to be the leading balanced ration of pure grains, seeds, etc., on the market today. It is truly “Health Insurance” to the baby chicks.

This splendid preparation is made according to the best formula that science and experience has discovered to date. Scatter a bit of P.-W.’s Chick Manna on the floor among an inch or two of alfalfa meal for 60 chicks. Only feed as much as they eat up clean, and do not over-feed.

Put up in our own printed bags. 1 lb. for 25c; 25 lb. $1.25; 100 lb. Market Price.

Blatchford’s Milk Mash and Pratt’s Baby Chick Food are excellent chick starters and should be fed the first few days. See page 55.

Ground Oat Cake—Is a great milk and butter producer; a most economical cattle food. To poultrymen it is likewise of value in keeping owls in good health. Price fluctuates. Present Prices: 1 lb. 10c; 25 lb. $1.25; 50 lb. $2.00; 100 lb. $3.65.

Mammoth Russian Sunflower Seed—Splendid for parrots and poultry. 20c per lb.; 2 lb. 35c; 100 lbs. Market Price.

Meat Scraps—We Supply Golden Brand, and Swift’s, the best and purest product. It is hard to estimate the great value of meat scraps for growing chicks or laying hens. 3 lbs., 25c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.25.

P.-W.’s Sure Egg Mash—This splendid well balanced mash in mixed according to latest scientific formula. It contains in proper 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. Almost without exception wherever tried permanent use is followed. You too, will be convinced by a trial order. Price—6 lbs., 25c; 25 lbs., $1.00; 50 lbs., $1.65. Write for quantity prices.

Barnes’ Worm Emulsion—This will allay the irritated condition of the intestinal tract, kill the worms, increase the digestive fluids, which will as readily seize upon and devour the worms as they will other meaty substance. So, instead of attempting to expel the worms, they go back into the anatomy of the chick, thus not only preventing death to the fowl but doing things of this enemy to the betterment of the bird.

Under the treatment with EMULSION, greater assimilation obtains, so there is a saving of money in feed, as well as less mortality and greater growth in the chicks.

Price—Pint, 60c; Quart $1.00; $2.00: 5 Gallons $12.50; 10 gal. Bbl., $58.50; 50 gal. Bbl., $92.50. Charges prepaid in lots of 1 gallon and over.

Lee’s Egg Maker—Is not a tonic nor a medicine, but a meat food of great value. It will make hens lay, chicks grow, and keep them in a healthy, condition. 2 lbs. $3.50; 5 lbs. $6.00; 10 lb. pail, $2.25; 25 lb. pail, $4.25. Shipping weight 50 lb., 100 lb. dr姆 $15.00.

Pratt’s Poultry Regulator—Healthy birds and lot of eggs. In two weeks great things in poultry raising, are made certain by giving this food.

It builds up vitality, insures sound digestion—harmless appetite and prevents disease. Price—25 lb. pail, $3.50; 5 lb. pail, $1.85; packages, 10c, 25c, $1.30. 50 lb. drum $6.60; 100 lb. drum $11.00; 100 lb. bag $10.00.

Above prices are not prepaid. If wanted by mail add postage.

GRAIN, ETC. FOR POULTRY

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; Feed Wheat, Kaffir Corn; Whole and Ground Feed Corn, Rolled Oats, Feeding Barley, Bran, White Shorts, Millet, Sunflower Seed and Field Peas. Weight, Quantity and Prompt Service Guaranteed. Phone or write us.

Get Your Name on Our Poultry List

Special quotations are made at intervals, during the year, when market fluctuations justify. Several hundred of our Poultry Supply Customers are now on this list. Upon application you will be glad to add your name so that you may receive the benefit of this special information.
Blatchford’s Calf Meal
First on the Market—First in Quality—First in Results

Blatchford’s Calf Meal is the original milk-substitute. It was the first on the market. For over a third of a century it has been successfully used in raising calves by progressive farmers and dairymen in this country. It is the only calf meal backed by so remarkable a record.

Its success is due to three things. First—its quality. Blatchford’s is above all a quality calf meal. Only the best materials are used in its manufacture. It contains no waste materials or by-products of low feeding value. Second—it contains all the nutritive and growth-producing properties required by the calf. The finest and healthiest of calves can be raised upon it. Third—it is economical. One pound makes a full gallon of pure milk-substitute and it can be used at less than half the cost of using milk.

Blatchford’s Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will pay you to use it.

Sold in 100-, 50- and 25-pound bags. Satisfaction guaranteed with every bag.

Blatchford’s Chick Mash
(formerly known as Blatchford’s Milk Mash)

Blatchford’s Chick Mash is the favored starting and growing feed of the most prominent poultry-raisers in the country. It contains all the feeds and nutriment chicks need right from the start. It shields them from white diarrhea, bowel trouble and leg weakness.

This mash is neither a tonic nor a medicine but a nutritious, wholesome, palatable body-builder. It promotes health, vitality and growth by building up sturdy, disease-resistant frames. It does not force, but by supplying proper nourishment to each and every part of the body it promotes steady and complete development in the shortest possible time.

Blatchford’s Chick Mash contains no screenings, hulls or cheap by-products from the manufacture of breakfast foods, cereal foods or scratch grains. It carries chicks all the way—starts, grows and matures—without change of feed.

Blatchford’s Chick Mash. Price: 10 lb., 75c; 25 lb., $1.75; 100 lb., $6.00.
Blatchford’s Calf Meal. Price: 25 lb., $1.75; 50 lb., $3.35; 100 lb., $6.50.

PRATT’S BABY CHICK FOOD

When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding PRATT’S BABY CHICK FOOD.

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Prevents leg weakness, white diarrhea, “pasting up” and other chick diseases.

Using Pratt’s Baby Chick Food means Life Insurance for the baby chicks for the critical first three weeks period, at a very small outlay and guaranteed to give the little fellows a splendid start which will prove the foundation for a healthy career.

Price: 2½ lb., 30c; 6½ lb., 60c; 14-lb. sack, $1.10; 25-lb. sack, $1.75; 50-lb. sack, $3.15; 100-lb., $6.00.

PRATT’S GROWING MASH

(With Buttermilk)—For growing youngsters. The bone, muscle and feather builder. 25-lb bag, $1.65; 50-lb. bag, $3.15; 100-lb. bag, $6.00.

CONKEY’S BABY CHICK MASH can be furnished at same price as Pratt’s.

Prices on all Poultry Feeds fluctuate greatly. Quantity buyers please write for our current “Poultry List.” Handling, as we do, in carload lots direct from manufacturer or grower, we can save you money.

See preceding page for P.-W.’s Chick Manna, the perfect scratch food for the baby chicks.
**BROODER STOVES**

Broods 'em Better and Cheaper than "Old Mother Hen"

The Colony Brooders listed below are new and improved designs of brooder stoves, made of highest quality iron castings that will wear and last indefinitely. They will burn any kind of fuel with equally satisfactory results. We recommend chestnut sizes in all kinds of fuel and hard or soft coal, coke, charcoal or briquettes burn equally well. Of course, hard coal will not cause the pipe to become dirty as quickly as the others, but it will give no better heat.

They are unquestionably the leading coal burning brooder stoves on the market. Prices f. o. b. Salt Lake City.

Queen Brooder Stove No. 1—capacity 500 chicks; price $25.75.
Queen Brooder Stove No. 2—capacity 1000 chicks; price $29.50.
Royal Brooder Stove No. 5—capacity 500 chicks; price $23.75.
Royal Brooder Stove No. 6—capacity 1000 chicks; price $29.50.

**RELIABLE OIL BROODER**

This is a high power oilburning brooder, operating on the same successful principle as the coal-burning brooders. Simple as an ordinary house lamp. No complicated levers, valves or thermostats. Equipped with a blue-flame burner that is absolutely smokeless, odorless and noiseless. Self-Feeding, Self-Regulating. Simple. Safe and Durable. Price No. 1, capacity up to 500 chicks, canopy diameter 42 inches, $18.50 each f. o. b. Salt Lake City. Shipping weight 50 lbs.

**INCUBATORS**

These Incubators are guaranteed by the manufacturers to hatch every hatchable 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 quoted are f.o.b. Salt Lake City.

**QUEEN, REGULAR STYLE**

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap.</th>
<th>C'dt.Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>85 egg 72 lbs.</td>
<td>$30.50</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>135 egg 87 lbs.</td>
<td>41.00</td>
<td></td>
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<tr>
<td>3</td>
<td>185 egg 98 lbs.</td>
<td>48.25</td>
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<tr>
<td>4</td>
<td>275 egg 135 lbs.</td>
<td>62.50</td>
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<tr>
<td>5</td>
<td>400 egg 171 lbs.</td>
<td>72.75</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>600 egg 238 lbs.</td>
<td>116.00</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1000 egg 275 lbs.</td>
<td>173.00</td>
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</tbody>
</table>

**QUEEN, STYLE K**

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap.</th>
<th>C'dt.Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>70 egg 46 lbs.</td>
<td>$18.00</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>120 egg 70 lbs.</td>
<td>30.75</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>220 egg 100 lbs.</td>
<td>46.50</td>
<td></td>
</tr>
</tbody>
</table>

**SUCCESSFUL INCUBATORS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap.</th>
<th>C'dt.Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>60 egg size 70 lbs.</td>
<td>$17.25</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>120 egg size 90 lbs.</td>
<td>27.00</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>175 egg size 120 lbs.</td>
<td>34.90</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>240 egg size 140 lbs.</td>
<td>40.50</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>312 egg size 160 lbs.</td>
<td>46.50</td>
<td></td>
</tr>
</tbody>
</table>

**Reliable Egg Scale**

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 the one shift, thereby taking the place of two scales. It has four steel knife-edge bearings which guarantee a correct weight and long life. Price, $3.25, each.

**Acme Egg Scale**

Is being used by thousands of poultry specialists, egg producers, managers of hatcheries and marketing associations, convincing evidence that the Acme is considered a most practical and efficient egg scale. The United States Government Poultry Specialists are using it as their official scale in establishing the standard grades of market eggs. Construction is very simple and durable. Operation is very quick and entirely automatic in indicating the grade of the egg. Price $3.50 each.

**"The Successful" Grain Sprouter**

The Successful Grain Sprouter, made in sections, is the most practical and the greatest profit producing appliance that has been offered the poultry raising public since the invention of the incubator.

The double galvanized steel wall construction is one exclusive feature. The all-metal tray is another exclusive feature. The ordinary grain sprouter is equipped with ordinary wood frame trays that will soon wrap and rot from coming in contact with warm moist grain, and common wire netting in the bottoms that will soon rust.

Sizes and Prices F. O. B. Salt Lake

- No. 1—Base and 1 Section—(Weight 56 lbs.)—2 trays, holds 8-10 qts. dry grain.... $13.50 Each
- No. 2—Base and 2 Sections—(Weight 70 lbs.)—4 trays, holds 16-20 qts. dry grain... 17.50 Each
- No. 3—Base and 3 Sections—(Weight 90 lbs.)—6 trays, holds 24-30 qts. dry grain... 22.50 Each
- No. 4—Base and 4 Sections—(Weight 110 lbs.)—8 trays, holds 32-40 qts. dry grain... 28.00 Each
- No. 5—Base and 5 Sections—(Weight 122 lbs.)—10 trays, holds 40-50 qts. dry grain... 35.00 Each

Each additional Section and 2 galvanized all-steel trays (Weight 20 lbs.)... 8.75 Each

**The Little Eggetter**

Miniature heated grain sprouter for 40 hens, holds 8-10 qts. (see cut) each... $8.95

**Little Putnam Brooder Heater**

Here is a brooder heater ideal for a small bunch of chicks. Can be put inside of a box or small room, and handle up to 75 chicks. Burns kerosene and is of all metal. Absolutely safe in every respect, and a child can operate it satisfactorily. Price $4.75 each.
DRINKING FOUNTAINS FOR POULTRY

MASON JAR FOUNT
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—Galvanized (postpaid), 1½, three for... $0.35
No. 1—Enamel (postpaid) 1½, three for... .35
No. 13—Star Shaped Tin (postpaid), 1½, three for... .35

NON-FREEZE DRINKING FOUNTAINS
These fountains are constructed like Thermost Bottles, so thoroughly insulated that even at zero and below the water is protected from freezing and in hot weather the water remains cool for a long time.
Two-gallon size, shipping wt. 18 lbs., each... $4.50
Three-gallon size, shipping wt. 23 lbs., each... 5.25
Five-gallon size, shipping wt. 27 lbs., each... 6.50

SANITARY CHICKEN FOUNTAIN
So constructed that drinking water is kept clean and pure. The fountain is in two pieces and can be very easily cleaned. No. 1—1½-gal. size, each $1.50; No. 2—3½-gal. size, each $2.50

SANITARY FOUNTAIN LAMP
This special lamp fits either the No. 1 or No. 2 fountain and prevents the water from freezing in winter. It holds one gallon of coal oil. Price, each $2.00.

MOE'S IMPROVED WALL FOUNTAIN
Made of galvanized iron in three sizes; covered outlet keeping out dust and dirt.
No. 97—Capacity 2 qts., weight 3 lbs., each... $1.10
No. 98—Capacity 1 gallon, weight 4 lbs., each... 1.35
No. 99—Capacity 2 gallons, weight 5 lbs., each... 1.60
No. 74—Capacity 5 gallons, weight 6 lbs., each... 2.19

MOE'S "TOP FILL" FOUNTAINS
Galvanized iron with double walls, keeps water cool in summer and retards freezing in winter. Fills from the top and feeds automatically. Easy to clean. Made in three sizes.
No. 1—Capacity 1 gallon, wt. 4 lbs., each... $1.95
No. 2—Capacity 2 gallons, wt. 7 lbs., each... 2.95
No. 4—Capacity 4 gallons, wt. 9 lbs., each... 3.65

MOE'S FOUNTAIN AND BROODER HEATER NO. 10
Can be used with all styles of fountains and effectively prevents water from freezing. Effectively solves the problem of a uniform supply of fresh, clear water at all times, no matter how cold the weather. It is also an excellent heater for small brooders. The lamp or bowl holds sufficient kerosene to burn continuously for seven days. Simple and safe. Nothing to get out of order. Height, 7 inches. Diameter, 11 inches. Shipping weight, 4 lbs. Each... $2.00

ADJUSTABLE MILK FOUNTAIN
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. Price $1.00 each. Shipping weight ½ lbs. each.

WATER AND FEED CUPS FOR EXHIBITION COOPS
Holds about one pint and hangs straight when applied to the coop. Can be attached to any exhibition coop. One size only.
No. 61 Shipping Weight ½ lb., each... $ .25

ROYAL TWO-PIECE CLEAN OUT FOUNTAINS
These fountains are similar in appearance to Improved Wall Fountains but made from extra heavy galvanized iron with double walls which keeps the water cool in summer and retards freezing in winter. Can either be set on the floor or hung on the wall. Covered outlet keeps dust, dirt and litter from getting into the drinking pocket.
To fill, take fountain apart, fill the inner tank and slip the outer tank down over it and then invert. Easily carried by heavy bail. One of the best and most popular fountains on the market appealing to the more particular poultrymen.
No. 70—1 gal. capacity, weight 4 lbs. price each... $1.40
No. 71—2 gal. capacity, weight 6 lbs. Price each... 1.75

ROYAL TWO PIECE DUPEX CLEAN OUT FOUNTAINS
Same construction as TWO PIECE FOUNTAINS except that they have two drinking pockets—one on each side of the fountain—and can be used to supply water to two pens if desired.
No. 171—2 gal. capacity, weight 6 lbs., price each... $2.00

Non-Freeze Fountain

Sanitary Chicken Fountain

Adjustable Milk Fountain

Mason Jar Fount

Improved Wall Fount

Buttermilk Feeder Trough

RELIABLE 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 attached to any city water line or farm water tank or seen a barrel, supply the fresh water automatically. Price $1.00 each.

DREW CHICK TANK
This is a 100-chick size, built of heavy rust-resistant copper-steel, heavily galvanized. It is an ideal, large capacity waterer. There are only two parts to this waterer—the bucket and the watering pan. It saves time, worry, work and trouble in watering large flocks. Capacity 1½ gal. Weight 6 pounds. Price $1.90 each.

MOE'S PIGEON FEEDER
This is designed to prevent waste. Made of heavy galvanized iron, with feeding holes, properly spaced all around the hopper. The hopper has a slanting bottom leading through a large tube to the feeding bottom.
No. 105—Capacity 3 qts., weight 2 lbs., each... $1.10
No. 106—Capacity 6 qts., weight 4 lbs., each... 1.00
Feeders and Racks for Poultry

Prices are not prepaid, please send postage if by mail

**DRY MASH HOPPER**

The curved bottom of the Hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the change through the wire grid prevent any chance of the feed being turned or wasting any of the feed. The sloping cover prevents the birds from roosting on the Hopper, and when covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35–3½ in. wide, wt. 5 lbs.; capacity 10 qts., each</td>
<td>$1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36–12 in. wide, wt. 6 lbs.; capacity 14 qts., each</td>
<td>$1.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37–24 in. wide, wt. 8 lbs.; capacity 22 qts., each</td>
<td>$2.75</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ROUND BABY CHICK FEEDERS**

Pure food for the baby chicks. A great feed saver, as the little chicks cannot get into it and contaminate the feed. Cannot be upset. Can also be used for water or milk. This is a practical, well made feeding device that will last for years. Manufactured in two sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11–6 in. diameter, 8 feeding holes, wt. ½ lb., ea. 50c.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12–¾ in. in diameter, 12 feeding holes, wt. 1 lb., ea. 40c.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 45—For baby hens, 2 comp., wt. 1 lb., ea. 50c.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 9—For grown birds, 3 comp., wt. 3 lbs., ea. $1.15.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 90—for grown birds, 4 comp., wt. 4 lbs., ea. $1.30.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOE’S SANITARY FEEDING TROUGHS**

Made of best quality iron, with removable tops. Edges turned under. Safe for chicks. Easy to fill and clean.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 55—12-inches, 9 holes, Weight 1 lb., Each</td>
<td>$0.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 56—18-inches, 13 holes, Weight 2 lbs., Each</td>
<td>$0.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 57—24-inches, 18 holes, Weight 3 lbs., Each</td>
<td>$0.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 58—12-inches (Double), 18 holes, Weight 1½ lbs., Each</td>
<td>$0.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 59—18-inches (Double), 26 holes, Weight 2 lbs., Each</td>
<td>$0.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 60—24-inches (Double), 36 holes, Weight 3 lbs., Each</td>
<td>$0.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ROYAL CHICK FEED TROUGHS**

These Feed Troughs can be used for chicks or growing stock and are used abundantly under Brooders for the feeding of buttermilk, starting feeds and chick feeds of any kind. Some users prefer these to the slide top trough as eliminate the possibility of the feed sliding off. The holes are punched close to the bottom without rough edges so that the chicks can feed readily without having to attempt to get in the feeder.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 9—length 9 in., 10 holes, wt. ½ lb., each</td>
<td>$0.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 12—length 12 in., 14 holes; wt. 3/4 lb., each</td>
<td>$0.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 18—18 in., 22 holes; wt. 1 lb., each</td>
<td>$0.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 24—length 24 in., 24 holes; wt. 1½ lbs., each</td>
<td>$0.55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ROYAL OPEN CHICK TROUGHS**

For those who prefer the open type of trough, the new Royal of this pattern is very substantially made from prime sheets and is furnished with an adjustable revolving rod which can be moved up and down through the trough to the end by making a half turn of the rod before moving. No nuts to take off or delays in doing this. The rod can be adjusted to three different heights.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 120—length 12 in., wt. 2½ lb., each</td>
<td>$0.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 150—length 15 in., wt. 1 lb., each</td>
<td>$0.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 210—length 24 in., wt. 2 lb., each</td>
<td>$0.55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOE’S PIGEON NESTS**

Made of galvanized iron. Diameter 8 in. with a small hole punched in center so it can be tucked to a board. Generally used in pairs.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 107—Pigeon Nests; weight 8 oz., each</td>
<td>$0.15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOE’S LARGE CAPACITY FEEDERS**

No. 110—Feeder, capacity 10 quarts, length 21 in., width 8½ in., height 7 in. 16 openings on each side, so that 32 chicks can feed at one time. Shipping weight 4 lbs. Price—$1.40 each.

No. 111—Feeder, capacity 17 quarts, length 35 in., width 8½ in., height 7 in. 27 openings on each side, so that 54 chicks can feed at one time. Shipping weight 8 lbs. Price—$2.00 each.

**ROYAL FEED TROUGHS**

Extra heavy slide top made from best quality prime galvanized sheets accurately formed with dies; no sharp or rough edges: to care for the demand for an extra heavy, deep, well-made trough with slide top that is put on and slides easily and which will hold sufficient feed for the growing chicks under Brooders. Strictly a quality Trough with smooth turned edges. Made in three sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 212—length 12 in., 16 holes, wt. 2½ lb., each</td>
<td>$0.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 215—length 15 in., 26 holes, wt. 1 lb., each</td>
<td>$0.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 221—length 24 in., 34 holes, wt. 1½ lbs., each</td>
<td>$0.65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ROYAL CHICK HOPPER**

Made from heavy galvanized prime sheets. Holds a peck of feed; 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. Neat, practical and durable hopper for chicks. Height, 12 inches; diameter, 8 inches; diameter of pan, 12½ inches. 22 feeding holes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 56—Shipping wt 2 lbs., capacity 1 peck, each</td>
<td>$1.75</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DREW’S WET MASH TROUGH NO. HB525**

It is made of the best galvanized steel with a trough 60 inches long and 21 inches wide over the perches. It stands 21 inches high to top of guards. The wire guards keep the feed clean and prevent waste.

Shipping wt. 30 lbs., Price—$2.50 each.

If you are not receiving our regular quotations to Poultrymen, please ask that your name be added to List.
The disinfecting, germ-killing, white paint. S a v e s time, money, labor. It prevents and disinfects at one time. Better than white-wash, as it will not run or crack off. Dries white and clean stays on. Carbohydrate is neither poisonous nor caustic, but will disinfect. Every poultryman and dairymen should use Carboroll to keep buildings clean and sanitary.

Trial package 50c; 10 lb. package $1.50; 50 lb. bag $6.25; 200 lb. bbls. $22.00.

An-No Bowl Regulator—Used by poultrymen as a help in preventing and fighting against such bowl troubles as cockadoodad, white diarrhoea and cholera in chickens and turkeys.

3 Sizes, each 25c; 50c; $1.00, postpaid.

Lee's Geromzone—for Poultry—Never fails to cure Bowl Complaints, Cholera, Roup, Colds, etc. Don't be without it. Price: Liquid, 5-oz. bottle, 40c; liquid, 12-oz. bottle, 75c; 31-oz., $1.50. We do not ship the liquid by mail. But furnish tablets at same price, postpaid.

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

**DOG SUPPLIES**

Mange Remedy (Oily dark color)—For skin diseases.

Distemperine, liquid (tablets). For distemper.

Condition Pills with Pepsin—Remedy in all run down condition.

Blood Purifying and Cooling Pills—For Eczema and all skin diseases.

Laxative Pills—Keep the bowels in good condition.

Worm Pills—For the expulsion of worms.

Vermifuge—liquid—for worms, all ages and breeds.

Canter Lotion—(liquids) Canter, deafness, etc.

Puppy Tonic—To strengthen weak puppies, relieve them of colic.

Diarrhoea Remedy—liquid (tablets).

Cedrine Dog Wash and Disinfectant—For fleas.

Killed—(Dog Soap). Can be used internally or externally without injury to the dog's skin or coat, but will keep both in good condition.

Skin Medicine (Colorless)—For skin diseases.

Euch Remedy—For coughs and colds.

Digestive Tablets—for all kinds of ills and convulsions.

Little Red Worm Bullets—for toy puppies and toy dogs.

Ghore tablets.

Killed Powder—for dogs and cats, per can.

Tape Worm Expeller—Especially prepared for tape worm.

Fit Remedy, liquid (tablets)—For all kinds of ills and convulsions.

Barnes' Vita-Tone—Controls surplus worms without danger to animal—For dogs and cats.

Spratt's Catnip Mice.

Dog Collars, various sizes and styles, each 30c up to $1.25.

**GOLD FISH AND SUPPLIES**

**GOLD FISH**

Small Fish about 2 in. long, each $0.25

Medium Size, 2½ to 3 inches long; each 35c to...

Large Size, 3½ to 4 in. long; each 50c, 75c and...

Fan tails, according to size, each 50c, 75c and...

Tin Pails, for use when shipping fish, are sold at about cost; quart, 85c; 2-quart, 30c; 3-quart, 25c; gallon, 35c.

Fish must be fresh and travel by express. Customers pay express charges on Care of gold Fish FREE with each order.

**AQUARIUM SUPPLIES**

Fish Food, imported, Rice Wafer. ...$0.20

Fish Moss, in bunches, tied with lead; when in stock per bunch, 25c; 2 for...

**BOOK ON DOG DISEASES—AND HOW TO FEED—FREE**

**DOG FOODS**

Note: Add postage on all sizes if wanted by parcel post. Allow a little extra for weight of packing.

Spratt's Dog Cakes—A thoroughly balanced compound that will not spoil with age. Known the world over as a complete and constant food for dogs. (Bulk) lb., 20c; 2 lbs., 35c; 5 lbs., 90c; 10 lbs., $1.65; 25 lbs., $3.65; 50 lbs., $6.75; 100 lbs., $13.25.

Spratt's Dog Cakes (2 lb. carton)...

Spratt's Dog Cakes (4 lb. carton)...

Spratt's Dog Cakes for Puppies, 50c each.

**PUPPY FOODS**

Spratt's Puppy Cakes—A perfectly balanced compound that will not spoil with age. Known the world over as a complete and constant food for dogs. (Bulk) lb., 20c; 2 lbs., 35c; 5 lbs., 90c; 10 lbs., $1.65; 25 lbs., $3.65; 50 lbs., $6.75; 100 lbs., $13.75.

Spratt's Puppy Cakes (2 lb. cartons)...

Spratt's Oatmeal—Miniature oval cakes for puppies and dogs.

Ideal pocket size, (2 lb. carton)—50c each.

Spratt's Fish (See Dog Foods).
BIRD SUPPLIES AND CANARY BIRDS

CANNARY BIRDS

Every singer we sell is known by us to be a singer. We do not send out on trial or exchange birds. State the amount you wish to pay and leave your selection to us. All birds are graded as to singing qualities and range of notes.

Hartz Mountain Strain — These are the popular singers and usually are mixed in plumage. Considered worthless. Price ranges from $6.00 to $10.00 each depending on range and quality of song.

St. Andrews Rollers — With the wonderful soft-toned rolling notes. $10.00 to $15.00 each depending on song.

BIRD FOODS AND REMEDIES

Postpaid Prices

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bird Manna, in cakes ready to attach to edge, each</td>
<td>$1.20</td>
</tr>
<tr>
<td>Bird Bitters, Iron Tone, per bottle</td>
<td>$1.00</td>
</tr>
<tr>
<td>Bird Salve, small size can.</td>
<td>$0.10</td>
</tr>
<tr>
<td>Bird Books: Seed in various sizes</td>
<td>$2.00</td>
</tr>
<tr>
<td>Bird Cage Disinfectant</td>
<td>$1.00</td>
</tr>
<tr>
<td>Bird Biscuit</td>
<td>$0.10</td>
</tr>
<tr>
<td>Bird Ointment</td>
<td>$0.25</td>
</tr>
<tr>
<td>Canaradyne, wheezing and Asthma, per bottle</td>
<td>$0.75</td>
</tr>
<tr>
<td>Coloring Peppers</td>
<td>$0.25</td>
</tr>
<tr>
<td>Egg Flake and Fruit, Spratt's Excellent Food, pkg.</td>
<td>$2.50</td>
</tr>
<tr>
<td>French's Bird Tonic</td>
<td>$1.50</td>
</tr>
<tr>
<td>French's Canary Exercise Balls</td>
<td>$1.00</td>
</tr>
<tr>
<td>Mite Powder, large size with gun</td>
<td>$0.50</td>
</tr>
<tr>
<td>Mite Powder, small size with gun</td>
<td>$0.10</td>
</tr>
<tr>
<td>Leg Bands for Birds, numbered; per doz.</td>
<td>$0.25</td>
</tr>
<tr>
<td>Mexican Salve, for sexes, package</td>
<td>$0.25</td>
</tr>
<tr>
<td>Mite Powder, in Bags</td>
<td>$0.25</td>
</tr>
<tr>
<td>Nestling Food, Spratt's package</td>
<td>$1.00</td>
</tr>
<tr>
<td>Oat Flakes and Colour Food</td>
<td>$0.50</td>
</tr>
<tr>
<td>Parrot Food, mixed food for parrots, 12-oz., pkg.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Pollerackers, special biscuit for parrots, 12-oz., carton</td>
<td>$0.25</td>
</tr>
<tr>
<td>Song Restorer, valuable tonic</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

BIRD SEED, ETC.

Not prepaid, add postage if by mail.

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canary Seed, reelected imported, 2 lbs. 35c.</td>
<td>$0.60</td>
</tr>
<tr>
<td>Cuttle Bone, 1 oz. piece, 1/2 lb. 35c.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Flax Seed, medicinal, laxative, 1/2 lb. 15c.</td>
<td>$0.25</td>
</tr>
<tr>
<td>Hemp Seed, reelected, imported, 2 lbs. 25c.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Maw Seed (Poppy), reelected imported, 1/4 lb. 15c.</td>
<td>$0.50</td>
</tr>
</tbody>
</table>

FERTILIZERS AND SOIL BUILDERS

Farmorgerm-Ihumogerm seed inoculants insure the growing of bigger crops by making poor soil good and add nitrogen at a cost of practically nothing. The process is simple. Inoculated roots will deposit 15 lbs. to 200 lbs. of nitrogen to the acre — equivalent to 1/2 ton nitrate of soda. All designations are on the bushel basis; for example, the 1 lb. size contains sufficient culture to thoroughly inoculate 1 lb. legume seed any variety.

Prices on Small Seed Legumes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 lb.</td>
<td>$0.60</td>
</tr>
<tr>
<td>1/2 lb.</td>
<td>$1.00</td>
</tr>
<tr>
<td>1 lb.</td>
<td>$2.00</td>
</tr>
<tr>
<td>Special Garden size for Peas, Beans and Sweet Peas, 25c.</td>
<td>$0.50</td>
</tr>
</tbody>
</table>

Blood Seed: The Can. and Co. grow the pure Seed Legumes such as Cowpeas, Soybeans, Yetch Peas, 1/8 lb. size, $0.25; 1 lb. size, $0.50; 5 lb. size, $2.25

BLOOD MEAL

Quick acting stimulating and plant food, 5 lbs., 50c; 25 lbs., $1.75; 100 lbs., $6.00.

FISH AND MEAT MEAL

Very much in demand for celery, lettuce and other garden crops. 25 lbs., $1.50; 100 lbs., $5.00. Write for quantity prices.

NITRATE OF SODA

Apply 100 to 150 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 oftener than twice a week. 5 lbs., 50c; 25 lbs., $2.00; 100 lbs., $7.50.

“PLANT LIFE” LAWN SPECIAL NO. 1

This is a mixture especially for the lawn. A 25-pound package contains more available plant food (nitrogen, phosphoric acid and potash) than is found in 1,000 pounds of ordinary manure, without the disagreeable features connected with it, and at a lower cost. One 25-pound bag will cover a space of lawn 50- or 1,000 square feet, though larger applications will give increased results. Price — 10-lb. carton, 25c; 10-lb., $1.00; 25 lbs., $2.25; 50 lbs., $4.00; 100 lbs., $7.50.

SULPHATE OF AMONIA

Apply 75 to 100 lbs. per acre; stimulates growth almost immediately. 5 lbs., 50c; 25 lbs., $2.00; 100 lbs., $6.50.

LIME

Pulverized, fine, especially good for use on sour soil and where ground worm frequent. It purifies and fertilizes. 25 lbs., $1.50; 10-lb. bag, 45c; original 5-lb., sack, 125c.

Stim-U-Plant.—An All the Year-Fertilizer for Garden 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, 18 per cent potash. Order Stim-U-Plant tablets with your seed and plant order. Price—10 tablets for 15c; 50 tablets for 25c; 100 for 75c; 1,000 for $3.50

SHEEP MANURE

Especially prepared. This is one of the most complete fertilizers, contains no strong odor that usually accompanies animal fertilizers. 50 lbs., $1.25; 100 lbs., $2.50; 5 sacks for $9.50.
PEST AND DISEASE KILLERS

Poisons Are Not Admitted to the Mails, so are shipped by Express or Freight only. On all other items not quoted at Postpaid prices, see front cover for amount to remit for postage.

Arsenate of Lead—The leading insecticide for spring and summer spraying, and is the one most used by commercial and home orchardists and the standard for convenience and efficiency, for application with water or in dry form on fruit trees, potatoes, etc. It kills corn ear worms, currant worms, and many other pests. Must be sent by express or freight.

Price—1% lb. package, 30c; 1-lb. package, 50c. Write for quantity prices.

Antrol, unlike many other preparations, attracts the ant outside your home. The correct installation of the Antrol Shaker Jar is a definite step toward your door step and at the various points where the ants normally enter a dwelling place, Antrol is more attractive to the ant than almost any other food, it speedily draws a crowd of workers who quickly start carrying the Antrol syrup from the jar to the colony as food. In this way the entire colony is poisoned.

Once the system is installed around your home, by simply refilling the Antrol jars your place can be protected year after year. The jars are of glass with aluminum tops and should last a life time. Cottage sets consisting of 12 receptacles and 1/2 pt. of Antrol syrup $5.00 each. Extra Antrol Syrup for refilling receptacles 1 pt. 60c; qt. 95c each. Poison not available.

“Black Leaf No. 40”—Nicotine Sulphate—40 per cent Nicotine—This is the insecticide that is so highly recommended by all prominent entomologists. It destroys Aphis (plant lice) Thrips, Leaf-hoppers on all trees, bush and vine fruit, vegetables, four times a year in a bottle. It is also Apple Red Bug, Pear Psylla and similar soft-budded sucking insects—all without injury to foliage.

You cannot go wrong by ordering “Black Leaf 40” for sucking insects. Prices, 1 oz., $3.50; 1 gal. $1.25; 2 gal. $1.75; 10 gal. $15.50; 1 cu. yd. $17.50. Important—Use a coarse, spray always.

Price—1% pint 50c; pint 75c; quart $1.25.

Copper Carbonate—For treating Wheat for earworms and can be applied at any time. There is no danger of freezing, heating or spraying the seed, and seed properly treated does not become infected again through contact with infected sacks and drills, as the disease remains alive when seeded into the soil. Mix thoroughly 4 oz. of Copper Carbonate to each bushel of wheat, by turning three or four times with a shovel. It is well to tie a cloth over the nose and mouth when turning it with a shovel as the dust is sometimes unpleasant and will produce nausea. Price—per lb. 50c; 5 lbs. $2.35; 25 lbs. $9.00.

Cow Ease (Fly Driver) — Is a liquid preparation from non-poisonous material, which repels flies and keeps the skin clean. A herd of milch cows sprayed regularly through the fly season will eat 100 lbs. at the rate of 3 cents more milk. Price—Quart 45c, weight 4 lbs.; 1/2 gallon 50c, weight 8 lbs.; gallon $1.80, weight 15 lbs.

Cyanogen Calcium Cyanide—A valua-
ble insecticide as well as rodent de-
structor.

Fumigation with it as shown by ex-
tensive experiments, is safe, whereas the old practice of a short fumigation with a high concentration is likely to cause injury to the plant.

With Cyanogen Calcium Cyanide the hydrocyanic gas is gradually liberated and a high gas concentration is avoided.

1 lb. 65c; 5 lbs. $2.50.

Dusting Sulphur—The most common fungicide used on vegetables and orchard plants is early Blight on potatoes, Scab on apples and pears, Blight, Rust, etc. Dusting Sulphur is good for all these and can be used by itself or in combination with Arsenate of Lead, mixing the two in equal proportions.

Price—1 lb. 26c; 5 lb. 65c; 10 lbs. $1.10; 100 lbs., $7.50.

Dry Powdered Fungi-Borde—Fungi-
Bordeaux mixture is perfect Bordeaux Mixture Concentrate is a dry powder which you will receive in soft-proof impervious form. Some Dry Pow-
dered Fungi-Borde to thirty gallons of water will prove an effective insecticide and fungicide.

1 lb. 65c; 5 lb. $2.00; 10 lb. $3.75.

Formalindehyde—For the prevention of smut on grain; it is easy to apply. One bottle, diluted with 40 to 50 gallons of water, will protect thorough-ly 30 bushels of wheat or barley for smut; 4 bushels of oats for smut; or 60 bush-
els of for wheat for Sclerotice ounce bottle, $1.00.

Flyrol—The household insecticide and disinfectant. Destroys insects, such as cockroaches, flies, moths, bed bugs, fleas, chicken lice and their eggs.

Price—pint 65c; quart $1.10; gallon $3.00.

Hall’s Nicotine Fumigator—A special-
ly prepared fumigating Compound saturated with pure Nicotine. Lights quick-
ly and smokes will not blow out. It costs but 25 cents to fumigate a green-
house 200x100 ft. 10 lb. tins $6.50; 25 lbs. $25.00.

Hall’s Free Nicotine—For the control of ants, effective greenhouse spraying or vaporizing. As a spray it costs only 2½ cents a gallon. For the fumigating it will cost you 1 cent for 4 lbs. in a full 25 lb. tin. Price—1 lb. $15.00; 2 lbs. $24.50; 1/2 gal. tins $1.40.

Keltog’s Ant Paste (“Rattle Cap”)—A very effective remedy for control of ants. For a quick, temporary relief, 25c per bottle.

Lime-Sulphur (Dry Form)—A good remedy for San Jose Scale; also an excellent fungicide. Price—1 lb. 35c; 5 lb. package $1.25. Ask for quantity prices.

Lee’s Garden Insecticide—Destroys all kinds of insect life found on flowers, plants and vines. No mixing, just shake it on. In shaker top cans; 1-lb., 35c.

MELROSEIN.—The only remedy—en-
dorsed by leading authorities. The GEN-
eral CONTACT INSECTICIDE that KILLS ROSEBLOGS and other insects. Use with water or alone. Mixed with water from 20 to 25 parts of water. Pleasant and harmless to use. Guaranteed effective. Directions to directions on can. Gal. $6.00; Half Gal., $3.25; Qt., $1.75; Pt., $1.00 Trial bottle, 50c.

Nico Dust No. 6—Especially prepared for garden pests. 5 lbs., $2.10; 25 lbs., $9.00. Ask for quantity prices.

Nico Dust No. 10—Similar to No. 6 but containing more nicotine. 5 lbs., $2.75; 25 lbs., $11.50. Write for quantity prices.

Nico Garden Dust—an all purpose dust containing nicotine, sulphur, lead arsenate and Gunpowder. A mailable package, 1/2 lb. cartons 45c; 2 lb. carton, $1.50.

Paris Green—Is the most positive poiso-
ning there is to be had, containing the highest poison efficiency at a minimum cost. It is quick-acting, powerful and sure. It will protect three or four trees use 1 ounce to 6 gallons water; 1 lb. to 100 gallons of water.

Price—1/4 lb. 25c; 1/2 lb. 45c; 1 lb. 80c.

Rat Poison (“Gets Me Quick!”)—Effective remedy against Rats, Mice, Gophers, Ants, and Squirrels. Price 50c.

Scalecide—The “Certain Death” to scale insects and destroys Brown Mites and Apple Leaf Roller Eggs and controls Canker Rot, Root Rot, Twig Blight, and many other fungous diseases. It is a liquid, with a strong vaporization, intuitive of “brown patch” which destroys the turf of golf greens, tennis courts, parks, etc.

Price—2 oz. 60c; 4 ozs. $1.00; 8 ozs. $2.00.

Directions: Dry treatment, use two ounces to each bushel of seed to be treated; liquid treatment, dissolve one ounce to three gallons of water.

“Sure Noxem”—Controls most leaf eating insects. No mixing up after top can; simply shake it on the plants. Lb. can 35c.

Tobacco Dust—When dusted over young plants, it is very efficient in repelling many kinds of bugs and in keeping the foliage from Aphids and Scale.

Price—1/2 lb. 15c; 1 lb. 25c; 10 lbs. $1.40; 25 lbs. $3.00; 100 lbs. $16.00.

White Oil Soap (Fish Oil)—Dissolve 2 ounces of soap to 1 gallon of water for all small fruit. For large fruit trees, shoveling 2 lbs. of soap per gallon. Very effective as a spreader for “Black Leaf 40,” Neo-Pume, Liquid, etc.

Price—1/4 lb. 15c; 1/2 lb. 25c; 1 lb. 35c.
SPRAY PUMPS (For Every Purpose)

All Sprayers are quoted F. O. B. Salt Lake City, unless otherwise noted.

STANDARD SPRAY PUMP

Standard Pump with “Potato” Extension and Knapsack

Can be used with bucket, knapsack, tank or barrel for spraying orchards, gardens, vineyards, white-washing, disinfecting chicken houses, killing vermin on stock. Made entirely of brass. Nothing to get out of order. For pump and nozzle, price $6.00; weight 4 lbs. For knapsack, price $3.50; weight 5½ lbs. Extension rod, price $1.25; Vetricine Nozzle, 75c.

HUDSON'S IDEAL NO. 33 (With Compression Tank)

A strong, durable, Wheel Barrell Sprayer, desirable for whitewashing and for every form of spraying. Fitted with regular No. 4 Barrel Pump; Agitator, new dasher type; Tank, heavy copper-bearing galvanized, reinforced top and bottom. Capacity, fifteen gallons; Air Pressure Tester, boiler tested to 275 pounds pressure. Wheel, twenty inch. Shipping weight 100 pounds. Price $40.00.

HUDSON'S NEW SUNSHINE SPRAYER NO. 36

General purpose orchard, field and whitewash sprayer. Galvanized tank capacity 12½ gallons. Truck equipped with double wheels. Shipping weight 75 lbs. Price $15.75. All Sprayers and Garden Implements are quoted F. O. B. Salt Lake City, unless otherwise noted.

COMPRESSED AIR SPRAYERS

For work of any kind requiring a high pressure compressed air sprayer. Practical for use around orchard, barns, chicken houses; spraying trees, gardens, etc. Made of galvanized steel, capacity of tanks about four gallons. Shipping weight 12 pounds.

Brown's Auto-Spray No. 9-D .................................. $7.50 each
Hudson's Perfection No. 110-G ................................. $7.50 each

JUNIOR COMPRESSED AIR SPRAYERS

In appearance and operation the following are same as above. Capacity 2½ gallons; shipping weight 8 pounds.

Made of galvanized steel:
Hudson's Junior Sprayer No. 140G ................................ $6.00 each
Brown's Auto-Spray No. 50D .................................... $6.00 each
No. 25 D&B Sprayer—For all liquid mixtures. 1½ gallon capacity—works with compressed air. Remarkable for its convenience in operation and sturdy construction. Easily carried and controlled with one hand. Brass extension tube can be turned to spray up, down, or any angle desired. A touch on the nozzle lever puts this sprayer in instant operation. Galvanized tank, brass nozzle. Shipping weight 6 lbs Price $4.50 each.

AUTO SPRAY NO. 6—BUCKET PUMP

White-wash and general purpose sprayer. Practically indestructible. Brass ball valves, heavy brass air chamber and pump cylinder. Malleable castings, legs clear 12 inches and fit over bucket. It is equipped with strong ½ inch discharge hose, three feet long. Shipping weight 8 lbs. Price $9.00.

Hudson's Model No. 122—Similar to Auto Spray No. 6. Shipping weight 6 pounds; all brass except foot rest and handle. Price $5.00 each.

Auto-Spray No. 7—A very practical pump, may be used with barrel or bucket; ideal for white-wash and cold water paints as solution is constantly stirred by an air jet agitator. Has furlerum handle. Almost entirely of brass. Foot rest d top casting of strong malleable iron. Equipped with 3 feet of hose, guaranteed for 200 pounds pressure. Brass nozzle with strainer screen. Shipping weight ten pounds. Price $7.50 each.

Auto-Spray No. 11—Will throw continuous stream 30 feet high or continuous spray. Equipped with clog-proof Auto-Spray nozzle also Solid Stream nozzle. Bucket sprayer for whitewash, washing windows, spraying trees, etc. made of galvanized steel. Shipping weight 4 pounds. Price $3.00.

HUDSON BARREL CART SPRAYER No. C

With this pump all requirements are met for powerful high pressure equipment where adaptability to most any situation and has ample capacity for two lines of hose if necessary. Adapted to whitewashing, cold water paints, and especially for orchard and vineyard.
CONTINUOUS AUTOMIZERS
The following operate continuously on both up and down stroke, throw a fine misty spray; handle any solution. Capacity 1 qt. Shipping weight 2 pounds:

Lowell’s No. 116—Galvanized.................$1.00 each
Brown’s No. 26A—Tin..................$1.00 each
Brown’s No. 26C—Brass.................$1.50 each

BORDEAUX WHITWASH NOZZLE No. 71—For spraying whitewashing or cold water painting. 

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 1/4 inch standard pipe. Price $1.00 Each.

P-W’s HANDY SPRAYER
We recommend this handy little sprayer for the poultryman for spraying disinfectants, ice spray, etc. It is well made of bright tin, and with reasonable care will last a long time. The reservoir holds a quart.

Weight, 1 lb. Price each 55c.

P-W’s MIDGET SPRAYER
Same style as P-W’s Handy. Capacity 1/4 pint. Price 40c each

DUST SPRAYERS
THE AMERICAN BEAUTY DUSTER
This is the most powerful, most efficient and fastest machine ever built for the control of plant pests. It is always ready; requires less than five minutes to get into action. This is of the utmost importance when a serious infestations threatens and the value of your crop is in the balance. Delay at this time frequently means an unsalable crop, and—ruin.
The initial cost is $3.00. The upkeep is negligible. A powerful bellows drives the dust 25 feet high, and will dust 8 acres of trees per day. Weight 16 lbs. Price $22.00 each.

THE CALIFORNIA BEAUTY DUSTER
Same in general appearance as American Beauty best; the size, capacity and shifting device are reduced and modified, making it especially adapted for truck crop work.
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 $15.00 each.

MISCELLANEOUS SUPPLIES

MAGIC BLOAT and COLIC CURE—Gives instant Relief to Alfalfa or Clover Bloat in Cattle or Sheep and for the Colic it Has No Equal—It is positively guaranteed to get the results claimed. All livestock owners should have a bottle ready for use as such needs permit of no delay in applying remedy. For Cattle Bloat—Three-fourths tablespoonful in one pint of water. Horse Colic—One teaspoonful in pint of water. Sheep Bloat—Half teaspoonful in half pint of water. Keep well corked in cool place. Sold only in $1.00 bottles. If by mail add 15c extra for postage.

Bag Balm (or Healer)—This is a splendid remedial agent for the various diseases suffered by cattle. Many dairy men swear by it. It can be used freely without any fear of injuring the cow, as there is nothing in it that is harmful. Good for caked udder, sore cows, stools, bunches, chapping, cuts, inflammation, etc. Per can 65c each, postpaid.

Egg-O-Latum

Keeps fresh eggs for one year. Simply rubbed on, it seals the egg tight and is air, moisture, odor and germ proof. Eggs put down in August, September or October are as fresh in January, February or March as when first laid and are both worth double the price. Coat the palms of your hands with Egg-O-Latum and then roll and rub the eggs in your hands. You can do a dozen per minute. 50c per jar—enough for 50 dozen eggs. Add 10c per jar if by mail.

Grafting Wax

We know from actual, personal, grafting experience just exactly what is needed in a wax, and our product is always uniform. It will neither soften and leave the graft, melt in the sun, or be too hard to work up nicely in the hand.

Excellent to apply to young trees and shrubs that have been grafted. It is put on easily and quickly, and will remain there and prevent decay until the wound is covered with new bark. Price 1/4 lb. 25c; 1/2 lb. 30c; lb. 50c. Postage extra.


Continuous Atomizer

Perfection Nozzle No. 176—Adjustable and suitable for use on all compressed air machines, shown in cut “Compressed Air Sprayer.” Handles all solutions. Fitted with 1/4 inch pipe thread so extension rod can be added. Price—$1.75 each.

Seelay’s Rubber Plant Sprinkler—Mist sprays suitable for house plants indoors; shipping weight 1 pound. Price $1.25 each.

LEG BANDS—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 life-time. Birds cannot lose or remove them. They are made in sizes for every breed of poultry, picrons and baby chicks. Please state breed and ordering. Prices of the four poultry sizes: 12 bands, 25c; 25 bands, 30c; 50 bands, 50c; 100 bands 75c. Pigeon and day-old chick sizes: 12 bands, 15c; 25 bands, 25c; 50 bands, 40c; 100 bands, 65c, postpaid.

Champion—Adjustable—Best adjustable leg band. Has neat, compact and smooth fastening, with no catching points; easily attached and absolutely secure. Prices, 12 for 25c; 25 for 30c; 50 for 60c; 100 for 75c, postpaid.

Smith’s Sealed—Of aluminum and so constructed that by simply crushing the band when they are sealed on the bird’s leg, and must be destroyed to be removed. Prices, 12 for 35c; 25 for 65c; 50 for $1.15; 100 for $1.75, postpaid. Plain sealers, 75c each.

Chicken Markers

Chicken Markers—All Postpaid

Petty’s Perfect Poultry Punch, small hole; each 30c. Moe’s Ideal Poultry Punch, needle plated, each 50c.

Paper Egg Boxes

Paper Egg Boxes—All styles made of extra heavy cardboard and will carry eggs safely. Shipping weight 2 lb per dozen.

Standard—3x4 Dozen 25c; 100, $1.75; 250, $4.00.

Standard—2x6 Dozen 30c; 100, $2.00; 250, $4.50.

Continental—2x6 Dozen 35c; 100, $2.25; 250, $5.25.
Nest Eggs
Lime Nest Egg—Preferred by many as they are unbreakable and more natural in shape and color. Price 5¢ each; 40¢ per dozen. Weight 2 lbs. per dozen. Postage extra.
Porcelain—Best grade, strong and durable. Each 5¢; Dozen 40¢; Weight, ¼ pound per dozen.

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, and much of it. To make a profit in poultry raising all male birds should be made capons. Very easy to do after reading special book of instructions. Set complete each...........................................$4.00 Postpaid.

Lamps, Burners
And Extras for Incubators and Brooders
Lamp Bowls for No. 2 Burners, galvanized..............................................each (postage extra 10¢)..........................$0.65
Lamp Bowls for No. 3 Burners, galvanized.............................................each..............................................$0.50
Lamp Burner No. 1, brass; each.................................................................$0.50
Lamp Burners, No. 2, brass; each...............................................................$0.55
Lamp Burners, No. 3, brass; each...............................................................$0.70
Burner Reducer, fits No. 3 bowl and No. 2 Burner.................................15¢
Burner Enlarger, fits No. 2 and No. 3 burner..........................................15¢
Wicks, Common, for all sizes; each, 5¢ for 6 drive, no folding of corners. All the corners are scored. They always open up square.
Tin Chimney for No. 2, 30c; for No. 3 burners; each..............................35¢
Thermostat, Round Pattern, 3-in. (Wafer) 75¢ each, 2 for 1.25

Thermometers—All Postpaid
No. 1055 Troy Incubator-Brooder Thermometer, legs, each $0.85
No. 1112 Brooder Thermometer, each.....................................................70¢
No. 1116 Brooder Wood Mounted Thermometer, each.............................75¢
Reliable Incubator Special Retested, each................................................1.25
Queen Incubator Special Retested, each...................................................1.25

“Harris Ready-to-Use” Plant Bands and Pots
They are the only really Ready-to-Use bands on the market. There are no locks to put together, no bolts to drive, no folding of corners. All the corners are scored. They are packed nicely in cartons containing a given quantity and are in order—ready to use. Many other makers come loose and have to be arranged in order before using.

Size and Prices—Prepaid in U. S. A.
2B Plant Bands 2 x 2 in., $1.25 per 250; $1.50 per M
2B Plant Bands 3 x 3 in., $1.50 per 250; $1.70 per M
2B Plant Bands 4 x 4 in., $2.25 per 250; $2.75 per M
3P Plant Pots 2 x 2 in., $1.50 per 250; $1.80 per M
3P Plant Pots 3 x 3 in., $2.00 per 250; $2.50 per M
3P Plant Pots 4 x 4 in., $2.50 per 250; $3.00 per M

Pot and Tree Labels
Pot, 4-in. plain, 1,000 in a box.................................................................10¢ 35¢ 2.75
Pot, 6-in. plain, 1,000 in a box.................................................................15¢ 50¢ 3.50
Pot, 10-in. plain, 500 in a box.................................................................25¢ 1.10 8.50
Tree Labels, copper wired, plain.............................................................10¢ 45¢ 3.00

Wire Hanging Baskets
With wire hanger, 8-in. plain, top each.....................................................$0.40
With wire hanger, 10-in. plain, top each...................................................$0.50
With wire hanger, 12-in. plain, top each...................................................$0.60
With wire hanger, 14-in. plain, top each...................................................$0.70

Plant Stakes
Green Bamboo Stakes. For supporting tall plants.
3 ft. long; 12 for 35c; 100 for $1.50; 250 for $3.75
3½ ft. long, 12 for 40c; 100 for $1.35, 250 for $2.75
4 ft. long, 12 for 45c; 100 for $1.00, 250 for $2.00

Dahlias Stakes. 3½ in. x 1 in. x 1 inch, pointed, painted green.
Each 1¢; dozen $1.00; per 100.................................................................$13.50

Bamboo, heavy, dyed green, for dahlias and roses.
¾ inch diam., 4 ft. long, $0.75 per 100
¾ to 1 inch diam., 6 ft. long, $0.85 doz. $6.75 per 100

Raffia—Natural, in skeins weighing from 1½ to 2½ lbs.; excellent for tying up plants, grafts, etc.; in original skeins. Per lb., 30¢; less original skeins, per lb..........................................$0.40

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 ½ bushel. Broadcasts evenly all varieties of grain and grasses. Weight 4 lb.
Price—Each $2.50. If to mail add 25¢ extra for postage.

Garden Tools
Made of heavy pressed steel all in one piece and practically indestructible.
Five Fingerted Weeder—Each 30c.
Transplanting Trowel—Each 60c. Garden Trowel, Each 30c.
Set of Three—One each of above—80c Shipping weight 2 pounds.

Rain King Lawn Sprinkler
—This is one of the best lawn sprinklers on the market today. Throws a fine mist and can be regulated to cover large or small area. Price each $3.75.

2-Purpose Sprinkler
The 2-PURPOSE has been tested and approved by home owners, park superintendents and landscape gardeners, and takes the place of both the ordinary hose nozzle and stationary garden sprays. Weight 1½ lbs. Price $2.10

“Norcross” Cultivator-Hoes and Weeder
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—
5-prong, 4 ft. handle, weight 3 lbs. each..............................................$1.25
3-prong, 4 ft. handle, weight 2 lbs. each..............................................$1.00
4-in. hand, weight 2 lbs. each.................................................................$0.90
“Midget,” 8 inch handle, wt. 12 ounces, each........................................$0.90

No. 907—Garden Hoe (Steel) Each $1.30.
No. 14—Beet Hoe (Steel) Each 85¢.
No. 116—Turf Edger (Steel) Each $1.50.
No. 141—Garden Rake (Steel) Each $1.35.
No. 116—Garden Rake (Steel) Each $1.65.
No. 116—Garden Rake (Steel) Each $1.65.
No. 116—Garden Rake (Steel) Each $1.65.
No. 121—Lawn Rake (Steel) Each 90c.
No. 907—Lawn Rake (Strong) Each 75c.

All Garden Tools are F. O. B. Salt Lake City unless otherwise specified.
HUDSON CULTIVATOR NO. 212

No. 212 may be used as a double wheel hoe plow, or cultivator astride the row during early cultivation, as a single wheel cultivator between the rows later. The angle steel arch is high enough to permit straddling of rows. Two and a half lbs. for each wheel are enough for young, tender plants. Shipping weight 37 lbs. Each $13.50.

Hudson Garden Cultivator No. 228—Single wheel cultivator, light enough for boy or woman, yet sturdy enough for a man. Equipment consists of a pair of hilling plows, pair of surface hoes, four cultivating teeth and a vineguard. Plows, hoes and teeth are of carbon steel. Shanks are malleable and unbreakable. Frame is of high carbon steel, light and rigid. Shipping weight 25 lbs. Price $8.50.

Hudson Garden Plow No. 240

This marvelous little tractor is much more than a mere power unit. Its lightness and flexibility have earned for it the name of "Motorized Wheel Hoe." Among its most important features is its clearance, the simple and complete control of tools, the power turn and the instant change of attachments. Using it will multiply by 4 to 7 the skill and experience of your best and most desirable workers. It not only accomplishes more work for less labor but does it better and more thoroughly. Shipping weight of the bare tractor unit 260 pounds. Price $191.00.

TOOLS FOR BOLEN TRACTOR

Price
Muck Hoes, per pair, 4½ lbs. ............................. $3.45
Hoes, 6" (right and left), pair, 3 lbs. ............................ 2.25
Cultivator teeth (duck foot) ea., ½ lb. ......................... .45
Narrow Cultivator teeth, ea. 1 oz. ............................ .45
7 inch discs, pair, 12 lbs. .................................. 7.50
3 prong cultivator teeth, pair 2½ lbs. ......................... 2.50
Hilling Blades M-5 & N-5, pair, 2½ lbs. ........................ 1.80

HUDBER SEEDER AND SINGLE WHEEL CULTIVATORS

No. 201. This is identical with No. 203, except it is equipped with extra wheel so that either one or two wheels can be used as desired. Shipping weight 56 lbs. Price, Each $20.00.

No. 203 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. Weeding hoes and hilling plow have polished and lacquered surfaces and sharpened cutting edges. Wheel is 16 inches high, with 1½ inch tires. Handles are seasoned hardwood adjustable in height. No. 201 can be built up from this if desired. Weight 56 lbs., Each $19.00.

Hudson Hill and Drill Seeder No. 205—A practical tool which will open its own furrow, sow the seed, close and pack the row, and make the next row all in one operation. Will sow any seed from beans to very fine garden seed in drills or hills four to nine inches apart. Shipping weight 44 pounds. Price $17.00.

Hudson Garden Plow No. 240

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 1½ inch tire, insuring easy running. Shipping weight 21 lbs. Each $5.00.

ATTACHMENTS FOR TRACTOR

Prices, f. o. b. Salt Lake City:

D-101—Instant Hitch cultivator frame with adjustable tool holder bars and tool holders for one and two rows, less tools. Wt. 5 lbs. Price $10.00.

D-101A—Tool holder bar with three tool holders and clamp, less tools for No. 101 cultivator frame—Wt. 5 lbs. Price $12.25.

D-111—Instant Hitch three row cultivator frame complete with tool holders, less tools—Wt. 70 lbs. Price $18.50.

D-120—Instant Hitch Lawn Mower attachment including extra rims for bull wheels, less lawn mower—Wt. 35 lbs. Price $16.50.

Crescrawm Cutting Unit with Timken self-adjusting bearings; less No. 129 lawn mower attachment. Two sizes: 22", Wt. 110 lbs., $34.00; 30" Wt. 110 lbs., $55.00.

D-130—Instant Hitch three row seeder attachment with marker for attaching King or Planter Jr. No. 4 seeders, less seeders—Wt. 50 lbs. Price $14.00.

D-131—Three row seeder consisting of D-130 Instant Hitch seeder attachment and three King Jr. seeders—Wt. 135 lbs. Price $33.00.
**Bullock's 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 $1.40
No. 1 Transplanter, same as above, 14" handle, each $1.10
No. 2 Hoes (Saw Steel Blades), 5" wide, 54" handle, Each $1.10
  5" wide, 18" handle, Each $1.00
  5" wide, 54" handle, Each $1.30
  5" wide, 18" handle, Each $1.20
  5" wide, 54" handle, Each $1.40
  19" wide, 54" handle, Each $1.75
No. 2 Pick Ax—Spring steel.
  Regular pick handle, ea. $1.65
No. 4 Two Point Hoe—
  54" handle, Each $1.25
  18" handle, Each $1.25
No. 3 Rake—Light, spring steel. End sharpened for weeding, back sharpened for scraper. Nothing like it for poultrymen and gardeners. 12 tooth, $1.30; 14 tooth, $1.45; 16 tooth, $1.60; 18 tooth, $1.75.
No. 6 Potato and Cultivator Hoe
  54" handle $1.50
No. 7 Pick Ax (See Cut)—Spring steel regular pick handle.
  Each $1.75
No. 8 Comb Hoe and Rake
  54" handle $1.50

**BULLOCK CULTIVATORS**

No. 4 Cultivator—Same style as No. 5 (see cut, 8" wide with two wheels, plow, weed cutter and cultivator teeth. Cuts 8" deep. Does not straddle rows. Each $8.75.
No. 5—Same as No. 4 without top bracket, therefore not reversible. Will straddle rows by removing center wheel. Each $7.75.
No. 2—Same as No. 4 without top bracket, therefore not reversible. Equipped with cultivator teeth or weeder at your option. Does not straddle the rows. Each $6.50.
No. 1—A one-wheel tool, not reversible, weighs only eight pounds, is 8" wide and cuts 5" deep. Just the thing for the city gardener or work among shrubs and flowers, whether in rows or not. Each $4.50.

**VILLAGE BLACKSMITH**
Hand forged superior garden tools, pruning shears, etc. Made to last a "lifetime."

Dandelion Digger No. 219—Forged from best material. Each 90c; postpaid, 95c.

Spading Fork No. A-30—No home gardener should be without this handy tool. Each 70c; postpaid, 80c.

Lawn Sprinkler No. 19—Very efficient and sure to give service. Each 90c; postpaid, $1.00.

Grass Sickle No. 3—Evenly tempered, keen edged. Just the right tool for long grass and weeds. Ea., 75c; postpaid 80c.

Pruning Shears No. 12—A good low priced shear. Each $1.25; postpaid $1.35.

**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; coldframes and hotbeds ash; greenhouse sides, fronts and partitions; garage, barn and cellar doors and windows; storm doors, sun porches, children's playhouses and many other uses around the home.

To use CEL-O-GLASS, simply cut it to size with an ordinary pair of shears and hammer it in place with a few tacks. Put up in rolls 3 feet wide up to 100 feet long. Price—60¢ per running foot.

**SAVO" SELF-WATERING FLOWER BOXES**
Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum.

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>8 in.</td>
<td>8 in.</td>
<td>$3.75</td>
</tr>
<tr>
<td>B</td>
<td>8 ½ in.</td>
<td>29 in.</td>
<td>5.00</td>
</tr>
<tr>
<td>C</td>
<td>9 ¼ in.</td>
<td>35 in.</td>
<td>5.75</td>
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<tr>
<td>D</td>
<td>12 in.</td>
<td>12 in.</td>
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<td>E</td>
<td>12 in.</td>
<td>12 in.</td>
<td>4.25</td>
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</tbody>
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PORTER-WALTON CO., SALT LAKE CITY, UTAH
Useful Information On Shrubs, Vines and Trees

*Bloom Period and
Common Name

APRIL—

Flowering Almond
Golden Bell
Japanese Barberry
Spirea, Thunbergii
Mock Orange (Syringa)
Snowball
Lilac, White and Purple
Syrina Van Houttei
Flowering Currant
Siberian Pea Tree
Flowering Plum

Color
White, Pink
Yellow
Red
White
White
Yellow, White
White and Purple
White
Red or Yellow
Yellow
Pink

Character
Double
Single
Single
Foliage
Double
Single
Spherical
Single
Double
Single

Height
3 to 5 ft.
5 to 8 ft.
4 to 5 ft.
2 to 3 ft.
3 to 6 ft.
5 to 10 ft.
3 to 8 ft.
4 to 8 ft.
4 to 6 ft.
3 to 6 ft.
8 to 12 ft.

Habit
Spreading
Weeping
Dense
Dense
Bushy

MAY—

Junipers
Indian Currants

JUNE—

Weigelia
Lilac
Golden Elder
Bush Honeysuckle
Deutzia

July—

Butterfly Bush (Buddleia)
Weigelia
Snowberry
Coralberry
Tamarix-Amurensis

August—

Tamarix Amurensis
Althea (Rose of Sharon)
Hydrangea

September—

High Bush Cranberry
Privet

SHRUBS HAVING ATTRACTIVE BERRIES

Japanese Barberry
Coral Berry
Elders
Bush Honeysuckle

SHRUBS FOR SHADY PLACES

Japanese Barberry
Deutzias
Dogwoods

Indian Currant
Privet
Snowberry

SHRUBS FOR WET PLACES

Dogwoods
Elders

Tamarix

SHRUBS FOR HEDGES

Altheas
Buddleia
Bush Honeysuckle
Hydrangea Grandiflora
Japan Barberry

Classification of Ornamental Trees

TREES SUITABLE FOR STREET AND AVENUE PLANTING

Ash—Both American and European
Canada—Speciosa
elm—American, English
Linden—American, European Horse Chestnut

Maple—Ash Leaved Box Elder
Norway, Silver, Sugar, Syce
Oriental Plane
Poplar—Carolina, Bolleina
Sycamore—American

TREES WITH COLORED FOLIAGE

Maple Schwederii—(Purplish foliage.)
Frans Pizzardi—(Flowering bloom, purple.)
Poplar Bolleana—Silver underneath leaves.

FLOWERING TREES

Horse Chestnut
Flowering Crab
Flowering Plums

TREES FOR LAWN OR YARD

Catalpa Bungei
Cut-Leafed Birch
Camperdown Weeping Elm

EVERGREEN TREES

Arbor Vitae
Box Woods
Junipers

HARDY CLIMBERS FOR SPECIAL SITUATIONS

Climbers for Shady Places—
Celastrus Bittersweet, Apos Tuberosa, Hop Vine, Honeysuckle, English Ivy.

Climbers for Hot Sunny Situations and Southern Aspect—
Bignonia, Celastrus, Clematis, Paniculata, Honeysuckle, Roses.

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

Climbers for Eastern or Western Aspects—Ampelopsis Engelmanni, Cinnamon Vine, Matronity Vine, Climbing Rose.

TABLE OF DISTANCES FOR PLANTING FRUIT TREES, ETC.

Apples, Standard, 30 to 40 ft. each way
Apricots, 16 to 18 ft. each way.
Plums, 18 to 20 ft. each way.
Apricots, 16 to 18 ft. each way.

Pears, Standard, 20 to 25 ft. each way.
Quinces, 12 ft. each way.
Gooseberries, 3 to 4 ft. each way.
Raspberries, 3 to 4 ft. each way.

Plums, 18 to 20 ft. each way.

Blackberries, 6 to 8 ft. each way.
Grapes, 8 to 10 ft. each way.
EVERY SEED A STURDY PLANT