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JUL 28 1924

Porter-Walton's 1924

Seed & Nursery Book

Salt Lake City, Utah

Giant Flowered Zinnias
(See Page 40)

P-W's Mountain Grown Seeds and Trees Are Hardier

The Prices in This Catalog Cancel All Previous Prices

Important General Information

That you may receive the full benefit of the prompt, efficient service our facilities enable us to give, please observe the following in making your order:

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—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. Give full shipping instructions in every order sent, and write address legibly.

Money should always accompany your order. You may remit at our risk, either by express order, bank draft, post office order or registered letter. We accept 2-cent postage stamps the same as cash.

Goods wanted C. O. D. must have 25 per cent of the amount accompany the order.

Every order is filled within a day or two after arrival, or is acknowledged if, under rare circumstances, its shipment is likely to be delayed. If goods, notification of shipment, or acknowledgment of order is not received by you after a reasonable lapse of time please notify us at once and send copy of order.

Order early. Nursery stocks of a number of varieties are very limited and the demand will be exceptionally heavy. Good help to properly care for the extra rush at planting time is hard to obtain. **Orders for delivery at later date** can be booked only providing at least one-fourth of the purchase price accompanies the order. You will do yourself and us a good turn to **order early**.

Patrons in signing orders are requested to use prefix, Mr., Mrs. or Miss. Married ladies should invariably use husband's initials.

About Guarantees—We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.:—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, nursery stock, roots or plants sent out and will not be in any way responsible for the crop. If the purchaser does not **accept** the goods on these terms they are to be returned at once.—Porter-Walton Co.

Free and safe delivery guaranteed on prices quoted in this catalog, except where otherwise noted. **Trees and seeds in quantity, poultry supplies, etc.**, quoted at "Not Prepaid" prices are F. O. B. Salt Lake City, and purchasers pay expense or freight, express or parcel post. If wanted by parcel post, always send postage with the order. See the table below to ascertain the amount or charges.

Parcel Post Rules, Etc.

The Maximum Weight allowable in local and to the First and Second zones is 70 pounds, and to all other zones is 50 pounds.

The Size of the Parcel must not exceed feet (84 inches) or combined length and girth.

Insurance on Parcel Post Packages against loss may now be effected by us for value up to \$25.00 for 5 cents and up to \$50.00 for 10 cents if customer so requests and remits for same.

We strongly advise customers living in towns removed from the railway to have insurance placed on all orders.

PARCEL POST RATES	First lb.	Each Additional lb.
First Zone, within 50 miles.....	5c	1c
Second Zone, within 50 to 150 miles.....	5c	1c
Third Zone, within 150 to 300 miles.....	6c	2c
Fourth Zone, within 300 to 600 miles.....	7c	4c
Fifth Zone, within 600 to 1,000 miles.....	8c	6c
Sixth Zone, within 1,000 to 1,400 miles.....	9c	8c
Seventh Zone, within 1,400 to 1,800 miles.....	11c	10c
Eighth Zone, all over 1,800 miles.....	12c	12c

Important: In remitting postage, always add it to the foot of the order as a separate item; this will help to avoid mistakes

This Is What Talks 19 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 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 seeds, and nursery stock, the important beginning of all success in horticulture

About Prices

All the prices listed herein are prepaid by us to your express or post-office, unless otherwise specified. 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. To all who buy in larger lots than those listed here, please ask for our Special "BLUE LIST" for prices. It costs us less accordingly to handle large orders and you are entitled to the saving.

All Together for The Best Garden Ever

O OUR CUSTOMERS: Though we sell you all of your requirements, and your garden is not an unqualified success we shall have failed in our purpose, in sending you this book.

What concerns us more than all is the final outcome of your garden as we know after all that will be the basis upon which we are judged.

That you are not buying just seeds we are fully aware, you visualize a garden filled with appetizing Radishes, crisp Salads, tender Sugar Corn, juicy melting Peas, Melons as sweet as honey—and perhaps still more vividly in that mental picture are those charming Beds and Borders of Fragrant Flowers in gorgeous array of color and beauty.

Of course we can't supply the finished products but we do furnish first grade, critically grown, thoroughbred Seeds and Plants which are the very essential foundation of a successful Garden. In addition we have endeavored to crowd into this booklet cultural facts which we hope will be helpful. Any additional information desired will be cheerfully given.

New Awakening In Ornamental Gardening

BOTH Private and Public Ornamental Gardening have come into their own. Home owners, Civic Improvement Clubs, Town and City Officials everywhere through the country are vying with one another in making their particular Home or Town the most beautiful spot in America. A most commendable rivalry to be sure, as it develops a source of beauty that everyone shares and encourages a fascinating and health giving hobby within the reach of every Home Owner or Tenant in the Country.

Enlarged Flower Seed Section in Colors

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 Dep't.
Corner Richards St. and First South St.
Seed Farm, Nurseries and Trial Grounds
Centerville, Utah.

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GARDEN SEEDS IN BULK

Condensed Quantity Prices for Large Buyers and Market Gardeners.

Heretofore it has been our custom to issue a "Blue List" for Planters using Seed in larger amounts than usually priced in our regular catalog and a notation was made on cover page to write for this list. Since going to press with the cover we have decided that it would be more convenient for all concerned to make a condensed quantity Price List and print it on this page. These prices will be adhered to during the season as long as our stocks last. The varieties most commonly used by market Gardeners are listed below. Should prices be desired on others not found here, we shall be pleased to quote promptly upon request. See pages following for detailed descriptions and more complete list.

BEANS—Dwarf			CARROTS			SPINACH		
	10 lbs.	100 lbs.		2 lbs.	10 lbs.		2 lbs.	10 lbs.
Giant Stringless	\$2.00	\$18.00	Oxheart or Gueranda	\$1.70	\$7.50	Bloomsdale Savoy	\$.70	\$2.50
Stringless Green Pod	2.00	18.00	Ey. Scarlet Horn	2.00	9.00	King Denmark	1.00	4.00
Fordhook Favorite Stringless	2.50	22.00	Chantenay or Model	1.70	7.50	Long Standing	.70	2.50
Longfellow	2.00	18.00	Danvers Half Long	1.70	7.50			
P.-W. Early Red Valentine	2.00	18.00	Nantes	1.70	7.50			
Round Yellow Six Weeks	2.00	18.00	Short White	1.40	6.00			
Challenge Black Wax	2.50	22.00						
Davis White K. Wax	2.25	19.00	CELERY					
Imp. Golden Wax	2.00	18.00	P.-W.'s Golden Crisp		1 lb. \$9.00	Yellow Summer Crookneck	\$2.00	\$9.00
New Pencil Pod Wax	2.00	18.00	Golden Self Blanch-			White Bush	2.00	9.00
Warwell's Kidney Wax	2.25	19.00	ing—French		7.00	Hubbard	2.20	10.00
Broad Windsor	2.50	22.00	Golden Self Blanch-			Pike's Peak	1.25	11.00
Burpee's Bush Lima	2.50	22.00	ing—American		3.50	Cocozella Italian	1.25	11.00
Henderson Bush Lima	2.25	20.00	Giant Pascal		2.00	Banana Squash	1.75	16.50
			White Plume		2.00			
BEANS—Pole			LETTUCE			TOMATOES		
	10 lbs.	100 lbs.		2 lbs.	10 lbs.		1 lb.	
Kentucky Wonder	\$2.25	\$20.00	New York or Wonderful	\$4.00	\$19.00	John Baer	\$3.25	
Lazy Wife	2.25	20.00	Hanson	2.00	9.00	Earliana	3.50	
Tall Horticultural	2.50	22.00	May King	2.00	9.00	Chalk's Early Jewel	2.75	
Scarlet Runner	2.50	22.00	Black Seeded Simpson	2.00	9.00	San Jose Canner	3.50	
SWEET CORN			MUSKMELON			New Stone	3.00	
	10 lbs.	100 lbs.		2 lbs.	10 lbs.	Landreth Red Rock	3.00	
Golden Bantam	\$1.80	\$16.00				Greater Baltimore	3.50	
Bantam Evergreen	1.80	16.00	Pollocks 10-25 Salmon Tint	\$2.50	\$11.50			
Early Mayflower	2.00	18.00	Rocky Ford Cantaloupe	2.00	9.00			
Country Gentleman	2.00	18.00	Burrell's Gem	2.20	10.00			
Stowell's Evergreen	1.80	16.00	Cassaba Imp. Hybrid	3.20	15.00			
Howling Mob	2.00	18.00	Honey Dew	3.00	14.00			
Davis Co. Excelsior	1.80	16.00						
Mammoth White Cory	1.80	16.00	WATERMELON					
Early Minnesota	1.75	15.50						
Early Crosby	1.75	15.50	Kleckley Sweet	2 lbs. \$2.00	10 lbs. \$9.00			
PEAS			Tom Watson	1.70	7.50			
	10 lbs.	100 lbs.	Excel	2.00	9.00			
Early Alaska	\$1.75	\$16.00	Cannon Ball	1.50	6.50			
Gradus	2.00	18.00	Cuban Queen	1.60	7.00			
Little Marvel	2.00	18.00	Phinney's Early	1.60	7.00			
Laxtonian	2.50	22.50	Winter	3.50	16.50			
American Wonder	2.00	18.00						
Dwarf Telephone	2.25	20.00						
Telephone	2.25	20.00						
ONION SETS								
	10 lbs.	100 lbs.						
Yellow, Red and Brown	\$1.50	Write for						
White Varieties	1.70	Prices						
ASPARAGUS								
	2 lbs.	10 lbs.						
Early Giant Argenteuil	\$1.70	\$7.50						
Palmetto	1.50	6.50						
Conovers Colossal	1.50	6.50						
BEETS—For Stock Feeding								
	2 lbs.	10 lbs.						
Giant Half-Sugar	\$.90	\$3.50						
Giant Sludstrup	.90	3.50						
Golden Tankard	.90	3.50						
Mammoth Long Red	.90	3.50						
Klein Wanzleben Sugar	.80	3.00						
BEETS—For Table Use								
	2 lbs.	10 lbs.						
Detroit-Dark Red	\$2.00	\$9.00						
Extra Early Egyptian	1.60	7.00						
Crosby's Egyptian	2.00	9.00						
Crimson Globe	1.50	8.00						
Imp. Blood Turnip	1.60	7.00						
CABBAGE								
	1 lb.							
Baby Head	\$7.00							
Early Jersey Wakefield	2.25							
Early Winningsstadt	2.00							
All Season	2.00							
Flat Dutch	1.80							
Copenhagen Market-Danish	2.50							
Danish Round Head	2.25							
CUCUMBER								
	2 lbs.	10 lbs.						
Klondike	\$2.50	\$11.50						
Imp. Long Green	2.00	9.00						
Early Fortune	2.50	11.50						
Davis Perfect	2.00	9.00						

Five pounds and over at 10 lb. rate; 25 lbs. and over at 100 lb. rates. Prices on this page do not include delivery charges; if wanted by mail add postage.

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 food elements 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 vegetables.

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.
BEEF JUICE contains small amount of water soluble B and C.
BEEF 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.

February 1-15 (in house or hotbed):
Cabbage — Cauliflower — Celery —
Kohl-Rabi — Lettuce — Parsley —
Radish.

February 15-28 (in house or hotbed):
Cabbage — Cauliflower — Celery —
Kohl-Rabi — Lettuce — Parsley —
Radish.

March 1-15 (in house or hotbed):
Cucumber — Egg Plant — Muskmelon —
Pepper — Tomato. (In the cold-
frame): Beet — Cabbage — Carrot —
Cauliflower — Celery — Kohl-Rabi —
Lettuce — Parsley — Radish.

March 15-30 (in house or hotbed):
Cucumber — Egg Plant — Muskmelon —
Pepper — Tomato.

April 1-15 (in the open ground):
Asparagus — Asparagus Roots — Beet —
Broccoli — Brussels Sprouts — Carrot —
Celery — Celery — Celery — Chicory —
Corn Salad — Cress — Endive —
Kale — Kohl-Rabi — Leek — Lettuce —
Mustard — Onion — Onion Sets —
Parsley — Parsnip — Early Peas —
Chinese Cabbage — Rhubarb Roots —
Radish — Salsify — Sorrel — Spinach —
Swiss Chard — Turnip.

April 15-30: Asparagus — Bush Snap
Bean — Beet — Brussels Sprouts —
Cabbage — Carrot — Cauliflower —
Celery — Celery — Sweet Corn — Pop
Corn — Cress — Endive — Kale —
Kohl-Rabi — Leek — Lettuce — Musk-
melon — Mustard — Onion — Parsley —
Parsnip — Peas — Potatoes —
Radish — Salsify — Sorrel — Squash —
Swiss Chard — Tomatoes.

May 1-15: Asparagus — Bush Bean —
Pole Bean — Lima Bean — Beet —
Brussels Sprouts — Cabbage — Carrot —
Cauliflower — Celery — Celery —
Chicory — Sweet Corn — Pop Corn —
Cucumber — Endive — Kale — Kohl-
Rabi — Leek — Lettuce — Muskmelon —
Watermelon — Onion — Parsley —
Parsnip — Peas — Potatoes — Pump-
kin — Summer Radish — Salsify —
Squash — Swiss Chard — Tomato.

May 15-30: Bush Bean — Pole Bean —
Lima Bean — Beet — Brussels
Sprouts — Cabbage — Carrot — Cau-
liflower — Celery — Celery — Wit-
loof-Chicory — Sweet Corn — Pop Corn —
Cucumber — Endive — Kale —

Kohl-Rabi — Muskmelon — Parsley —
Potatoes — Pumpkin — Squash —
Summer Radish — Swiss Chard.

June 1-15: Lima Bean — Beet —
Brussels Sprouts — Cabbage — Carrot —
Cauliflower — Sweet Corn — Pop
Corn — Cucumber — Endive — Kale —
Kohl-Rabi — Parsley — Potatoes —
Summer Radish.

June 15-30: Beet — Carrot — Sweet
Corn — Pop Corn — Cress — Cucum-
ber — Endive — Kale — Kohl-Rabi —
Potatoes — Summer Radish — Winter
Radish — Rutabaga — Turnip.

July 1-15: Bush Bean — Beet —
Kale — Kohl-Rabi — Lettuce — Mus-
tard — Summer Radish — Rutabaga —
Turnip.

July 15-30: Bush Bean — Chinese
Cabbage — Kale — Mustard — Sum-
mer Radish — Spinach — Turnip.

August 1-15: Chinese Cabbage —
Kale — Mustard — Summer Radish —
Spinach — Turnip.

August 15-30: Radish — Spinach.
September and October: Asparagus
Roots — Rhubarb Roots — Onion Sets —
Corn Salad — Spinach.

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

Bean	5 to 10 days	Corn	5 to 8 days	Parsnip	10 to 20 days
Beet	7 to 10 days	Cucumber	6 to 10 days	Pepper	9 to 14 days
Cabbage	5 to 10 days	Endive	5 to 10 days	Radish	3 to 6 days
Carrot	12 to 18 days	Lettuce	6 to 8 days	Salsify	7 to 12 days
Cauliflower	5 to 10 days	Onion	7 to 10 days	Tomato	6 to 12 days
Celery	10 to 20 days	Pea	6 to 10 days	Turnip	4 to 8 days

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. It makes large, thick, wide, tender shoots of very greenish-white color, and we recommend it as the best variety for general cultivation that has come under our observation.

Barr Mammoth—Large and tender.

Columbian Mammoth White—Large, white.

Palmetto—Light green.

Any of above, Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00. 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., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Asparagus Roots—Strong one year old roots of any of the varieties listed 35c per doz; \$1.75 per 100, postpaid. Not prepaid \$1.50 per 100; \$10.00 per 1000.

Two year old roots 60c per doz; \$3.00 per 100, postpaid. Not prepaid \$2.50 per 100; \$15.00 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, buds large, globular, deep green, with a slight tint of purple at base. Pkt., 10c; oz., 75c, ¼ lb., \$2.15; 1 lb., \$7.50.

Jerusalem (Tuberous Rooted)—

For hog pasture. When once established it is hard to kill out. Lb., 20c; 10 lb., \$1.50, postpaid. Not prepaid, 100 lb., \$7.50.

Conover's Colossal

BEEETS

One Ounce 50 Feet; 4/6 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 one 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. 5c; oz., 15c., ¼ lb., 40c., 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, blades green; roots globular or ovoid, peculiarly 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., 5c; oz., 15c; ¼ lb., 40c; 1 lb. \$1.25 postpaid.

New Crimson Globe—A perfect beet in all respects; brilliant crimson in color, globe-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., 5c; oz., 10c; ¼ lb., 35c; 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, exceedingly sweet.

Half Long Blood—Rich, glossy crimson.

Early Model—Globe-shaped, early, deep blood red.

Any of the above, except where noted, Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

Detroit Dark Red

Remember Our Prices are based on delivery to your Express or Post Office. You do not have to bother about transportation charges. **WE ARE THEREFORE JUST AS NEAR TO YOU AS YOUR POST OFFICE.** All charges are Prepaid and Safe Delivery Guaranteed.

BEETS FOR STOCK FEEDING

The tremendous importance of stock beets to every stock and dairy farmer in America should be shouted from the housetops. The farmer who is not awake to the money making possibilities of this crop has overlooked one of the most profitable crops known to agriculture. Just think of it: A yield of from 20 to 60 tons per acre and the feeding value, pound for pound, almost equal to grain; 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 Sludstrup. 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 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 beet, 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 mammoth, 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, uniformly straight and well formed; color, deep red; roots straight, tops small.

Any of the above, Pkt., 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; 10 lb., \$5.00. See page 2 for special prices on quantities.

Danish Red Giant Eckendorf—Of cylindrical form, growing above the surface; heavy cropper.

Danish Taaroje—Ovoid shape, reddish yellow. Grows more above the surface than P.-W.'s Giant Sludstrup. Preferred for very heavy soil.

Golden Tankard—Flesh yellow, differing from others; sheep prefer it; a heavy yielder.

Royal Giant or Half-Sugar Rose—Similar to the Giant Sugar, except color of skin.

Yellow Globe—Large, globular roots, good keeper, adapted for shallow soils.

Gate Post—Large yellow mangel, flesh white.

Price of any of above Pkt. 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; 10 lb., \$5.00.

See Page 2 for Prices on Quantities

Sugar Beets

Usually planted for sugar making. On account of the amount of saccharine contained in the Sugar Beet, it is much relished by stock, and as a fattener it is very desirable, but does not yield the tonnage that is common with the regular Mangel Wurtzels and the Half-Sugar Stock Beets. Culture same as stock beets.

Klein Wenzleben—This variety is the best in cultivation, not largest, but richest in saccharine.

Vilmorin's Improved—A little smaller than Klein Wenzleben. A variety for sugar factories.

Lane's Improved Sugar—A well-known variety, valuable for feeding.

Giant Half-Sugar Mangel

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.

Sow and treat the same as cabbage, which see for cultural directions.

Odense Market—Produces an abundant crop of firm, well formed sprouts, thickly set around.
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00 postpaid.

Chicory

Sow seed 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., 5c; oz., 20; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00, postpaid.

Collards

Sow seeds as early in the spring as the moderately rich soil, in drills, two or three ground can be prepared in a rather light, moderately rich soil, in drills two or two and one-half feet 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; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00, postpaid.

Corn Salad

Sow in spring in drills a foot; 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; $\frac{1}{4}$ lb., 70c, Postpaid.

You might buy seeds the equal of ours from other equally painstaking seedmen, but we have gone to a big expense to make sure that you can get none better anywhere than P.-W.'s MOUNTAIN GROWN SEEDS AND TREES. Let us prove that they really "are more vigorous."

Odense Market

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 cultural 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.

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

Green Pod

Longfellow. An extra early, round, green-podded bush bean of fine quality. Long, round, green pods 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.

Fordhook Favorite—A white-seeded Stringless Green-Pod. The bushes grow 18 to 20 inches high. They are vigorous and quite resistant to disease and attacks from insects. The handsome plants are most wonderfully prolific and bear the heavy crop of fine pods continuously if the pods are picked as soon as they attain a fair size. The pods measure 5½ to 6½ inches in length. They are ½ inch wide and ½ inch thick—so full and fleshy that they are practically round. They are brittle, juicy and entirely stringless at all stages of growth. The ripe seeds are pure white without any markings and can be used for dried beans in the winter.

Price—Any of Above varieties, Pkt. 10c; ½ lb., 20c; lb., 35c; 3 lbs., \$1.00, postpaid.

Wax Podded 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, deeply 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 productive yielder.

Price—Any of above varieties, Pkt. 10c; ½ lb. 20c; lb. 35c; 3 lbs. \$1.00, postpaid.

Burpee's Brittle Wax—Pods about 7 inches long. Slightly curved, very round fleshy stringless and tender.

Davis' White Kidney Wax—Hardy, productive, desirable where white-seeded midseason sort is wanted.

Improved Rust-Proof Golden Wax—Early, productive; pods are long, nearly straight, broad, flat, very fleshy; good snap bean.

Wardwell's Kidney Wax—Long, flat pods, stringless and brittle; heavy cropper.

Longfellow Bush Bean

Giant Stringless—Pods about 6 inches in length, curved, dark green, brittle and stringless. Very heavy bearer midseason.

Burpee's Stringless Green Pod—Excellent early variety. Unexcelled for canning. A standard everywhere.

Dwarf Horticultural—Late and very productive. Good shell bean.

Early Red Valentine—Early, tender, heavy yielder.

Round Yellow Six Weeks—Brittle and tender.

Black Valentine—Pods long, straight, heavy yielder; rustproof.

Refugee or One Thousand to One—Pods about five inches long, round curved, light green slightly stringy. Used extensively for canning.

Stringless Green Pod

THESE BOOKLETS FREE TO OUR CUSTOMERS

Where Orders Amount to \$5.00; or Choice of Either One on Orders Over \$3.00

"Your Flower Garden"

Just what you want to know about Flowers, Bulbs and Roses.

"Making the Garden Pay"

Helpful hints and cultural notes on the Home Vegetable Garden.

Ask for them 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 overrun poles, to get more perfect growth below. One pound will plant about 75 to 100 hills.

Kentucky Wonder or Homestead—The pods are very thick, meaty and deeply saddle-backed and entirely stringless. Bright yellow in color. The best variety of this class for all purposes. Pkt. 10c; ½ lb. 20c; lb. 35c; Postpaid.

Lazy Wife—Pods medium dark green color, grown in abundance; measures from 4½ to 6 inches in length, broad, thick, fleshy and entirely stringless. Make excellent shell beans. Pkt. 10c; ½ lb. 20c; 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; ½ 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; ½ lb. 30c; lb. 55c; 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 the vines require no support; the beans are fully equal in quality and yield, maturing much earlier; a very decided advantage, especially for the States. Plant the seed, if possible, in rich, light soil after all danger 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 1½ 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 without runners and continue to grow and set pods until killed by frost in the fall. Pkt. 10c; ½ 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 home garden or for market. This variety is decidedly best for all purposes of the Large Limas. Pkt. 10c; ½ 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 about 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 sort and soil 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; lb. 20c; Postpaid.

Mexican Pinto—Decidedly rich in food value; extra heavy cropper. Pkt. 10c; lb. 20c; Postpaid.

Pink Eye—Large winter shell bean; white with pink spot at center. Pkt. 10c; lb. 20c; Postpaid.

White Navy—The well known small white Boston baking bean. Pkt. 10c; lb. 20c; Postpaid.

English or Broad Windsor—Immense size; known as the horse bean. Pkt. 10c; lb., 25c; postpaid.

Inoculate Beans With Farm-
ogerm—See Page 63.

Kentucky Wonder (Old Homestead)

Market Gardeners and Large Buyers
See Page 2 For Quantity Prices on
All Varieties of Beans

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;

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; ¼ lb., \$1.75, Postpaid

Burpee's Bush Lima

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 good condition an easier and equally successful method is to sow the seed in hills or with a regular garden drill in the open ground using about one pound of seed per acre; when plants are 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 louse or aphids, Black Leaf 40 is effective.

Vitamines in Cabbage Increase Consumption—Recent investigations have shown cabbage to be rich in vitamins and as a result of a national campaign to promote the eating of cabbage, cabbage sales are increasing by leaps and bounds. It has been proven that cabbage is a great aid to digestion and people are demanding cabbage as never before.

P-W's Baby Head

P-W's Baby Head—This is a 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. 20c; 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 extra early pointed headed cabbage, either for home or market. Pkt. 10c; oz., 30c; ¼ lb., \$1.00.

OTHER GOOD VARIETIES

Fall and Winter Varieties—

Danish Round Head—Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

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

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

Marvin's Savoy, 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., 15c; oz., 40c 2 oz., 70c; ¼ lb., \$1.25.

P-W's Early Jersey Wakefield

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—

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

Enkhuizen Glory—Pkt., 15c; oz., 30c; ¼ lb., 75c.

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.

Copenhagen Market

Danish Ball Head (or Hollander)

(P-W's Short Stemmed Strain)—This selected stock is the most popular of all late varieties for winter use. Genuine seed grown on Amager Island, Denmark. Many trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. It is sure to head, being round, hard and extremely heavy, though not extra large. It can be grown in close quarters on account of its compact habit, and as to its keeping qualities, it comes out of the pit in March or April as fresh as when put in, with absolutely no waste. No cabbage has attained to so great a popularity as the true strain of P-W's Short Stemmed Danish Ball Head, without doubt the leading fall and winter cabbage. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

No one can afford to risk seed of doubtful origin and quality when the prices of high grade Tested Stocks are so reasonable. By means of our Trial Ground we select only the best.

Cabbage Plants

Strong, vigorous, well hardened transplanted plants of P-W's Early Jersey Wakefield, P-W's Baby Head, Danish Ball Head, Short-stemmed and Copenhagen Market are ready in April and May. Price 25c per doz; \$1.50 per 100, Postpaid. Not postpaid 90c per 100; \$6.00 per 1000. Ask for quantity prices on field grown not transplanted plants for May and June delivery.

P-W's Short-Stemmed Ball Head

P.-W.'s Perfection Cauliflower (Note uniformity of size)

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 heading characteristics are remarkable and superior to any other strain that has come under our observation. It produces beautiful snow-white, compact, solid heads uniformly of good size and excellent quality.

Pkt., 10c; ¼ oz., 80c; oz., \$2.50 ¼ lb., \$8.00.

Erfurt Earliest Dwarf—Very dwarf in habit, producing pure white heads, desirable forcing. Pkt., 10c; ¼ oz., 60c; oz., \$2.00; ¼ lb., \$7.00.

P.-W.'s Danish Giant (Dry Weather Cauliflower)—Heads are pure white and of fine quality, will stand dry or warm weather and still produce large, solid heads. In some climates where it has been impossible to grow good cauliflower this variety has proven a success. Pkt., 10c; ¼ oz., 60c; oz., \$2.00; ¼ lb., \$7.00.

Early Snowball—The well known stand by which has been so long a favorite of home and market gardeners. It is just as good as ever. Our stock comes from the world's best cauliflower specialists and is equal to any on the market. Pkt., 10c; ¼ oz., 60c; oz., \$2.00; ¼ lb., \$7.00.

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, \$1.50 per 100 Postpaid. Not prepaid \$1.00 per 100; \$6.50 per 1000.

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

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 150 feet of row, 4-6 lbs. per acre.

P.-W.'s Chantenay (The Market Gardener's Favorite)—Tops medium sized, necks small, roots tapering slightly, but uniformly stumpy-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; ¼ 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; ¼ lb., 35c; lb., \$1.00.

St. Valery—Much longer than Danvers Half-long, reddish orange color. Makes an ex-

cellent table carrot, and its heavy yields renders it valuable for field use. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

Early French Forcing—A small globular-shaped reddish orange variety. Very desirable for early garden culture or forcing. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.35.

Early Scarlet Horn. Deep red flesh, tender and delicate. Pkt., 5c; oz., 15c; ¼ 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; ¼ lb., 35c; 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; ¼ lb., 30c; lb., \$1.00.

Stock Carrots

Sow in drills far enough apart for horse cultivator and thin out in row to 5 to 6 inches. Requires about three pounds of seed per acre.

Improved Long Orange—A well-known standard sort, roots long, thickest near the crown, tapering regularly to a point; color deep orange. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

Mastodon—Very productive large white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

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.

Yellow Belgium—Heavy Cropping large Yellow. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Improved Short White—This is the best and most productive for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

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

P.-W.'s Chantenay

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 5,000 to 10,000 plants.

P.-W.'s 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 blanches to a beautiful, creamy white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Once sown, always grown. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.00.

Golden Self Blanching. Of quick growth, easy self-blanching character, combined with handsome appearance and crisp, sweet flavor. French grown seed. Pkt., 10c; oz., 75c; ¼ lb., \$2.50. American Grown — Pkt., 10c; oz., 40c; ¼ lb., \$1.15.

Giant Pascal—Large, thick, solid, round stalks.

Dwarf Golden Heart — Large heart, golden yellow.

Perfection Heartwell — Stalks are long and thick, very compact, crisp.

White Plums—But little earthing up to blanch.

Winter Queen—Light green stalks, very solid, tender and crisp; blanches perfectly.

Any of the above, Pkt. 5c; oz., 25c; ¼ lb., 80c.

Celeriac—(Turnip Rooted Celery) Large Smooth Prague—An improved turnip-rooted celery. Roots large, round and smooth, free from side roots. Pkt., 5c; oz., 25c; ¼ lb., 70c.

Celery Plants—Ready May to July Golden Crisp, Golden Self Blanching and Winter Queen—Strong Transplanted plants 25c per doz.; \$1.50 per 100 Postpaid. Not prepaid Doz., 20c; \$1.00 per 100; \$6.50 per 1000.

Poor Seeds are Dear at Any Price.

ENDIVE

A salad vegetable which is becoming very valuable for winter use. Should be sown in June or July, in rows, and thinned to about six inches apart. One ounce 300 feet, 4 to 5 pounds per acre.

Broad Leaved Batavian—Broad, more or less twisted and waved green leaves with thick white mid-ribs. Unsurpassed for salads. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.65

Green Curled—Very curly. The mid-rib being wide and whitish, with the outer edges very much indented and curled, forming a very attractive plant. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

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 field. Egg Plant does not do as well as where cool nights prevail, as in places where nights are warm. It needs a warm climate to insure quick and uninterrupted growth. 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 attractive, rich, lustrous, purplish-black. Intensely brilliant coloring is uniform over the while fruit. Pkt. 5c; oz. 60c; 2 oz. \$1.10; ¼ lb., \$2.00; lb. \$6.00.

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; 60c 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.

Dwarfed 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 oz., 40c; lb., \$1.25.

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., 40c; lb., \$1.35.

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

See Page 2 for Quantity Price.

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.

Early Mayflower

Golden Bantam. Very early, deliciously sweet, finest quality; ears small, golden yellow; very productive. Pkt. 10c; 1 lb., 30c; 3 lb., 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 "milk" 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, cob small and densely covered with long, slender white grains without row formation. Deliciously sweet and tender. Pkt., 10c; 1 lb., 30c; 3 lb., 80c.

Early Mayflower—A splendid extra early white sweet-corn; is earlier than Mam. White Cory and apparently less apt to worm. Ears are pure white, sugary and larger than most other extra early varieties. Should become one of the leading market gardener sorts. Pkt., 10c; 1 lb., 40c; 3 lb., \$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; 1 lb., 30c; 3 lb., 80c.

Any of above, Price Pkt., 10c; 1 lb., 30c; 3 lb., 80c, Postpaid.

Pop Corn

Same cultural directions as Sweet Corn.

White Pearl—Large, smooth white grains.

White Rice—The best of home or market. Ears short, grains pointed, resembling rice. Sometimes called "Squirrel Tooth." None superior.

Any of above: Pkt., 10c; 1 lb., 25c, Postpaid.

P.-W.'s Golden Rod

Other Good Sorts

Crosby's Early—An old standard second-early variety of medium size and good quality.

Davis County Excelsior—Ears large, cobs small, and grains almost white. A heavy yielder. Very sweet.

Early Mammoth White Cory—Stalks short; ears set quite low, of fair size. Very early.

Early Minnesota—Ears about 2 inches long; kernels broad, sweet and tender.

Howling Mob—One of the finest early, large eared sorts; very productive, white. A market gardeners' favorite. Ears 9 to 10 inches long, 16-rowed.

P.-W.'s Narrow Grain Evergreen—It makes a handsome ear about 9 inches long with a small cob containing 18 to 20 rows of very deep, narrow white grains. Wonderful canning variety.

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

Chinese Cabbage

(Cultivate the same as other varieties of cabbage)

Pe-Tsai—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., 30c; ¼ lb., 90c; 1 lb., \$3.00.

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; ¼ lb., 75c; 1 lb., \$2.50, postpaid.

Kohl Rabi

The bulb is edible and when cooked tastes very much like the turnip. If the seed is sown early the young bulbs will be ready for use in the spring, and a planting in July will secure vegetables for fall use. The seed should be planted in the open garden and the young plants thinned to four to six inches

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

Early Purple Vienna—Bright purple bulb, 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; ¼ lb., 70c; 1 lb., \$2.25.

Herbs

Herbs delight in rich, mellow 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.

	Pkt.	Oz.
Anise—Seeds aromatic	5c	20c
Caraway	5c	25c
Catnip	5c	35c
Chervil—Double curled	5c	30c
Coriander	5c	20c
Dill	5c	20c
Horehound	5c	40c
Lavender—True	5c	50c
Marjoram—Sweet	5c	30c
Rosemary	5c	50c
Sage	5c	75c
Savory—Winter	5c	40c
Thymne (Thymus Vulgaris)	5c	60c

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 loam. 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.

Early Fortune — Comparative tests with all other strains of White Spine prove that this new type has all the "earmarks" of becoming the most popular market variety yet developed. A quick grower, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. Pkt., 5c; Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50 postpaid.

Davis Perfect — A splendid forcer 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; ¼ 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; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

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.

Other Good Varieties

Arlington White Spine—Of medium size and good color. Pkt. 5c; oz., 10c; ¼ lb. 45c; 1 lb. \$1.25.

Boston Pickling—Of uniform size; dark green. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

Early Cluster—Makes a rapid growth. Fruits are short and produced in clusters. Pkt. 5c; oz., 10c; ¼ lb. 35c; 1 lb. \$1.00.

Early Frame, or Short Green—Fruits straight but smaller at ends, bright green. Pkt. 5c; oz. 10c; ¼ lb. 40c; 1 lb. \$1.20.

Improved Long Green—The leading long growing sort. Pkt. 5c; oz. 10c; ¼ lb. 45c; 1 lb. \$1.25.

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, 45c; two bricks, 80c; five bricks, \$1.75, postpaid.

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.

Giant Southern Curled—Curled leaf, large.

Ford Hook Fancy—Beautiful dark green leaves.

Any of above, Pkt. 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c, postpaid.

Okra or Gumbo

One Ounce Fifty Feet of Drill

Sow law in the spring after the ground has become warm, in drills three feet apart, and when plants are three inches high, thin out to from 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., 10; ¼ lb., 25c; 1 lb., 75c., postpaid.

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.

Either of above, Pkt., 5c; oz., 15c; ¼ 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 devolved into 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 Vitamines 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 many 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 $1\frac{1}{2}$ to 2 pounds per acre; Loose Leaf varieties 3 to 4 pounds per acre.

Iceberg

Heading or Cabbage Types

Cos or Romaine

Cos or Romaine

(Romaine) This kind of lettuce is distinguished by its long, narrow, spoon-shaped leaves, folding into loose, sugar-loaf heads which blanch better by baving 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.

Sow seed early in spring in rich, well prepared soil in rows eighteen inches apart, coving one-half inch deep. When plants have two or three leaves thin to three or four inches apart. As the plants begin to crowd thin and use as required.

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, 5 inches apart. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25, postpaid.

New York (Los Angeles Market)—The leading summer curly 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, resisting 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., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00.

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

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

Big Boston—Highly recommended for

outside, similar to old Boston Market but much larger.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

Deacon—Has very few waste outside leaves, grows very solid and of delicious buttery flavor.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

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

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

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

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

Iceberg—Large, crisp, tender head. Outside leaves light green, tinged with brown. Stands hot weather wonderfully well.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25

Prices quoted in this catalog include delivery charges, unless otherwise specified. You are as near to us, therefore, as your Post Office.

SEE PAGE 2
FOR QUANTITY PRICES

Curled or Loose Leaved

Black Seeded Simpson—This is one of the best; leaves large, thin and exceedingly tender.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., \$1.25

Early Curled Simpson—A popular early sort, forming a large, loose head.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., \$1.25

Grand Rapids—The most popular variety of greenhouse planting.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., \$1.25

Prizehead—Large, loose headed sort; leaves tinged with brown, very heavy.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., \$1.25

New York or Los Angeles Market

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; ¼ 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 meat, very small seed cavity; flesh is light green, solid, honey-like flavor, luscious and juicy. Fruits may be laid away for use late in the fall. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

Burrell's Gem

Burrell's Gem—Leading salmon fleshed cantaloupe, extensively grown for market—Equally good for the home garden. Similar in appearance to its parent, "Defender." It is easily crated, medium size, oval in shape, slightly ribbed, covered close with net. The flesh is firm, fine grained, rich, deep yellow; vigorous and productive.

Regular Stock—Pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

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

P.-W.'s Gold Lined Rocky Ford

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 globose, bright yellow with golden tint, with wrinkled skin, six to eight inches in diameter. Flesh is white, very thick, juicy and sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

Hearts of Gold or Improved Hoodo—Carefully selected to an oblong type, a little larger than the standard Rocky Ford, meat a rich orange. Excellent records were made with this variety for market. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.35.

Pollock's 25—Salmon tint, solid net, a good early shipper; special stock direct from Rocky Ford. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Anne Arundel—Oval, heavily netted, green fleshed. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

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.

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. Do not 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 8 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 thick shouldered type, particularly fine, smooth and regular. Pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb., \$1.50, postpaid.

Guernsey or Hollow Crown Parsnip

P.-W.'s Kleckley Sweets Watermelon

WATERMELONS

For Culture—See directions given under Muskmelons. One ounce thirty hills, four to five pounds per acre.

P.-W.'s Kleckley Sweets (Or Monte Cristo)—The best melon for home or near-by markets. There is no melon superior in quality to this strain of Kleckley Sweets. 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; ¼ lb., 40c; 1 lb., \$1.25.

Tom Watson—Leading melon for shipping to distant markets. It will endure rougher handling than "Kleckley's Sweets." 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; ¼ lb., 35c; 1 lb., \$1.00.

Cheese—The most popular for pies and table use; large, flat-round, creamy yellow skin and thick, orange flesh of fine quality; a splendid keeper. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

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; ¼ lb., 30c; lb., \$1.00

Kentucky Field—Large, round-flat, creamy yellow skin and flesh. Pkt., 5c; oz., 10c ¼ 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.

Chilian or Cannon Ball—This is a great favorite in California, both with home and market gardeners. It is nearly round, medium size, skin very dark, rich green, rind thin; flesh bright red and exceedingly crisp and sugary. Pkt., 5c; oz., 10c; ¼ 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, 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; ¼ 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; ¼ lb., 40c; 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; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

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

Citron—Red seeded. Small round fruits; for preserves only.

Kolb's Gem—Short, thick, very large dark green, marbled lighter; flesh red; good shipper.

Melver's Wonderful Sugar—One of the sweetest melons; medium size, striped, flesh red, stringless.

New National—Pale green, darker green markings, flesh red, stringless.

Rocky Ford—Burrell's strain, identical with Kleckley's Sweets.

True Dixie—Prolific yielder; dark green with stripes of lighter green.

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

Sweetheart—Medium early, large size, round to oblong thick, tough rind; good shipper; color light green; slightly veined darker; flesh red.

Price any of above varieties—except where otherwise noted—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

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.

Sugar Pie Pumpkin

tender, of bright yellow color and excellent quality for pies and other uses. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Sugar Pie—A handsome and productive small pumpkin, ten to twelve inches in diameter; flat-round, skin orange, very sweet. Pkt., 5c; oz., 10c; ¼ lb., flesh deep yellow, of fine grain and 35c; 1 lb., \$1.00.

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

**"An
Onion
a Day
Keeps
the
Doctor
Away"**

P.-W.'s Sweet Spanish Onions
Grown at Centerville

P.-W.'s Sweet Spanish (Genuine Imported Valencia Strain)—This giant, globe-shaped, straw-colored onion was originally imported from Spain. It has become very popular in all sections. It is now the leading onion grown by all market gardeners in the Salt Lake Valley. Hundreds of carloads are shipped annually from this district.

On the good soil this variety produces specimen onions measuring $4\frac{1}{2}$ to 5 inches in diameter and weighing $1\frac{3}{4}$ lbs; a yield of 2000 bushels to the acre is not uncommon. The flavor is delightfully mild and sweet, this feature together with its mammoth size account for its popularity wherever known. Price, Pkt., 10c; oz., 70c; $\frac{1}{4}$ lb., \$2.50; 1 lb., \$7.00.

P.-W.'s Sweet Spanish (Domestic Strain)—In general appearance, size, growth and yield, this strain is almost identical with the Valencia. Some practical growers claim an expert could not tell the difference and this is true of our own observation. Yet there was a very slight difference in flavor, the Valencia Strain being a trifle more mild; soil conditions could have accounted for this difference however. Of this fact we are certain no mistake can be made in growing either strain as each reward handsomely for cultivation. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.35; 1 lb., \$4.00.

P.-W.'s Yellow Globe Onion. Medium size, solid and heavy. The skin is a beautiful yellow, tops ripen down close, necks small. One of the surest keepers grown. Flesh white of mild and pleas-

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.

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 to 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 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.

ant flavor. It forms a bulb very early in the season, so that it may be used practically the entire summer, ripening up crisp and solid in the fall. The tops die off entirely, leaving fine appearing, uniform shaped bulbs without neck. Under favorable conditions, from 900 to 1,000 bushels is not an uncommon yield per acre. From our trials we can highly recommend it for general crop. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., \$65c; 1 lb., \$2.00.

Ailsa Craig—Color light straw yellow, fine grained, very mild flavor, mammoth size, often weighs two pounds, ripens early. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.35; 1 lb., \$4.00.

American Grown Prizetaker—Very large nearly round, skin light yellow. Flesh pure white in color, crisp and mild flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Gigantic Gibraltar—Truly a giant in size, can be grown successfully in districts where season is comparatively long, but we do not recommend it for the north and "high" valleys. It does splendidly in the vicinity of Salt Lake City. An immense, light yellow onion, fine grained, crisp, mild flavored and early.

They not infrequently measure 18 inches around, and weigh two pounds. To attain its largest size it should be sown early in the spring in the hotbed and later transplanted to the open ground. The onion is very productive, a good keeper for a large onion, and for those who like an onion raw, we recommend it highly on account of its mild and acceptable flavor. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.50.

Southport Yellow Globe—The flesh is snow-white, firm, mild and juicy, skin light golden yellow. Popular for family use or market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Yellow Globe Danvers—A very handsome, round globe-shaped variety, of large size, ripens early. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Yellow Flat Danvers—Largely planted. Flesh fine grained; mild. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Yellow Strasburg—Bright yellow, bulbs somewhat flattened; flesh white and mild. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Bermuda Red—Hugh flat, pale red, early and productive; grown largely in Bermuda and southern districts. Our seed is from Teneriffe. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.50.

Red Wethersfield—Though well flattened, the solid onions are thick through, skin is a deep glossy, purplish red. Flesh white. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; 1 lb., \$1.75.

Southport Large Red Globe—Most popular red onion. Distinctly globe-shaped, small neck, excellent keeper; deep purplish-red. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

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 yielding. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00, postpaid.

Onion Sets

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., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

Extra Early Barletta—Old-time favorite. From one inch to one and one-half inches in diameter. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

Extra Early Pearl—One of the earliest; mild flavor, good keeper. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

Early White Queen—An extra early; valuable for pickling. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

Mammoth Silver King—Large, attractive form; flattened out quite thick through. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

Round Silver Skin (White Portugal)—Very early, round; fresh, crisp and tender; excellent bunching or pickles. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.50.

White Lisbon—For early spring bunching makes no bulbs. Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

White Welch—Does not form bulb but produces very early bunching onions. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 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.

Onion Sets

A great specialty with us. We produce several carloads at our own farm in Centerville. The remarkable firmness, soundness and regularity in size of our Mountain Grown sets has been a matter of comment wherever they have been compared with those from other sections. Having been grown in this high altitude, they will produce a crop earlier than sets from east or south and in half the time that it could be produced from seed.

... Culture—Soil requirements are the same as with onion seed. Plant the sets three to four inches apart in the row, depending on the variety and twelve inches apart between the rows and two to three inches deep. It requires from 250 to 350 pounds for an acre.

Brown Bottom Sets—lb., 25c; 3 lbs., 65c; 10 lbs., \$2.00, Postpaid. Not prepaid 10 lbs., \$1.75.

Yellow Bottom Sets—lb., 25c; 3 lbs., 65c; 10 lbs., \$2.00, Postpaid. Not prepaid 10 lbs., \$1.75.

White Bottom Sets—lb., 30c; 3 lbs., 80c; 10 lbs., \$2.50, Postpaid. Not prepaid 10 lbs., \$2.25.

Potato Onion Sets—Produces several bulbs from the parent bulb. Lb., 50c; 3 lbs., \$1.40, postpaid.

White Multiplier Onion Sets—Produces very early as many as 20 bulbs in a cluster from single bulb planted; excellent for bunching green or pickling onions. Lb., 50c; 3 lbs., \$1.40, postpaid.

Garlic Sets—Most pungent of onion family. Lb., 45c; 3 lbs., \$1.30, postpaid.

See Page 2 For Prices on Quantity.

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.

P.W.'s Chinese Giant Red Pepper—This is a very large, deep red variety, almost twice the size of either Ruby King or Bull Nose. It is four or five inches thick at the top and about six inches long. Though not so productive for so large a pepper, its enormous size and magnificent appearance makes it sell readily. Fruits mature only slightly later than the Ruby King, flesh sweet and extremely mild. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Giant Crimson—About the size of Chinese Giant, similar in appearance; ripens earlier. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Large Bell or Bull Nose—Large, bright red.

Long Red Cayenne—Small, a bright scarlet, cone-shaped, pungent pods.

Neapolitan—Unusually mild and sweet, a bright red.

Pimento—The sweetest Pepper grown, as it does not contain the slightest trace of fieriness, medium size and of a shape which is desirable for filling. It may also be used in salads and for flavoring.

Red Chili—Small bright red, hot and pungent.

Ruby Giant—A cross between Ruby King and Chinese Giant, ripens earlier, very fine.

Ruby King—Fruits large, glossy red, very mild, sweet flavor and can be sliced and eaten like tomatoes. Best for making mangoes and most widely planted in the mountain states.

Any of the above not specially priced—Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

Pepper Plants—Strong, healthy transplanted plants ready in May and June of the main varieties listed on this page. Price 30c per doz, \$2.00 per 100 postpaid. By express, not prepaid \$6.50 per 1000.

P.W.'s Chinese Giant Pepper

PEAS

Peas share with sweet corn, parsnips and squash the honor of being the sweetest of vegetables. Their sweetness is in proportion to the wrinkles in the seed, we are told. Smooth seeded varieties are little used except for very early sowing. They will stand cold weather in which the wrinkled sorts will rot.

Our seed peas are raised in high valleys in the Mountain States, by our most 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 or double rows from one and one-half to three feet apart. The dwarf varieties can be planted in rows twelve to eighteen inches apart. By using the various classes of peas and by making several sowings of each, good peas may be had for 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 decided merit. The vines are vigorous, growing about 10 inches high and producing a large crop of good-sized pods, averaging from nine to ten peas to the pod.

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., 10c; lb., 35c; 2 lbs., 65c; Postpaid.

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., 10c; lb., 35c; 2 lbs., 65c; postpaid.

SEE PAGE 2 FOR PRICES
ON QUANTITIES

Inoculate Peas with Farmogerm
for Increase Yield. See Page 63

P.-W.'s Dwarf
Gradus

P.-W.'s Dwarf Prize Pea—This handsome new wrinkled pea is so hardy that it may safely be planted as early as the hard-seeded "Extra Earlies." The plants are dwarf, growing about 14 inches high, very stout and exceedingly productive, and quality is all that could be desired, exceptionally sweet and tender. It is the ideal variety for the home garden for early planting; in our estimation, no other plant can match it for this purpose. Try it this year; we are sure you cannot select anything in the pea family that will please you more. Pkt., 10; lb., 35c; 2 lbs., 65c, Postpaid.

Other Good Peas

Extra Early Varieties—

	Postpaid Prices	Pkt.	lb.	2 lb.
Alaska Extra Early—(Smooth).....	10c	20c	35c	
Gradus or Prosperity—(Wrinkled).....	10c	35c	60c	
Thomas Laxton—(Wrinkled).....	10c	35c	60c	

Early Varieties—

	Postpaid Prices	Pkt.	lb.	2 lb.
American Wonder—(Wrinkled).....	10c	35c	60c	
Nott's Excelsior—(Wrinkled).....	10c	35c	60c	

Main Crop Varieties—

	Postpaid Prices	Pkt.	lb.	2 lb.
Admiral—canning wrinkled.....	10c	35c	60c	
Bliss Everbearing—Wrinkled.....	10c	35c	60c	
Dwarf Telephone (Carter's Daisy)				
Wrinkled.....	10c	35c	60c	
P.-W.'s Telephone—Wrinkled.....	10c	35c	60c	
P.-W.'s Dwarf—Defiance.....	10c	35c	60c	
Yorkshire Hero—Wrinkled.....	10c	35c	60c	
Horsford Market Garden.....	10c	25c	45c	
Mammoth Melting Sugar Edible Pod.....	10c	35c	60c	

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

P.-W.'s Dwarf
Prize

Alderman

Rhubarb

Sow the seed early one inch deep and when the plants 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 greenhouse.

One ounce for 50 feet of drill, 8 to 10 pounds per acre.

Victoria—Very large and tender. The best variety to plant and the one most generally used. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, Postpaid.

Roots—Mailing size, 2 or 3 eyes to each clump. Each, 35c; \$3.00 per dozen, Postpaid. By Express or Freight 20c each; \$2.25 per dozen; \$15.00 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. 5c; oz., 20c; ¼ lb., 65c; 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. 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

Red River Early Ohio Potatoes

POTATOES

The Seed Potatoes we send out will be not only strictly true to name, but hand-sorted, clean, healthy and vigorous.

For early potatoes, which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover bed, manured and broken the year before and planted to corn, beans, peas, oats, etc., is 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.

Treatment of Potatoes for Rosette. Two ounces of Corrosive Sublimate or Mercuric Chloride.

Dissolve in one gallon of hot water. After same is thoroughly dissolved, add 14 gallons of cold water.

Use only in wooden vessels—rank poison. Use care about handling after treatment.

Direction for Dipping—Put in solution either loose or in sacks and allow to remain for two hours. Then remove to clean place, where there is no danger of disease germs.

Fifteen gallons of solution is sufficient to treat as many potatoes as the solution will cover four separate times.

Treat only clean stock.

Early Ohio—An old time favorite; matures early, and the potatoes are fit for use before fully ripe. Most growers here consider it the most profitable early market variety. Red River Strain, grown on virgin soil, State of Idaho certification, 10 lb., \$1.00 not prepaid. 100 lb., market price.

Rural New Yorker—A valuable variety of large size; very smooth and a great cropper; in quality unexcelled. It is the

best late long keeper, and we recommend it highly 10 lb., 75c; not prepaid; 100 lb., market price.

OTHER GOOD VARIETIES

Bliss, Triumph (not prepaid)	10 lbs.	\$1.00
Chili Garnett (not prepaid)	10 lbs.	\$1.00
Eureka (not prepaid)	10 lbs.	\$1.00
Early Rose (not prepaid)	10 lbs.	\$1.00
Irish Cobbler (not prepaid)	10 lbs.	\$1.00
Russets (not prepaid)	10 lbs.	\$1.00
Peerless (not prepaid)	10 lbs.	75

Write for Quantity Prices—Market
Fluctuates Rapidly.

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.

King of Denmark—This new variety is undoubtedly the most valuable introduction of spinach in years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. This variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both the home and market gardener. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

King of Denmark Spinach

P.-W.'s Bloomsdale Savoy—Leaves are thick and blistered. Its hardness and thickness of leaf permit safe long-distance shipping. A great favorite.

Long Standing—Green, smooth leaves. Victoria—Deepest green color; has heavily crimped, thick, fleshy leaves.

Prickly Winter—Vigorous and hardy; leaves round, thick, medium sized and dark green.

Viroflay—For either spring or fall sowing; leaves very large, broad, thick and arrow-shaped, much crumpled.

Price, any of above: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid. See page 2 for quantity prices.

P-W.'s Sparkler

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; ¼ lb., 30c; lb., 85c.

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

French Breakfast

Extra Early Scarlet—Deep scarlet; tender, mild and crisp; quick-growing; tops small.

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

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

Price, except where noted, any of above: Pkt., 5c; oz., 10c; ¼ 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 Strassburg—Half-long and thick.

White Vienna—Snow white; flesh crisp.

Prices, any of above, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

White Icicle Radishes

ALL PRICES ON THIS
PAGE POSTPAID

Winter Varieties

Seed for winter radishes should be sown about the first of August in rich, warm, sandy loam, in rows about twenty inches apart, covering half an inch deep. When well up thin to three inches apart in the row and give frequent cultivation. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

Chinese Rose—Half-long, flesh pink, solid.

Long Black Spanish—Roots black.

Round Black Spanish—Globe shaped.

Celestial or White Chinese—Pure white, firm.

Prices, any of above, Pkt., 5c;

oz., 10c; ¼ lb., 40c; lb., \$1.25.

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

Cocozelle (Italian Vegetable Marrow)—Fruits large, oblong shaped, dark green at first but as they mature become marbled with yellow and lighter green stripes. Fine grained, tender and of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 45c; lb., \$1.50

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

Yellow Summer Crookneck—Golden yellow thickly warted; 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 Wartner 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., 55c; lb., \$1.75.

Essex Hybrid—Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

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

Mammoth Chili—Pkt., 5c; oz., 15c; ¼ lb., 60c; lb., \$1.75.

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

Chicago Wartner Hubbard

TOMATOES

For early plants sow in hot beds or boxes early in March, in drills five inches apart, one-half inch deep. When the plants are about two inches high, transplanted 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.

John Baer—Produce perfect, solid, high crown, brilliant red shipping tomatoes in 30 days from potted plants if the roots are undisturbed when set out. The fruit contains few seeds, is extremely solid and meaty and of deliciously mild, sweet flavor. Entirely free from blight, no cracks, no wrinkles, no one-sided or scarred fruit and even when dead ripe "John Baer" will not burst. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$3.50.

P.-W.'s Extra Earliana—Extremely early, of fine quality, the flesh being remarkably solid and containing few seeds. The strain we are offering has been specially selected for earliness. Pkt., 5c; oz., 40c; ¼ lb., \$1.30; 1 lb., \$4.00.

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., 40c; ¼ lb., \$1.30; lb., \$4.00.

San Jose Canner

OTHER EARLY VARIETIES

	Pkt.	Oz.	¼ lb.	lb.
Acme	5c	30c	\$1.00	\$3.00
Beauty	5c	30c	1.00	3.00
Bonny Best	5c	30c	1.00	3.00
Chalk's Early Jewel	5c	30c	1.00	3.00
Early Detroit	5c	40c	1.35	4.00
Early Michigan	5c	40c	1.35	4.00

Small Fruited Varieties

	Pkt.	Oz.	¼ lb.	lb.
Red Pear Shaped	5c	45c	1.50	4.50
Red Cherry	5c	45c	1.50	4.50
Strawberry Ground	5c	45c	1.50	4.50
Cherry or Husk	5c	45c	1.50	4.50
Yellow Plum	5c	45c	1.50	4.50
Yellow Cherry	5c	45c	1.50	4.50

MAIN CROP VARIETIES

	Pkt.	Oz.	¼ lb.	lb.
Delaware Beauty	5c	35c	1.15	3.50
Dwarf Champion	5c	40c	1.35	4.00
Greater Baltimore	5c	35c	1.15	3.50
Landreth's Red Rock	5c	35c	1.15	3.50
Livingstone's Hummer	5c	35c	1.15	3.05
Matchless	5c	35c	1.15	3.50
My Maryland	5c	35c	1.15	3.50
New Stone	5c	35c	1.15	3.50
P.-W.'s Imperial	5c	40c	1.35	4.00
Ponderosa	5c	50c	1.60	5.00

Tomato Plants—Strong, sturdy transplanted stock of main varieties ready in May and June. Doz. 40c; 100 at \$2.30, postpaid. Not prepaid 30c per doz; \$2.00 per 100; \$17.50 per 1000.

TURNIPS

For early use, sow as soon as the ground can be worked in the spring, in drills twelve to fifteen inches apart, and thin out to six to nine inches in the row. For succession, continue to sow every two weeks until June. For fall or winter crops sow in July or August. One ounce 100 feet, 2 pounds per acre.

PURPLE TOP WHITE GLOBE. The Best Flavored and Largest Yields Grown. Without an Equal for All Purposes.—The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper, 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; ¼ lb., 25c; lb., 75c.

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., 10c; ¼ lb., 30c; lb., \$1.00.

OTHER GOOD VARIETIES

	Pkt.	Oz.	¼ lb.	lb.
Extra Early White Milan	5c	10c	30c	\$1.00
Early Purple Top Strap Leaf	5c	10c	25c	.75
Pomerine White Globe	5c	10c	25c	.75
Snowball	5c	10c	25c	.75
White Egg	5c	10c	25c	.75
White Flat Dutch	5c	10c	25c	.75

RUTABAGA OR SWEDES

One ounce 100 feet, 2-3 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; ¼ lb., 25c; lb., 75c. See Page 2 for quantity prices.

Purple Top Globe Turnip

P.-W.'s Grass and Clover Mixtures Make Best Dairy Pastures

GRASS SEEDS CLOVER SEEDS

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

Bromus Inermis (Hungarian Brome Grass)—Remarkable drouth-resister, not injured by frost. Sow 20 to 30 lbs. per acre. **Pound, 35c, postpaid. Not prepaid, 10 lbs., \$2.50.**

Red Top—Reaches highest perfection in moist, rich, soil. Sow 25 pounds per acre. **Pound, 50c, Postpaid. Not prepaid, 10 lbs., \$4.00.**

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

Kentucky Blue Grass—Remains green from early spring until snow flies in the 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 lbs. \$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 lbs., \$2.50; 100 lb. at market price.**

Meadow Fesque, Randall or English Blue Grass—Excellent for hay and pasturage. Succeeds even in poor soil, roots penetrate deep, stands extremely dry weather. Sow in spring or fall at the rate of 30 pounds to the acre. **Pound, 55c, Postpaid. Not prepaid, 10 lb., \$4.50.**

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 30c, Postpaid. Not prepaid, 10 lb., \$2.00.**

Tall Meadow Oat Grass—Out yields Timothy or Orchards Grass, and affords better grazing, becoming very popular. Sown alone, use 30 pounds to the acre, either spring or fall. **Pound, 60c, Postpaid. Not prepaid, 10 lb., \$5.00; 100 lb. at market price.**

Italian Rye Grass—Annual type of English Rye Grass. **Pound, 35c, Postpaid. Not prepaid, 10 lb., \$2.50.**

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., 40c, Postpaid. Not prepaid, 10 lb., \$2.75; 100 lb., market price.**

Alfalfa Seed Grimm—This variety is especially recommended for shallow soils or those underlaid with hardpan. The claim made for it is that in addition to extreme hardness 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 lbs., \$4.00; 100 lb., market price.**

Sweet Clover or Bokhara (Melilotus Alba) White Blossom—As a money-maker this has been rightfully named "Alfalfa's Twin Sister." Its value in the redemption of alkaline lands cannot be over-estimated. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere except in acid soil. Sow at the rate of 10 to 15 pounds per acre. Cover the seed very lightly. **Lb., 35c, Postpaid. Not prepaid, 10 lbs., \$2.50 100 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., 40c, Postpaid. Not prepaid, 10 lb., \$3.00; 100 lb., market price.**

Hubam Clover (Annual Sweet Clover)—This is an annual white blossom sweet clover very similar to Melilotus Alba but a more rapid grower and matures its seed the first year. It is a valuable forage hay or bee pasture. Sow broadcast or in drills 18 inches apart at rate of four to five pounds per acre. **Lb., 75c, Postpaid. Write for quantity prices.**

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 lbs., \$4.00.**

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. We have aimed in these splendid combinations to supply such varieties that will form a deep-rooting turf and that will yield, year after year, the greatest amount of hay and furnish the most constant and abundant pasturage. With these mixtures and with the proper kinds of dairy cows, it is possible to realize at least one hundred and fifty dollars per acre annually from every acre that has been carefully seeded and attended to.

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 Top, Orchard Grass, Tall Meadow Fesque, Red Clover, Lucerne and White Clover. Sow 25 pounds per acre. **Pound, 50c, Postpaid. Not prepaid, 10 lb., \$3.50; 100 lb. at market price.**

P.-W.'s Mixture No. 2. For Light, Sandy Soils—Consisting chiefly of Kentucky Blue Grass, Bromus Inermis, White Clover. Sow 30 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10 lb., \$3.25; 100 lb. market price.**

P.-W.'s Mixture No. 3. For Low and Moist Soils—Consisting chiefly of Red Top, Perennial Rye Grass, Meadow Fesque, Timothy, Alsike Clover, White Clover, Orchard Grass. Sow 25 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10 lb., \$3.25; 100 lb. at market price.**

P.-W.'s Mixture No. 4. For Marsh, Wet or Boggy Soils—Consists chiefly of Red Top, Perennial Rye Grass, Creeping Bent Grass, Alsike Clover. Sow 40 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10 lb. \$3.25; 100 lb. 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.

FARM SEEDS

Field Corn for Ensilage

Of all the crops useful for ensilage, Corn is the most largely used and without doubt the most profitable. Alive to this situation, we have made Ensilage Corn a specialty and we are now able to offer our customers the most profitable varieties adapted to the 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 only 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 is the heaviest yielding corn for ensilage ever introduced in the Mountain States. It is positively the earliest of the tall-growing large yellow Dent corn in cultivation. It is our own selection from Improved Leaming 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.

"Pride of the North as It Grows in Idaho"

P.-W.'s Silo Corn No. 2—This is a shorter growing variety than P.-W.'s Mountain States Silo Corn No. 1, the height ranging from 8 to 12 feet, depending upon soil and other conditions. Consequently the fodder tonnage is less, but it makes up this loss to a large degree in the increase of grain yield. See below for price.

Red Cob Ensilage—A pure white corn on a red cob. It is sweet, tender, juicy, has short points and produces an abundance for foliage.

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

P.-W.'s Improved Leaming—Ripens in 90 to 100 days from planting. It is extra early, and not a hard flinty corn. Price, see below.

Minnesota No. 13—The ears are of handsome appearance bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. Matures in ninety 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 cannot be beat.

Any of above—Pound 20c, postpaid. Not prepaid, lb., 13c; 10 lbs. \$1.00. Ask for Quantity Prices.

BARLEY

Sow 60 to 90 pounds per acre; on dry land 40 to 50 pounds. Prices quoted are not postpaid.

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 lb., market.

Blue or Feed Barley—10 lb., 50c; 100 lb. at market price.

FETERITA

From 20 to 30 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without having received any rain 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; 100 lb. at market price.

MILLET

Common—Very early; abundant. Lb., 10c not postpaid. 100 lb. at market price.

Liberty—A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre 10 lb., \$1.50 not postpaid. 100 lb. at market price.

Billion Dollar Grass or Japanese—Sow 40 pounds per acre. 10 lb., \$1.50 not postpaid; 100 lbs. 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 "90-day oats," as it has ripened crops in 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 feed for poultry. Sow in drills, at the rate of three to five pounds per acre. 10 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 face rye except larger heads and kernels. Yields from 30 to 50 per cent larger crop than the ordinary variety. 10 lbs. 75c, not prepaid; 100 lb. market price.

Fall or Winter—A good crop for early fall or spring pasture. 10 lb., 50c not prepaid; 100 lb., market price.

Emmer or Speltz—A valuable grain from Russia, adapted to a wide range of soil and climate. In the green state it makes excellent pasture. Not postpaid, lb., 10c; 100 lb., 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, Dicklow, Club, Sonora, etc.)—Sow 60 to 80 pounds per acre on irrigated land; 40 to 50 on dry land. 10 lb., 60c, not prepaid; 100 lb. market price.

SUDAN GRASS

Sudan is a tall annual grass, reaching to a height of from seven to nine feet when planted in rows and allowed to mature for a seed crop; broadcasted and cut "in the bloom" for hay, about four feet. It dies each year. Should not be planted until all danger of frost is past.

Plant in rows, thirty-six inches apart using about two 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., 40c, postpaid; 10 lb., \$3.00, not prepaid.

SORGUM

Early Amber—Furnishes a large yield of most nutritive 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, postpaid. Not prepaid, 10 lbs. \$1.25; 100 lb. at market price.

Chinese Drip Sorghum—Very prolific, vigorous; especially desirable for making molasses. Equally well adapted for fodder and ensilage. Lb., 30c, postpaid. Not prepaid, 10 lb., \$1.75; 100 lb. at market price.

FIELD PEAS

Most valuable farm crop for dairy or ranch. Sow in early spring, 40 to 50 lbs. per acre. Treat seed 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, postpaid. Not prepaid, 10 lb., \$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, postpaid. Not prepaid, 10 lbs. \$1.00; 100 lb., at market price.

SALT BUSH

Australian (Atriplex semi-baccata)—Will grow on alkaline soil. Much relished by stock, supplying the necessary salt. One pound of seed to the acre if sown broadcast four ounces if transplanted. In cutting fodder be careful not to injure crown of the plants. Lb. 75c, postpaid.

SPRING VETCH

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

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

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

LAWN MAKING

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 fowl 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 fowl seed. Sow at rate of one pound to 200 square feet. Price: lb., 80c; 3 lb., \$2.25. Postpaid. Not prepaid lb., 70c; 10 lbs., \$6.50

Kentucky Blue Grass—The main stay for lawn making; our stock is extra fancy re-cleaned heavy seed. The purest and cleanest obtainable. Lb., 75c; 3 lbs. \$2.10. Postpaid. Not prepaid, lb., 65c; 10 lbs., \$6.00.

Red Top Grass—Fancy re-cleaned solid seed; in popularity for lawn use it is a close second to Kentucky Blue Grass. Lb., 50c, postpaid. Not prepaid lb., 45c; 10 lbs., \$4.00.

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.

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 lbs., \$6.00.

White Clover—First class re-cleaned seed. Specially selected for lawn use. Lb., 95c, postpaid. Not prepaid, lb. 90c; 10 lbs., \$8.50.

Prices fluctuate rapidly on lawn seed. Write for prices on quantities.

Flower Seeds

A—Giant Branching Type. B—King Type. C—American Beauty Type. D—Crego Type. E—Ostrich Feather. F—China Aster.

Asters

DURING the late summer and early fall the garden is usually a riot of reds and yellows, so the Asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.

accompanied 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, Violet, Lavender.

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

Mixed, all colors — Packet, 10 cents.

American Asternum — 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 hedging. 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.

Tall Section

16 inches and up

American Beauty — Similar in type of flower and growth to the Giant Branching Asters, but blossoms are produced on much longer and heavier stems. The flowers are fully double.

White, Carmine-Rose, Purple, Lavender, September Beauty, Rose Pink.

Each of the above, packet, 15 cents; any 3 packets for 35 cents.

Mixed, all colors — Packet, 15 cents.

Giant Crego — The flowers measure four to five inches in diameter, and are borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed.

White, Shell Pink, Rose Pink, Crimson, Lavender, Dark Blue, Purple.

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

Mixed, all colors — Packet, 10 cents.

Vaughan's Giant Branching — Beautiful for cut-flowers. The branching habit is

Ageratum

Ageratum

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

Mexicanum Coeruleum — 18-inch. Beautiful soft lavender-blue, of free branching habit. Packet, 5 cents.

Album — White. Packet, 5 cents.

Nanum, Blue Perfection — 9-inch. The darkest Ageratum grown from seed. Packet, 10 cents.

Nanum Luteum — 9-inch. Dwarf yellow. Packet, 10 cents.

Imperial Dwarf Blue — 6-inch. A variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Packet, 10 cents.

Little Blue Star — 4 to 5 inches. Miniature bushes covered with clusters of flowers opening light blue with purple center and developing to a bright blue self. Packet, 15 cents.

Princess Victoria Louise — 6 inch. Bushy plants covered with sky blue flowers with white centers. Packet, 10 cents.

Alyssum

Benthami Maritimum (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.

Little Gem — The plants are only a few inches high, and are completely covered with snow-white blossoms. ½ ounce, 40 cents; ¼ ounce, 25 cents; packet, 10 cents.

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

Saxatile Compactum (Basket of Gold) — Perennial — 1 foot. May-June. Producing masses of golden flowers very early. Packet, 10 cents.

Acroclium

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

Agapanthus

Unbellatus — 1 foot. Bright blue flowers, produced in clusters on long stems. Water freely. Packet, 15 cents.

Ammobium

Alatum Grandiflorum — 2½ feet. A white Everlasting. Packet, 10 cents.

Anchusa

Capensis (Summer Forget-me-not) — 2 feet. A hardy annual which grows two feet high, branching freely and bearing a profusion of lovely flowers similar to the Forget-me-not, though much larger and of finer color. Packet, 10 cents.

Italica Dropmore Variety. Perennial — 5 feet. June-July. Beautiful gentian blue flowers. Packet, 15 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)

Kelwayi — Perennial — 2 feet. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Packet 10 cents.

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

Antirrhinum

Antirrhinum

(Snapdragon)

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.

Delila — 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.

Tall Sorts — Mixed.

Each of above, packet, 10 cents. Any 3 for 25 cents.

Semi-Tall Sorts — 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, canary 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 Fawn — Terra-cotta pink and pale yellow. Each of above, packet, 10 cents; any 3 packets for 25 cents.

Semi-Tall Sorts Mixed — Packet, 5 cents.

Tom Thumb Varieties — 8 inches

Pink.

Snow Queen — White flowers all summer.

Fireball — Dazzling scarlet.

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

Balloon Vine

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

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

Dwarf Mixed — 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 doubleness. Packet, 10 cents.

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

Cardinal Climber

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, as 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)

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

Canterbury Bells

White, Pink, Blue, Mixed Colors.

Each of the above, Packet, 10 cents.

Campanula Medium (Canterbury Bell) — 2 feet. Perennial.

Single White, Single Blue, Single Pink, Single Mixed.

Each of the above, Packet, 10 cents.

Double White, Double Blue, Double Pink, Double Mixed.

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.

Canadensis (Turk's Cap) — 1 handsome scarlet and orange flowers. Packet, 10 cents.

Caerulea (Rocky Mountain Columbine) — 3 feet. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Packet, 10 cents.

Long Spurred Columbines — Mixed. Packet, 15 cents.

Single Mixed — Packet, 10 cents.

Double Mixed — Packet, 10 cents.

Cardinal Climber

25 feet.

A very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. 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.

Officinalis 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 (Caronata Maxima) — Splendid cut flower. Pure golden yellow 2 inches across, on long, wiry stems hardy and blooms

Cosmos — Anemone Flowered

nearly all season. Packet, 10 cents.

Drummond's 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.

Columbines

Chrysanthemums

Chrysanthemum, Annual

Single Flowering Varieties

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

Corinotum 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. $\frac{1}{2}$ ounce 25 cents; packet, 10 cents.

Carnations

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

American Hybrids — A race of large-flowered carnations, bearing handsome blooms on long, wiry stems. Packet, 35 seeds, 25 cents.

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.

Grenodin — Perennial, mixed, packet, 10 cents.

Celosia

(Coxcomb)

Crested Dwarf Sorts

President Thiers — Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs. Packet, 10 cents.

Dwarf Mixed — Packet, 10 cents.

Plumosa or Plumed Varieties

2½ to 3 feet

They form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

Plumoso Mixed all Colors — Packet, 5 cents.

Pride of Castle Gould — Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Packet, 25 cents.

Chinese Woolflower (Celosia Childsii) — 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 Plumoso 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

Centaurea Cyanus

Coreopsis

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

Lanceolato Grandiflora — 2 feet. Large, orange-yellow flowers on long graceful stems. About the best yellow cutflower 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 lilac. 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.

Coreopsis

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 — $\frac{1}{2}$ 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

(Batchelor'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. $\frac{1}{2}$ 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.

Gymnocorpo — 1½ 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

Mirobilis — (Single Wonder Pink) — The petals are deeply cut into fine strips of

Centaurea Imperialis

tion of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. Packet, 10 cents.

Mixture of Double and Single Pinks—

This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. Packet, 10 cents.

Perennials

(Clove Pinks)

Single Mixed — Delicately fringed flowers. Packet, 10 cents.

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.

Dianthus

threadlike fringes. All shades from pure white to deep purplish. Packet, 10 cents.

Chinese Single Mixed — Packet, 5 cents.

Japon Single Mixed — Great range of colors. Packet, 5 cents.

Laciniatus Mixed — Single fringed flowers. Packet, 5 cents.

Laciniatus Splendens — 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.

Diadematus Double Mixed — Beautiful flowers in various shades with the outer edges fringed and almost white. Packet, 5 cents.

Imperioli Double Mixed — Bushy grower. Packet, 5 cents.

Lociniatus Double Mixed — Flowers deeply lacinated. Packet, 10 cents.

Mixture of Double Pinks — Selec-

Foxglove

Carmine King — Beautiful carmine rose color, both on the interior and exterior of the flower. Packet, 10 cents.

Dainty Queen — Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream. Packet, 10 cents.

Golden West — Flowers bright yellow and orange, penciled and blotched. Packet, 5 cents.

Mandarin — Inner side of the petals rich orange, the outer side brilliant scarlet. Packet, 5 cents.

Mixed all colors — Many shades. ¼ pound, 50 cents; 1 ounce, 20 cents; Packet, 5 cents.

Double and Semi-Double Mixed — Packet, 10 cents.

Everlastings

Winter bouquets of your own growing make an attractive present for a friend, besides supplying a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annuals

Acroclinium Roseum — 2 feet. Packet, 5 cents.

Escholtzia

Ammobium Alotum Grandiflorum — 2½ feet. Packet, 10 cents.

Gomphreno (Globe Amaranth) — Mixed, all colors. Packet, 5 cents.

Helichrysium (Strowflower) — 2 to 3 feet. Packet, 15 cents.

Rhodanthe — 1 foot. Mixed colors. Packet, 10 cents.

Stotice Russian (Suworowi) — 1 foot. Packet, 15 cents.

Stotice 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.

Gloxinioeflora, White — Flowers shaped and spotted like a gloxinia.

Pink, Purple. Each color, packet, 10 cents.

Gloxinioeflora, Mixed Colors — Packet, 10 cents.

Purpureo Mixed — Many colors. Packet, 10 cents.

Hollyhocks

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.

Annals

Amblyodon — Deep red. Packet, 10 cents.
Picta Single Mixed — Packet, 5 cents.
Lorenzonia Double Perfection Mixed — Large handsome heads of double quilled flowers in rich shades of red and yellow. Packet, 5 cents.

Perennials

Grondiflora 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

1½ 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 Amaranth)

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)

Helichrysoms 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 Verbenas.

Mommoth 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 flower 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.

Annals

Everblooming Single Mixed — Large single flowers, exhibiting every shade known in Hollyhocks. Packet, 10 cents.

Everblooming Double Mixed — Double and semi-double. Packet, 10 cents.

Perennials — Double Varieties

White, Maroon, 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 hardy 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 2½ feet high and resembles a close-clipped ornamental evergreen. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. ½ ounce, 15 cents; packet, 10 cents.

Lavatera

2½ feet

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom.

Larkspur

Lobelias

Splendens Albo — Very large, silky, pure white flowers. Packet, 10 cents.

Splendens Roseo — Very large, bright rose flowers. Packet, 10 cents.

Lavender Lace Flower

Didiscus coeruleus — 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

Grondiflorum Rubrum (Crimson Flox) — 2 feet. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. May be had in bloom from May to October by successive sowings. Packet, 5 cents.

Perenne — 2 feet. Pearly blue flowers. A graceful, hardy perennial. Packet, 10 cents.

Perennial Mixed — Packet, 10 cents.

Lobelia Erinus Compacta

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding, and garden decoration as well as for pot culture.

Bedding Queen — Dwarfest, best for ribbon bedding. Flowers deep purplish violet, with clear white eye. Packet, 10 cents.

Mixed — Packet, 5 cents.

Cardinalis (Cardinal Flower) — 2 feet. Perennial. July-October. Brilliant fiery scarlet flowers. Prefers moist position. Packet, 10 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, ¼ 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.

Larkspur

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, openspike. Packet, 10 cents.

Belladonna (Light Blue) — 2 feet; flowers exquisite shade of turquoise blue. Packet, 20 cents.

Marigolds African

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

Tall Hybrids — Many of them are double flowered, and range in color from pale lavender to indigo blue. Packet, 25 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.

Double Dwarf African Mixed (Pride of the Garden) — 15 inches. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Packet, 10 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. $\frac{1}{4}$ 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, 80 cents; $\frac{1}{2}$ 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.

Morning Glory

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 French

Affinis — 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, 1 1/2 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.

Tall Growing Nasturtiums

Nasturtiums

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.

THESE grateful 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.

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, 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.

Von Moltke — Ruby red.

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

Tall Mixed

All sorts. 1 pound, \$1.00; ¼ pound, 30 cents; 1 ounce, 10 cents; packet, 5 cents.

Variegated-Leaved Varieties — Many colors mixed. Packet, 5 cents.

Ivy-leaved Tall Mixed — packet, 10 cents.

Dwarf Nasturtiums

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, 29 cents; packet, 5 cents.

Machel — 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. $\frac{1}{4}$ 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 — $\frac{1}{4}$ pound, 40 cents; 1 ounce, 15 cents; packet, 5 cents.

Dwarf Mixed — 12 in packet, 5 cents.

Sweet-Scented (*Longiflora 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 flourishes in shady, moist situations.

Alpestris Blue — Trailing habit. Packet, 5 cents.

Alba — White. Packet, 5 cents.

Rosea — Pink. Packet, 5 cents.

Eliza Fonrobert — 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.

Mixed — Packet, 5 cents.

Boulogne Giant Mixture — The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined. Packet, 100 seeds, 50 cents.

Cassiers 3 and 5 Blotched Mixed — Mostly light shades with dark blotches. $\frac{1}{4}$ ounce, 60 cents; packet 20 cents.

Nicotiana—See Page 31

Best Giant Mixture — It includes the richest 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. $\frac{1}{4}$ 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. $\frac{1}{4}$ 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.

Petunia—Small Flowering

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 — $\frac{1}{2}$ 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 heds. 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. $\frac{1}{2}$ ounce, 40 cents; packet, 10 cents.

Large Single Flowering Varieties

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

Balcony Queen — Rich, velvety violet with white blotches. Packet, 150 seeds, 25 cents.

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

Balcony Blue — Rich, velvety blue. Packet, 150 seeds, 25 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.

Double Large Flowering Varieties

Mixture of Double Petunias — This mixture of the best large flowering and fringed double petunias will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Packet, 200 seeds, 30 cents.

Double Small Flowered Mixed — The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Packet, 300 seeds, 25 cents.

Single Small Flowering Varieties 1½ Feet

Alba — Pure white. Packet, 5 cents.

Carmine Rose — Packet, 5 cents.

Countess of Ellesmere — Rose with white throat. Packet, 5 cents.

General Dodds — Blood-red. Packet, 5 cents.

Howard's Star — A beautiful free-flowering strain, color crimson-maroon with a clearly defined five-pointed star of blushing white. For bedding, baskets, vases, etc., this is exceptionally fine. Packet, 10 cents.

Inimitable — Blotched and striped. Packet, 5 cents.

Violacea — Violet blue. Packet, 10 cents.

Venosa — Light red veined. Packet, 5 cents.

Key: A—Shirley Poppies, single and double; B—Iceland Poppy (Nudicaule); C—Danebrog (Danish Cross); D—Oriental.

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 airily 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.

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

Danebrog or Danish Flag — Brilliant scarlet flowers, with a silvery 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. $\frac{1}{2}$ 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 Firedragon) — 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.

Umbrosium — 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, 30 cents; packet, 10 cents.

Miss Sherwood — Flowers shining, satiny white, the half of the corolla being a silky chamois 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 rosy 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

Nudicaule — 15 inch. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Packet, 10 cents.

Nudicaule yellow, orange, white. Each color, packet, 10 cents.

Oriental Poppy

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 — $\frac{1}{2}$ ounce, 30 cents; packet, 5 cents.

Best Double Mixture — $\frac{1}{2}$ ounce, 50 cents; packet, 10 cents.

Pyrethrum

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.

Raseum, Single Mixed—Packet, 10 cents.
Raseum Hybridum 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

Caerulea Grandiflora (Passion Flower)—15 feet. **Southern Beauty**. A beautiful vine for greenhouse and window. Packet, 10 cents.

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

Langistylum—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.
Grandiflorum Album—Pure white. 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 lavender, produced in whorls on tall graceful spikes in great profusion. Packet, 25 cents.

Farbesi (Baby Primrose)—10 inches. The flowers are very graceful, of the most pleasing rose color or 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, 15 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 inch. Flowers in early spring in colors of yellow, brown and red. Packet, 10 cents.

Japanica Mixed—Packet, 15 cents.

Veris (Elatior)—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 Superba—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 shrubberies, flower borders or side of carriage drives, thriving in any good garden soil.

Fulgida—Yellow. Packet, 10 cents.

Large Flowered Yellow—Packet, 10 cents.

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

Purpurea Grandiflora, Syn., Echinacea Purpurea (Purple Cone Flower)—3 feet. September; large handsome crimson-purple flowers with dark central disc. Packet, 10 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 Varieties—1 Foot

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

Alba—Pure white.

Atra-purpurea—Black brown.

Brilliant—Rose with dark eye.

Carnea—Flesh color.

Chamaei Rase.

Coccinea—Fiery scarlet.

Caerulea Striata—Blue striped.

Crown Prince—Salmony scarlet.

Isabellina—Yellow.

Kermesina Splendens—Vivid crimson with white eye.

Gold Star—Pink with gold star.

Rosea—Pink.

Violet.

Each of the above, packet, 10 cents.

Drummandi Mixed—Good mixture, ¼ ounce, 25 cents; packet, 5 cents.

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

Semi-Double Varieties 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.

Sky-blue with White Eye—Packet, 15 cents.

Salmon-Pink—Packet, 15 cents.

Nana Compacta, Mixed, all colors—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

Caulteri (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.

Cambadensis—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

Salpiglossis

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, *Garaway'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.

Wisetonensis — 1½ feet. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. Packet, 15 cents.

Mixed, all colors — ¼ ounce, 15 cents; packet, 5 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 resettes, 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.

Giant 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.

Scabiosa

White, canary yellow, pink, old rose improved, scarlet, light blue, dark blue, mixed.

Each of the above, packet, 10 cents.

Bismarck — 2½ Feet

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent hushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

White, lilac, rose, gold hall, blood-red, mixed.

Each of the above, packet, 15 cents.

Emperor or Winter — 2 Feet

These are useful in planting in California and the South, outdoors.

Large Flowering White Lady — White. Packet, 15 cents.

Empress Elizabeth — Brilliant carmine rose. Packet, 15 cents.

Winter Stocks Mixed — Packet, 15 cents.

Sweet William

(*Dianthus Barbatus*)

The varieties offered are an improvement on the old-fashioned kinds. Sweet Williams look well in solid beds of masses and require 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.

Diadematus — 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.

Nigrescens — Almost black. Packet, 10 cents.

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

Albus — White. Packet, 10 cents.

Atror-sanguineus — Blood-red. Packet, 10 cents.

Roseus — Pink. Packet, 10 cents.

Single Mixed — Packet, 5 cents.

Single Giant-Flowered Mixed — Packet, 10 cents.

Double Varieties

White — Packet, 10 cents.

Rose — Packet, 10 cents.

Blood-red — Packet, 10 cents.

Mixed — Packet, 10 cents.

Double Giant-Flowered Mixed — Packet, 15 cents.

Silene

1½ 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.

Sweet Williams

Salvia Splendens

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.

Maroon Prince — 2 feet. Particularly rich and royal color. A purple violet with a velvety sheen. Packet, 15 cents.

Verbena

Statice

Zurich — Early. The plants are dwarf and compact with large brilliant flower spikes. Packet, 15 cents.

Mixed — The above sorts and others. Packet, 10 cents.

Russian (Suworowi) — 1 Foot. Flowers bright rose color; valuable for winter bouquets. Packet, 15 cents.

Bonduelli — Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. Packet, 10 cents.

Sinuata Blue — Forming pretty rosettes of foliage from which rise branching flower stems 2½ feet high, light to dark lavender flowers. Packet, 10 cents.

Sinuata Rosea.

Sinuata White — Each, packet, 10 cents.

Helianthus

(Sunflower)

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

Annuals

Large Flowered Tall

Annus Purpureus, Gaillardia-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.

Argrophyllus — 4 feet. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. Packet, 5 cents.

Chrysanthemum Flowered Double — 6 feet. Golden yellow flowers. Packet, 10 cents.

Double Mixed — Packet, 5 cents.

Nanus Flore Pleno — 2½ feet. Double dwarf, beautiful for massing in beds. Packet 5 cents.

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

Miniature-Flowered Sunflowers

The Helianthus cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession.

Cucumerifolius — The first introduction of these charming small sunflowers; flowers rich golden yellow with brown-black center. Packet, 5 cents.

Stella — Large golden yellow petals; small, dark center. Packet, 5 cents.

Orion — Petals rolled, resembling Single Cactus Dahlia. Packet, 5 cents.

Double Hybrids — Double and semi-double flowers. Packet, 10 cents.

Liliput, Baby Sunflower — 6 to 8 inches. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disc. Packet, 10 cents.

Mixture — Includes all the above of cucumerifolius varieties. ¼ ounce, 20 cents, packet, 10 cents.

Perennials

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

Maximiliani — Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Packet, 25 cents.

Perennial Varieties, Mixed — Packet, 15 cents.

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.

Sunflower

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

White — Dense 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.

Hybrida 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.

Dwarf Mixed — 6 inch. Good for edging, making an even carpet of blossoms and leaves. Packet, 15 cents.

Citriodora (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.

Spencer Flowering Sweet Peas

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 Molcolm — Fine ecrise toned orange scarlet. Per packet, 10 cents.

Americo — 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.

Bolton's Orange — Rich orange salmon self. Per packet, 10 cents.

Constance Hinton — 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.

Dobbie'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.

Elfrida 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 rosy 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, ecrise sparkling with orange. Per packet, 10 cents.

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

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

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

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

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

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

Masterpiece — Clear lavender self, slightly flushed rose un 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 — Claret and chocolate stripe on light heliotrope ground. Per packet, 10 cents.

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

Zinnias

THE 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 mistaken their time and place of flowering. If you plant but one annual, plant this. The plants may be 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.

Dream—Deep lavender. Packet, 25 cents.
Old Rose—Art shade. Packet, 25 cents.
Exquisite—Light rose, center deep rose. Packet, 25 cents.

Golden State—Rich orange. Packet, 25 cents.

Scarlet Flame—Bright scarlet with blending of orange. Packet, 25 cents.

Monorch—Crimson giant. Packet, 25 cents.

Oriole—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

Alba—White. Appleblossom; Packet, 10 cents. Burnt Orange; packet, 10 cents. Isabellina—A beautiful cream yellow; packet, 10 cents. Golden Yellow. Flesh Color. Rose Shades. Scarlet. Jacqueminot—Blood-red;

packet, 10 cents. Violet. Zebra Striped—packet 10 cents. Lilac.

Each of above, except where noted, packet, 5 cents; any 3 5 cent packets, for 10 cents.

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 Shades, Shrimp Pink, Pink Shades, 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. ¼ ounce, 30 cents; packet, 10 cents.

Liliput Double

12 inches

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very

double flowers, hardly exceeding a daisy flower in size. Bloom all summer until late in the fall.

Scarlet Gem, packet 10 cents. White Gem, packet 10 cents. Golden Gem, packet 10 cents. Liliput Mixed, all colors, packet 10 cents.

Pumila Double

18 inches

Extra double flowers, produced on regular dwarf plants.

Snow Ball, packet 10 cents. Golden ball, packet, 10 cents. Pink Ball, packet 10 cents. Fire Ball, packet 10 cents. Old Rose, a very pleasing and charming shade, packet 10 cents.

Pumilo, 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.

Mexicano 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.

Mexicano 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)

SEEDLING PLANTS (Flat Grown)

The following plants are raised from the choicest grades of seeds, and will surely please the most particular. We will be able to supply them fresh from our greenhouse, from April 25 to June 15. They are extra strong, transplanted, flat-grown stock. If wanted by mail, add 10c per dozen for postage. Price: 75c per dozen; \$4.00 per 100.

*Asters—Mixed.	Lobelia—Blue.	Salvia.
Carnation—Marguerite.	Marguerite—Mixed.	*Snapdragon—Stocks—Mixed.
Cosmos—Mixed.	Marigold.	*Verbena—Mixed.
Fever Few—Mixed.	Petunia—Mixed.	*Zinnias—Mixed.
Double Daisy—	Phlox (Drummondii)	

*Marked varieties can be furnished in separate colors at same price.

POT GROWN PLANTS (From Cuttings)

Ready from April 15 to June 15. Priced by Express. If wanted by Mail, add 5c each or 40c a dozen.

Begonia Vernon—Bright red each 25c; \$2.00 doz. from 2½ inch pots.

Coleus—Assorted varieties—each 25c; \$2.00 doz. from 2½ inch pots.

Geranium, Double — Asst'd colors., each 30c; \$3.00 doz. 3 inch pots.

Geraniums, Variegated—Border. Each 25c; \$2.00 doz. from 2½ inch pots.

Geranium, Ivy Leaved—Assorted, each 30c; \$3.00 doz., 3 inch pots.

Geranium, Martha Washington, each 35c; \$3.50 doz., 3 inch pots.

Summer Flowering Bedding Plants Liberty Park, Salt Lake

Petunia, Giant Double Fringed —25c; \$2.00 doz., 2½ inch pots.

Petunia, Single Fringed each 25c; \$2.00 doz., in 2½ inch pots.

Variegated Vinca—Foliage mottled, each 25c; \$2.00 doz., 2½ inch pots.

Senecio Scandens (Parlor Ivy) —each 25c; \$2.00 per doz., 2½ inch pots.

Snapdragon—each 25c., \$2.00 doz., from 2½ inch pots.

Above prices do not include delivery charges. If by mail add 5c each, 40c per doz; extra for postage.

SUMMER FLOWERING BULBS

We grow and offer only the most sorts. They are inexpensive, easily grown, require little care, and make a rare and gorgeous display. They cannot fail to give satisfaction.

CALADIUM OR ELEPHANT EAR

One of the most easily grown plants for the lawn or flower borders. It will thrive in any ordinary garden soil but to get the best results, 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.

CALLA (Golden Yellow)

This splendid new variety has found a hearty response with all. The flowers are as large and the same shape as the old white variety but of a rich golden yellow; foliage is dark green spotted cream, with a truly striking plant and much admired everywhere. Large bulbs 35c each; \$3.50 per doz., postpaid.

CINNAMON VINE (Dioscorea Batatas)

A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy green. Growth is very rapid, often running twenty-five to forty feet. Quite hardy. Each 15c; \$1.50 per dozen postpaid.

MADERIA VINES

One of the best and most popular climbers, not for flowers, which is insignificant, but for its leaves, which are small, dark green and very dense. Vine is of slender growth and will succeed in any location, doing best, however, in a sunny, sheltered place. Not hardy, and roots should be taken up in fall. Strong tubers. Each 15c; \$1.50 per dozen, postpaid.

LILIES

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better.

Auratum (Gold Branded)... Flowers white, dotted crimson, with a clear golden band running through the center of each petal very fragrant. Each 45c; 3 for \$1.20, postpaid.

Speciosum Rubrum (Crimson Branded). White, with a deep rosy crimson 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 \$2.50, postpaid.

CANNAS

The Canna is one of the most beautiful of all bulbous plants. It has long been a great favorite, and since the introduction of many varieties their value has been greatly increased by adding to the already attractive foliage and large flowers of the most brilliant colors, so that they are now indispensable. No plant is better adapted to our climate. 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 an abundance.

Chas. Henderson—Crimson flowers, green foliage, height 4 feet.

David Harum — Crimson, flowers, bronze foliage, height 3½ feet.

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

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

Florence Vaughn—Flowers yellow spotted brown, bronze foliage height 5 feet.

Mad Crozy—Flowers vermilion with gold eye, green foliage, height 3¼ feet.

Mount Blanc—Pure white flowers, green foliage, height 4 feet.

King Humbert—Orange-scarlet flowers, bronze foliage, height 4½ feet.

Price: Dormant Roots; any of above 20c each; 2 for 35c; \$2.00 per dozen, postpaid.

Canna Plants—Strong well established pot grown plants ready in May of the above named varieties 35c each; \$3.50 per doz. Shipped by express only.

Florence Vaughn Canna

GLADIOLUS (*Sword Lily*)

These are the most attractive and useful of all summer-flowering bulbs, and as a cut flower all through the summer months and well into the autumn they hold a place that cannot be taken by any other flower. Our list comprises only the best both in mixture and in named sorts.

A succession of bloom may be had from July to October by making plantings two weeks apart to the end of June. To make a good show they should be planted from three to four inches apart each way, the large bulbs being covered about six inches deep, small ones from three to four inches. Six and over furnished at dozen rates; 25 and over 100 rates.

America—A beautiful soft pink. For florists' use it has no equal. Each 7c; per dozen 70c; \$4.00 per 100, postpaid.

Blue Jay (Baron Hulot)—The only real blue Gladiolus on the market. Each, 10c; dozen, \$1.00; \$7.50 per 100, postpaid.

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

Halley—Large open flowers of a delicate salmon pink; very early. 7c each; 75c per dozen; \$4.50 per 100, postpaid.

Mrs. Frances King—A striking shade of scarlet. Each, 8c; doz., 75c; \$5.00 per 100, postpaid.

Mrs. Frank Pendleton—A lovely salmon pink with brilliant deep red blotches in the throat. Each, 13c; dozen \$1.25; \$8.00 per 100, postpaid.

Panama—Solid deep pink. Each 10c; dozen \$1.00; \$7.50 per 100, postpaid.

Niagara—Beautiful cream, blending to yellow, throat splashed with carmine. Each, 10c; doz., \$1.00, Postpaid.

Schwaben—A clear canary-yellow with a small blotch of deep garnet in the throat. Each, 10c; dozen, \$1.00; \$7.50 per 100, postpaid.

Peace—Immense pure white flowers with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. 10 cts. each; \$1.00 per dozen; \$7.50 per 100, postpaid.

War—A magnificent dark variety with tall spikes well filled with large flowers of a rich blood-red shaded with crimson-black. 12c each; \$1.25 per doz; \$8.00 per 100.

Yellow Hammer—Pure yellow, lightly marked with red in the throat; a beautiful variety for cutting. 12c each; \$1.25 per dozen; \$8.00 per 100, postpaid.

Primulinus Hybrids—Distinct from the usual run of Gladioli, being of more slender growth, the orchid-like flowers set airily on the slender yet strong spikes, the range of colors is brilliant and beautiful. Mixed colors—7c each; 60c per doz; \$4.00 per 100, postpaid.

P.-W.'s Superb Mixed Gladioli

P.-W.'s Superb Mixed—Our special mixture from the best named and hybrid Grandavenis, Childsii and European types. A well blended combination of all colors, shades and combinations. Dozen, 50c; \$3.50 per 100, postpaid.

DAHLIAS

Plant when danger of frost is over. If possible plant in an open, sunny situation. Prepare the soil thoroughly by deep digging. Be moderate in the use of both manure and water. Never plant when soil is

wet. Lay the tuber flat on its side and cover it four inches deep, pressing the soil firmly on the tuber. Keep the soil loose and mellow by frequent hoeing. drawing the soil to a slight hillock around the plant.

P.-W. S Novelty and Special Merit Dahlias

Each one a perfect gem and a leader in its color and class. It is certainly a "Garden Beautiful" collection that will prove a source of delight and pride to the most critical Dahlia Fancier.

Attraction—(Hybrid Cactus) Large, elegant flowers of a clear lilac rose; long, strong stems. It is an exhibition and garden sort of rare merit. \$1.00 each postpaid.

George Walters—(Hybrid Cactus) One of the largest of all Dahlias; measures from 7 to 9 inches without disbudding. Stems very long and wiry. Color, salmon pink, shaded to old gold. One of the best Dahlias grown. Will pass in either cactus or decorative class. \$1.00 each, postpaid.

Jessie Seal (Peony Flowered)—A unique color in the Dahlia family, clear old rose. A pleasing and popular shade. Flowers very large and of ideal peony form. Stems often 2 feet in length, yet strong and erect. No better general purpose Dahlia grown.

Kalif. (Hybrid Cactus). A truly majestic flower, frequently measuring over 9 inches in diameter, of perfect form; in color a pure scarlet, stiff stems, making it a most effective and useful variety for cutting as well as for garden decoration. \$1.00 each, postpaid.

Millionaire (Decorative type)—Gold Medal Dahlia of daintiest colorings. Most delicate lavender with faint pink cast overshadowing it, the whole having a blending of white. \$1.50 each, postpaid.

Miss Helen Hollis, Gigantic Scarlet Show Dahlia. A sensational wonder and undoubtedly the largest and best deep scarlet Show Dahlia in existence. 50c each, postpaid.

Latona. New Holland Peony-flowered Dahlia. An unusual blending of orange, buff and yellow. Flowers are nearly full to the center, and produced freely, upon good stems. \$1.00, each, postpaid.

Le Grande Lilas (Peony Flowers)—An immense royal purple holding its slightly twisted broad petals erect on strong stems often measuring 20 inches long. A wonderful Dahlia. \$1.00 each, postpaid.

Pride of California. (Decorative) Called the "American Beauty" Dahlia. Winner of Gold and Silver Medals. Huge crimson red flowers produced on long straight stems. \$1.00 each, postpaid.

Sweetheart's Boquet—(Peony Flowered)—A perfect flower of the popular peony type. In color an unique shading of salmon rose, shaded with fawn; pleasing alike in both day and artificial light. Flowers are very large and stems extra long and wiry. One of the very earliest to bloom and continues throughout the season. Price, 50c each, postpaid.

P.-W.'s Dahlia Collection No. 1—Your selection of one each of any six of the above named novelty and special Merit Dahlias, \$5.00, postpaid.

Type of Peony Flowered Dahlia

Pompon Dahlias

These miniatures are very attractive for cut flowers. The plants produce a wealth of bloom during the entire season. See cut page 43.

Madeline—Pale primrose edged purple. **Amber Queen**—Amber, shaded apricot. **Catherine**—Bright yellow.

Prince Charming—Cream tipped purple. **Snowhead**—Fine white.

Sunbeam—A fine crimson.

Pure Love—Beautiful lilac.

Price—Any of above 20c each; \$2.00 per dozen, postpaid.

Typical Cactus Dahlia

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 \$3.50.

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

Dainty—Rosy pink, shaded to pale lemon. Very good. Each 25c; Dozen \$2.50.

Harbor Light—A handsome variety, with large, fine form; petals long and narrow, dark red with shading of apricot in the center. Each 25c; Dozen \$2.50.

Golden Gate—One of the finest golden yellow. It is first-class in every way. Each 35c Dozen \$3.50.

P.-W.'s Dahlia Collection Offer No. 2—Your selection of one each of any six of above named Cactus Dahlias for \$1.50, postpaid.

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

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

Libelle—(Straight). Clear, deep rose-purple. Each 25c; Dozen \$2.50.

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

Perle De Lyon (Hybrid). A pure white, petals fringed or nicked, 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. All prices prepaid.

Chicota—An ideal golden yellow of large size and exceptionally long stems. Each 50c; Dozen \$5.00.

Delice—A beautiful glowing rose pink. Each 25c; Dozen \$2.50.

Jack Rose—Brilliant crimson red. Each 25c; Dozen \$2.50.

Mrs. Bagge—Beautiful in both form and color. A pleasing old rose color. Flowers large and full, stems long and erect. Each 25c; Dozen \$2.50.

Mrs. Thos. Burch—Rich old gold, sometimes marked with pink shading to fawn. Each 25c; Dozen \$2.50.

P.-W.'s Dahlia Collection No. 3—Your selection of one each of any six of the above named Decorative Dahlias, \$1.50 postpaid.

Mrs. Hartong—Very large and exquisite form. Color, light fawn, suffused with pink. Very handsome. Each 25c; Dozen \$2.50.

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

Mina Burgle—Dark vivid red, produced on good stems. Each 50c; Dozen \$5.00.

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

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

Type of Decorative Dahlia

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.

Duke Henry—Brilliant red. Large broad petals. Very free bloomer. Each 25c; Dozen \$2.50.

Geisha—A rich combination of scarlet and gold, shaded to amber yellow. Each 50c; Dozen \$5.00.

Freda Newman—Bright orange bronze margined with old gold. Long stem, excellent for cutting. Extra fine. Each 25c; Dozen \$2.50.

Kai Ora—Flowers large rosy-pink, borne on long graceful stems. Height 4 feet. Each 25c; Dozen \$2.50.

Laura Barnes—Immense orange red flowers fluffing to all. Each 50c; Dozen \$5.00.

P.-W.'s Dahlia Collection Offer No. 4—Your selection of one each of any six of the above Peony Flowered Dahlias for \$2.00, 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. Bystein—Very beautiful pure lilac lavender. Each 50c; Dozen \$5.00.

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

Souvenir Franz Liszt—Dark purple, maroon. Veined and shaded with white. Each 25c; Dozen \$2.50.

Typical Show and Fancy Dahlia

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. Livoni—Perfectly round ball shaped flowers, petals regular and tightly quilled. Beautiful soft pink. Each 25c; Dozen \$2.50.

Fire Ball—Deep glowing fiery scarlet. Very attractive. 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.

P.-W.'s Dahlia Offer No. 5—Your selection of one each of any six of the above named Show and Fancy Dahlias for \$1.25, postpaid.

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.

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

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

Pompon Dahlia

Hardy Perennial Plants

Perennials have never been so popular as they are at the present time. Their permanency appeals to all. They are planted once and are always there; living through the winter with little or no protection, the flowers become better as plants grow older. Our prices are for field grown plants. If by mail, add 5c each, 30c per dozen, postage and packing charges.

Alyssum Saxatile Compactum (Basket of Gold)—An indispensable plant for the rockery or border, growing one foot high and producing early in the summer masses of broad, flat heads of bright yellow flowers.

Arahis (Rock Cross)—Blooms in April and May. Star shaped white flower in masses covering plant.

Chrysanthemums (Old Fashioned Large Flowering)—In four colors—red, white, pink and yellow.

Dianthus Barbatus (Sweet William)—Blossoms most all summer.

Delphiniums (Hardy Larkspur)—Very graceful, with long spikes of bright flowers; assorted colors.

Digitalis (Fox Glove)—A very ornamental plant, growing to about three feet high; assorted colors.

Feverfew Little Gem (Matricaria)—Large double, white flowers; June until October; 12 to 15 inches high.

Forget-Me-Not (*Myosotis Alperis*)—Low growing, producing an abundance of fragrant small blue flowers.

Gaillardia Grandiflora—A mass of blooms the entire season. Flowers are dark red-brown with petals of orange or crimson.

Gypsophela Paniculata (Baby's Breath)—A mist of single white flowers.

Adapted for rock gardens and edging.

Anchusa—Blooms from June to September, small blue panicles.

Campanula—In several varieties, including the Canterbury Bell.

Campanula—In several varieties, Assorted colors.

Coreopsis Lanceolata—Flowers are bright golden yellow.

Hardy Garden Pinks—Assorted colors.

Hibiscus, Giant Mallow Marvels—Crimson, white and pink flowers in August and September.

Hollyhocks—Handsome double improved varieties of this flower make it a great favorite. Assorted.

Iberis (Hardy Candy Tuft)—Flowers in pretty white clusters in May and June.

Linum (Blue Flax)—Graceful, blue flowers all summer.

Lobelia Cardinals (Cardinal Flower)—Flowers from July to September; color, fiery, scarlet; height two feet.

Lychnis (Jerusalem Cross)—Brilliant orange scarlet flowers in June and July. Myrtle). Splendid for shady places.

Poppy, Hardy Oriental—Large flowers, bright red.

Platycodon (Baloon Flower)—Deep blue flowers July and August.

Penstemon (Bearded Tongue)—Mixed colors, useful for either border or rockery.

Effective Planting of Hardy Perennials

Physostegia (False Dragon Head)—Erect bushy plants, very showy rose purple flowers in July and August.

Pyrethrum (Aliginosum Giant Daisy)—Very attractive daisy like flowers.

Rubeckia (Golden Glow)—Height four to six feet, brilliant golden-yellow color during August and September.

Statice (Great Sea Lavender)—Covered with minute purplish blue flowers in July and August. If cut and dried lasts in good condition for months.

Shasta Daisies—Burbank's new varieties.

Violets—Hardy sweet-scented blue.

Vinica Minor (Periwinkle or Trailing

Stokesia Cyanca (Cornflower Aster)—Bright lavender blue Aster like flowers flowering from June until Fall.

Price Any of Above 25c per clump; \$2.50 per dozen. If by mail add 5c each or 30c per dozen for packing and postage.

We carry a full line of bulbs for fall planting ready in September, such as Hyacinths, Tulips, Crocus, Narcissus, Daffodils, Lilliums, Phlox, Peonies, etc. Ask for Fall Bulb List; Mailed Free on Request.

Attractive Border of Hardy Phlox

Double Peonies

The roots should be placed so that the crowns are covered with two or three inches of soil. Too deep planting is a frequent cause of shy flowering. We list below for spring delivery three of the leading named varieties, prices include postage.

Edulis Superba—Decoration Day Peony. A beautiful clear pink. 60c each; \$6.50 per dozen.

Felix Crousse—Large, ball-shaped, brilliant red. 90c each; \$9.00 per dozen.

Festiva Maxima—The finest white in cultivation. 60c each; \$6.00 per dozen.

Mixed Double Peonies—White, red and pink. 50c each; \$5.00 per dozen

Hardy Phlox

Phlox succeed in almost any soil and position. They should be planted in October or November, or in the very early spring.

B. Compte—A glowing French purple.

Mrs. Jenkins—The best white variety.

Henry Marcel—Red, shading bright salmon.

R. P. Struthers—Rose carmine red eye.

Price—Any of above, 35c each;

\$3.50 per dozen, postpaid.

Flag Iris

Great drought resisters, succeeding in very dry situations where most other plants fail. We offer the followings colors: Blue, Yellow, White, Lavender, Bronze, and Mixed. Price: Strong Divisions, 15c each; \$1.50 per dozen, postpaid.

Lilly of the Valley

Ideal for planting outside in shady places. Ordinarily the pips can be furnished for late fall or very early spring planting. Strong pips 75c per dozen; \$1.35 for 25; \$5.00 per 100, postpaid.

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.

AMPELOPSIS ENGELMANII—New Virginia Creeper—A new variety of American Ivy which has long been desired. It has shorter joints and very much small and thicker foliage. It also is better equipped with tendrils, by which it will climb walls of stone or brick as closely as the Boston Ivy. Will grow in almost any soil and withstand drought and heat well. Each 60c; Dozen \$6.00.

AMERICAN IVY—Virginia Creeper or Woodbine (*Ampelopsis Quinquefolia*)—A strong, rapid grower; foliage large, dark green; in autumn, bronze and crimson. Valuable for covering back porches, outbuildings, arbors, etc. Perfectly hardy everywhere, and will grow in any soil and situation. Each 50c; Dozen \$5.00.

BOSTON OR JAPAN IVY—*Ampelopsis Veitchii*—One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. Each 75c; Dozen \$7.50.

BIGNONIA RADICANS—Trumpet Vine—Dark red-orange throat; free blooming, very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired, it will be found useful. Each 70c.

CELASTRUS SCANDENS—Climbing Bitter Sweet—A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Each 75c; Dozen \$7.50.

CLEMATIS—

Paniculata (Virgin's Bower)—This is hardy in all parts of the United States. The blossoms are pure white, very fragrant, and borne in great clusters or bunches, covering the plant almost completely, enough to hide the glossy, rich green foliage. Each 75c; Dozen \$7.50.

Jackmanii—This is the best of all large flowering varieties. Color, a deep violet purple. A strong rampant grower succeeding well in all localities. Each \$1.00; Dozen \$10.00.

IVY (English)—Valuable for covering graves. Grows well in shade. Each 60c; Dozen \$6.00.

HONEYSUCKLES—

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

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 Twining)—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 Thunbergiana* or Jack-and-the-Bean-Stalk—In rich soil will grow seventy feet in one sea-

Boston Ivy—Mayor Williams residence, Centerville, Utah

son. 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 woolly. Fine for porches, arbors, old trees, etc. Each 75c; Dozen \$7.50.

WISTARIA—

Chinese Wistaria (*Wistaria Chinesis*)—A rapid growing tall vine with handsome foliage and flowers. Flowers pea-shaped, purplish, profusely borne in dense, drooping clusters 7 to 12 inches long, opening in midspring. 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.

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.

Althea (Rose of Sharon). (A)—A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. Double pink, red or white. 3-4 feet 85c; \$9.00 per doz. 2-3 feet 55c each; \$6.00 per dozen; \$45.00 per 100.

Berberis Thunbergii (Japanese Barberry). C—Beautiful shrub for hedges border, screens or general purposes. Very

compact and needs no attention with the shears, though, if desired it is as susceptible to formal pruning as Privet or Boxwood. Dainty fern-like foliage in spring and summer is a rich green changing in the autumn to brilliant scarlet and gold. Following the close set, white flowers are the scarlet oval berries which are borne into the winter. Two-year, 12 to 18 inch shrubs, 55c each; \$6.00 per Dozen; \$40.00 per 100.

Buddleia Variabilis Veitchiana (Butterfly Shrub or Summer Lilac). One of the most desirable summer flowering shrubs, beginning to bloom in July, it continues until cut by severe frost. The flowers are of a pleasant shade of violet mauve, and are borne in dense cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted. Each \$1.00; Dozen \$10.00.

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

Althea (Hib Syriacus)

Golden Bells (Forsythia Fortunei)

Hydrangea (Paniculata Grandiflora)

Hardy Ornamental and Flowering Shrubs (Continued)

The shrubs offered in this list are strong 2 year old Field Grown, 2 to 4 feet depending on variety. Unless otherwise specified, Price 85c each; \$9.00 per dozen.

CARAGANA SIBERICA (Siberian Pea Tree). (A)—Grows eight to ten feet high, compound leaves bright green; numerous small clusters of yellow flowers.

CORNUS (Red Siberian Dogwood). (A)—Produces cream colored flowers in June, light blue fruits, and bright red twigs and branches. Each 85c; Dozen \$9.00.

CRANBERRY (Highbush). (B)—Hardy as a rock and most desirable, combining the ornamental with the useful. Blossoms white, single and showy; beautiful fruit clings to the branches in winter.

CYDONIA (Japan Quince). (B) Japonica—A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable

ornamental hedges. 85c each; Dozen \$9.00.

DEUTZIA. (B)—Hardhood, fine habit luxuriant foliage and profusion of attractive flowers render this among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August.

Crenata—Rosea Plena—Double light pink; very desirable tall shrub.

Gracilis—A favorite dwarf bush, covered with spikes of pure white flowers.

Pride of Rochester—Fine, tall growing double white flowering variety.

FLOWERING ALMOND (Amygdalus)—(B)—One of the early blooming shrubs, producing handsome little flowers in great profusion. It is one of the most beautiful little shrubs we have Double

Red, \$1.00 each; Double White, \$1.00 each.

FORSYTHIA (Golden Bell) (A)—This is a pretty shrub of medium size. Native of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves.

Fortunei—Strong erect habit; bright golden-yellow flowers in early spring. 60c each.

Suspensa (Weeping Golden Bell)—Tall willowy growth, branches gracefully arching, covered with golden yellow bells.

GOLDEN LEAVED ELDER—The best of all the colored leaved shrubs. A plant of this bush in a bed, of a border on the lawn is a conspicuous feature, the foliage being as yellow as gold.

SEE BACK COVER PAGE FOR VALUABLE INFORMATION ON SHRUBS

Privet Hedges and Archway

HONEYSUCKLE UPRIGHT TARTARIAN (Lonicera Tartarica) (B)—The best known of all the Bush Honeysuckles. Grows with upright, somewhat spreading, branches and bright green foliage. The flowers are borne freely in May and June, followed by showy red berries. We stock white, pink and red varieties.

Morrowi—A handsome Japanese variety, with white flowers during May, but especially valuable for its bright red fruit during the summer and autumn months.

HYDRANGEA Arborescens Grandiflora (Snowball Hydrangea) Snow white blossoms of largest size; flowering from early June until late July. Each \$1.00; Dozen \$10.00.

HYDRANGEA, Paniculata Grandiflora—Unsurpassed 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)—Grandiflora—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 grow in any soil.

PRIVET FOR HEDGES (English)—Extremely hardy, very easy to grow, and makes a splendid green foliage. Always free from insects. As well as being the cheapest, privet is the prettiest hedge that can be had. 18-24 inches Dozen \$1.25; 50 for \$1.50; \$8.00 per 100. 2-3 feet Dozen \$1.50; 50 for \$5.50; \$10.00 per 100.

SNOWBALL (Viburnum)—Japanese Plicatum)—A valuable improvement on the common Snowball; the flowers are smaller more numerous, frequently as many as twenty balls on a stem 18 inches long.

Common (Sterilis)—Too well known to need description.

Any of above not specially priced 85c each; \$9.00 per dozen. If by mail add 15c each extra for postage. We strongly recommend express shipments where possible.

Lilac (Syringa)

Weigelia Rosea

Snowball

HARDY SHRUBS (Continued)

SPIREAS—

Anthony Waterer. Color bright crimson; dwarf, dense growth never exceeding 30 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.

Van Houtii (Bridal Wreath)—Pure 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.

Racemosus (Snowberry) (B)—A graceful shrub, 3 to 5 feet tall with slender branches. Flowers white or pinkish, in loose racemes, in summer.

Vulgaris (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.

SYRINGA—

Philadelphus Coronarius 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.

WEIGELIAS (Diervilla)—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.

Candida—White flowering, flowering throughout the summer.

Eva Rathke—A charming brilliant crimson; flowering throughout the summer.

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.

Amurense—Shrub of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

P-W'S HOME GROWN ROSES

Roses are a specialty with us. 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 month of June and again in August and September.

P-W's Red American Beauty—Same habits of growth and bloom as the popular forcing American Beauty.

American Beauty White (Frau Karl Druschki)—Best snow-white rose, immense in size and hardy everywhere.

George Ahrends—Clear brilliant pink, good bud and perfect form flower.

Mrs. John Laing—Very delicate pink.

Paul Neyron—Immense 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.

Price on any of above—85c each; \$9.00 per dozen. All charges prepaid.

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

very beautiful. They are useful, either for pot culture or bedding purposes or for hedge effects.

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 Savell—Very beautiful dazzling crimson with white eye.

Erna Teschendorf—A deep crimson flushed with carmine.

White Baby Rambler—Same habits of growth as Crimson Baby Rambler. Color pure white.

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

Baby Orleans—Brilliant geranium-red suffused with rose as the flowers mature; large white center.

Price on any of above—85c each; \$9.00 per dozen. All charges prepaid.

Full Directions for Care and Planting Free With Each Order

It is very easy to transplant trees, shrubs and roses successfully if these directions are followed.

White American Beauty

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: 85c each, \$9.00 per dozen, charges prepaid, strong, healthy 2 year old dormant roots.

Betty (H. T.)—Color coppery-rose shaded gold: 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.

Hoosier Beauty—Beautiful, well-shaped, long buds; color intense, rich, dazzling crimson-scarlet; deliciously fragrant. Price \$1.00 each.

Irish Fire Flame (T.)—Closed bud fiery 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.

Irish Fire Flame (H. T.)—Closed bud fiery 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.

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.

Kaiserine 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.

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

Los Angeles (H. T.)—Luminous flame-pink toned with coral and shaded with translucent gold at the base of the petals. Buds long and pointed, expanding to a flower of mammoth proportions. Beautiful from the opening bud until the last petal drops. Price \$1.25 each.

New Rose Wm. F. Dreer

Typical Everblooming Rose

Lyon Rose (Perentiana) (H. T.)—Flowers large, full and double, of remarkable substance, shrimp-pink, edges of coral-red or salmon-pink, shaded chrome-yellow. Very fragrant. A constant bloomer; perfectly hardy. Price \$1.25 Each.

Lady Hillington (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 coral-red, shaped with yellow at the base, the open flowers of medium size, semi-double, are of a superb coral-red, shaded with yellow and bright rosy-scarlet passing to shrimp-red. 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."

Mrs. Charles Russell (H. T.)—The bud is fully as large as American Beauty but longer and pointed; color of a 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 Maman Cochet* (T.)—The buds are large, full and firm, elegantly pointed, showing depth and richness as they expand; clear rich pink, changing to silvery-rose.

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

Price of above, except where otherwise noted, 85c each; \$9.00 per dozen. All prices prepaid.

P-W'S Everblooming Roses (Continued)

Red Radiance (H. T.)—An ideal bedding Rose that continues to produce its large flowers throughout the season, even during the most unfavorable hot summer weather, when many varieties fail; in color a bright, clear cerise-red. Each \$1.00.

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. Dreer (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, it reminding 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, silvery 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 \$1.50.

White Killarney (H. T.)—A pure white sport of the famous and popular Killarney 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.

Gruss An Teplitz—Blooms from June to Snow

P-W'S Hardy Climbing Roses

These roses are suitable for planting where they can climb on walls, fences, galleries, pillars, pergolas, arches, etc.; in fact, wherever a hardy climber is required.

Price of any on this page, except where noted, 85c each, 12 for \$9.00; two year old finely grown shrubs; all charges prepaid.

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 Cecil 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. Highly 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.

Dorothy Perkins—Beautiful shell-pink color, which holds for a long time, finally fading to a lovely deep rose; very sweet scented.

Excelsia or Red Dorothy Perkins—A brilliant Crimson Rambler flower on glossy, varnished Wichuriana foliage.

Ever Blooming Rambler, or Flower of Fairfield—This is a much-heralded ever-blooming Crimson Rambler; deep crimson in immense clusters.

Lady Gay—A most desirable variety of remarkable vigorous growth, with flowers of a delicate cerise-pink, passing to soft-tinted pink.

Paul's Scarlet Climber—No other Rose, in any class, can compare with this for brilliancy of color which is maintained until the petals fall. It is of strong climbing habit and perfectly hardy. This is one of the most popular red climbing Roses.

Silver Moon—Pure white with clear yellow stamens.

Shower of Gold—Double golden-yellow a free bloomer.

White Dorothy Perkins—Some habit of bloom as Red and Pink Dorothy Perkins.

Climbing Kaiserine Augusta Victoria
2nd year from planting

P. W.'s INTRODUCTORY ROSE OFFER
Of Ten Everblooming for Your Rose Garden for \$7.00

Winnie Davis—Apricot pink.

Duchess of Wellington—Copper-yellow.

Red Radiance—Deep, rich crimson.

Gruss An Teplitz—Dark crimson-red.

Kaiserin Augusta—Blush-white.

Mrs. Chas. Russell—Wonderful deep rose-pink.

Sunburst—Orange-yellow.

White American Beauty—Pure white.

Paul's Scarlet Climber—Red.

American Pillar—Pink.

One each of above ten choice 2 year old dormant shrubs for \$7.00, Postpaid

ORNAMENTAL TREES

A city street is not attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns a city more than fine shade trees, and the effect is much better when only one kind of a tree is planted on the same street, or at least, on the same block.

Prices are for different sized trees, all f. o. b. our Nurseries or Salt Lake City, and in all cases good value will be given, according to price charged. Ten per cent discount on orders of 5 trees or more of one variety and size. Special prices made on lots of 100 up. Dozen price is ten times the each price.

AILANTHUS—Tree of Heaven—A. Glan-
dulosa. T.—A rapid growing, lofty tree,
long, elegant foliage. Exempt from dis-
ease and insects. Useful tropical effects.
6-8 feet \$2.00 each.

ASH—American White. A rapid growing
native tree of fine symmetrical outline. A
valuable street or park tree. Timber is
largely used. Price, 6-8 ft., \$1.25 each;
10-12 ft., \$2.00.

Ash Green—Shapely round top with dark
green foliage. Price 6-8 ft., \$1.50 each;
8-10 ft., \$1.75 each.

BIRCH (Betula Alba) European White
Birch. T.—Of which Coleridge says "Most
beautiful of forest trees, the lady of the
woods." 6-8 feet \$2.00 each; 8-10, \$3.00
each.

CATALPA Bungei (Umbrella Tree)—
These beautiful globe-shaped tops being
grafted high on clean straight stems form
one of the most valuable trees for land-
scape designing especially for formal ef-
fects. Fine 2-year-old heads, \$3.00 each.

CATALPA Speciosa (Western Catalpa)
—Rapid grower producing large panicles
of fragrant flowers, delicately marked with
violet and yellow, 6-8 feet, \$1.50 each.

ELM American (Ulmus Americana)—
Tall and stately with a graceful, wide-
spreading form (vase-like), densely covered
with a rich, bright green foliage. 6-8 ft.
\$2.50 each; 10-12 ft., \$3.00.

ELM English (Ulmus Campestris)—A na-
tive of Europe; a noble, rapid-growing
tree, forming a dense head; a desirable
tree for streets, avenues, etc. 6-8 ft., \$2.50
each; 8-10 ft., \$3.00 each.

HORSE CHESTNUT. European—Showy
foliage; white flowers in upright panicles.
6-8 ft., \$3.00 each.

LINDEN, American (Tilia Americana)—
Basswood. Shapely trees, with large hand-
some foliage. Flowers creamy-white and
very fragrant. 6-8 ft., \$2.00; 8-10 ft.,
\$3.00 each.

LINDEN, European (Lime Tree)—Pyra-
midal shape, smaller foliage than Ameri-
can Linden, white flowers in June. 6-8
ft., \$2.00; 8-10 ft., \$3.00 each.

MOUNTAIN ASH European (Sorbus Au-
cuparia)—White flowers followed by bril-
liant red berries. 8-10 ft., \$3.00 each.

Colorado Blue Spruce

CRAB (Bechtels Double Flowering—
most beautiful of all the flowering Crabs;
hardy, of medium size covered in early
spring with large, beautiful double, frag-
rant flowers, resembling small roses of a
delicate pink. Ideal for a small yard.
3-4 feet, \$2.00 each.

GOLDEN CHAIN (Cytisus Laburnum)—
A smooth and shining foliage. The name
Golden Chain alludes to the length of the
drooping racemes of yellow flowers, which
appears in June. 4-6 ft., \$1.50 each.

MAPLE Ash-Leaved or Box Elder (Acer
Negundo).—A fine, rapid-growing avenue
tree; withstands both cold and drought.
8-10 ft., \$1.25 each; 10-12 ft., \$1.50 each.

MAPLE Silver (Dasyarpum)—A large
tree with wide-spreading branches and
drooping branchlets. Very fast grower,
makes dense shade and thrives in any soil.
8-10 ft., \$1.50 each; 10-12 ft., \$2.00.

MAPLE Norway (Plantanoids)—A large
handsome tree, of spreading rounded form,
with shiny, deep green foliage. Usually
very symmetrical. One of the most desir-
able species for the street, park or lawn.
8-10 ft., \$2.50; 10-12 ft., \$3.00 each.

MAPLE Schwedleri—Red and purple con-
trasts brightly with the delicate green of
other trees. In mid-summer they are pur-
plish green, in autumn golden yellow.
6-8 ft., each \$2.50; 8-10 ft. \$3.25 each.

MAPLE, Sugar—Straight, spreading,
symmetrical. Rich autumn tints of clear-
yellow and scarlet. 6-8 ft., \$2.00 each.

JUDAS TREE (Cereis)—Striking orna-
mental trees loaded with a mass of pea-
shaped pink blossoms in early spring,
before the leaves appear. 4-5 ft., \$2.00 each

PLANE (Oriental Plane or European
Sycamore)—One of the finest trees for
street or lawn, with fine, straight trunk,
handsome symmetrical head and beautiful
foliage. 6-8 ft., \$2.00; 8-10 ft., \$3.00 each.

POPLAR (Bolleana)—A tall columnar
rapid growing, hardy tree. Leaves trian-
gular, the borders serrate, glossy green
above and silvery beneath. 6-8 ft., 75c
each; 8-10 ft., \$1.00 each; 10-12 ft., \$1.25
each.

POPLAR (Carolina Poplar)—Of rapid
growth. Very desirable when quick shade
is wanted. 6-8 ft., 50c each; 8-10 ft., 75c
each; 10-12 ft., \$1.25 each.

FLOWERING PLUM Purple-Leaved
(Prunus Pissardi)—Handsomeness form, with
rich purple leaves, which retain their
color the best of all purple-leaved trees
and recommended where colored foliage is
desired. Covered in early spring with
beautiful white flowers, later with wine-
red fruits. 4-6 ft., \$1.50 each.

THORN, Double Flowering Hawthorne
(Crataegus Oxyacantha fl. pl.)—The double
form of the fragrant English Hawthorn;
flowers in May and June. 3-4 ft. high,
Double pink, double red, 4-6 ft., \$1.50 each.

WEeping TREES

Birch—Cut leaved, 6-8 ft., \$3.00 each.

Elm—Camperdown, 2-year head, \$3.50 each.

Mulberry—Teas Weeping 2 year head, \$3.50.

Willow—Babylonica 6-8 ft., \$1.75 each.

Weeping Mountain Ash, 2-year heads \$3.50

HARDY EVERGREENS

Arborvitae—American—A shapely tree,
foliage fresh, vivid green, mellowing to a
softer shade on the under side of leaf,
turning in water to a bronze. 2-3 ft., \$4.00
each.

Arborvitae, Pyramidal—Very hardy variety
narrow, columnar shape exceptionally
attractive. Specimens. 2-3 ft., \$6.00 each;
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., \$7.00
each; balled, 18-24 in. high, \$5.00 each.

Irish Juniper—Forms dense, close, col-
umnar tree, 15 to 20 feet in height. The
branches regular, very compact and den-
sely covered with a rich, deep green foli-
age. 2-3 ft. high, \$3.50.

Catalpa Bungei

CATALPA (SPECIOSA)

ELMS LINDEN

SILVER MAPLE

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 all trees and other stock that may prove untrue to label, free of charge, or refund the amount paid. It is mutually understood and agreed to between the purchaser and ourselves, however, that our guarantee of genuineness shall, in no case make us liable for any greater sum than that originally paid by us for the trees, etc. which may prove untrue.

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, 85c Dozen \$8.00; Fifty \$22.50; Hundred \$40.00, not prepaid.

Mail Size—2-4 feet, each 75c; Dozen \$7.00, Postpaid. **Special Mail Size**—2-3 feet, each 50c; Dozen, \$4.50. 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.

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

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

Jonathan

Winter Banana—Flesh golden-yellow; fine grained and juicy.

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

Autumn Varieties

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

Twenty Ounce Pippin—Very large, showy, striped.

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

Wolf River—Light yellow, with stripes and splashes of bright red; good cooker.

Crab Apples

Same Prices as Apples

Hyslop—Fruit deep crimson, covered with blue bloom. September.

Siberian—Beautiful red. September.

Winter Varieties

Arkansas Black—Rich, dark red; flesh orange yellow.

Bellefleur, Yellow—Large, oblong, yellow. Ripens October to January.

Delicious—Large, handsome winter apple, delightful flavor. Ripens late fall.

Gano—Good size, deep red, attractive; good keeper and shipper.

Grimes Golden Pippin—Rich, golden-yellow; flesh tender, juicy and rich. November to December.

Jonathan—Probably the best apple in regard to flavor and quality ever grown in America. Deep red.

Mammoth Black Twig—Very large, dark red, slightly streaked.

McIntosh Red—Large, all red; good keeper.

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

Rhode Island Greening—Large greenish-yellow.

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

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

Delicious Apple

Apricots

Standard Size—\$1.00 each; \$10.00 per dozen; 50 for \$27.50; 100 for \$50.00 not prepaid.

Mail Size—Each 85c; \$8.50 per dozen.

Chinese—Large round, deep yellow. Late June.

Moorepark—Very large, yellowish-green; 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.

NO WISE PLANTER

Will Risk Fruit Stocks of Doubtful Origin at Any Price. There is safety with P.-W.'s Mountain Grown, critically selected trees.

Black Orb

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; \$10.50 per dozen, postpaid; Standard Size same price not prepaid.

UTAH ENGLISH WALNUTS—The very shape-ly 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

Same prices as Plums except where noted.

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-Fellemburg Prune—Large oval, dark purple; flesh greenish-yellow; separates freely from stone; best for drying on the market. August-September. Best commercial sort. Price standard size. Each 75c; Dozen \$7.75; Fifty \$17.50; Hundred \$30.00, not prepaid.

Mail Size—Each 70c; Dozen \$7.00, postpaid.

CHERRIES

Should be planted in light, well drained soils. There is always a brisk market demand, and in localities where they can be grown no home orchard is complete without a few "Sweet" and one or more "Sour" or Pie Cherry Trees.

Standard Size—Each \$1.25; doz. \$12.00; fifty \$40.00; hundred \$75.00, 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, productiveness and flavor. July.

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

"Dals" Early Red—Large, deep red. First part of June.

Lambert—Immense, deep rich red. July.

Napoleon—Very large pale yellow, red cheek. June

Reine Hortense—Sweeter and larger than May Duke. Color deep red. Ripens in August.

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

Yellow Spanish—Very large, pale yellow. June.

Sour Cherries

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

Montmorency—Large red. Late

June to July.

Early Richmond—Medium, dark red; melting juicy.

PEACHES

Probably the finest of our fruits, everybody delights in the flavor of a fine juicy Peach. Should plant in light soils, does not succeed well in low, heavy situations.

Standard Size—Each \$1.00; doz. \$10.00; fifty \$27.50; hundred \$50.00, not prepaid. **Mail Size**—Each 75c; doz. \$7.50, postpaid.

Alexander—Handsome, crimson. Ripens about July 4.

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

J. H. Hale—Large orange-yellow, considered by many superior to Elberta.

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

Heath Cling—Large oblong, creamy white, rich and luscious; valuable canning peach.

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

Crawford's Late—Freestone. Resembles the Early Crawford. Ripens in September.

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

Carman—Color creamy white or pale yellow, with deep blush; freestone. August to Sept.

Early Canada—Follows Alexander and resembles same in color, shape and size.

Dal's Cling—New. Large, handsome, deep red of rich, luscious flavor.

Red Bird Cling—The earliest of the large clings. Color creamy-white, overspread with bright, glowing red. Delicious flavor.

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; Dozen \$10.00; Fifty \$32.50; Hundred \$60.00 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.

Keiffer's Hybrid—Rarely ever blights. Fruit of fine size, rich color and good quality. October and November.

Parrish Favorite—New. Beautiful large winter pear, ripening in

Nov.-Dec. Will keep until spring, retaining its captivating flavor. Never blights. Best winter pear.

Clapp's Favorite—Summer pear, resembling Bartlett. Ripens in August.

Seckel—Small, yellowish-brown, tender, juicy, melting. Ripens in September.

Winter Nellis—A good winter variety of medium size.

PLUMS

Plums will accommodate themselves to most situations not absolutely wet, but produces finest fruit and most certain crops on heavy, clayey soil.

Standard Size—Each \$1.00; Doz. \$10.00; Fifty \$27.50; Hundred \$50.00, not prepaid. **Mail Size**—Each 85c; doz. \$8.50, 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.

Green Gage—Fruit pale green, rich and juicy.

Pottawatamic—Excellent small plum for preserving.

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

Jefferson—Fine large early red.

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 40c; Dozen \$4.75; Fifty \$15.00; Hundred \$25.00, 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 40c; Dozen \$4.00; Fifty \$12.50; Hundred \$20.00.

European Varieties

Must have winter protection or favored situations in Mountain States. Price, each 50c; Dozen, 4.75; Fifty, \$15.00; Hundred, \$25.00.

Flame Tokay—Large, sweet, red. Muscat—Large, light colored raisin and wine grape.

Blackberries

Price, except where noted, 25c each; \$2.50 per dozen; \$6.00 for fifty; \$12.00 per 100.

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

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

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

Dewberries

Lucretia—(Creeping Blackberry) Fruit very large, superb quality. Each 30c; Dozen \$3.00; Fifty \$8.50; Hundred \$15.00, charges postpaid

Logan Berry

A hybrid between blackberry and raspberry. Fruit as large as largest blackberry and produces in large clusters. Color dark red, mild vinous flavor. Each 35c; dozen \$3.50; fifty \$12.00; hundred \$20.00.

Superb Everbearing

Charges Prepaid. Not prepaid Thousand \$125.00.

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.

Thompson's Seedless—The well-known seedless raisin grape.

Gooseberries

Price—2 year old strong plants, 35c each; \$3.50 per doz.; \$15.00 per 100.

Houghton—Pale red; very productive.

Smith's Improved—Light greenish red, good size, very productive.

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

Columbus—Excellent new greenish yellow.

Raspberries

Price—Dozen \$2.50; Fifty \$6.00; Hundred \$10.00.

Cuthbert—The best large late red.

Louden—Very fine flavored dark crimson.

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

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

Gregg (Black Cap)—An old standby Very productive. Jet black good flavor.

New 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 intermission until late October. In addition of the brightest color and large fruit, firm and rich in sugar. Unlike any other raspberry, the Regis yields a crop of fruit the season it is planted. Good shipper. Each 30c; Dozen \$2.50; Fifty \$7.00; hundred \$12.00.

Concord Grapes

Currants

Except where noted, large 2-year old roots, 35c each; 12 for \$3.50; fifty \$8.00; hundred \$15.00.

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

Perfection—Large, bright red; most popular new variety. Each 40c; dozen, \$4.00; hundred, \$20.00.

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

Lee's Prolific—Large black.

Strawberries

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, \$1.75; Hundred, \$3.00; Five Hundred, \$12.00; Thousand, \$20.00.

Clyde—Early. The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor.

Marshall—Midseason. As a large berry for home use it is peerless. The color is a rich, glossy crimson that everyone admires; the quality is above the average.

Price: 25 plants, 75c; Fifty, \$1.25; Hundred, \$2.00; Five Hundred \$6.00; Thousand \$10.00, prepaid.

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 poultry price list.

Alfalfa Meal in original sacks of 100 lb. at market price; write for prices.

Blatchfords Egg Mash—Supplies the hen with the surplus nourishment she requires for maximum egg-production. It successfully solves the problem of securing eggs both winter and summer. 25 lb., bag \$1.25; 100 lb. \$4.50.

Buttermilk, Dried—Recognized by all poultrymen as an essential to any regulated ration. 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. \$2.15; 100 lb. Market Price.

Ground Oil Cake—Is a great milk and butter producer; a most economical cattle food. To poultryment it is likewise of value in keeping fowls in good health. Price fluctuates. Present Prices: 1 lb. 10c; 25 lb. \$1.25; 50 lb. \$2.50; 100 lb. Market Prices.

Mammoth Russian Sunflower Seed—Splendid for parrots and poultry. 20c per lb.; 2 lb. 35c; 100 lbs. Market Price.

Meat Scraps—We supply Armour's, Cudahy's and Swift's high protein content. It is hard to estimate the great value of meat scraps for growing chicks or laying hens. 3 lb., 25c; 25 lb., \$1.50; 50 lb., \$2.65; 100 lb., Market Price.

Economy Hen Food—A balanced scratch ration of pure whole grains. 6 lbs. 25c; 100 lbs. market price.

Ground Bone—As an egg producer, bone is invaluable. 1 lb. 10c; 50 lb., \$2.40; 100 market price.

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 lb., 25c; 50 lb., \$1.00; 100 lb., \$1.75.

Flax Seed Meal—One tablespoonful in a mash to each dozen fowls, daily is a great help during the moulting season. Present prices, 1 lb. 15c; 10 lb. \$1.00; 25 lb., \$2.00; 100 lb. Market Price.

Oyster Shell (Crushed)—Most important article of food; always keep fowls liberally supplied. 8 lb. 25c; 50 lb., \$1.00; 100 lb. \$1.75.

P.-W.'s Egg Mash—A well balanced mash, mixed according to Experiment Station formula. It contains in proper proportions all the essential elements for egg production. 6 lbs. 25c; 25 lbs., 90c; 50 lbs., \$1.60. 100 lbs. Market Price.

Sperry's Surclay—Contains shorts, middlings, flour, corn grits, bone meal, meat scraps, fish and whale meal, soy bean meal, linseed oil cake meal, cotton-seed meal, coconut meal, and breakfast rolled oats, all thoroughly mixed in the right proportions for laying hens to operate their egg factories to the highest point of efficiency. Market Price. Write for Prices.

Steel Cut Oats—Valuable food for young chicks and Canary birds. 3 lbs. 25c; 25 lbs. \$1.50; 100 lbs. Market Price.

P.-W.'s Developing Food and Pigeons Mixture. Just the food for chicks when they are two months old—after they have grown too large to be few P.-W.'s Chick Manna. 4 lb. for 25c; 25 lb. for \$1.00; 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 about a pint of P.-W.'s Chick Manna on the floor among an inch or two of alfalfa meal for 50 chicks. Only feed as much at a time as they eat up clean, and do not overfeed.

Put up in our own printed bags. 4 lb for 25c; 25 lb. \$1.00; 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.

"P.-W.'s Poultry Foods Make Us Happy."

Don Sung—A scientific discovery—absolutely different from any ordinary stock powder or poultry tonic that you have ever tried. It aids your hens in the balanced way that Nature requires; it supplies them with the body heat and energy that they lack in cold and wet weather—it keeps them in good health, happy and singing—and IT MAKES THEM LAY.

50c Size (Contains 45 tablets) treats 15 hens one month.

\$1.00 Size (Contains 135 tablets) treats 45 hens one month. All charges postpaid.

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 making use 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—Quart 60c; Gallon \$3.00; 5 Gallons \$12.50. 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. 2½ lb. pkg., 50c; 5 lb. pkg. \$1.00; 12 lb., pail, \$2.25; 25 lb. pail, \$4.25. Shipping weight 30 lbs; 100 lb. drum \$15.00.

Pratt's Poultry Regulator—Healthy birds and lot of eggs, the two big things in poultry raising, are made certain by giving this food.

It builds up vitality, insures sound digestion, sharpens appetite and prevents disease.

25 lb. pail \$3.60; 12 lb. pail \$1.85; packages, 30c, 65c and \$1.30. 50 lb. drum \$6.00; 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, Quality and Prompt Service Guaranteed. Phone or write us.

Get Your Name on Our Poultry List

Special quotations are made at intervals during the year whenever market fluctuations justify. Several hundred of our Poultry Supply Customers are now on this mailing list. Upon request we shall be glad to add your name so that you may receive the benefit of this special information.

***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 nutrient 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: 10lb, 75c; 25lb., \$1.75; 100lb., \$6.25.
Blatchford's Calf Meal. Price: 25lb., \$1.75; 50lb., \$3.35; 100lb., \$6.50.

PRATTS 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 diarrhoea, "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: 2 1/2 lb., 30c; 6 1/2 lb., 60c; 14-lb. sack, \$1.10; 25-lb. sack, \$1.75; 50-lb., \$3.25; 100lb., \$6.25.

PRATTS 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.

BUCKEYE INCUBATORS AND BROODERS

Buckeye Incubators are guaranteed by the manufacturer to hatch every hatchable egg—and Buckeye Brooders are highly rated for effectiveness by the leading poultrymen of America. 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.

Buckeye Standard
175-Egg Size

BUCKEYE INCUBATORS			
No.	C'td Wt. Lbs.	Capacity	Each
14—Styl. E	55	65 egg	\$ 18.00
16—Styl. E	85	120 egg	30.75
17—Styl. E	125	210 egg	40.50
1—Standard	110	120 egg	41.00
2—Standard	135	175 egg	48.25
3—Standard	200	250 egg	62.50
4—Standard	230	350 egg	73.75
5—St'd. Mam'th	323	600 egg	116.00

BUCKEYE BROODERS			
No.		Capacity	Each
20—Metal Brooder		60 chicks	\$12.50
21—Metal Brooder		100 chicks	16.25
22—Metal Brooder		150 chicks	20.00
18—Standard Stove		500 chicks	23.75
19—Standard Stove		1000 chicks	29.50

Note:—Special descriptive booklet on both Buckeye Incubators and Brooders will be sent free on request.

Above prices are Delivered f. o. b. Salt Lake City

QUEEN BROODER STOVES

Broods 'em Better and Cheaper than "Old Mother Hen"

The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when fire is too warm, thus giving a gentle flow of air to retard the heat. While the opening of the draft to increase the fire is located at the top of the stove it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover. The heat is automatically regulated.

The Queen stove burns 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.

The Queen is unquestionably the leading coal burning brooder stove on the market. We stock them in carload lots at our Salt Lake warehouses; prices are f. o. b. Salt Lake City.

Queen Brooder Stove No. 1—Capacity 600 chicks; price f. o. b. Salt Lake...\$23.75

Queen Brooder Stove No. 2—Capacity 1200 chicks; price f. o. b. Salt Lake...29.50

QUEEN INCUBATORS

Stop hatching weak chicks with cheap incubators. A Queen costs but little more, and the extra chicks that live and grow soon pay the difference.

Prices, Delivered f. o. b. Salt Lake City

Regular Style			
No.	C'td. Wt. Lb.	Capacity	Each
1	72	85 egg	\$ 30.50
2	87	135 egg	41.00
3	98	180 egg	48.25
4	138	275 egg	62.50
5	171	400 egg	73.75
25	238	600 egg	116.00
25		1000 egg	173.00

Style K			
No.	C'td. Wt. Lb.	Capacity	Each
10	46	70 egg	\$ 18.00
21	70	130 egg	30.75
22	100	220 egg	40.50

NOTE—Special Descriptive Booklet on both Queen Incubators and Brooders sent free on request. Our stock of Queen Incubators is limited at Salt Lake City. Order early enough to permit of shipment from factory if necessary.

HALLECTRIC METAL BROODER

The most remarkable feature of the "HALLECTRIC" is its simplicity. It consists of a galvanized iron canopy which is supported by three adjustable iron legs so constructed that the height of the hover from the floor can be changed to accommodate the chicks as they grow. Under this canopy is a heating drum attached in such a manner as to form a dead air space between the drum and the canopy. The air space prevents the loss of heat through radiation from the top of the canopy. Thus practically all the heat is radiated down on the chicks, so that they are perfectly comfortable at all times. Inside is the heating element, which consists of an ordinary nitrogen lamp bulb.

It is shipped complete with lamp bulb, ten feet of the best lamp cord, and plug so that is only necessary to attach to any electric light socket. No further attention is required.

Price \$16.00 f. o. b. Salt Lake City.

Capacity up to 150 Baby Chicks. Diameter 24 inches, shipping weight 12 lbs.

DRINKING FOUNTAINS FOR POULTRY

Automatic Fountain

Bottom Fill Fountain

Norwich Automatic Air-Lock Fountain

AUTOMATIC WATER FOUNTAIN

Will work for life for a dollar and a half. The "Guaranteed" Automatic Water Fountain is the Biggest labor saver on the farm, especially designed for poultry, can be attached to any city water line, a farm water tank or even a barrel, supplies fresh water automatically, is operated by the gravity pressure of the drinking pan. Made of high grade brass. Send for circular.

Price, each \$1.50—Postage 10 cents extra.

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. Only, 15c each, postpaid.

BOTTOM FILL FOUNTAIN

A general utility fountain at a low price. Made in two pieces. Easily cleaned and owing to shape will not burst from freezing. Made of best grade of galvanized iron, in three sizes. No. 19—About 1-qt. cap., wt. 3/4 lb., each.....\$1.45 No. 20—About 1/2-gal. cap., wt. 1 lb., each.....60 No. 24—About 1-gal. cap., wt. 2 lb., each.....75

DROP BOTTOM WALL FOUNTAIN

Manufactured from galvanized iron. May be hung up on the wall out of the dirt and litter. Easy to fill and easy to clean. May be used for chicks, fowls or pigeons. Three sizes.

No. 40—2 qt., wt. 2 lb., each.....\$1.00 No. 41—1-gal., wt. 3 lb., each.....1.30 No. 42—2-gal., wt. 6 lb., each.....1.50

NON-FREEZE DRINKING FOUNTAINS

These fountains are constructed like Thermos 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, each.....\$4.50 Three-gallon size, each.....5.25 Five-gallon size, each.....6.50

NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning about once in three months, only. Guaranteed frost proof to ten degrees below zero, and has been operated at twenty-eight below without being effected. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

One size only, 5 gallons capacity—shipping weight, 14 lbs. Complete, with Burner Base, each.....\$6.50 Add postage for your zone.

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

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—1 1/2-gal. size, each \$1.50; No. 2—3 1/2-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

MOE'S FOUNTAIN AND BROODER HEATER

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 fount 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. No. 10—Height 7 in. Diameter, 11 in. Shipping Weight, 4 lbs. Each.....\$2.00

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 complete, each.....\$4.75

Mason Jar Fount

Drop Bottom Wall Fountain, No. 41

Improved Wall Fount

Non-Freeze Fountain

Top Fill Fountain

Dry Mash Hopper

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 flange through the wire grid prevent any chance of the fowls throwing out 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.

No. 35—8½ in. wde, weight 5 lb. Each.....	\$1.80
No. 36—12 in. wide, weight 6 lb. Each.....	\$2.35
No. 37—24 in. wide, weight 12 lb. Each.....	\$3.25

No. 44 Vegetable Rack

POULTRY VEGETABLE RACK

Manufactured from galvanized iron and wire. For feeding Roots, Beets, Cabbage, Sprouted Oats, etc. A big time and feed saver. Every breeder needs one or more.

MOE'S ALUMINUM FEEDING TROUGH

Especially for Buttermilk, made of pure aluminum which is not effected by acids of milk and other feeds.

No. 70—Length, 20 inches, Weight, 1 lb. Each.....	\$1.00
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MCCANDLISH MODEL CHICK FEEDER

It is practically indestructible, made entirely of metal, making it absolutely sanitary, and waste of feed is impossible. It is easy to fill and clean and also answers for a drinking fountain when the ends are soldered at an extra cost of about 10c.

Length 12 in. Wt. 8 oz. Each.....	\$.40	Length 20 in. Wt. 12 oz. Each.....	\$.50
Length 30 in. Wt. 16 oz. Each.....	\$.75

Round Feeder No. 11

MOE'S SANITARY FEEDING TROUGHS

Made of best quality iron, with removable tops. Edges turned under. Safe for chicks. Easy to fill and clean.

No. 55—12-inch, 9 holes, Weight 1 lb., Each.....	\$.40
No. 56—18-inch, 13 holes, Weight 2 lbs., Each.....	.50
No. 57—24-inch, 18 holes, Weight 3 lbs., Each.....	.60
No. 58—12-inch (Double), 18 holes, Weight 1½ lbs., Each.....	.50
No. 59—18-inch (Double), 26 holes, Weight 2 lbs., Each.....	.65
No. 60—24-inch (Double), 36 holes, Weight 3 lbs., Each.....	.80

Sanitary Trough (Single)

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.

No. 11—6 inches in diameter, 8 feeding holes, weight ½ lb. Each.....	\$.30
No. 12—8¼ inches in diameter, 12 feeding holes, weight 1 lb. Each.....	.40

GRIT AND SHELL BOXES

Grit, shell and charcoal can not be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.

No. 45—For baby chicks, 2 compartments, weight 1 lb., each.....	\$.50
No. 9—For grown birds, 3 compartments, weight 3 lbs., each.....	1.15
No. 90—For grown birds, 4 compartments; weight 4 lbs., each.....	1.50

No. 45—Two Compartment Square Bottom

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
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No. 61

"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 warp and rot from coming in contact with warm moist grain, and common wire netting in the bottom that will soon rust.

Sizes and Prices F. O. B. Salt Lake

No. 1—Base and 1 Section—(Weight 50 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 85 lbs.)—6 trays, holds 24-30 qts. dry grain.....	22.50 Each
No. 4—Base and 4 Sections—(Weight 100 lbs.)—8 trays, holds 32-36 qts. dry grain.....	25.50 Each
No. 5—Base and 5 Sections—(Weight 115 lbs.)—10 trays, holds 40-50 qts. dry grain.....	28.75 Each
Each additional Section and 2 galvanized all-steel trays (Weight 20 lbs.).....	5.75 Each

The Little Eggetter

Minature heated grain sprouter for 40 hens, holds 8-10 qts. (see cut) each.....\$8.95

Moe's Oat Sprouter

Consists of 6 trays each 16-18 inches. Not heated, for sun or warm room use. Wt. 25 lb. Each \$7.00

The Little Eggetter

Poultry Lice Killers and Remedies

The disinfecting, germ-killing, paint. Saves time, money, labor. It paints and disinfects at one time. Better than white-wash, as it will not chip or crack off. Dries white and stays on. Car-

bola is neither poisonous nor caustic, but will disinfect. Every poultryman and dairyman should use Carbola 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-Fo Bowel Regulator—Used by poultrymen as a help in preventing and fighting against such bowel troubles as coccidiosis, white diarrhoea and cholera in chickens and turkeys.

3 Sizes, each 25c; 50c; \$1.00, postpaid.

Lee's Geromozone—for Poultry—Never fails to cure Bowel 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. 12-oz. bottle, 50c. If by mail add 10c extra for postage.

Lee's Lice Killer—Destroys either by vapor or contact. No trouble to apply; just paint the roosts or wall at night. Rids poultry and houses of all vermin; is prepared exclusively for this purpose, and there is nothing just as good.

Price: Qt., 60c; ½-gal., 90c; 1-gal., \$1.50. Shipping weight: Quarts, 4 lb.; ½-gal., 8 lb; gallons, 15 lb.

Lee's Leuse Powder—For direct application to body of fowl. 1¼ lb. can, 30c, mailing weight, 2 pounds; 3 lb. package, 60c, mailing weight 4 pounds.

Pratt's White Diarrhoea Remedy—Standard everywhere among leading poultrymen. Two sizes—25c and 50c each.

Pratt's Roup Cure—Quickly absorbed by the blood, helps purify the system, reduce fever, allay inflammation. A safe help for roup, colds, catarrh and many bad weather diseases. 3 sizes—25c; 50c; \$1.00, postpaid.

Pratt's Poultry Disinfectant—Three times as powerful as crude carbolic. A sure deodorizer, germicide, and liquid lice killer. Use it for roup, colds and other contagious diseases. Price \$2.00 per gallon; ½ gallon, \$1.25; qt, 70c. Wt. packed, 10 lbs.

Pratt's Powdered Lice Killer—For applying to body of fowl; 2½ lb. Pkg. 60c; one lb. 30c.

MISCELLANEOUS SUPPLIES

Dog Supplies

Clayton's Mange Remedy (Oily dark color)—For skin disease 50c.

Clayton's Distemperine, liquid (tablets) For distemper 50c

Clayton's Condition Pills with Pepsin—Remedy in all run down conditions of the system, valuable in distemper 50c.

Clayton's Blood Purifying and Cooling Pills—Useful in Eczema and all skin diseases, 50c.

Clayton's Laxative Pills—Act directly on the liver, keep the bowels in good condition 50c.

Clayton's Worm Pills—For the expulsion of worms 50c.

Clayton's Vermifuge—Liquid—for worms, dogs of all ages and breeds 50c.

Clayton's Canker Lotion—liquid (tablets) For external and internal canker, deafness, etc. 50c.

Clayton's Puppy Tonic—To strengthen weak puppies, relieve them of colic 50c.

Clayton's Diarrhoea Remedy—liquid (tablets) 50c.

Clayton's Celine Dog Wash and Disinfectant—For fleas. For washing your dog. To disinfect your kennel. A perfect disinfectant for any and all purposes a disinfectant is used 50c

Killflea—(Dog Soap). Can be used continually without injury to the dog's skin or coat, but will keep both in good condition 25c.

Bennett's Milk Bone—Bone shaped biscuits for both puppies and dogs. Cartons 50c each.

Spratt's Dog Cakes—2 lb. cartons 50c each; in bulk 10 lbs. \$2.00; 100 lbs. \$16.00.

Spratt's Meat Fibrine Puppy Biscuits—A complete and perfect food for puppies from weaning time onwards, and for small breeds as the regular food instead of Spratt's larger Dog Cakes. 2 lb. carton 60c each.

Dairy Stock Remedies

SNELL'S MAGIC BLOAT AND COLIC CURE—Gives Instant Relief to Alfalfa or Clover Bloat in Cattle or Sheep and for Horse 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 apply remedy. For Cattle Bloat—Three-fourths table spoonful 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 that attack the udder. 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 bag, sore teats, bunches, chapping, cuts, inflammation, etc. Per can 65c each, postpaid.

Leg Bands

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, pigeons and baby chicks. Please state breed when 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 20c; 25 for 30c; 50 for 60c; 100 for 75c, postpaid.

Smith's Sealed—Of aluminum and so constructed that by simply crushing a soft rivet they are sealed on the bird's leg, and must be destroyed to be removed. Prices, 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.

Mo'e's Ideal Poultry Punch, nickel plated, each 50c.

Metal Egg Crates—These splendid egg carriers are made of aluminum and will last a life time. Specially designed for a Parcel Post shipping. With these crates poultrymen at distant points from markets can let "Uncle Sam" do their marketing. After being emptied by the customer, provision is made for the return of the empty crate at an exceedingly small expense. Sizes, weights and prices are as follows:

1½ Dozen Egg Size—Weight 3 lbs.	Each.....	\$1.25
2 Dozen Egg Size—Weight 3 lbs.	Each.....	1.50
3 Dozen Egg Size—Weight 4 lbs.	Each.....	1.75
4 Dozen Egg Size—Weight 5 lbs.	Each.....	2.00
6 Dozen Egg Size—Weight 6 lbs.	Each.....	2.50

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 20c; 100, \$1.25; 250, \$2.50.

Standard—2x6 Dozen 25c; 100, \$1.50; 250, \$3.00.

Continental—2x6 Dozen 30c; 100, \$1.75; 250, \$3.75.

Nest Eggs

Nest Eggs—Lice Repelling Nest Eggs—Guaranteed to expel lice and vermin. Each 8c; 75c per Dozen. Weight 2 pounds per dozen.

Porcelain—Best grade, strong and durable. Each 5c; Dozen 50c; Weight, $\frac{1}{4}$ -pound per dozen.

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.

Gilt Edge Egg Scale

Gilt Edge Egg Scale

This scale is simple in construction quick and easy to operate, has a weighing capacity of 12 different grades, from 18 to 29 ounces to the dozen. Universally used throughout the United States and Canada and highly recommended by all agricultural colleges. Your success is a better grade.

Price—Each \$2.00; 10c extra for postage

Lamps, Burners

And Extras for Incubators and Brooders

Lamp Bowls for No. 2 Burners, galvanized; each (postage)	\$0.75
Lamp Bowls for No. 3 Burners, galvanized; each (postage 10c)	.90
Lamp Burner No. 1, brass; each	.50
Lamp Burners, No. 2, brass; each	.60
Lamp Burners, No. 3, brass; each	.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, 5c; 6 for	.25
Tin Chimney for No. 2, 30c; for No. 3 burners; each	.35
Thermostat, Round Pattern, 3-in. (Wafer) 75c each, 2 for 1.25	

Thermometers—All Postpaid

Incubator, "Tycos," Triangle, tested; each\$1.00
Incubator, "Tycos," triangle, on legs; each\$1.10
Incubator, "Tycos," Triangle certified and etched on the glass tube Each\$1.25

Wires for holding Incubator Thermometers; each	\$.15
Brooder, "Taylor" mounted on wood	.75
Brooder, Flat, metal, unmounted; each	.50
Hygrometer, "Tycos," complete	2.00
Extra Wicks for "Tycos" Hygrometers	.15

"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 tacks to drive, no folding of corners. All the corners are scored. They always open up square.

They are packed nicely in cartons containing a given quantity and are in order; ready-to-use. Many other makes come loose and have to be arranged in order before using.

Sizes and Prices—

2B Plant Bands 2x2 inches, \$1.25 per 250, postpaid.	
3B Plant Bands 3x3 inches \$1.50 per 250, postpaid	
2P Plant Pots 2x2 inches \$1.50 per 250, postpaid	
3P Plant Pots 3x3 inches \$2.00 per 250, postpaid	

Wire Nests

Wire Nests—12 in. Diameter Copered Wire, Each 30c; \$3.00 per dozen.

14 in. Diameter Copper Wire. Each 35c; \$3.50 per dozen.

Caponizing Sets

Caponizing has become very popular with the poultrymen, 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.

Cyclone Seed Sower

A good large sower that meets the most exacting demands. Hangs by a strap over shoulders of operator. Hoppersack has a capacity of $\frac{1}{2}$ bushel. Broadcasts evenly all varieties of grain and grasses. Weight 4 lb.

Price—Each \$2.50. If by mail add 25c extra for postage.

"Little Giant Horn" Sower—Price \$1.50 Each.

Pruning Shears

Ladies' Rose Shears—Length 6 inches. Tempered steel blade. Volute spring. Full polished and nickel plated. A beautifully finished shear of best quality. Easily operated with one hand. Price each \$1.75 postpaid.

Happy Thought—Constructed with long handle especially adapted for fruit and ornamental trees. Price, each \$3.00.

Garden Tools

Made of heavy pressed steel all in one piece and practically indestructible.

Five Fingered Weeder—Each 30c Transplanting. Trowel—Each 30c 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 \$3.50.

"Norcross" Cultivator-Hoes and Weeders

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

ground easily and are so arranged, one with another, as to literally tear up every inch of the soil, from one to five inches deep, as required. Detachable steel prongs, malleable head, extra high grade handles. Finely finished throughout.

Three sizes, suited to both men and women, and the average cost is only that of a common hoe.

Three Sizes and Prices—

5-prong, 4 ft. handle, weight 3 lbs. each	\$1.25
3-prong, 4 ft. handle, weight 2 lbs. each	.90
"Midget," 9 inch handle, wt. 12 ounces, each	.60

SPRAY PUMPS (For Every Purpose)

Standard Pump with "Potato" Extension

CONTINUOUS ATOMIZER NO. 116

This operates continuously on both up and down stroke and throws a fine misty spray. It will handle all solutions, insecticides and disinfectants used in kitchen-garden, the greenhouse, rose-garden or poultry house. Weight 2 pounds. Price, Galvanized 1-qt. size, each \$1.00; Brass No. 26C \$1.50.

BUSINESS COMPRESSED AIR SPRAYER NO. 123

A heavy, strong, substantial, medium priced Compressed Air Sprayer for all general purposes. Will throw a spray or stream. Made of galvanized steel. riveted ends floated in solder bath and neatly striped with red enamel paint. 1½ inches in diameter, 7½ inches long. Brass nozzle; spray or solid stream. Brass filler plug. Pump tube, 1¼ inches in diameter, 16 inches long. ¼ inch plunger rod; special type leather plunger. 3-16th inch brass check valve. Standard on tank to prevent tipping over. Well braced throughout. Capacity, 1 gallon. Weight 4 lbs. Price, \$4.00 each.

COMPRESSED AIR SPRAYER—AUTO SPRAY NO. 1

This is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. It is equipped with a patented non-clogging nozzle. It consists of a solution tank holding about four gallons, made of galvanized steel. Weight, empty for shipment, 15 pounds. No. 1-D, Galvanized Tank, Auto-pop, \$8.25; No. 211 Brass Tank, Auto-pop, \$11.00.

Auto Spray No. 1

AUTO SPRAY WHEELBARROW SPRAYER NO. 40D
Galvanized 12-gallon tank. Iron wheel and frame. 8 ft. hose, Simplex nozzle. Shipping weight 75 lbs. Complete \$30.00

JUNIOR COMPRESSED AIR SPRAYER

This is a very popular sprayer for poultry houses and small gardens. It is similar in appearance and operation to Auto Spray No. 1, but instead of a hose it has an adjustable arm so that spray can be directed in any direction desired. Brass nozzle with automatic shut-off. Can be operated with one hand. Capacity, 1½ gallons; weight, 6¼ pounds. Price, each \$4.00.

ERADO—IT KILLS WEEDS

This device does away with the old back-breaking method of digging dandelions and weeds of all kinds by hand. All that is necessary to do is to push the plunger into the center of the plant and the weed-killing solution automatically runs down into the roots. A weed treated in this manner can never spring up again. Gasoline or iron sulphate can be used. Brass \$1.50.

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 1-inch discharge hose, three feet long. Shipping weight, 8 lb. Price \$6.00.

BUCKET PUMP NO. 327

Similar to Auto Spray No. 6, made of a little lighter material, but strong enough for most purposes. Price, each \$4.00.

P.-W.'s HANDY SPRAYER

We recommend this handy little sprayer to the poultryman for spraying disinfectant, lice 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 60c.

P.-W.'s BABY MIDGET SPRAYER

Same style as P.-W.'s Handy. Capacity ½ pint. Price. 40c each

"P.-W.'s Handy"

POWDER GUN NO 131

Ideal implement for dusting a small number of shrubs or plants. 1¾ inches diameter, 14 inches long. Length over all, 21½ inches. Reservoir, 1 pint Mason fruit jar Weight 2 lbs.. Price \$1.00 each.

No. 329

WHITEWASH NOZZLE NO. 329

For spraying, white washing 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 for ¼ inch standard pipe. Price 85c each.

STANDARD SPRAY PUMP

As 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 nozzles, price \$6.00; weight 3½ lb. For knapsack, price, \$3.50; weight, 5½ lb. Extension rod, price \$1.25; Veterinary Nozzle 75c.

Continuous Atomizer No. 116

Business Compressed Air Sprayer No. 123

Auto Spray No. 6 Bucket Pump

Hand Duster

HAND DUSTER

Arsenate of lead and other powders for dusting application are best applied with this new Hand Duster, which is a mechanically perfect apparatus, emitting powders in clouds of right consistency from any position and in any direction. Price, each \$2.00.

Powder Gun No. 131

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 either commercial or 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, curran worms and dozens of others. Must be sent by express or freight.

Price— $\frac{1}{2}$ lb. package, 35c; 1-lb. package, 60c. Write for quantity prices.

Ant Exterminator—A non-poisonous powder, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Boxes, 35c and 65c sizes, Postpaid.

"Black Leaf No. 40"—Nicotine Sulphate—40 per cent Nicotine—This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice) Thrips, Leaf-hoppers on all trees, bush and vine fruit, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

You cannot go wrong by ordering "Black Leaf 40" for sucking insects. Prices, 1-oz., 35c; $\frac{1}{2}$ -lb. \$1.25; 2-lb. \$3.75; 10-lb. \$15.50; 1-oz. makes 6 gallons; $\frac{1}{2}$ lb., 40 to 60 gallons.

For **ROOT MAGGOTS**—Use 1 part of CARCO SPRAY to 75 parts water and spray the ground freely before planting. As soon as the vegetables show, spray again with a solution of 1 part of CARCO to 125 parts of water. Repeat every two or three weeks for a period of six or eight weeks.

For cut worms, grubs and other worms—dilute one part CARCO to 125 parts water and apply freely, preferably in the late afternoon.

Important—Use a coarse spray always. Price— $\frac{1}{2}$ pint 50c; pint 75c; quart \$1.25.

Cow Ease (Fly Driver)—Is a liquid preparation from non-poisonous materials, and will not gum the hair or blister the skin. A herd of milch cows sprayed regularly through the fly season will yield on the average of 10 to 20 per cent more milk.

Price—Quart 60c, weight 4 lb.; $\frac{1}{2}$ gallon 90c, weight 8 lb.; gallon \$1.50, weight 15 lb.

Dusting Sulphur—The most common fungus diseases that annoy the gardener and orchardist are Early Blight on potatoes, Scab on apples and pears, and Brown Rot on peaches. Dusting Sulphur is good for all these and can be used by itself or in combination with Arsenate of Lead, mixing the two in equal proportions.

Price— $\frac{1}{2}$ lb. carton, 15c; 1-lb. 25c; 5 lb. \$1.00.

Dry Powdered Fungi-Bordo—Fungi-Bordo, the perfect Bordeaux Mixture Concentrate is a dry powder which you will receive in sift-proof impervious packages. Use eight pounds of Dry Powdered Fungi-Bordo to fifty gallons of water will prove an effective insecticide and fungicide. 1 lb. 50c; 5 lb. \$2.00; 10 lb. \$3.75.

Formaldehyde—For the prevention of smut on grain; it is easy to apply. One bottle, diluted with 40 to 50 gallons of water is sufficient to treat thoroughly 30 bushels of wheat or barley for smut; 40 bushels of oats for smut; or 60 bushels of flax for wilt. Sixteen ounce bottle, \$1.00.

Flyosan, a liquid sprayed in a mist form with one of our Atomizers is very effective in killing house flies and bugs. Pint can 85c; quart \$1.25; gallon \$4.00.

Hall's Nicotine Fumigator—A simple and effective preparation for fumigating greenhouses, etc., for plant lice. It is a specially prepared tobacco powder saturated with pure nicotine which has been so treated to insure proper burning qualities. It's a real smudge punk ready to use. 1 lb. Can \$1.50; 2 $\frac{1}{2}$ lbs. \$2.75.

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.

Lime-Sulphur (Dry Form)—A good remedy for San Jose Scale; also an excellent fungicide. 1 lb. 35c; 5 lb. package \$1.50.

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 fungus diseases.

Without question of a doubt, the best Dormant Spray on the market today. Ask for free booklet.

Price—One-quart can, 75c; shipping weight 3 lb.; 1 gallon can, \$1.75; shipping weight, 11 lb.; 5 gallon can, \$3.00; shipping weight, 50 lb.; 30 gallon barrel, \$30.00; shipping weight, 265 lbs.; 50 gallon barrel, \$45.00; shipping weight, 440 lb.

Paris Green—Is the most positive poison there is to be had, containing the highest poison efficiency at a minimum cost.

Killing The Pests

It is quick-acting, powerful and sure in its deadly work. For fruit trees use 1 ounce to 6 gallons water; 1 lb. to 100 gallons of water.

Price— $\frac{1}{2}$ lb. 45c; 1 lb. 80c.

Spray Tabs—Already prepared spray in tablet form for description of all leaf eating insects. Full directions with each order. One carton containing 30 tablets, 30c.

Rat Poison ("Gets Me Quick")—Effective remedy against Rats, Mice, Gophers, Ants, and Squirrels. Price 50c.

"Sure Moxem"—Controls most leaf eating insects. No mixing up sifter-top cans; simply shake it on the plants. 1 lb. can 35c.

Tarred Felt Discs—Effective protection against the "root maggot." For young plants when first set and such as cabbage, cauliflower, etc.

Price—70c per 100 lb., Postpaid. Write for Quantity Prices.

Tree Tanglefoot—A sticky compound similar to that used in making fly-paper. One pound makes ten lineal feet of band. One application remains sticky for three months. Good protection against all crawling insects and for tree surgery. Superior to anything on the market. 1 lb. package 50c; 3 lb. \$1.45; 10 lb. \$4.50; 20 lb. \$8.75; 25 lb. \$10.50.

Tobacco Dust—When dusted over young plants, it is very efficient in repelling many kinds of bugs and in keeping the foliage from Aphis and Lice.

Price— $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 5 lb. 75c; 25 lbs. \$2.50.

Whale Oil Soap (Fish Oil)—Dissolve 2 ounces of soap to 1 gallon of water for all small fruit. For large fruit trees, shade trees, etc., use 3 ounces of soap per gallon. Very effective as a spreader for "Black Leaf 40," Nico-Fume, Liquid, etc.

Price— $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c.

FERTILIZERS AND SOIL BUILDERS

INOCULATING BACTERIA (Soil Builders)

Farmogerm—Builds up the Soil and Increases the Yield—This organized standard of seed inoculants insures the growing of bigger crops by making poor soil good soil. It is always fresh—the only culture being sold in the bottles with the patent stopper which enables the bacteria to breathe air insuring long life without deterioration.

Farmogerm prices are: Garden Size, 50c; 1 Acre Size, \$1.00; 3 Acre Size, \$2.50; 12 Acre Size, \$9.00. Full directions accompany each bottle.

HUMOGERM put nitrogen in your soil at a cost of practically nothing. The process is simple. Inoculated roots will deposit 150 lbs. to 200 lbs. of nitrogen to the acre—equivalent to $\frac{1}{2}$ ton nitrate of soda. In this way you secure fertility for succeeding crops at a cost of a few cents.

Specify crop and number of bushels you wish to inoculate;

or, order by number, giving size or sizes. The can unit designations are on the bushel basis; for example, the 1 bu. size contains sufficient culture to thoroughly inoculate 1 bu. legume seed, any variety.

Prices— $\frac{1}{4}$ bu. size, 35c; $\frac{1}{2}$ bu., 60c; 1 bu., \$1.00; 2 $\frac{1}{2}$ bu. \$2.25. Special garden size for peas, beans and sweet peas, 25c.

FERTILIZERS

Ground Bone-Meal—An excellent fertilizer for all gardening purposes; particularly adapted for fruit trees, roses, and all nursery stock. Should be forked in the soil in the fall if possible. 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.75.

Groz-It—Pulverized sheep and cow manure. No odor, dried, ready for use. Exceptionally good for lawns, golf greens, and gardens generally. 25 lbs. \$1.00; 50 lb. \$1.90; 100 lbs. \$3.50.

FERTILIZERS (Continued)

"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 30-40 or 1,200 square feet, though larger applications will give increased results.

Prices—10-oz. carton, 25c; 10-lb., \$1.00; 25 lb., \$2.25; 50 lb., \$4.00; 100 lb., \$7.00, not prepaid.

We have special mixtures of "Plant Life" for Sugar

Beets, Potatoes, Tomatoes, etc.

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, 15 per cent potash. The proportions are accurate, there is no unnecessary filler, and in this form you are able to apply plant-food exactly when and where an is needed.

Order Stim-U-Plant tablets with your seed and plant order. Price—10 tablets for 15c; 30 tablets for 25c; 100 for 75c; 1,000, \$3.50.

BIRD SUPPLIES AND CANARY BIRDS

CANARY BIRDS

Every singer we sell is known by us to be a singer. We do not send out trial or exchange birds. State the amount you wish to pay and leave the 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 the most vigorous. Price ranges from \$6.00 to \$10.00 each depending on range and quality of song.

St. Andreaburg Rollers—With the wonderful soft-toned rolling notes. \$12.00 to \$20.00 each depending on song.

CAGE EQUIPMENT

Cage Charm Bells, tiny bells to hang on cage, each.....	\$.10
Perches, all lengths, plain wood; give size wanted, each.....	.15
Seed and Water Cups, "Single Point" opal, porcelain also glass, either 2 for 25c; each.....	.20
Seed and Water Cups, open top, "Tulip Cup," opal, porcelain, also glass, either 2 for 25c; each.....	.20
Seed and Water Cups, closed top, "Shell," opal, porcelain, also glass, either.....	.20
Canary Cups, 2 inches diameter small, round, opal 3 for 35c, each.....	.15
Cuttle Bone Holder, Hendrix No. 1, to hold small small piece in place.....	.15
Bath Dishes, porcelain, oval shape, medium size; 2 for 45c; each.....	.25
Bath Dishes, glass, oval shape, medium size; 2 for 35c; each.....	.20
Bath Houses, glass sides, fits to side of cage; each.....	1.00
Bird Cage Nests, wire cloth, 4 inches diameter; 2 for 45c; each.....	.25
Nesting Hair; per package.....	.10

CAGE EQUIPMENT—Continued

Cage Spring, single coil, brass, heavy; each.....	.35
Cage Spring, single, with 2-ft. ladder chan, adjustable; each.....	.35
Cage Spring, double coil, brass, prevents cage swinging; each.....	.40
Cage Bracket, brass plated heavy, swinging No. 7 wire; 12-inch; each.....	.35

BIRD CAGES

Brass Cages—Splendid assortment of sizes and styles. The prices range from \$4.50 to \$15.00 each.

Japanned Cages—In assorted styles and sizes. Prices range from \$2.50 to \$7.50 each.

Traveling Cages—\$1.00 each.

Breeding Cages—Assorted sizes. Prices from \$5.50 to \$7.50 each.

The above prices quoted on cages merely indicate the approximate range of values. If you will tell us when ordering the amount you wish to pay we will guarantee to supply full and satisfactory values for amount remitted.

BIRD FOODS AND REMEDIES

Postpaid Prices

Bird Seed, P.-W.'s best mixed, lb.....	\$.30
Bird Sand, gray imported, lb.....	.15
Oats, Steel Cut special size, lb.....	.20
Sunflower, for parrots, lb.....	.25
Flax Seed, medicinal Laxative, lb.....	.25
Cuttle Bone, 10c a piece; ¼ lb.....	.40
Bird Manna, in cakes ready to attach to edge, each.....	.20
Bird Bitters, Iron Tonic, per bottle.....	.25
Canaradyne, wheezing and Asthama, per bottle.....	.25
Mexican Salve, for sores, package.....	.25
Bird Salve, small size can.....	.25
Nesting Food, Spratt's, package.....	.25
Song Restorer, valuable tonic.....	.25
Lice and Mite Powder, large size without guns.....	.25
Lice and Mite Powder, with guns.....	.25
Egg Flake and Fruit, Spratt's excellent food, pkg.....	.30
Parrot Food, mixed food for parrots, 12-oz. pkg.....	.30
Pollcrackers, special biscuit for parrots, 12-oz. carton.....	.30
Leg Bands for Birds, numbered; per doz.....	.25
Bird Books; Raising and Care of Canaries.....	.40
Dip Nests, No. 1, 4-in. diameter, 1½-in. handle; each.....	.35

GOLD FISH AND SUPPLIES

GOLD FISH

Small Fish about 2 in. long; each.....	\$.25
Medium Size, 2½ to 3 inches long; each 35c to.....	.50
Large Size, 3½ to 4 in. long; each 50c, 75c and.....	1.00
Fan Tails, according to size, each, 50c, 75c and.....	1.00
Tin Pails, for use when shipping fish, are sold at about cost; quart, 15c; 2-quart, 20c; 3-quart, 25c; gallon, 35c; 2-gallon.....	.50
Fish must travel by express. Customers pay expressage Pamphlet on Care of Gold Fish FREE with each order	

AQUARIUM SUPPLIES

Fish Food, Imported, Rice Wafer.....	\$.20
Fish Moss, in bunches, tied with lead; when in stock per bunch, 20c; 2 for.....	.25

Grottoes, similar to Castles; small, 2½ inch high; each.....	\$.35
Castles, 3 inches high; for ½-gallon Globes, each.....	.40
Castles, 4 inches high; for 1-gallon Globes, each.....	.50
Castles, 6 inches; for 3-gallon Globes, each.....	.65
Fancy Small Sea Shells, assorted.....	.20

FISH GLOBES—Heavy Glass

By Express or Freight

½-gallon size, round Globes; each.....	\$0.90
1-gallon size; round Globes; each.....	1.50
2-gallon size; round Globes; each.....	2.50
3-gallon size; round Globes; each.....	4.50

Miscellaneous Garden Supplies

WIRE HANGING BASKETS

With chain hanger, 8-in. fancy top, each.....	Postpaid \$.45
With chain hanger, 10-in. fancy top, each.....	.55
With chain hanger, 12-in. fancy top, each.....	.70
With chain hanger, 14-in. fancy top, each.....	.80
Sphaenum Moss, suitable for use in lining hanging baskets; ½ lb., 25c; 1 lb., 40c.	

POT AND TREE LABELS

Pot, 4-in., plain, 1,000 in a box.....	Per 12 100 1,000 10c 35c \$3.00
Pot, 4-in., painted, 1,000 in a box.....	10c 45c 3.40
Pot, 6-in., painted, 1,000 in a box.....	15c 70c 5.00
Pot, 10-in., painted, 500 in a box.....	25c 1.50 9.00
Tree Labels, copper wired, plain.....	10c 55c 3.80
Tree Labels, copper wired, painted.....	10c 60c 4.30

Our
GREENHOUSES
at CENTERVILLE UTAH
SEED TRIAL GROUNDS AND
NURSERIES WHERE SOIL
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WAREHOUSES
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CONVENIENTLY
SITUATED FOR
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TOWN AND
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Useful Information On Shrubs, Vines and Trees

*Bloom Period and Common Name	Color	Character	Height	Habit
APRIL—				
Flowering Almond	White, Pink	Double	3 to 5 ft.	Spreading
Golden Bell	Yellow	Single	5 to 8 ft.	Weeping
Japan Quince	Red	Single	4 to 5 ft.	Dense
Japanese Barberry		Foliage	2 to 3 ft.	Dense
Spirea, Thunbergii	White	Double	3 to 6 ft.	Bushy
MAY—				
Mock Orange (Syringa)	White	Single	5 to 10 ft.	Upright
Snowball	Yellow, White	Spherical	3 to 8 ft.	Spreading
Lilac, White and Purple	White and Purple	Single	4 to 8 ft.	Branching
Spirea Van Houttei	White	Double	4 to 6 ft.	Upright
Flowering Currant	Red or Yellow	Small	3 to 6 ft.	Bushy
Siberian Pea Tree	Yellow	Single	8 to 12 ft.	Upright
Flowering Plum	Pink	Double	4 to 7 ft.	Branching
JUNE—				
Weigelia	Red, White, Pink	Single	3 to 6 ft.	Arching
Lilac	White, Purple	Large	4 to 8 ft.	Branching
Golden Elder	Yellow, Orange	Flat	4 to 8 ft.	Shrubby
Bush Honeysuckle	Pink, White, Red	Clusters	3 to 5 ft.	Branching
Deutzia	White, Pink	Clusters	2 to 3 ft.	Branching
JULY—				
Butterfly Bush (Buddleia)	Purplish Lilac	Single	4 to 8 ft.	Branching
Weigelia	Red, White, Pink	Single	3 to 6 ft.	Arching
Snowberry	Pink flower	White berries	2 to 5 ft.	Spreading
Coralberry	Pink flower	Red berries	2 to 5 ft.	Spreading
Tamarix-Amurensis	Pink	Fringe	6 to 8 ft.	Spreading
AUGUST—				
Tamarix Amurensis	Pink	Fringe	6 to 8 ft.	Spreading
Althea (Rose of Sharon)	White, Red, Purple	Single	4 to 6 ft.	Spreading
Hydrangea	White	Large panicle	4 to 8 ft.	Spreading
SEPTEMBER—				
High Bush Cranberry		Red berries	8 to 10 ft.	Spreading
Privet		Foliage and berries	5 to 10 ft.	Dense

*The bloom period is simply approximated for the Mountain States and the month named when flowers first appear. Many varieties continue in bloom for periods in the months following:

SHRUBS HAVING ATTRACTIVE BERRIES

Japanese Barberry	Indian Currant
Coral Berry	Japan Quince
Elders	Snowberries
Bush Honeysuckles	Cranberry High Bush

SHRUBS FOR WET PLACES

Dogwoods	Elders	Tamarix
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SHRUBS FOR SHADY PLACES

Japanese Barberry	Indian Currant
Deutzias	Privet
Dogwoods	Snowberry

SHRUBS FOR HEDGES

Buddleia	Lilacs
Bush Honeysuckle	Privet
Hydrangea Grandiflora	Spirea Van Houttei
Japan Barberry	
Japan Quince	

Classification of Ornamental Trees

TREES SUITABLE FOR STREET AND AVENUE PLANTING

Ash—Both American and European	Maple—Ash, Leaved Box Elder, Norway, Silver, Sugar, Sycamore, Schwedlerii
Catalpa—Speciosa	Oriental Plane
Elm—American, English	Poplar—Carolina, Bolleana
Linden—American, European	Sycamore—American
Horse Chestnut	

FLOWERING TREES

Horse Chestnut	Linden
Flowering Crabs	Catalpa Speciosa
Flowering Plums	Laburnum
Locust	

TREES FOR LAWN OR YARD

Catalpa Bungei	Mountain Ash
Cut-Leaved Birch	Mulberry-Teas Weeping
Camperdown Weeping Elm	Willow Weeping

TREES WITH COLORED FOLIAGE

Maple Schwedlerii—(Purplish foliage).
Prunus Pizzardi—(Flowering bloom) purple
Poplar Bolleana—Silvery underneath leaves.

EVERGREEN TREES

Arbor Vitae	Pines
Junipers	Spruces

HARDY CLIMBERS FOR SPECIAL SITUATIONS

Climbers for Shady Places —Celastrus Bittersweet, Aporosa, Tuberosa, Hop Vine, Honeysuckle, English Ivy.	Climbers for Hot Sunny Situations and Southern Aspect —Bignonia Radicans, Clematis Paniculata, Honeysuckles, Roses.	Climbers for North Aspects —Clematis Jackmanii, Ampelopsis Veitchii (Boston Ivy), English Ivy	Climbers for Eastern or Western Aspects —Ampelopsis Engelmannii, Cinnamon Vine, Matrimony Vine, Climbing Roses.
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TABLE OF DISTANCES FOR PLANTING FRUIT TREES, ETC.

Apples, Standard, 30 to 40 ft. each way.	Apricots, 16 to 18 ft. each way	Blackberries, 6 to 8 ft. each way.
Pears, Standard, 20 to 25 ft. each way	Quinces, 12 ft. each way	Strawberries, 1 1/2 to 3 ft. each way
Cherries, 18 to 20 ft. each way.	Currants, 3 to 4 ft. each way	
Plums, 16 to 18 ft. each way	Gooseberries, 3 to 4 ft. each way.	
Peaches, 16 to 18 ft. each way	Raspberries, 3 to 4 ft. each way	Grapes, 8 to 10 ft. each way.

EVERY SEED A STURDY PLANT

Thomas
Laxton

Davis Perfect

Golden Bantam

1924
Garden Guide
Porter-Walton Co.
Salt Lake

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