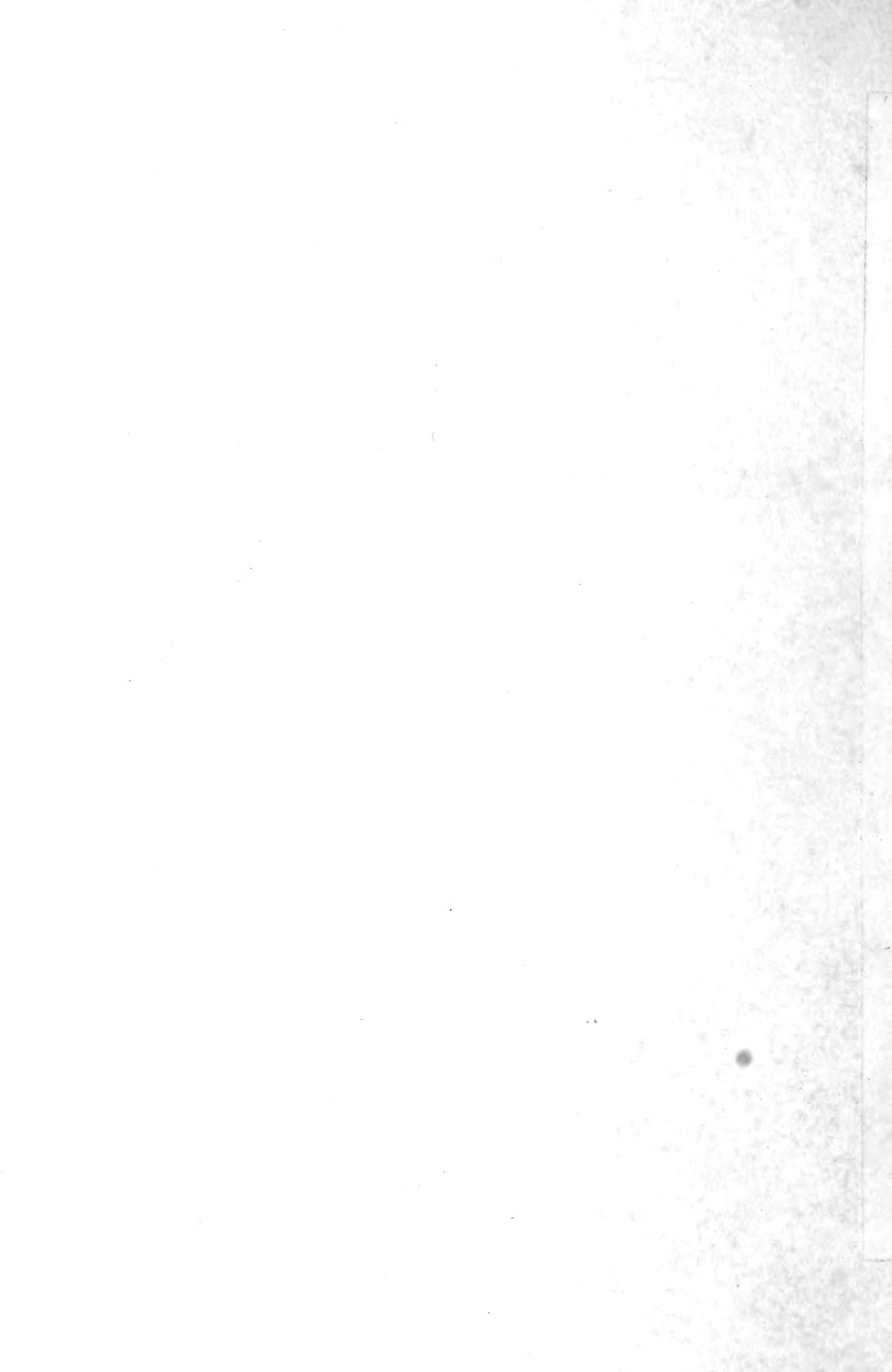


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Aabing Boyce  
Seed Co.

89 PIKE ST  
SEATTLE

*HERCULES*

1917  
CATALOG

## CUT FLOWER DEPARTMENT

In addition to our large trade in flowering and ornamental plants, we do an extensive business in cut flowers. We grow every popular flower of the day, and can fill orders of the largest size on short notice. We prefer to forward cut flowers by express, as they will not receive the rough handling that is in practice with postoffice employees. Orders by mail, telegraph or long distance telephone will receive prompt attention.

The following prices prevail during the greater part of the year:

- ROSES. Pink, white, red. Per doz., \$1.00 to \$2.50.  
 CARNATIONS, pink, white, red. Per doz., 50c to 75c.  
 CHRYSANTHEMUMS. (Oct. Nov.) Selected flowers. Per doz., 75c to \$4.00.  
 CALLA LILIES. (Jan. to May.) Per doz., \$2.00.  
 EASTER LILIES. (Jan. to May.) Per doz., \$2.00 to \$2.50.  
 LILY OF THE VALLEY. (Jan. to April.) Per doz., \$1.00.  
 VIOLETS. Double or single. Per bunch, 25c.  
 SMILAX. Per large string, 25c.  
 BRIDES' BOUQUET. Each, \$2.50 to \$5.00.  
 BRIDESMAIDS' BOUQUETS. Each, \$2.50 to \$5.00.

## ORNAMENTAL FERNS

Under this heading we include those sorts which being hardy in character and of strong growth are most valuable as house plants grown as specimens in pots or jardiniere. All belong to the Nephrolepis family and are very easily grown.

### OSTRICH PLUME FERN (Whitman).

One of the most wonderful and beautiful plant introductions of the present age. This new sort is a sport from the well known Boston Fern, the habit of growth being the same but with the pinnae being divided, as are the fronds. A matured plant has a beautiful feathery appearance, and we think it is one of the grandest of decorative house plants. Plants by express, 50 cents, 75 cents, \$1.00 and \$1.50 each.

**BOSTON FERN.** Grown into large specimens this is one of our finest decorative plants. Long swordlike fronds gracefully arch in every direction. Of the easiest possible culture. More largely grown than any

other variety in commerce. By express, 50 cents, 75 cents, \$1.00 and \$1.50 each.

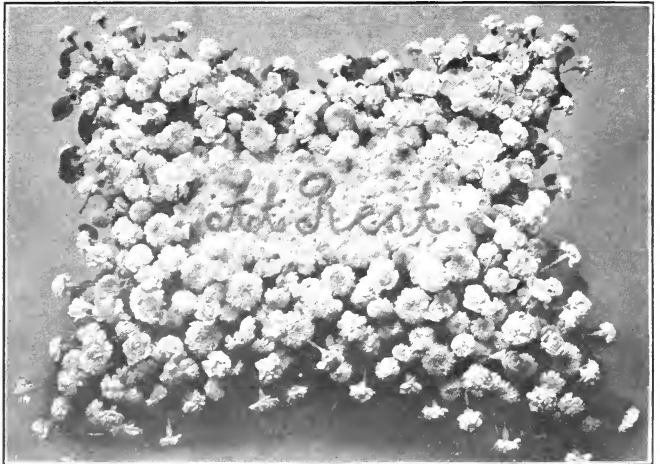
**ROOSEVELT FERN.** The grandest fern of its class yet introduced. It resembles the world-famous Boston Fern, but produces twice as many wide, drooping fronds, and the pinnae are beautifully undulated, giving a pronounced wavy effect seen in no other variety. It has sprung into wonderful popularity, and when better known will be wanted by every one. 75 cents, \$1.00 and \$1.50 each.

**NEWPORT FERN (Scotti).** A dwarf, compact form of the well-known Boston Fern. Always makes a neat, shapely plant even when quite small. A little gem for house culture. 75 cents, \$1.00 and \$1.50.

## FUNERAL DESIGNS

We have for many years given this branch of our business special attention, having at all times a skilled artist devoting his time to the making up of set pieces. Any special design or society emblem can be made by us on short notice. The following are the most popular designs:

	Each.
Wreaths, 14 to 28 in.....	\$3 to \$10
Crosses, 14 to 28 in.....	3 to 10
Anchors, 14 to 28 in.....	3 to 10
Hearts, 14 to 28 in.....	4 to 10
Pillows, 16 to 28 in.....	4 to 12
Harp, 24 to 42 in.....	6 to 15
Lyre, 24 to 42 in.....	6 to 15
Broken Column, 24 to 42 in.....	10 to 25
Broken Wheel, 24 to 42 in.....	6 to 15
Gates Ajar, 24 to 42 in.....	6 to 20
Odd Fellows' Design.....	7.50 to 15
Eastern Star Design.....	4 to 10
Sqr. & Compass (Masonic).....	5 to 15
Cross & Crown (Masonic).....	10 to 25
Elks' Club (B.P.O.E.).....	5 to 20
Moose Club.....	5 to 15
Knights of Columbus.....	5 to 20
Knights of Pythias (K. of P.).....	5 to 15
Maccabees.....	5 to 15
Woodmen of the World (W. O. W.).....	5 to 15
Foresters.....	5 to 15
Redmen.....	5 to 15
Christian Endeavor (C. E.).....	5 to 15
Epworth League.....	5 to 15
Casket Spray, Rose, Carnation or Lilies.....	2.50 to 10



ANY NAME DESIRED CAN BE INSERTED IN ABOVE PILLOW

ABOVE PRICES INCLUDE PACKING, BUT NOT EXPRESS CHARGES



THE HOME OF PRODUCTIVE  
TESTED SEEDS

# AABLING-BOYCE SEED COMPANY'S

COMPLETE 1917 SEED and PLANT

# MANUAL

## COMPRISING

A Comprehensive Collection of Flower and Vegetable Seeds, Cut Flowers and Floral Designs, Plants, Roots, Grass, Clover and Field Seeds, Fertilizers, Spraying Materials and Appliances, Poultry and Stock Supplies, Bee Supplies, Garden Tools, Valuable Tables and Information for the Agriculturist.

**W**E wish to announce to both our old and prospective customers, that we have established in our office a special Bureau of Advice and Information, which will be pleased to give expert information on any problem that is vexing the amateur gardener. Write us freely of your garden troubles and we will give them our careful attention and consideration.

PHONE  
MAIN 2804

89 PIKE  
STREET

**Aabling-Boyce Seed Company**

SEATTLE,

WASHINGTON

PACKING  
GROUNDS  
FOURTH  
and  
VIRGINIA  
STREETS

**OUR SEEDS GROW**

## TO OUR MANY FRIENDS AND CUSTOMERS

We send a word of cheer and greeting for the New Year and wish you success in all things, and most particularly, for in that we are most directly concerned and interested, we wish you success in growing things, for there is no greater satisfaction, to our minds, than watching things grow and mature which we have planted and tended, and by cooperating with Nature add to the esthetic and economic resources of our community and the world at large.

To this end, it is **OUR PART** to give you a good start by furnishing you with seeds of perfect quality, full of the wonderful, life-giving energy that must be embodied in the tiny seed if the resulting plants are to be strong and vigorous, and we have left nothing undone that our long experience tells us is necessary to accomplish this purpose.

Seeds that thrive best in Washington when grown in Washington, we either grow ourselves or buy from persons personally known to us for their absolute integrity and trustworthiness; seeds that are better, more virile and productive when grown in their native soils, we buy abroad from trusted agents.

Not even satisfied with this, we test all seeds for germination qualities and also to be sure that they are true to name, by the most scientific, modern methods.

It is **OUR BUSINESS** to sell you **SEEDS THAT GROW**, and we feel that we have accomplished this as nearly as human care can do it.

To show that this extreme punctilliousness has its reward in the satisfaction which our seeds give to our customers, we append a few letters in which some of our generous customers have expressed their appreciation and told us of the results obtained by them from our seed. It is such letters as these that give us new enthusiasm in our work and stimulate us to fresh endeavor to "make good" in the future.

## A FEW TESTIMONIALS FROM OUR CUSTOMERS

Enumclaw, Wash., Route No. 1.  
Ford, Wash., Oct. 16, 1916.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Gentlemen: Yours of the 9th to hand and must say that all of the seed I got from you last spring was satisfactory.

The corn was fine but did not ripen; would like to have had some for seed, but we have enjoyed the green corn, it was out of sight. Please send me one of your catalogues.

Yours respectfully,  
R. J. ELLIOTT,

Shelton, Wash., Oct. 14, 1916.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Dear Sirs: I have been very successful with your garden seeds, and the seed of Golden Cream Corn is the best I have ever tried here and I find it very hardy, as the frost has killed other corn I planted and still have the Golden Cream Corn for market. I would be very glad to receive your catalogue, especially of Flower Bulbs.

Yours very truly,  
H. STEIDLER, R. F. D. 2.  
Clear Lake, Wash., Oct. 14, 1916.

Enumclaw, Oct. 21, 1916.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Have planted your Garden Seeds the last two years. Am very well satisfied. I think every seed grew. Please send your catalogue.

Yours truly,  
ED. INGLIS,

Anacortes, Wash., Oct. 26, 1916.

Aabling-Boyce Seed Co.

Dear Sirs: Enclosed please find 25c for oz. of Mixed Giant Spencer Sweet Peas, also 3 pkts. of Grandiflora, 15c. I am ordering from Spring Catalogue. I would enclose an order for Tulips if I had received the Fall Catalogue.

Having lived in Washington, D. C., the greater part of a long life, I naturally sent East for seeds and bulbs, but the last two years have convinced me that I get far better results by using shrubs, garden and flower seeds from The Aabling-Boyce Seed Co.

Respectfully yours,  
MARY E. POST.

Elma, Wash., No. 1.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Dear Sirs: I received your Double Poppy Seed, many thanks. The seeds we bought from you were all good. We had a lovely garden; everyone said we had the best garden in Clear Lake. Please send your new catalogue.

MRS. MARION T. BOYD,  
Clear Lake, Wash.

Shelton, Wash., Oct. 16, 1916.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Yours of October 9th at hand. In reply will say, I would be pleased to receive your catalogue. Your seeds were the very best. I have mangles from them at this time that will weight close to twenty pounds.

Yours truly,  
W. J. BEEKER.

These are just a few of the many expressions of satisfaction and good will that have come to us recently and perhaps the best indorsement of all is the great increase in our business for the year that is past. This is solid recognition, indeed, and of the kind that makes it possible to enlarge our service and extend our operations.

We solicit anew your kind patronage and hope to make of 1917 **THE BANNER YEAR**.

## WILL YOU HELP US DO IT?

**ABLING-BOYCE SEED COMPANY**  
SEATTLE, - - - - - WASGTON

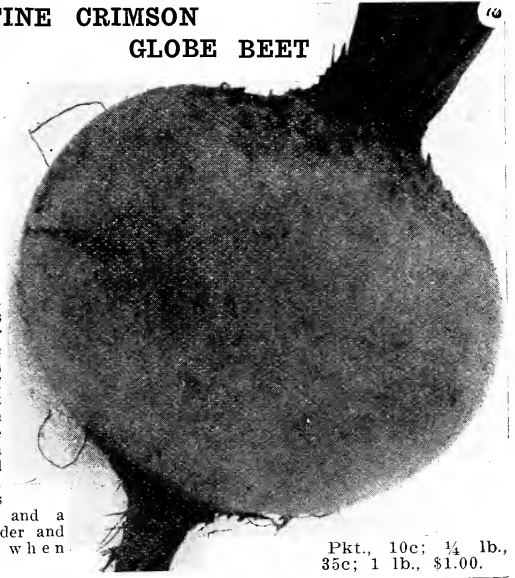
**SPECIALS FOR YEAR 1917—LOOK THEM OVER, IT WILL PAY**

**ASPARAGUS—Extra Early, Palmetto**

Larger, earlier, more uniform in size; more prolific and disease-resisting than any other Asparagus grown. Seeds, pkt, 10c, oz. 25c, ¼ lb. 60c.

We would suggest that you purchase two-year-old plants of this variety; in this way you get away from the trouble of raising and gain two years in the growing. Doz. 35c, 25 for 50c, 100 for \$1.50.

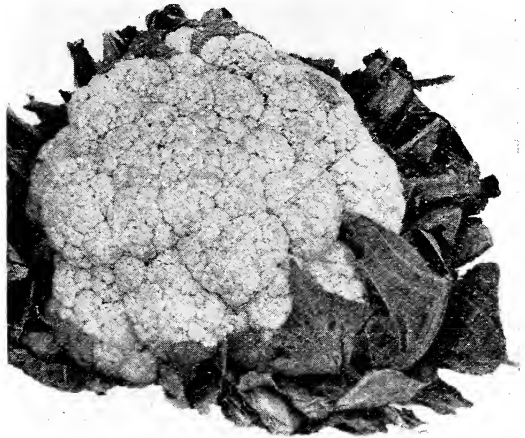
**FINE CRIMSON  
GLOBE BEET**



A fine shaped beet that is very popular amongst the gardeners in all sections of the country. It is medium size, fine shaped, with a smooth and even surface. The flesh is deep crimson and a fine color, tender and fine flavored when cooked.

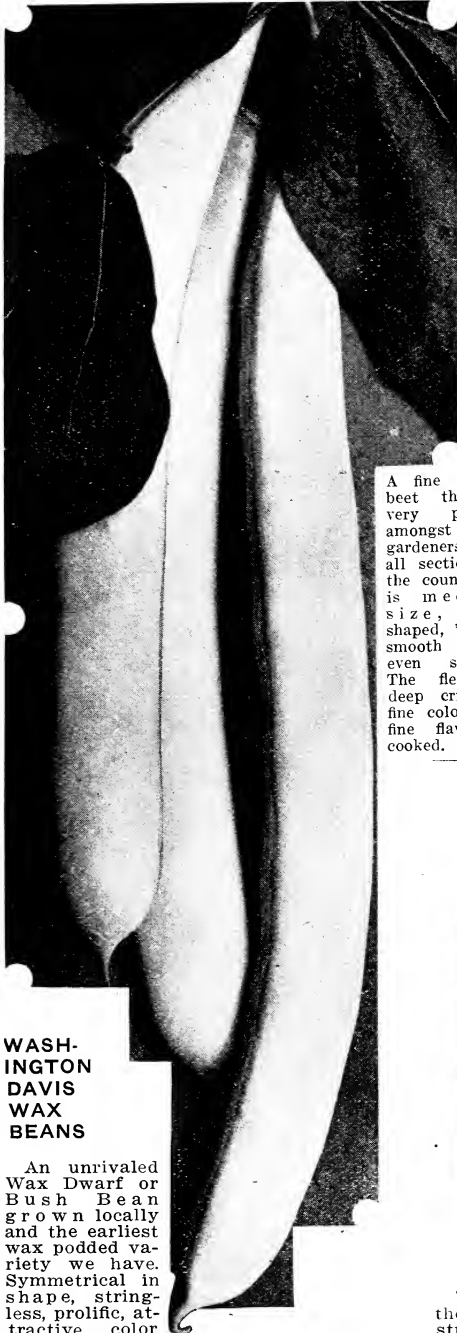
Pkt., 10c; ¼ lb., 35c; 1 lb., \$1.00.

**CAULIFLOWER**



**COPENHAGEN—SNOWBALL—Par Excellent**

The demand for this seed with us is enormous, because the market gardeners have found out that our selected strain of Danish Snowball seed is as good as can be had. There is none its equal by reason of its compact, upright habit, quick growth and sure heading quality. This is not a summer or dry weather variety and must be sown early to get the best results. Pkt., 25c; ¼ oz., \$1.50; oz., \$4.00. Plants in proper season, doz., 20c; 35 for 50c. See cut.



**WASHINGTON  
DAVIS  
WAX  
BEANS**

An unrivaled Wax Dwarf or Bush Bean grown locally and the earliest wax podded variety we have. Symmetrical in shape, stringless, prolific, attractive color and a favorite with the gardeners. It is thoroughly acclimated and it is our opinion that it will be quite a favorite. Pkt., 10c; lb., 30c.



**SELF-BLANCHING CELERY**



Stalks  
Thick,  
Crisp  
and  
Brittle.  
Blanches  
a  
Beautiful  
Waxen  
Yellow.  
An  
excellent  
variety  
of French  
origin.  
This is  
the  
variety  
grown

largely for market, but it is equally valuable for the private garden. It is very early, blanches quickly and its rich color makes it quite attractive. The habit of the plant is short and stocky; the stalks are broad, thick and very solid. It develops a large heart quite early in its growth, which makes the greater part of the plant edible. It is fit for use early in September, and remains in use until the later winter sorts mature. Pkt., 10c; oz., 50c; ¼ lb., \$1.50. Plants, doz., 20c; 36 for 50c.



**DWARF GREEN CURLED SCOTCH**

This is the most popular Kale for general use. The leaves are very tender, beautifully curls and crimped and a bright green in color. It makes excellent greens for winter and spring, as it will stand frost and snow and is of fine flavor. Our seed is Washington grown and acclimated. Pkt., 5c; oz., 10c; ½ lb., 50c; lb., 75c

**CARROTS---Chantenay**

We have always specialized on this particular carrot and have always used a selected strain of imported seed, thus assuring the rich, bright orange colored, juicy, sweet, crisp carrot much unlike the tough variety that is so common. It is a half-long variety, broad at the neck and tapers to a blunt base. Pkt. 10c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.50.

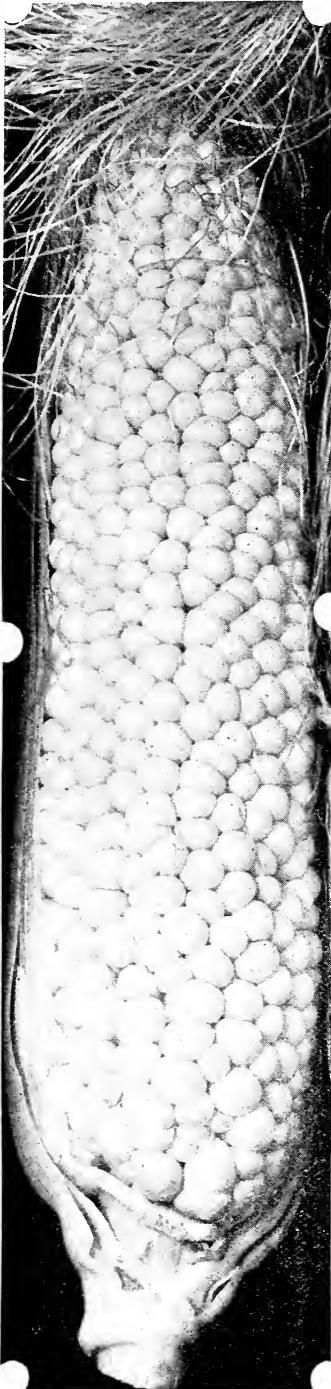
**DAVIS PERFECT CUCUMBER**

A type of white spine which is certain to meet with favor either for forcing or open ground



culture. It is a handsome, extra long Cucumber, delightfully flavored, and retains its deep glossy green color

until near maturity. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1. Danish Pickling Cuke; this is the result of years of endeavor on the part of its originator to produce a perfect Cucumber and experts declare that in producing it he reached his goal. It grows very long, sometimes 12 inches, and is very tender and brittle and of fine flavor. Pkt., 10c.



## SPECIALS FOR 1917

### **CORN** THE COUNTRY GENTLEMAN or SHOE PEG, ONE OF THE LATE VARIETIES

Has a long white cob closely filled with long small shoe peg kernels. It is remarkably fine flavored and sweet. Pkt., 10c; lb., 25c, postpaid by express or freight. Lb., 20; 10 lbs., \$1.75.

### **GOLDEN CREAM OR YELLOW COUNTRY GENTLEMAN**

Is the most delicious sweet corn known, large ears, luscious, tender and milky, and remains "in the milk" longer than any other variety. Resembles the Golden Bantam in color but is a late variety and a fine one to end the season with. Pkt., 10c; 1 lb., 25c.

### **GOLDEN BANTAM**

needs no introduction. Our stock will be the same selected strain we always have and it can't be beat for a garden corn. For sweetness or yield these two varieties will give you corn all season. Pkt., 10c; 1 lb., 25c.

### **CABBAGE** COPENHAGEN MARKET CAB- BAGE—

The Finest Grown  
ANYWHERE

Greatest Favorite  
in the Market.  
Very Early.



Sold under all kinds of names, but the original stock can not be beat for an early, round-headed cabbage. It is the earliest of its shape, exceptionally large and heads very similar; has a short stem and but few outer leaves. It is recommended for the house and market gardeners' use. Pkt., 10c; oz., 30c; ¼ lb., 75c.

### **DANISH BALDHEAD CABBAGE.**

Selected stock seed, needs very little introduction, but it can't be beat for late cabbage. A fine keeper, heads large, solid, and when trimmed weighs at least one-quarter more than any other cabbage its size. Pkt., 10c; oz., 30c; ¼ lb., 75c.

We can supply plants of either of these varieties. Doz., 15c; 25 for 25c; 100 for 75c.

### **PEAS**

#### **ALDERMAN.**

A new pea like the telephone, only better. The vine is a large, quick grower, and pods always well filled with large peas. For a pea which is a tall one, there is none so good as the Alderman. Pkt., 10c; 1 lb., 30c.

#### **GRADUS OR PROSPERITY.**

The earliest, largest, highly flavored pea grown. We have some extra fine local grown seed that will produce wonderful results. This, together with a later variety, should be planted in every garden. Pkt., 10c; 1 lb., 30c.

**OUR FERTILIZERS HAVE BEEN TESTED BY THE STATE AND THE ANALYSIS IS ON EVERY PACKAGE. If your ground is not producing as it should, read up on our "Fertilizing Department" and find out what it needs. This is the only way to keep in the lead with your products.**



### CHINESE CABBAGE.

**An Importation of Great Merit. Try It.**

The culture for Chinese Cabbage is the same as for Winter Cabbage. The seed should be sown in July or early August, and early in September the plants should be transplanted. They should be



set one foot apart in the row and pushed down one and one-half inches in the ground. When well grown the plants should be blanched by tying closely with burlap. Any good soil is sufficient, but they seem to head up best on rich black adobe soil.

This is an importation from China that is greatly relished by most Americans. It was formerly only to be obtained from the Chinese gardener, but on account of the popular demand for it, is now grown by most of the progressive gardeners on the coast. It is cooked as greens, being tender and succulent and very delicious. Pkt., 10c; oz., 25c; ¼ lb., 50c.

### LETTUCE; THE BIG BOSTON WHITE SEED LETTUCE.

Resembles Boston Market, but nearly twice as large; desirable for forcing and spring and fall outdoor planting. Pkt., 5c; oz., 20c; ¼ lb., 50c.

#### NEW YORK.

This is the finest variety of head lettuce in the market and fastly taking the place of all others grown by the market gardeners. The heart bleaches beautifully and is crisp, tender and delicious. It roots deep and is thus able to resist hot, dry weather. It is grown extensively in all sections of the country as a standard summer variety. Pkt., 10c; oz., 25c; ¼ lb., 75c.

#### "ROMAINE" COS LETTUCE

Early White Self-folding.

Is by far the best of the Cos, or Romaine, varieties. These are becoming very popular; they have a distinct and pleasing flavor. The long, spoon-shaped leaves form oval-shaped heads. The leaves are yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt., 5c; oz., 20c; ¼ lb., 75c.



### SPINACH

#### EARLY GIANT THICK-LEAVED.

A quick growing sort and one of the best for wintering over. It is of large size, rich green color and excellent quality. Per oz., 5c; ¼ lb., 50c; lb., \$1.00.

#### BLOOMSDALE SAVOY LEAVED.

The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Per oz., 5c; ¼ lb., 50c; lb., \$1.00.

### PUMPKINS

This strain produces the biggest Pumpkins grown, sometimes measuring 6 feet in circumference and weighing 200 to 250 pounds; outside color, deep orange yellow; flesh very thick, fine grained, tender, of bright yellow color, and of excellent quality for pies and other uses. Pkt., 5c; oz., 15c; ¼ lb., 50c.

### SQUASH.

This new fall and winter squash resembles the old Hubbard; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The flesh is meaty, granulated, tender and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

### EGG PLANT.

#### New York Improved Sjineless.

This variety is largely grown and produces the Egg-plants in great quantities, as the plants bear from six to eight fruits each. They are large, nearly round, dark purple, free of thorns and of excellent quality. Grows to a very large size, and fine flavored. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

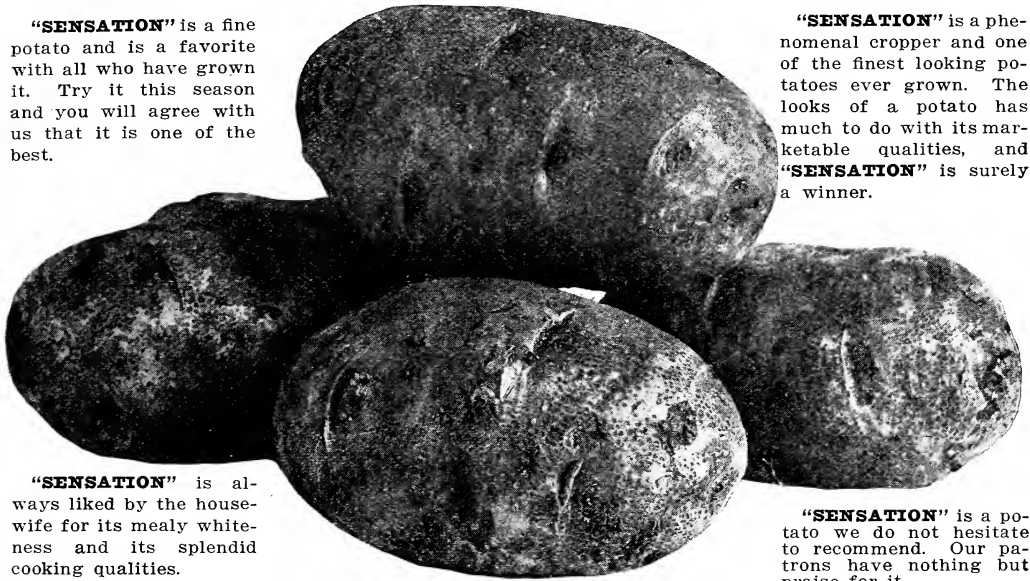
### RUTABAGA.

#### Improved American Purple-Top.

This strain is of American origin, bred to a smaller top and short neck. The bulbs are of great size, yellow-fleshed and purple crown; one of the most desirable varieties now cultivated. Pkt., 5c; oz., 10c; lb., 75c.

## POTATOES

"**SENSATION**" is a fine potato and is a favorite with all who have grown it. Try it this season and you will agree with us that it is one of the best.



"**SENSATION**" is always liked by the housewife for its mealy whiteness and its splendid cooking qualities.

### SENSATION POTATO.

We have sold this variety for three years and have had the finest reports from parties to whom we have sold them. It produces an extremely large crop of medium large, slightly flattened tubers, smooth, white skinned and very attractive in appearance. Per lb., 5c; 25 lbs. for \$1.00; 100 lbs., \$4.00. (Include postage or we will send by express or freight.)

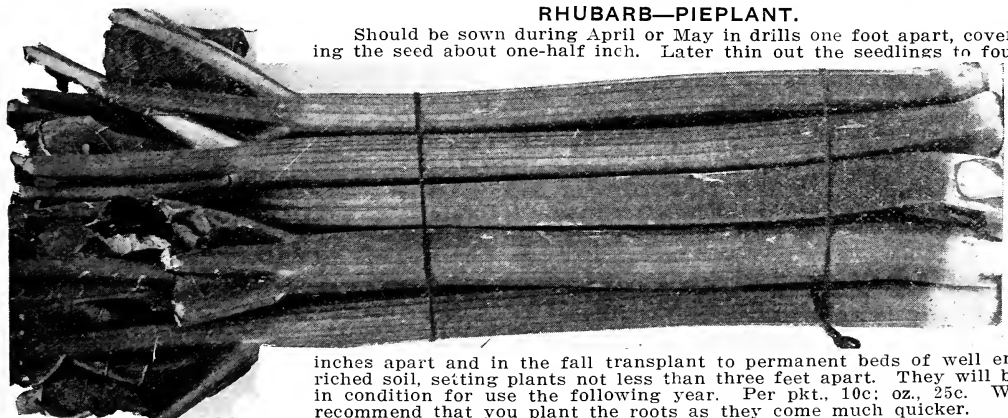
### ROCKY FORD OR NETTED GEM.

One of the Best of the Cantaloupes.

A grand sort for general early use; very early; productive, uniform and finely netted; flesh rich green, deliciously sweet and melting. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

### TURNIPS (Petroski)

The earliest and best golden yellow turnip. Resembles the Golden Ball, but is sweeter and comes earlier. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.



### RHUBARB—PIEPLANT.

Should be sown during April or May in drills one foot apart, covering the seed about one-half inch. Later thin out the seedlings to four

inches apart and in the fall transplant to permanent beds of well enriched soil, setting plants not less than three feet apart. They will be in condition for use the following year. Per pkt., 10c; oz., 25c. We recommend that you plant the roots as they come much quicker.

"**SENSATION**" is a phenomenal cropper and one of the finest looking potatoes ever grown. The looks of a potato has much to do with its marketable qualities, and "**SENSATION**" is surely a winner.

"**SENSATION**" is a potato we do not hesitate to recommend. Our patrons have nothing but praise for it.

### PARSLEY.

Densely crimped and curled, dark green leaves; beautiful for garnishing; a very select and productive stock. Pkt., 5c; oz., 10c; lb., 75c.

## RADISHES

### SCARLET, WHITE TIPPED.

This is the most popular variety of all amongst private gardeners. It is a most satisfactory sort in every respect and surpasses as a table radish. The flesh is crisp, white and tender, and very mild. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

### SAKURAJIMA

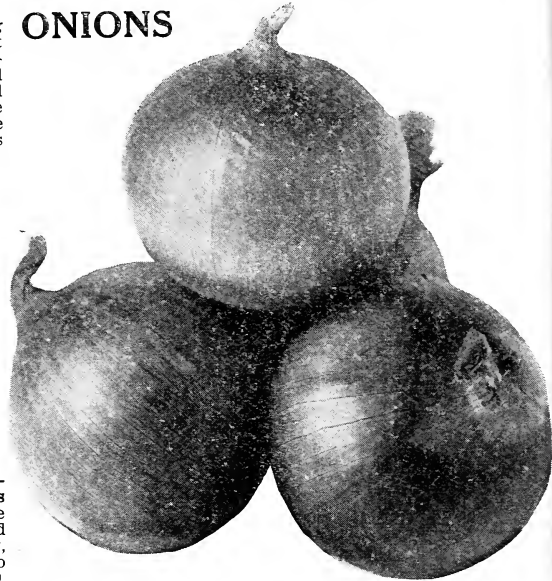
A Japanese variety, grows to enormous size, often 12 inches long. Pure white and flesh is always mild, crisp and tender. The Japanese gardeners make a specialty of growing them. Pkt., 10c; oz., 20c; ¼ lb., 60c.

**AILSA CRAIG.**

A very large imported variety, rapidly gaining popularity in America. This is one of the largest of all varieties of onions which is used very extensively in private gardens for ordinary use and for exhibition purposes. It is a little flattened at the base and slightly pointed at the top. The skin when ripe is rather dark straw color, the flesh pure white, very mild in flavor and always quite tender. Pkt., 10c; oz., 40c.

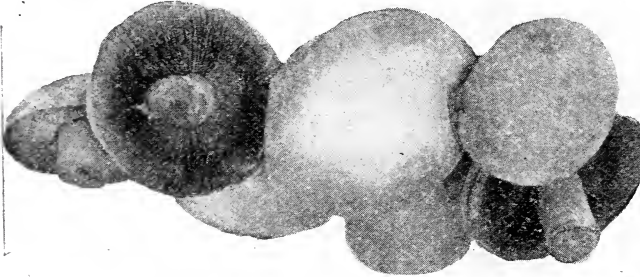


**ONIONS**



**YELLOW ONION SETS.**

If you want to have early onions in your garden, use our Yellow Onion Sets. The trouble is much less than if seed is used and the crop more certain, as the danger from insects is reduced to a minimum. When grown for family use, only, the difference in expense is a trifle compared to the advantages gained. Lb., 20c; 10 lbs., \$1.50. Postpaid.



**WHITE ITALIAN  
TRIPOLI**

**A fine bunching onion**

A large, globe-shaped onion, with clear white skin and pearl-white flesh. Of mild, sweet flavor. Not a good keeping onion, but much esteemed as a garden sort. Pkt., 5c; oz., 25c; ¼ b., \$2.25.

**Illustration of Lambert's Mushroom Spawn.**

**LAMBERT'S MUSHROOM SPAWN.**

The white thread-like substance seen permeating the brick or tablet in which Mushroom Spawn is sold is called Mycelium. The edible part of the Mushroom is analogous to the flower in other plants. The spawn as sold is in a dormant condition, growth being suspended by withholding moisture. The task for the grower is to cause it to revive and resume growth. This is accomplished by placing the spawn in prepared beds of fresh horse manure and soil, which may be made in a shed, cellar, or under greenhouse benches. Next to proper preparation the most important thing is to maintain a uniform and moist air temperature of 50 to 60 degrees. Full directions given in pamphlet, free if asked for.

Lambert's Pure Culture Spawn, always fresh, full description as to how to plant, upon request. 25c per brick; 5 for \$1.00.

**SPARKS' EARLIANA TOMATO.**

The tomatoes are bright red and grow close together in clusters; all of medium size, averaging 2½ inches in diameter. They are smooth and solid, quite thick through and free from rough ribs or cracks. The flesh is a deep red, with solid center and small cells; slightly acid flavor. Best for this vicinity. Pkt., 5c; oz., 20c.

**EARLY SUNSHINE TOMATO.**

The very earliest and best variety for outdoor culture. The plant is strong in constitution and is the heaviest cropper of all the new sorts. It produces bunches of ten to fourteen tomatoes freely. The fruits are of medium size, perfectly round, smooth, and of the finest quality. Trade pkt., 25c.





# REMEMBER---OUR Seeds are TESTED SEEDS



## POT, SWEET AND MEDICINAL SEEDS

NAME OF SEED	Pkg.	Oz.	1-4 lb
<b>ANISE.</b> Seeds aromatic.....	\$0.05	\$0.10	\$0.25
<b>BORAGE.</b> Leaves used as salad..	.05	.15	.40
<b>BASIL.</b> Sweet for flavoring.....	.05	.10	.25
<b>CARAWAY.</b> For flavoring.....	.05	.10	.25
<b>CHEEVIL.</b> Double curled.....	.05	.10	.25
<b>CORIANDER.</b> For flavoring.....	.05	.15	.45
<b>CATNIP.</b> Cat mint.....	.10	.40	1.00
<b>DILL.</b> For flavoring.....	.05	.10	.25
<b>FENNEL.</b> Sweet.....	.05	.10	.25
<b>LAVENDER.</b> Fragrance.....	.05	.10	.45
<b>MARJORAM.</b> Sweet.....	.05	.15	.45
<b>MINT.</b> Peppermint, 100 seeds.....			.15
<b>MINT.</b> Spearmint, 100 seeds.....			.75

NAME OF SEED	Pkg.	Oz.	1-4 lb.
<b>ROSEMARY.</b> Aromatic oil.....	\$0.10	\$0.30	\$0.90
<b>RUE.</b> Medicinal qualities.....	.10	.30	.90
<b>SAGE.</b> Flavoring.....	.05	.15	.50
<b>SUMMER SAVORY.</b> Flavoring.....	.05	.10	.25
<b>SORREL</b> .....	.05	.30	.90
<b>SAFFRON</b> .....	.10	.30	.90
<b>TANSY.</b> Medicinal.....	.05	.10	.25
<b>TARRAGAN.</b> Roots.....	.10	.45	1.00
<b>THYME.</b> French.....	.10	.45	1.00
<b>THYME.</b> German.....	.10	.45	1.00
<b>WOODRUFF</b> .....	.15	.60	.....
<b>WORMWOOD.</b> Medicinal.....	.05	.20	.....

### ARTICHOKE

Sow the seed early in May and transplant into rows 3 feet apart in deep, rich soil. Protect during winter.

#### FRENCH GREEN GLOBE.

Pkg., 5c; oz., 35c.

#### JERUSALEM, OR TUBEROUS ROOTED.

Grown especially for hog feed and often yields 20 tons to the acre. Per lb., 20c postpaid; 100 lbs., \$4.00 by freight.

### ASPARAGUS

Sow one ounce for 60 feet of drill. When two years old transplant into permanent beds which should be well and deeply manured to the depth of two feet. Set the plants from 3 to 4 feet apart and 2 feet in the row, spreading out the roots and covering from 6 to 8 inches. On the

approach of winter cover with manure. Fork the bed early in the spring and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

#### COLUMBIA MAMMOTH WHITE.

Producing large white shoots in abundance of extra fine quality. Pkt., 10c; oz., 15c.

#### CONOVER'S COLOSSAL.

A standard white variety that is used exclusively for canning. Pkt., 10c; oz., 15c.

#### PALMETTO.

Very large early and prolific green variety. The one mostly planted. Pkt., 10c; oz., 15c.

### ASPARAGUS ROOTS

Large vigorous, two-year-old roots of Palmetto and Colossal varieties always on hand. Best results are obtained by planting in February. Post-paid, 25c per doz.; \$1.00 per 100.

*GOOD SEEDS are essential, but to obtain the best results your soil must be good. Use our fertilizers and note the difference in results.*

## BEANS CULTURE.

Beans require a light friable soil, with plenty of moisture, and they are sensitive to frost. They should not be sown earlier than April. In the garden the soil should be made mellow and rich, and all pole varieties should be provided with poles or a trellis on which to climb. For a garden crop plant string beans in a succession every four weeks throughout the season. Sow in rows 18 inches to 24 inches apart and cover them from one to two inches deep but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if vines are allowed to become dry.

### BURPEE STRINGLESS.

This variety produces an abundance of large, green pods, which are very tender and of excellent flavor. One of the earlier sort. Pods are long and slender. Pkt., 10c; lb., 25c.

### GERMAN BLACK WAX.

A favorite main crop wax variety. They are solid and tender. A great producer and one of the varieties we recommend for the home gardens. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

### WHITE CREASBACK.

An early green podded variety. Pods five to six inches in length, deeply creased or saddle backed and borne in clusters. Are very fleshy and stringless. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

### DREER'S BUSH LIMA.

Very prolific, single plants often produce 150 to 200 pods. The beans grow close together and often produce five beans to the pod. Tender, sweet and very juicy. Pkt., 10c; lb., 30c; 10 lbs., \$2.00, postpaid.

### BURPEE BUSH LIMA.

The best late variety. Plants eighteen to twenty-four inches high, very prolific. Will bear until stopped by frost. Pkt., 10c; lb., 30c; 10 lbs., \$2.50, postpaid.

## DWARF BUSH—GREEN PODDED

### DWARF HORTICULTURAL.

A very vigorous variety with large leaves; used as a shell bean, green or dried. Pods are of medium length, slightly curved, and when nearly ripe are striped and splashed with crimson on yellowish-brown; seed pale pink, splashed with bright red. Pkt., 10c; lb., 30c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

### ENGLISH, OR BROAD WINDSOR.

This is not a string bean of any sort but a very well-known, popular variety with many farmers. Familiarly known as the Horse Bean. Pkt., 10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.50, by freight or express.

### WARDELL KIDNEY WAX.

Most popular of all varieties for either market or home use. Matures in five to six weeks. A strong, vigorous grower and bearing heavy crops. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

### DAVIS' WHITE KIDNEY WAX.

This variety is the most hardy and productive of the wax beans. The one the market gardeners plant the most of and the finest flavored bean we know. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

### LAZY WIFE.

This sort is very popular, as its name indicates. A handful of choice stringless beans at a grab. The beans are white and make a fine bean for winter use. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

### EARLY LONG YELLOW—SIX WEEKS.

A long podded green variety. Plants strong and vigorous. Seeds long kidney shaped, light yellow. Pkt., 10c; lb., 25c, postpaid.

### HENDERSON'S BUSH LIMA.

The earliest variety of lima bean, being two weeks earlier than any other we have. Beans are small. We recommend this very highly. Pkt., 10c; lb., 30c; 19 lbs., \$2.50, postpaid.

### LARGE WHITE LIMA OR BUTTER.

A splendid pole variety, quite early, rich and fine flavored. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

### REFUGEE, OR 100 TO 1.

A variety rather later than other green pods, plants large, strong, very hardy and a heavy yielder. Seeds yellowish heavily splashed with bluish-black. Pkt., 10c; 1 lb., 25c, postpaid.

### EARLY RED VALENTINE.

A popular variety. Pods of medium size and length, practically stringless. Seed pink, marked with red. Pkt., 10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.75, by express or freight.

### SUPERIOR GOLDEN WAX.

An old, well-known variety that does especially well in this section of the country. Pods long, semi-round, golden yellow in color. Pks., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

### CLIMBING FLOWERING BEAN, SCARLET RUNNER.

Especially used as a flowering bean. Pkt., 10c; lb., 35c, postpaid.

## POLE OR RUNNING BEANS—GREEN PODDED

### KENTUCKY WONDER.

The vine is vigorous, climbing well and very productive bearing, its pods in large clusters often reaching nine to ten inches in length. They are nearly round and very crisp when young. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

### FALL HORTICULTURE OR CRANBERRY.

An old favorite. Pods short, pale green, becoming splashed with brownish red. Valuable either green or dry shelled. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

### WHITE DUTCH CASE KNIFE.

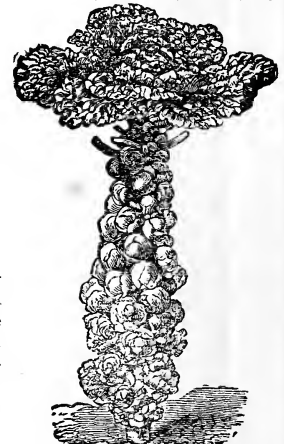
A climbing variety with long, flat, irregular pods, which become creamy white as they mature. Seeds broad, flat and clear white. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.75, by freight or express.

## SPROUTS BRUSSELS

Pkt., 5c; oz., 20c; ¼ lb., \$1.75.

## IMPROVED TALL HERCULES.

Semi-tall, new variety, closely set with solid sprouts of fine quality. Hardy sort, stands the winter admirably. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

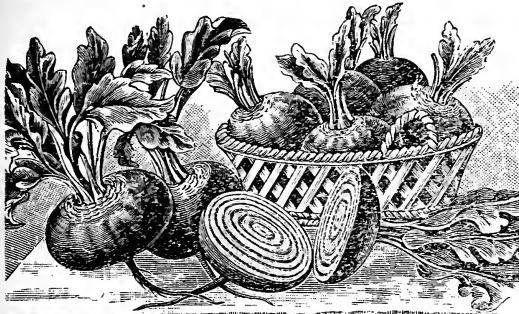




## BEETS

### TABLE VARIETIES.

**CULTURE.** The ground for beets should be rich and well spaded. In this latitude beets are sown in April and May and from August until December. Some market gardeners sow them every month in the year. Seed should be soaked twelve hours before planting. This softens the seed germs and allows the seed germ or germinate quicker. Sow in drills and thin out. Do not plant too early.



#### BASTIAN'S EARLY BLOOD TURNIP.

A good early turnip-shaped beet. The flesh is bright red and white and quality is very good. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

#### CROSBY'S EGYPTIAN.

A round type of Early Egyptian and the best known and most popular variety, is very early and of fine quality. Bright red. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### DETROIT DARK RED.

A blood red early turnip shaped variety. Has small tops, skin and flesh dark red, very tender and sweet. A particularly desirable sort for market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### EARLY ECLIPSE.

A fine early table beet. Sweet and crisp, of remarkable fine form, smooth and free from stringy roots. Color deep red, which it retains after cooking. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### EDMOND'S EARLY BLOOD TURNIP.

A market gardener's strain, regular in shape, round and has a very small top root; flesh a deep blood red, sweet and tender. One of the very best varieties for this section of the country. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### EXTRA EARLY EGYPTIAN.

An old standard sort, both for market gardeners and family use. Produces fine, smooth, deep red roots and about ten days earlier than the Blood Turnip. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### HALF LONG BLOOD.

A half-long variety, about eight inches long and tapering abruptly. Very rich, deep red flesh of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 10 lbs., \$6.00.

#### IMPROVED EARLY BLOOD TURNIP.

Deep red, smooth, uniform size and of excellent quality. One of the best for main crops, as it keeps in condition longer than the other kinds. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### LONG SMOOTH RED.

An excellent late variety, being a great improvement on the common Long Blood. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

#### SUGAR BEET

##### GIANT HALF SUGAR

##### GREEN TOP FOR FEEDING STOCK.

This new Sugar Beet gives nearly as large a yield of easily grown and harvested roots as a crop of Mangels, besides being much more succulent than the ordinary Sugar Beet. It grows well above the ground and is easily pulled. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., \$4.00.

#### MANGEL WURZEL

##### GOLDEN TANKARD MANGEL WURZEL.

Very large yellow fleshed variety. Giant oval shaped, small yellow stemmed top. This is undoubtedly one of the most profitable variety to grow for stock, as it is an enormous cropper. Try some of this variety. Oz., 10c; 1 lb., 45c.

##### GATE POST MANGEL.

A yellow skinned variety with white flesh mixed with yellow. Large and oval shaped. Oz., 10c; 1 lb., 45c.

##### MAMMOTH LONG RED MANGEL.

A particularly fine sort of Mangel. The roots attain enormous size, are smooth and regular in shape. Fine stock food. Oz., 10c; 1 lb., 45c.

#### WATER CRESS

##### FINE CURLED.

(Pepper Grass.) Leaves finely cut or curled like parsley. Used in salads. Pkt., 5c; oz., 10c.

##### TRUE WATER.

Thrives only when roots and stems are submerged in water. Used for garnishing and in salads. Pkt., 10c; oz., 35c.

## STOCK BEETS

#### DANISH MANGEL WURZEL—SLUDSTRUP.

The Best Mangel in the World.

#### WITHOUT AN EQUAL FOR STOCK AND POULTRY.

Because of the high food value of the Mangel for stock-feeding purposes, the always thrifty and progressive Danish Government have for many years offered every incentive to the bringing of it to its highest state of perfection, and the elimination of the defects which formerly contributed to crop failures, etc. As a result the Danish Mangel has long been recognized as being superior to every other, and one of the best paying crops for the stockman.

The highest point of Mangel Culture has been reached in the production of **THE SLUDSTRUP**, which has repeatedly been awarded a first class certificate, which makes it, without a doubt, the best Mangel in the world. It is long, smooth, reddish-yellow in color, grows well above the ground, making it easy to pull, and the crop it yields is phenomenal.

You cannot do better than to put in a big crop of **SLUDSTRUP** and have quantities of fresh, nutritious and wholesome food during the winter months for stock and poultry.

Our seeds are grown by the old reliable growers, Daenfeldt, in Odense, Denmark, for us.

**DANISH MANGEL WURZEL, SLUDSTRUP.** Per oz., 10c; per lb., 60c; 10 lbs., \$4.50. All Mangel pestpaid.

Write us for special prices on large quantities.



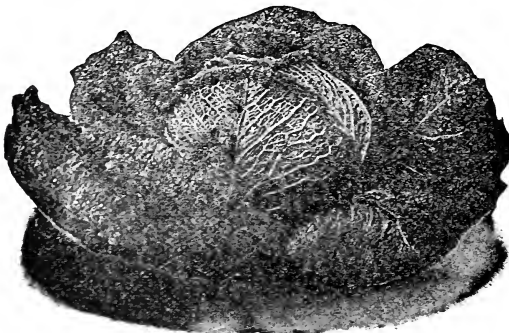
SWISS CHARD

## CABBAGE

### CABBAGE CULTURE.

For very early use sow in January of February in hotbeds; prick out when plants are strong enough into other hotbeds; or sow in coldframes in March, transplant to the open ground when danger from killing frosts is passed, in rows two feet apart and eighteen inches in row. Cabbage succeeds best in a fresh, rich soil, well matured, and deeply dug or plowed. The late plants are subject to attacks of the cabbage-fly, which destroys them as fast as they appear above ground. To preserve the plants sprinkle them with wood ashes, air-slacked lime, slug-shot or tobacco dust early in the morning while the plants are wet with dew.

### PERFECTION—DRUM HEAD—SAVOY.



A Late Variety.

Possessing the rich flavor of the Cauliflower. Pkt., 5c; oz., 25c; ¼ lb., 75c.

### COPENHAGEN MARKET.

The finest early cabbage grown. See Specials.

### EARLY JERSEY WAKEFIELD.

A leading early variety, and one of the best for private or market gardener's use; conical shaped and good quality. Pkt., 5c; oz., 25c; ¼ lb., 75c.

### CHICORY—CHERVIL.

An excellent plant for garnishing; resembles parsley and used in the same manner. Pkt., 5c; oz., 10c; ¼ lb., 25c.

### EARLY PURPLE CAPE.

Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

### EARLY WHITE.

Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

### COLLARD'S.

It is a specie of the Cabbage and the flavor is the same. Used especially in the South for greens. Pks., 5c; oz., 10c.

### SWISS CHARD.

#### All the Year Round Spinach.

It is a variety of Beet, producing no bulb, only the tops, which boiled form delicious greens, better in taste than ordinary beet Greens or even Spinach. A quick grower.

### SILVER RIBBED

Leaves yellowish white, curly, ribs silvery white. Pkt., 5c; oz., 10c; ¼ lb., 75c.

### EARLY WINNINGSTADT.

Conical shape of fine flavor and quite early. Pkt., 5c; oz., 25c; ¼ lb., 60c.

### EARLY YORK.

An extra fine early solid head variety. Pkt., 5c; oz., 25c; ¼ lb., 60c.

### CABBAGE—Early Varieties

#### BURPEE'S SURE HEAD.

Large, round, slightly flattened heads, hard and firm. Pkt., 5c; oz., 25c; ¼ lb., 60c.

#### DANISH SUMMER.

The best second early variety and one that takes little care and does well under any conditions. Pkt., 5c; oz., 25c; ¼ lb., 60c.

#### HENDERSON'S EARLY SUMMER.

A splendid second early cabbage, large, round, flat heads and one that is very widely known. Pkt., 5c; oz., 25c; ¼ lb., 60c. Fh Ea8 y

### CABBAGE—Late Varieties

#### DANISH BALDHEAD, OR HOLLANDER.

The best late cabbage and one that will keep. See specials.

#### LATE FLAT DUTCH.

An easily grown late cabbage, large, round, solid heads that keep very well. Pkt., 5c; oz., 25c; ¼ lb., 60c.

### RED CABBAGE

#### MAMMOTH RED.

The largest and most solid of the red varieties. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

### CABBAGE PLANTS.

See Roots and Plants.



## CAULIFLOWER COPENHAGEN SNOWBALL.

See Special.



### EXTRA EARLY DWARF ERFURT.

One of the best for forcing and the open ground. True stock. Pkt., 10c; ½ oz., \$1.25; oz., \$2.00.

### VELTCH'S AUTUMN GIANT.

One of the finest late varieties, of robust habit; heads large, compact and thoroughly protected by the leaves. Pkt., 5c; oz., 50c; ¼ lb., \$1.50.

## CELERY

One ounce will produce about 2,000 plants.

Sow the last of March or early in April, in open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off the seedlings once or twice, before planting out, to make them stocky. When the plants are 5 to 6 inches high, transplant the dwarf varieties 3 feet and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well, and when large enough blanch by earthing up.

### GIANT SMOOTH PRAGUE.

The best variety. Forms a good root, often 4 inches indiameter and globular. Pkt., 5c; oz., 35c.

### WHITE PLUMED SELF-BLANCHING, IMPROVED.

The Golden Self-Blanching naturally turns yellow, but this one turns white. Well grown White Plume is simply perfect, both in palatability and beauty, and is the earliest Celery in cultivation. Our strain is extra choice, none better. Pkt., 5c; oz., 40c; ¼ lb., \$1.25.

### NEW GOLDEN SELF-BLEACHING CELERY.

This variety is now the leading sort in all markets as an early Celery. The handsome color, crispness, tenderness, freedom from stringiness and nutty flavor makes it only necessary to be tried in order to establish it as the standard of excellence as an early sort. Pkt., 5c; oz., 50c; ¼ lb., \$1.50.

### NEW ROSE—HENDERSON'S.

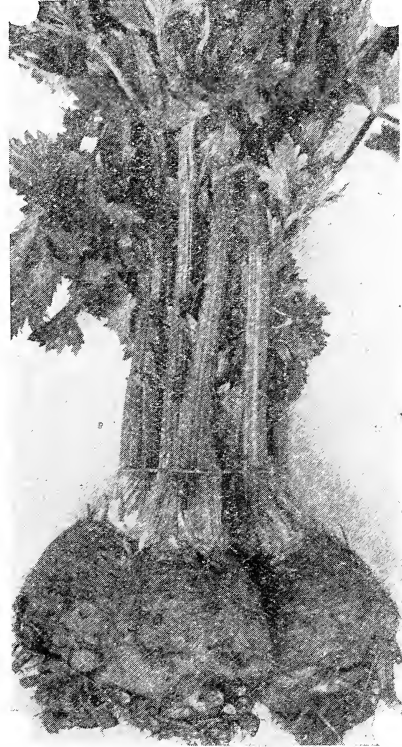
A splendid variety for late use and an excellent keeper. The color is a beautiful shade of rose, and like all red Celeries, of exceptionally fine flavor; solid, crisp and stringless. Oz., 25c; ¼ lb., 75c; lb., \$2.00.

### GIANT PASCAL CELERY.

Best for winter use. Pkt., 5c; oz., 20c; ¼ lb., 50c.

### GOLDEN HALF CELERY.

Stalks large and full; the heart is golden-yellow. Pkt., 5c; oz., 20c; ¼ lb., 60c.



### WHITE SOLID CELERY.

One of the best of winter Celeries, of sweet flavor and very brittle, with almost no fibre when blanched. Splendidly vigorous, growing 24 to 30 inches high with fleshy, solid, tender stalks of beautiful ivory-white when blanched. Pkt., 5c; oz., 10c; ¼ lb., 25c.

### WINTER QUEEN.

A good marketable variety. It has large heart and thick stalk and is an attractive cream-white in color. It is very hardy, slow to rot in the trench and of splendid quality. It is not self-blanching and requires to be trenched to attain the highest degree of tenderness and flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c.

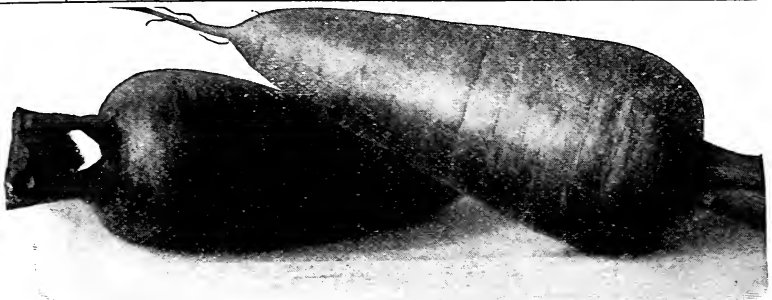
### BANGHOLM RUTABAGA.

Oblong, globular shaped, with small neck, yellow flesh, very dark purple top. Superior to all other Swedes. Has been awarded first-class certificate by the Danish government as the best cropping rutabaga. By trial it has scored 49 tons of roots with 5 tons of dry matter to the acre. Finest for stock food that we know. Pkt., 5c; oz., 10c; lb., 60c; 10 lbs., \$5.00.

## CARROTS

**Culture**—One ounce to 100 feet of row.

A light, loamy soil that has been well manured the previous year is preferred from growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from anuary until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to 5 inches in the row. Keep soil between the rows well hoed and free from weeds.



**CHANTENAY**—See Specials.

### IMPROVED DANVERS HALF LONG.

An improved type of the Danvers Half-Long. The roots are smooth, bright orange and of handsome appearance. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

### LONG ORANGE.

Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored spots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### PARISIAN FORCING.

Extremely early, of small size but very sweet, tender and beautiful orange red color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### GUERANDE OR OXHEART.

A short, thick Carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00.

### SCARLET HORN, OR EARLY SHORT HORN.

A good short variety for table use. The full grown type is about 3 inches long and 2½ inches thick at the shoulder; tapers only slightly and is very stump-rooted. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

### IMPROVED SHORT WHITE.

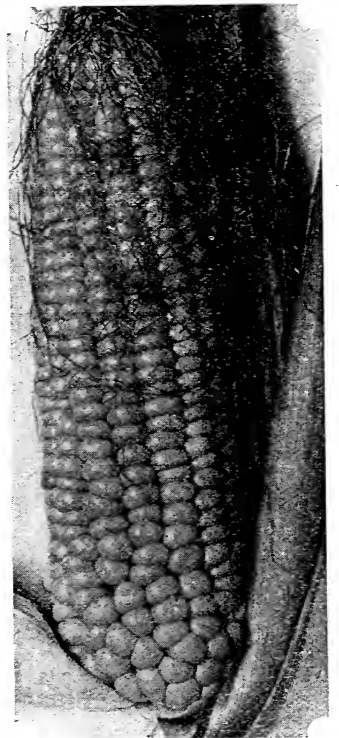
Ranks as a field Carrot, owing to its enormous productivity and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

### LARGE WHITE BELGIUM.

Extensively grown for stock feeding; very productive. Grows so much above ground that the entire crop can be pulled by hand. Oz., 10c; ¼ lb., 25c; lb., 60c.

### HALF-LONG NANTES.

(Stump-Rooted.) This favorite first early sort has a rich reddish color, is equal to any in sweetness and one we recommend for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00.



**GOLDEN BANTAM.**

Write for prices on large quantities.

## CORN, Sweet or Table Varieties

**Culture**—Corn can be sowed in hills three feet apart each way, or in drills four to four and a half feet. If sowed in hills 8 to 10 pounds are required to plant an acre, and if sowed in drills, it takes from 15 to 20 pounds. The soil must be rich and the seed not covered more than one inch, and not sowed before the ground is warm. Four to six kernels are dropped into a hill. The young corn must be hoed often, drawing the soil to the stems and breaking off side shoots.

### GOLDEN BANTAM—(New).

The new stalks are vigorous and strong, grow about 4 feet high and produce 3 to 4 fine eight-rowed ears 6 to 8 inches long. On account of its firm texture it can be planted earlier than any other variety of Sweet Corn and is less apt to be bothered by worm. Pkt., 10c; ½ lb., 15c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### WHITE COB CORY.

For a strictly early for first market and home use, you can't be far wrong with White Cob Cory. We offer northern grown extra early matured seed. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

### COUNTRY GENTLEMAN OR SHOE PEG. See Specials.

One of the late varieties. Has a long white cob closely filled with long small shoe peg kernels. It is remarkably fine flavored and sweet. Pkt., 10c; lb., 25c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

## CUCUMBER

**Culture**—One ounce of seed will plant 50 hills; 3 lbs., to the acre. Matures from 36 to 50 days. For early use, plant as soon as the ground is warm, in hills 4 to 6 feet apart each way, 8 to 10 seeds in a hill. Cover half inch deep. When danger of insects is past, thin out the plants leaving 5 to 6 of the strongest in each hill.

### NOA'S CUCUMBER.

This is an improved type of cucumber, that is the best variety for forcing we know. The seeds are guaranteed to be greenhouse grown, have reached the highest grade of quality and are given the very best of satisfaction. It is the best producer we have and a cucumber that will bring great returns. Trade Pkt., 50c; 100 seeds, \$1.50.

### WHITE TULLGARN.

This is the best white cucumber for forcing in the greenhouse or growing in frames. A prolific grower and bountiful producer. Convince yourself of its good qualities by giving it a fair trial. Trade Pkt., 25c; 100 seeds, \$1.00.

### WEST INDIA GERKIN.

The only genuine Gherkin. Small, oval, covered with spines; light green. For pickling exclusively. Pkt., 5c; oz., 15c; lb., \$1.00.

### JAPANESE CLIMBING.

A real climber. Comes into bearing quickly and sets its fruit constantly throughout the season. The fruit is of extra quality and a dark green color. A prolific yielder and a desirable table variety. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

### BOSTON PICKLING.

Short, smooth and pointed; bright green; great yielder; one of the best for pickling. Pkt., 5c; oz., 10c; lb., 75c.

### DAVIS' PERFECT.

A type of white spine which is certain to meet with favor either for forcing or open ground culture. It is a handsome, extra long cucumber, delightfully flavored, and retains its deep glossy green color until near maturity. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

### IMPROVED ARLINGTON WHITE SPINE.

The advantages claimed for this variety are improvement in shape, color, earliness and shipping qualities. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

### COOL AND CRISP

A fine garden cucumber, deep green and crisp. It is of the White Spine type. Very prolific. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

### IMPROVED LONG GREEN.

Grows 10 to 12 inches long, but makes fine pickles when young; the full sized fruits are best for sweet pickles and slicing. Dark green in color, firm and crisp; quality excellent. A great bearer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

### CORN SALAD OR FELTICUS

#### Large Leaved.

Hardy little plants, grown for late fall, winter and spring use; they form rosettes of tender, edible leaves, which are used as a substitute for lettuce. Pkt., 5c; oz., 10c.

### EGG PLANT

Should be started under glass early in March and set out early. Does well in some localities.

### NEW YORK IMPROVED SPINELESS.

Grows to a very large size, very prolific and fine flavored. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

## ENDIVE

A salad vegetable which is becoming valuable for winter use. Best after few frosts.

### LARGE GREEN CURLED.

Leaves are quite broad, beautifully curled and form large flat heads which bleach readily to a creamy white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

### WHITE CURLED.

(Self-blanching.) Leaves pale green, grows to a large size, always crisp and very tender. Pkt., 5c; oz., 15c; ¼ lb., 40c.

### FLAT LEAF.

Leaves broad, light green, nearly plain, used in stews and soups; but if the leaves are tied up it will blanch up nicely and can be used as a salad. Pkt., 5c; oz., 15c; ¼ lb., 40c.

## KOHL RABI

A plant forming a firm bulb above the ground and bearing short leaves. The bulb is the edible part and when cooked tastes similar to turnips.

### EARLY WHITE VIENNA.

The most desirable variety for general use. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

### EARLY PURPLE VIENNA.

Leaves and bulb have a bright purple color but flesh is white and fine. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

## LEEK

Culture of Leek is about the same as onions. Sow either in early fall or spring. Sow in beds or drills, when 6 inches high, transplant in rows, setting as deep as possible without covering center leaves. Four pounds to plant an acre.

### LARGE LONDON FLAG.

The oldest and best-known and most largely grown variety. Pkt., 5c; oz., 15c; lb., \$1.25.

## KALE OR BORECOLE

A specie of Cabbage, forming a mass of leaves. The leaves are cooked as greens. Should be planted late, as the cold weather improves it. It is hardy and will withstand cold weather.

### TALL GREEN CURLED SCOTCH.

Heads are formed on stocks two and a half feet high. Color bright green and leaves are exceedingly curly. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### DWARF GREEN CURLED SCOTCH.

Noted for its extreme hardness, dwarf, compact habit and extra fine curled leaves. Pkt., 5c; oz., 10c; ½ lb., 25c; lb., 75c.

### THOUSAND HEADED KALE.

Is almost indispensable as a green feed for stock and poultry through the winter. The plants are hardy and thrifty, producing a heavy tonnage per acre and may be left in the field until wanted for feed. It is an ideal feed for dairy cows. One pound will produce sufficient plants for one acre. One pound, 50c, postpaid.



## LETTUCE

Lettuce is represented by four distinct classes or types—by the thick-leaved, smooth-edged cabbage-heading type; the curly and thin leaved, tight-heading, crisp type; the curly and thin-leaved bunch or non-heading type, and the Cos or celery type. There are early, medium early and late varieties of each type, as well as those especially adapted for greenhouse, hotbed, winter, spring, summer and autumn uses. There is so great a difference in localities in regard to the value of lettuce, that a uniform rule of culture cannot be adopted. For the ordinary house garden, it is desirable to use only variety of each type, and several plantings should be made to secure a succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage varieties should be thinned to 6 or 8 inches apart. Varieties that do not head may be left quite thick, and thinned out as used.

### BIG BOSTON.

(White Seed.) Resembles Boston Market, but nearly twice as large; desirable for forcing and spring and fall outdoor planting. Pkt., 5c; oz., 20c; ¼ lb., 50c.

### BLACK SEEDED SIMPSON.

A cutting variety of unusual merit. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.25.

### EARLY CURLED SIMPSON.

A loose-bunching sort, forming no definite head. Is crisp and tender; light green in color. Is very hardy and easy to grow. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

### CALIFORNIA CREAM BUTTER.

A splendid variety for summer. It produces a very large and white head. It will stand extreme heat and is slow to go to seed. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

### GRAND RAPIDS.

The well-known forcing variety for the Middle West, where butter-headed or cabbage varieties do not grow well under glass. Is a loose-bunching variety, forming no definite head. Is extremely curly, and its light yellowish-green color makes it very attractive. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

### ICEBERG—(White Seed).

(White Seed.) A curly lettuce, large, solid heads. The outer leaves are light green in color and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.25.

### HANSON.

A fine, large-heading variety. Leaves curled on the edges; light yellowish-green in color. The head is crisp and brittle and flavor excellent. Is the very best house garden variety in existence, and much the finest variety of its class. Hanson is similar to the famous Los Angeles lettuce listed below, but is larger and lighter green; an extra fine sort. Allow 12 inches for each head. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

### NEW YORK OR WONDERFUL.

One of the largest varieties grown. The heart blanches beautifully and is crisp, tender and de-

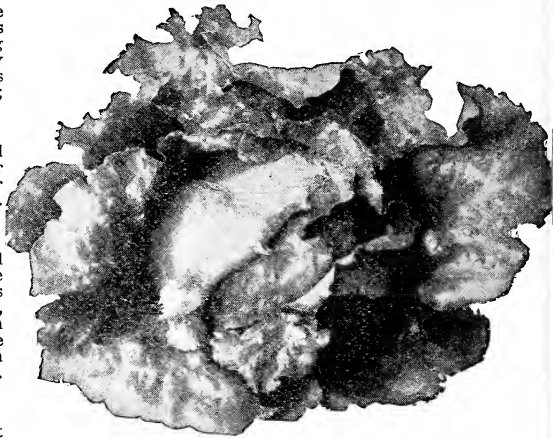
licious. It is robust-growing, roots deeply and is thus able to resist hot, dry weather; is slow to run to seed, and a sure header. The outer color is a distinct apple-green. It has been extensively grown in all sections of the country and as a standard summer Lettuce it is in every way desirable. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

### MAXIMUM OR IMMENSITY.

A very large heading variety, one of the largest of the cabbage sorts. It is especially adapted for planting in the fall and winter and makes a fine tender buttery head. A number of our best local market gardeners have been growing it and find it unsurpassed for a fine heavy shipping variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

### PRIZE HEAD.

One of the very best loose-bunching or loose head varieties. It is the most easily grown variety in cultivation. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



Iceberg Lettuce.

## GARDEN PEAS

150 to 200 lbs. are required to the acre. The smooth varieties are the hardiest and should be planted first. The seed is usually sown thickly in double rows, and these double rows, constituting one row, should be about 3½ to 4 feet apart. Cover seed 2 or 3 inches, and if too thick, thin to about 1½ to 2 inches. Cultivate often, especially in dry weather. A thick stand is desirable. It is not necessary to provide supports for the dwarf sorts. Peas grow fairly well on poor soils, but a little fertilizer will greatly increase the yield. Well-rotted stable manure in the drill is splendid, but fresh manure should be avoided unless it is broadcasted.

### IMPROVED STRATAGEM.

Pods of immense size, filled with very large dark green peas of the finest quality; height, 18 inches. Pkt., 10c; lb., 25c, postpaid. By express, lb., 20c; 10 lbs., \$1.75.

### YORKSHIRE HERO.

Pods are well filled with large peas, which remain in good condition for a long time; 2 feet. Pkt., 10c; lb., 30c, postpaid. By express, lb., 20c; 10 lbs., \$1.75.

### GRADUS OR PROSPERITY.

An extra early sort. Pods large as Telephone; very showy, green peas most luscious. Vine a little stronger than Alaska. Just now this variety is all the rage. No stock is better than that we offer. Height, 28 inches. Pkt., 10c; lb., 25c,

postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### MCLEAN'S LITTLE GEM.

A favorite early wrinkled variety, maturing a little later than American Wonder, of a somewhat taller growth, and a little more prolific; pods fair length and peas of excellent quality. Pkt., 10c; lb., 25c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### THOMAS SAXTON.

A fine, early tall variety, similar to Gradus, but more hardy and not quite so early. It is also a little darker in color and has large bunt pods that fill well with peas of finest quality. Pkt., 10c; lb., 25c, postpaid. By express or freight, lb., 25c; 10 lbs., \$2.00.

PEAS continued on next page.

## AMERICAN WONDER

The first variety of dwarf, compact growth and early maturity, having a wrinkled seed and rich, sweet flavor. While a number of improved varieties have been introduced since, this still remains a leading favorite for home and market. The vines grow only 8 to 10 inches high, and pods mature in quick succession to the Extra Early. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### REMEMBER

we prepay all charges on seeds except on Beans, Peas, Corn, Onion Sets and Field Grass and Clover Seeds.

Add 5c for 1 lb., 6c for 2 lbs., 8c for 5 lbs., 15c for 10 lbs.

### ALASKA

Alaska—Pkt., 10c; lb., 20c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### DWARF TELEPHONE

A heavy cropper, bearing uniform, long, straight, square-ended, dark green pods, containing 7 to 8 large, rich-flavored peas of a deep green color, adding to their attractiveness when served. Almost as early as the extra-early smooth peas; 3 feet high. Pkt., 10c; lb., 25c; prepaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### NOTT'S EXCELSIOR

Height, 15 inches. This sort resemblem the American Wonder, but grows a trifle taller and the pods are somewhat larger. It is of compact dwarf growth and is nearly as early as the American Wonder. The pods average 3 inches in length. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

### TELEPHONE

A ball, wrinkled, narrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from six to seven large peas. Height, 4½ feet. Pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

### EDIBLE PODDED SUGAR PEAS

Dwarf, very similar in habit to the American Wonder. These pods are beautifully crimped, of unusual size for such a small growing plant, and are of exquisite, melting quality. Pkt., 10c; lb., 40c; postpaid. By express or freight, lb., 30c; 10 lbs., \$2.50.

### LAXTONIAN

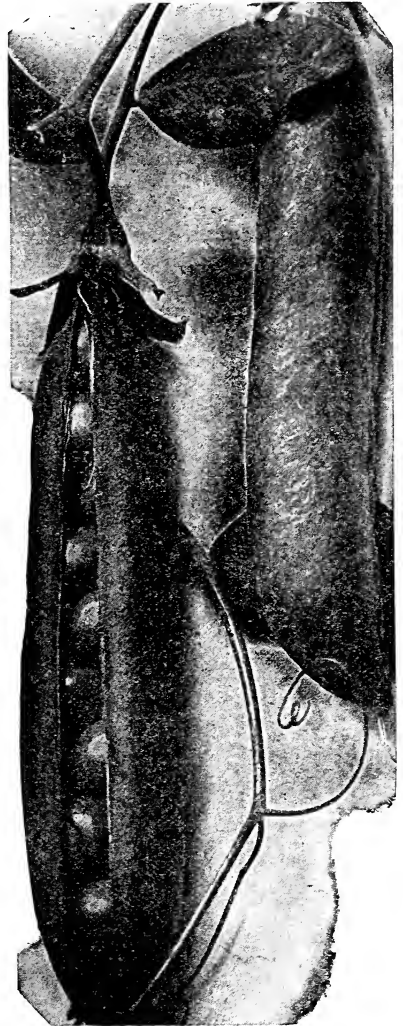
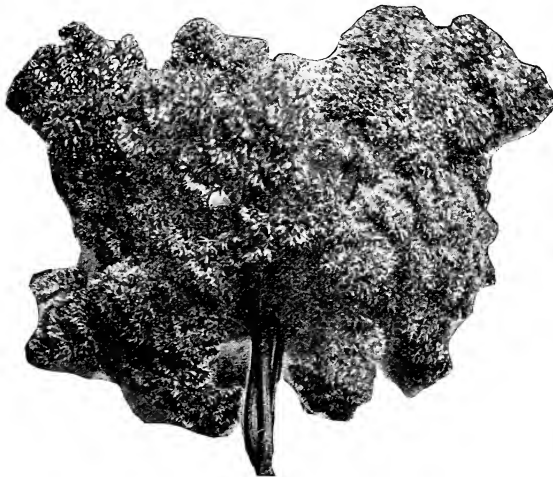
This is an ideal market and home garden pea, medium dwarf in habit of growth, but with very large pods, averaging 5 to 6 inches in length. Laxtonian seldom has any blank spaces in the pods. Per pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 25c; 10 lbs., \$2.25; 100 lbs. \$20.00.

### PARSLEY

Used for garnishing or cooked in soups. A few plants will yield sufficiently for a family. Sow in rows a foot apart. Plant in season.

### CHAMPION MOSS CURLED

Densely crimped and curled, dark green leaves; beautiful for garnishing; a very select and productive stock. Pkt., 5c; oz., 10c; lb., 75c.



### PUMPKINS, CHEESE

The most popular for pies; large, flat round; creamy yellow skin; thick, orange flesh of fine quality; a splendid keeper. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 70c.

### 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., 20c; lb., 50c.

### POT IRON OR KING OF THE MAMMOTHS

This strain produces the biggest Pumpkins grown, sometimes measuring 6 feet in circumference and weighing 200 to 250 pounds; outside color, deep orange yellow; flesh very thick, fine grained, tender, of bright yellow color, and of excellent quality for pies and other uses. Pkt., 5c; oz., 15c; ¼ lb., 50c.

### WINTER LUXURY

A superior pie Pumpkin, small, but enormously productive and an excellent keeper; shape slightly oval, about 10 inches in diameter; color, golden russet, finely netted; flesh deep golden, sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



**SUGAR**

A handsome and productive small Pumpkin, 10 to 12 inches in diameter; almost round, with orange skin; flesh deep yellow; fine grained and very sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**BIG TOM**

A fine-grained, oval-shaped Pumpkin of rich flavor. Skin and flesh are cream color and it keeps well if stored in a dry place. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**WE HAVE HAD PRACTICALLY ALL OUR SEED POTATOES GROWN BY CONTRACT THIS YEAR AND WILL BE ABLE TO FURNISH SOME EXTRA SELECTED STOCK.**

**IRISH BEAUTY**

We are predicting great things for this wonderful potato, for we have thoroughly tried it out and can most heartily recommend it. For a main crop late potato we have never seen its equal. It is clean-looking, of fine size and shape and a great producer.

This is the first season that we have been able to furnish it in large quantities and we except a big demand for it, so send in for your seed early, for you surely want to try it out this season.

Price by mail, postpaid in 1st, 2nd and 3rd zones, 4 lbs. .... \$0.40  
By Freight or Express, not Prepaid.....25 lbs. .... 2.00  
By Freight or Express, not Prepaid.....100 lbs. .... 5.00

**SENSATION**

We have sold this variety for three years and have had the finest reports from parties to whom we have sold them. It produces an extremely large crop of medium large, slightly flattened tubers, smooth, white skinned and very attractive in appearance. Per lb., 5c; 25 lbs. for \$1.00; 100 lbs., \$4.00. (Include postage or we will send by express or freight.)

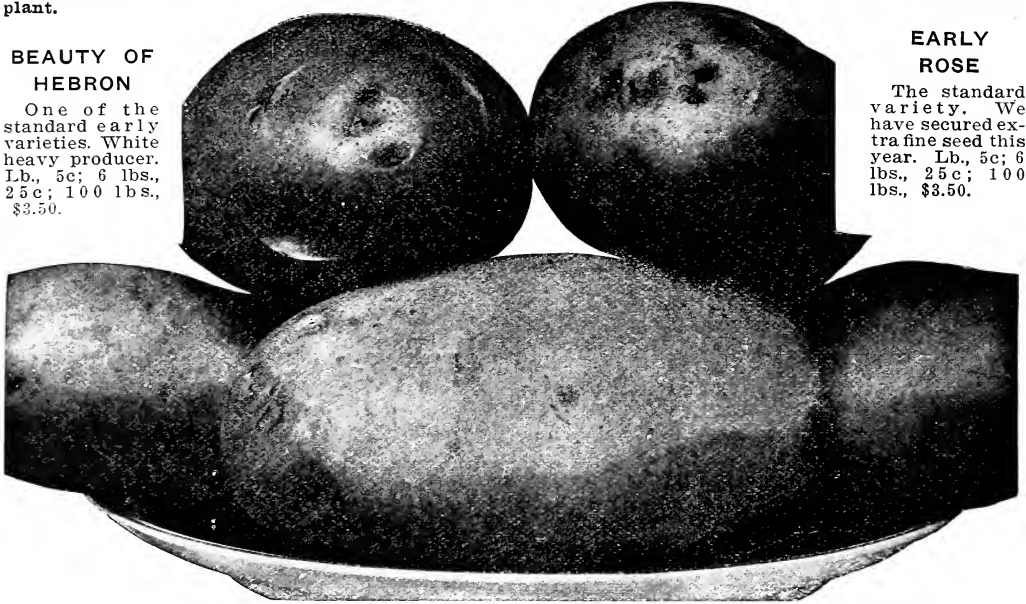
The seed potatoes we send out are seed potatoes in every sense that the word Seed should imply. They are not only the best we can supply, but we try to have them the best to be had from any source at any price. To that end they will be hand sorted, selected stock such as anyone will be proud to plant.

**BEAUTY OF  
HEBRON**

One of the standard early varieties. White heavy producer. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**EARLY  
ROSE**

The standard variety. We have secured extra fine seed this year. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.



**NETTED GEM**

A main crop Potato. Finest baker we have. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**MORTGAGE LIFTER**

A main crop variety that is very well known. We have some extra selected seed that will produce big crops. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**GOLD COIN**

One of the best for main crop. Fine shaped and on account of shallow eyes is sought after. Fine cooker and baker. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**AMERICAN WONDER**

Medium early and hard to beat. Very productive and of the finest quality. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**BURBANK**

A standard variety which every farmer knows. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**LATE ROSE**

The standard variety. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**SPINACH CULTURE**

One ounce will sow 50 feet of drill.

First sowing should be made as soon as the ground is open in spring. Sow seeds half inch deep in drills one foot apart and every two weeks thereafter for succession. Sowings made during September usually grow large enough to winter over and with little protection afford Spinach very early in the following spring. A rich soil is essential to obtain best results.

**BLOOMSDALE, SAVOY-LEAVED**

The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Per oz., 5c; ¼ lb., 35c; lb., \$1.00.

**EARLY GIANT, THICK-LEAVED**

A quick growing sort and one of the best for wintering over. It is of large size, rich green color and excellent quality. Per oz., 5c; ¼ lb., 35c; lb., \$1.00.

**MUSTARD, WHITE LONDON**

Considered the best for salads and spinach; leaves light green. It is best when about 4 inches high. Pkt., 5c; oz., 10c; lb., 25c.

**SOUTHERN GIANT, CURLED**

This is grown extensively in the South, where it is highly esteemed. Pkt., 5c; oz., 10c; lb., 25c.

**PEPPERS**

One ounce to plant 100 yards in row. Is edible in 90 to 120 days.

**CAYENNE**

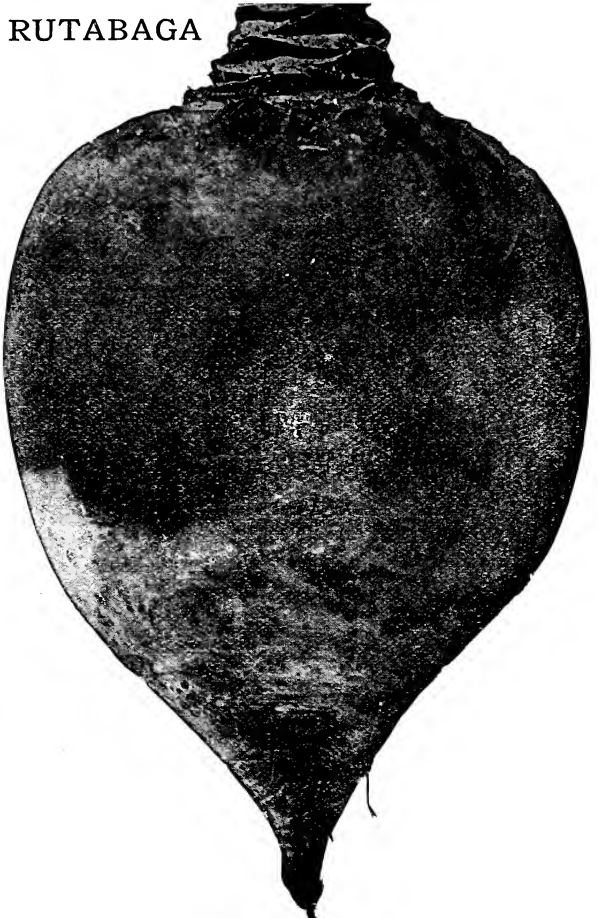
A long, slim pod, rather pointed, and, when ripe, a bright red color. Extremely strong and pungent. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**MAMMOTH BELL PEPPERS**

This is the most popular of all sweet varieties; is very mild in flavor and flesh very thick. It is a very fine variety for pickling. Pkt., 5c; oz., 10c; ¼ lb., 65c.

**BURBANK'S SWEET PEPPER**

The finest sweet pepper we have. Can become ripe and still not hot. We have arranged to have some of these plants this season, ready about June 1st. Each, 10c. Send in your order early.

**RUTABAGA**

Parsnip

**PARSNIPS**

About 8 pounds to plant an acre.

The seed is very slow to germinate and should be sown early in the spring in rows 18 inches apart for hand cultivation, or 30 inches apart for horse cultivation. Thin out to 6 inches in the row. Cultivate often.

**SUGAR, OR HOLLOW CROWN**

The very best sort in existence. A large yielder of the finest quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**FRENCH INTERMEDIATE**

This is a new variety of very early production, fine texture and flavor. It is a short pointed variety, very heavy shoulder, and will ripen in 90 days in this locality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

**RUTABAGA****IMPROVED AMERICAN PURPLE TOP**

This strain is of American origin, bred to a smaller top and short neck. The bulbs are of great size, yellow-fleshed and purple crown; one of the most desirable varieties now cultivated. Pkt., 5c; oz., 10c; lb., 50c.

**SWEDISH RUTABAGA**

Large yellow, the most favorable for stock. Package, 5c; oz., 10c; lb., 50c.

**BANGHOLM RUTABAGA**

Oblong, globular shaped, with small neck, yellow flesh, very dark purple top. Superior to all other Swedes. Has been awarded first-class certificate by the Danish government as the best cropping rutabaga. By trial it has scored 49 tons of roots with 5 tons of dry matter to the acre. Finest for stock food that we know. Pkt., 5c; oz., 10c; lb., 50c; 10 lbs., \$4.00.



**ONIONS—CULTURE**

One ounce will sow 100 feet of drill.

Sow in spring as soon as the ground can be worked, in drills one foot apart. Thin to 3 or 4 inches and cultivate frequently with rake and hoe to keep down the weeds. They grow best in rich, sandy soil.

**WHITE ITALIAN TRIPOLI**

A large, globe-shaped onion, with clear white skin and pearl-white flesh. Of mild, sweet flavor. Not a good keeping onion, but much esteemed as a garden sort. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**WHITE PORTUGAL, OR SILVER SKIN**

This variety is one of the leading white sorts, and is of beautiful shape and very mild flavor. The bulbs are flat in shape and mature early. It is a splendid variety for both family and the market gardener, and is very largely used for growing sets on account of its fine shape when small, and also for its good keeping qualities. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$2.00.

**WHITE GLOBE**

Yields abundantly and, as a table variety, its clear white color is exceptionally attractive. Pkt., 5c; oz., 30c; ¼ lb., 75c; lb., \$2.50; 10 lbs., \$20.00.

**YELLOW GLOBE DANVERS**

Most popular yellow onion grown. Pkt., 5c; oz., 20c; lb., \$1.50.

**YELLOW DANVERS**

(Flat.) The best known and most generally used flat yellow onion. Best for garden use. Easily grown and a big producer. Pkt., 5c; oz., 25c; lb., \$1.50.

**BERMUDAS**

A very early variety, used largely in the South as an early market onion, when the seed is sown in the fall and the onions harvested in the spring. It is mild and of particularly fine flavor. The color is a pinkish-straw, and the shape is flat. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.25.

**YELLOW DUTCH, OR STRASBURG**

Ripens early and makes good sized onions. A good keeper and well flavored; bright straw-colored skin and somewhat flattened shape. Largely grown for sets.

**WHITE BARLETTA**

A very early variety with pure white skin. In shape it is flat and is unsurpassed for home-made pickles. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**AUSTRALIAN BROWN**

An early and hardy variety which does especially well in this state. Should be planted early, on low, wet grounds to get large bulbs. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into spring and much longer than other varieties. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**PRIZETAKER**

An onion of the largest size and nearly globular in form. Skin is yellowish brown; flesh is white, mild and tender. It is one of the best of the large European sorts. If started very early in hotbeds, it will produce a mammoth onion the first season. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50; 10 lbs., \$12.50.

**SOUTHPORT RED GLOBE**

Of medium size, spherical, with small neck, very deep, rich red color and of superior quality. Pkt., 5c; oz., 25c; ¼ lb., 50c; lb., \$1.75; 10 lbs., \$15.00.

**LARGE RED WETHERSFIELD**

The best keeper and one of the most popular for general cultivation. Large size, deep purplish red skin. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**SILVER SKIN**

This the better known as White Portugal. See White Portugal for description and price.

**MAMMOTH SILVER SKIN**

An early, large, white flat onion. Is not a keeping sort nor a good shipping variety, but is valuable for home use and near-by markets. Is very mild and of fine flavor. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

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**ONION SETS**

**YELLOW ONION SETS.** Lb., 20c; 10 lbs., \$1.25, postpaid.

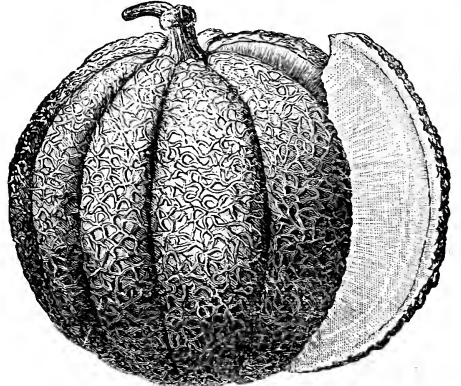
**SHALLOT OR MULTIPLIER.** Lb., 25c.

**GARLIC.** Used in cooking. Lb., 40c.

**WHITE QUEEN**

A very early white onion. Rather small and does not keep well. Is of fine mild flavor, and largely used for home-made pickles. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**ALSIA CRAIG—See Specials**

**MUSK MELON****A WORD OF ADVICE**

Why not plant some of our Rockyford or Jenny Lind Muskmelons in the fence corners and other waste places and have some delicious melons for table and market?

**EXTRA EARLY HACKENSACK**

One of the oldest and best; attains a very large size; round with flattened ends; thickly netted; productive; extra quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**JENNY LIND**

Small, round-hat fruit, deeply ribbed; flesh yellowish-green and of unsurpassed flavor; very productive. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**FINE-NETTED NUTMEG**

Small; very early and fine-netted; fruit round; flesh green and very sweet. Pkt., 5c; oz., 10c; lb., \$1.00.

**ROCKYFORD OR NETTED GEM**

A grand sort for generally early use; very early, productive, uniform and finely netted; flesh rich green, deliciously sweet and melting. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**CASABA MELON, OR WINTER MUSKMELON**

The Casaba has come to stay. To some extent the Casaba flavor is an acquired taste, but judging from the increasing popularity of the two varieties we list, an immense population is acquiring the taste. One now sees these Casabas in all the Eastern markets, and they are on the bills of fare of all the finest restaurants. They are plentiful as late as February, when all other fruits are rare. Culture is the same as for muskmelon. Pkt., 5c; oz., 20c.

**CUBAN QUEEN**

Large oval Melons; striped dark and light green; flesh red and of excellent quality; the best late sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

**SWEET HEART**

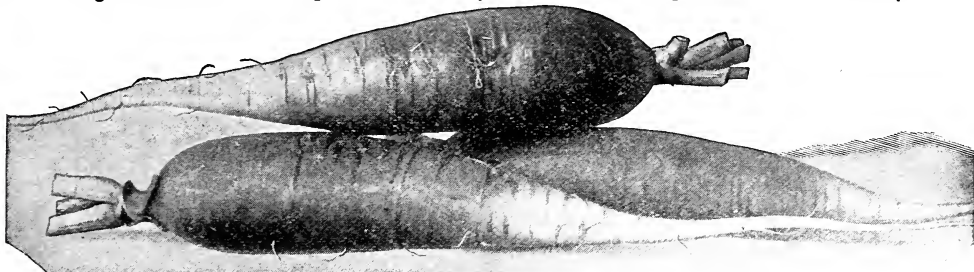
An early oval-shaped Melon, light green mottled, with thin, tough rind; flesh light red, solid, of fine quality and flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.



## RADISH SEED: Culture

One ounce will sow 100 feet of drill.

until March. Begin sowing outdoors as soon as the soil is in working condition, selecting, if possible, a light, sandy loam. Although seed of the monthly radishes may be sown broadcast, the summer and winter sorts should be sown in drills twelve to eighteen inches apart, but not before May 15th, as earlier sowings will most likely run to seed. For winter sow from July 15th to August 15th in drills eighteen inches apart, later thinning out to six inches apart.

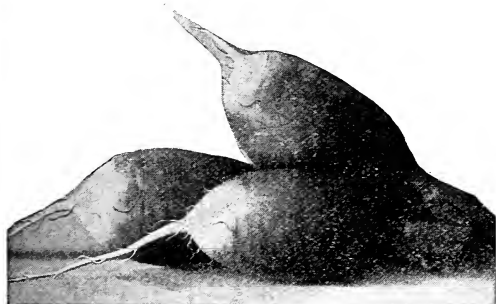


### CRIMSON GIANT

A forcing variety of unusual size, but better adapted to outdoor culture. It is solid, crisp and tender. Per pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 55c.

### CHARTIER

Roots are red with a white top, slender, and remain solid and crisp until of large size. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.



French Breakfast.

### ICICLE

One of the earliest and purest of all long, white varieties. For crispness and tenderness it is unsurpassed. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

### LONG WHITE VIENNA

The skin and flesh are both pure white and of excellent quality. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

### LONG SCARLET SHORT TOP

A long, smooth, tapering radish somewhat smaller but brighter in color than Chartier. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c.

### ROSE CHINA WINTER

(Scarlet China). A rose colored variety of fine quality; flesh white. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

### ROUND BLACK SPANISH

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

### SCARLET GLOBE FORCING

Popular everywhere, either for forcing or outside sowing. Its brilliant color, uniform shape, and crisp, white flesh make it a favorite with all. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

### MAMMOTH SANDWICH ISLAND

The roots are white, extra long, straight and very tender. Per pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.25.

### EARLY SCARLET TURNIP

One of the standard sorts for general sowing. Roots are turnip shaped, dark red and of fine quality. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

### EARLY WHITE TURNIP

Preferred by many to the red sorts. Flesh clear white, tender and sweet. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

### FRENCH BREAKFAST

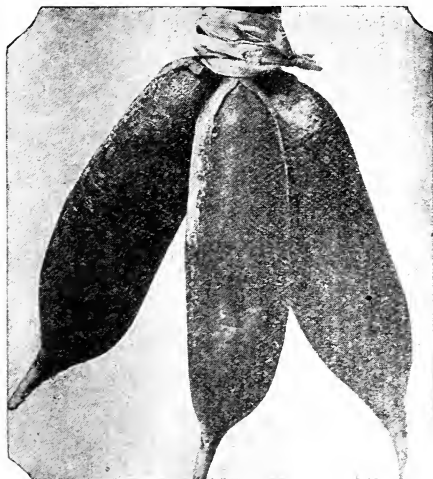
This well known radish is olive shaped, bright scarlet with the exception of the white tip. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

### EARLY SCARLET TURNIP

(White Tipped). An exceptionally fine strain so largely grown by market gardeners. Its color is of the deepest scarlet with a prominent white tip; superb flavor. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

### HALF-LONG BLACK

Highly recommended as the best sort for winter. In color it is more of a gray than black and grows to an extremely large size. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.



Chartier.

## SQUASH: Culture

One ounce to about 25 hills. The general methods of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way and the winter sorts eight to ten. Three plants are sufficient for a hill.



### BOSTON MARROW

A fall and winter variety of large size, oval form, skin thin; when ripe, bright orange; excellent flavor. We have a very fine stock of this sort. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., \$1.00.

### TRUE HUBBARD

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

## TURNIPS

From 3 to 4 pounds to an acre. Matures for table use in from 55 to 85 days, according to variety.

### CULTURE

Plant for succession from April to August in drills 14 inches apart and thin out plants to 6 inches. Turnips thrive best in a highly enriched, sandy, gravelly or light loamy soil. Spring sowings should be put in early so that they will attain a good size before hot weather; otherwise they will become tough and bitter.

### PURPLE TOP, STRAP LEAF

Used largely for sowing broadcast among corn and potatoes. It is round and flat, white on the bottom and a reddish purple above ground, and a very quick grower. It is esteemed as a fine table variety. Pkt., 5c; oz., 10c; lb., 50c.

### EARLY WHITE FLAT DUTCH

(Strap-Leaved). An old stand-by, and one of the most popular early varieties for either spring or fall plantings. Of medium size and a quick grower. Flesh and skin pure white; fine grained and sweet. Pkt., 5c; oz., 10c; lb., 50c.

### PURPLE TOP YELLOW ABERDEEN

A medium-sized variety, generally used for stock feeding. Is yellow, with purple top. Flesh, light yellow. A winter variety, seed of which can be sown in summer. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

### EXTRA EARLY WHITE EGG

In our Extra Early White Egg you will have a turnip of the sweetest flavor ready for use in six weeks from the time of sowing with good seasons. In quality it is the finest of all. Very attractive when bunched for market. Pkt., 5c; oz., 10c; lb., 50c.

### EXTRA EARLY PURPLE TOP MILAN

The earliest turnip in cultivation and a splendid variety; bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts. Pkt., 5c; oz., 15c; lb., \$1.50.

### LONG WHITE COW HORN

Grows very quickly, partly above ground; very productive; flesh white, fine-grained and sweet; of excellent quality for family use and for stock-feeding. The roots are very large, sometimes fifteen inches long and two inches in diameter. This turnip is also largely used for turning under as a green manure in conjunction with Crimson Clover, and is very valuable for that purpose. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

### EARLY WHITE

A well-known variety of dwarf habit and upright growth. Surface comparatively smooth; color creamy white. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.

### EARLY YELLOW

A very early, flat, scalloped variety of largest size; skin deep yellow; the flesh is pale yellow and well flavored. Pkt., 5c; oz., 15c; ¼ lb., 35c.

### ITALIAN VEGETABLE MARROW

A variety producing large oblong fruits, dark green at first, but as they mature becoming marbled with yellow and lighter green in stripes. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



### SUMMER CROCKNECK

The old standard sort; very early and productive. Pkt., 5c; oz., 15c; ¼ lb., 35c.

### NEW DELICIOUS

This new fall and winter squash resembles the old Hubbard; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The flesh is meaty, granulated, tender and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

### YELLOW GLOBE

A splendid sort for general crop; grows large; a good keeper, with bright, yellow flesh. Pkt., 5c; oz., 10c; lb., 50c.

### EXTRA EARLY WHITE MILAN

A very early variety, medium sized, flat and clear white. A fine home-garden variety. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

### SEVEN TOP

The most popular variety for winter and early spring "greens." Very hardy, growing all through the winter. Can be cut at all times, giving a supply of fresh vegetable matter at times when nothing else is available. Can be sown from August till December and in early spring. Pkt., 5c; oz., 10c; lb., 50c.

### WHITE GLOBE

Color pure white; shape round; size large; solid, quick in growth for a large turnip, producing a great weight to the acre. Pkt., 5c; oz., 10c; lb., 50c.

### IMPROVED GOLDEN BALL

One of the sweetest and most desirable yellow-fleshed varieties; of medium size; a perfect globe shape, with firm, hard, yet rich and sweet flesh; it has no equal as a table variety; keeps well. Pkt., 5c; oz., 10c; lb., 50c.

### DANISH BORDFELDER

Long root, cream color, delicate green top, rapid grower and excellent keeper, extra fine for stock feeding. This is considered in Denmark the best turnip for stock and milch cows. Don't fail to try a little. Pkt., 5c; oz., 10c; lb., 50c; 10 lbs., \$4.00.

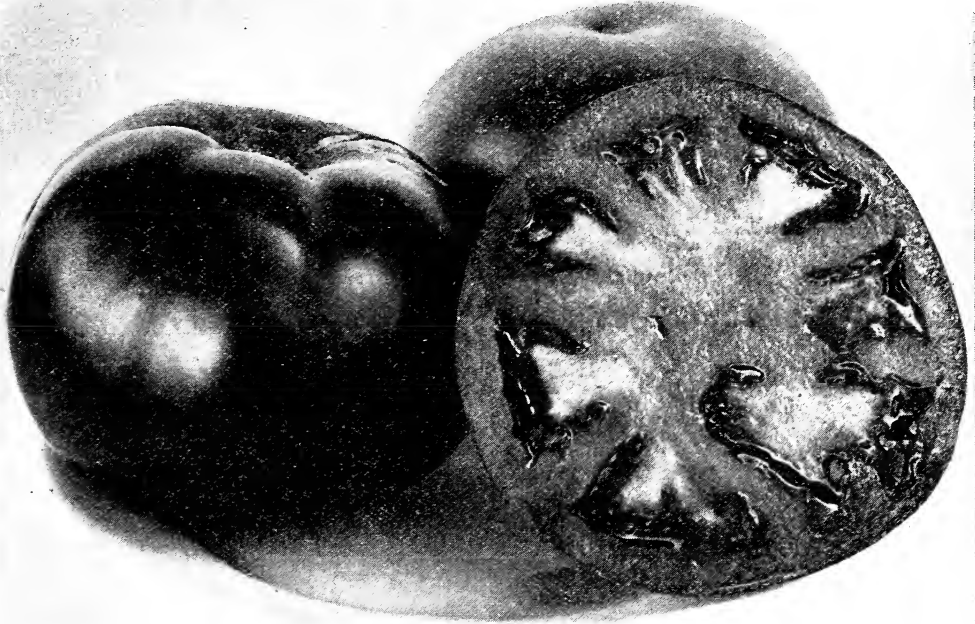
### PURPLE TOP WHITE GLOBE

A large globe-shaped variety; purple above ground; it is handsome and of excellent quality and recommended both for the family garden and field crop. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

## TOMATOES: Culture.

One ounce will produce 1,500 plants. For table use, 90 to 120 days, according to variety. Tomatoes do best on light, warm, not over-rich soil, and success depends upon securing a

rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from six to eight weeks before they can be set out of doors, which is when danger from frost is past. Transplant carefully and cultivate well as long as the vines will permit.



### SPARKS' EARLIANA

The tomatoes are bright red and grow close together in clusters; all of medium size, averaging 2½ inches in diameter. They are smooth and solid, quite thick through and free from rough ribs or cracks. The flesh is a deep red, with solid center and small cells; slightly acid flavor. Best for this vicinity. Pkt., 5c; oz., 20c.

### STONE TOMATO

Is one of the very best large fruited sorts grown for main crop. The fruits are round, remarkably solid, bright scarlet in color and of excellent flavor. Pkt., 5c; oz., 30c.

### CHALK'S EARLY JEWEL

One of the best early scarlet varieties. The fruit is uniform, solid and of fine quality. Pkt., 10c; oz., 30c.

### DWARF CHAMPION

Of dwarf, stiff, upright growth, scarcely needing support; early and prolific, fruits of red-purple color. Pkt., 10c; oz., 30c.

### EARLY WASHINGTON

Large, smooth, blood-red sort; early; ripens all over and through at once. Will bear shipping long distances. Very few seeds and has no hard, green core. Pkt., 5c; oz., 25c; ¼ lb., 75c.

EARLY SUNRISE—See Specials.

## TOMATO PLANTS

We call your attention to our Tomato Plants listed under the head of Vegetable Plants and Roots on the following page. These are strong, sturdy plants, which will stand shipping and transplanting and give excellent satisfaction. It is the early tomato that brings the high prices and you save much time and trouble by buying our plants as it is hard to get a good early start for tomatoes without hot-house advantage.

They may be shipped by mail and we guarantee good delivery.

### ATLANTIC PRIZE

One of the handsomest varieties and those who have grown the large, round, smooth, beautiful, red fruit, claim it is of superior quality. Pkt., 5c; oz., 20c; ¼ lb., 65c.

### COMET

The very best forcing variety and a general favorite with greenhouse growers. Color is a beautiful scarlet; fruits are of good size, very smooth and uniform. We offer a select strain from inside stock. Pkt., 25c.

### SMALL FRUITING VARIETIES

Esteemed for preserves, etc. **RED CHERRY**—Bears clusters of bright red fruits, the size of a cherry. **RED PEAR-SHAPED**—Produces bright red pear-shaped fruits. **YELLOW PLUM**—Oval-shaped fruits, 2 inches in diameter, used for preserves. Per pkt., 5c; oz., 30c.

### LORLIARD

A new forcing variety that has produced wonderful crops in greenhouse locally. Deep scarlet, smooth and uniform and always demands the top prices. Pkt., 25c.

### WHITE CHERRY "HUSK" TOMATO

Low, spreading plants, bearing small yellow fruits in a paper-like husk. Used for preserving. Pkt., 10c; oz., 30c; ¼ lb., \$1.10; 1b., \$3.50.



## VEGETABLE PLANTS AND ROOTS

We grow large quantities vegetable plants and roots and can supply the varieties listed below in their proper season. They grow under the best conditions to make them hardy and vigorous and we give especial attention to packing and shipping.

They may be sent by mail, and we guarantee that they will arrive in good condition.

### ASPARAGUS CULTIVATION

See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

Two-year-old Plants, postpaid, 40c per dozen; \$1.00 per 50; \$1.50 per 100. By express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

### CABBAGE

Set out in open ground as soon in spring as the land can be properly prepared. A rich, warm, fibrous loam is best. Have the plants in the rows 20 to 24 inches apart, and rows at least 2 feet apart. Give thorough cultivation, and irrigate in dry weather if practicable. Protect against the ravages of cutworm, maggot and green worm. A little nitrate of soda applied around the plant is of great benefit. Potash applications, such as wood ashes or muriate, may also do much good. For late Cabbage plants, transplant in June and July, giving the plants more room than allowed for earliest Cabbages. Dusting with tobacco dust, insect powder, etc., or splashing with hot soapsuds, especially Whale-Oil Soap solution, are good and safe remedies for some of the insect pests attacking plants of the Cabbage.

We carry both the early and late varieties in season. Dozen, 15c, postpaid. Doz., 10c; 100, 60c; 1,000, \$3.50. We are prepared to make special price on quantities over 1,000 to 10,000.

### CAULIFLOWER PLANTS

Set in open ground as soon in spring as the land can be put in good order. Soil to be a warm, very rich, fibrous loam, well supplied with humus and moisture. Copious water applications during dry weather, especially when the plants are heading, and light dressings of nitrate of soda and potash are of much help. Set plants 2 to 2½ feet apart each way. When heads are formed and are hard, they should be blanched by drawing the leaves together and tying with raphia, or strips of soft cloth.

Doz., 30c, postpaid. Doz., 20c; 100, \$1.00; 1,000, \$7.00, express or freight. We are prepared to make special prices on quantities over 1,000 to 10,000.

### CELERY PLANTS

In May to June, set the plants in very rich and well-prepared land, 6 inches apart in the rows, and rows 3 to 4 feet apart. Give thorough and clean cultivation, and blanch by means of boards set up against the rows. For later and winter Celery the rows in which the plants are set should be 4 to 5 feet apart. Blanch by earthing up gradually clear to within a few inches of tip of leaves. For winter storage, take up the plants with roots, and place upright on wet soil in a dark cellar or root-house, packing closely.

Leading varieties, dozen, 25c, postpaid. Doz., 15c; 100, 75c; 1,000, \$6.00, express or freight.

### CHIVES

Chives are a small hardy perennial plant, resembling the onion leaves in appearance. They are grown for the young leaves which are produced freely early in the spring and give a mild onion flavor to sausages, salads and various dishes. The tops can be shorn off close to the ground as needed. They can be grown also in pots in a sunny window during winter. Bunch, 20c, by mail, postpaid. Bunch, 10c; doz., \$1.00, postpaid.

### HORSERADISH ROOTS

Doz., 40c, postpaid. Doz., 25c; 100, \$1.50, by express or freight.

### PEPPER PLANTS

Set in open ground in warm, very rich and well-prepared soil, making the rows 2 to 3 feet apart, with plants 15 to 18 inches apart in the rows. This variety has become very popular and always in large demand.

**LARGE BELL.** Doz., 30c, postpaid. Doz., 25c; 100, \$1.50, express or freight.

### RHUBARB ROOTS

This splendid old time plant, which seems to be the Missing Link between fruits and vegetables, and which did such valiant service in the early days as a pie-filler, is again coming into a well-deserved popularity, because of the many new uses that have been found for it.

Its fine medicinal properties make it most wholesome, and it is not only welcomed by the housewife in the early spring, but is now used in combination with other fruits, such as pineapple, figs, etc., to make the most delicious jams and preserves and also a great variety of puddings and desserts.

This, of course, gives it a ready sale at good prices and makes it one of the best staples of the market gardener. Our roots are strong, healthy and vigorous and the varieties we quote are the most desirable and the best for this locality.

### VICTORIA MAMMOTH

Best for home use and to market. Large clumps, 25c each; doz., \$2.50, freight or express.

### LINNEOUS

Light in color, good variety. Large clumps. Each, 25c; doz., \$2.50. Postage extra.

### TOMATOES

For early varieties set plants 4 feet apart each way in warm, mellow soil of fair fertility as soon as danger from belated frost is past. For main crop plant in fairly warm soil, 5 feet apart each way. A very ornamental show can be made in the home garden by training tomato plants to stakes, poles or trellis. Applications of superphosphate, or of some good complete (vegetable) fertilizer often have a very happy effect on To-

matoes in hastening maturity and increasing the yield.

Leading varieties. Transplanted into flats. Doz., 20c, postpaid. Doz., 10c; 100, \$1.00; 1,000, \$7.00, freight or express. Pot grown, doz., \$1.50, postpaid. Doz., \$1.00; 100, \$7.00, freight or express.

### LAVENDER

This is the plant of all others that every true housewife desires in her garden, as the fragrance of her linen closet is sweet but potent testimony. Of easiest culture. Two-year-old plants, each, 25c. Extra large, choice plants, each, 50c.

### SAGE

(*Salvia officinalis*). The most extensively used of all herbs for seasoning and dressing; indispensable. Two-year-old plants, each, 25c; extra large choice plants, each, 50c.

**WE GROW** a big portion of our Seeds on the Coast, others we contract for with the most reliable seed growers. In buying your seed from us you eliminate your chance of failure to the smallest possible minimum.

*We refer you to any Bank or Reliable Merchant in Seattle.*

VARIETY OF SEED	Quantity Seed Needed for 100-ft. Row	General Time of Sowing Puget Sound	Crop Matures	Depth to Plant Inch
Artichoke .....	1/2 oz., 3 pkt.	Early spring	Second spring	1
Artichoke, Jerusalem .....	3 lbs.	Spring	Late summer	2-3
Asparagus, Seed .....	1 oz.	Feb. to April	Third spring	1
Asparagus, Plants .....	.50	Oct. to April	Next Spring	3-5
Beans, Bush .....	2 lbs.	April to July	45-65 days	1
Beans, Pole .....	1 lb.	April to July	75 days	1 1/2
Beets .....	4 oz.	April to Oct.	65 days up	3/4
Broccoli .....	1 1/2 oz.	Feb. to May	100 days	1/2
Brussels, Sprouts .....	2 pkts.	Feb. to May	6 months	1/2
Cabbage, Plants .....	.75	March to Aug.	90-150 days	3
Carrots .....	1 oz.	March to July	45-60 days	1/4-3/4
Cauliflower, Plants .....	.300	March to Sept.	125 days	3
Celery, Plants .....	1/4 oz.	May to July	3 months	3
Celery, Seed .....	1 oz.	Jan. to May	6 months	1/2
Chervil .....	2 oz.	Early spring	Early	3/4
Corn, Salad .....	1 1/2 lbs. 100 hills	March to July	100 days	3/4
Corn .....	1 oz.	April to June	80-100 days	1 1/2
Cucumber .....	1 oz.	April to June	120 days	1
Egg Plants .....	1 pkt.	Hotbeds	160 days	1/4
Endive .....	1 oz.	July to Oct.	100 days	1/2
Kale .....	1 oz.	Feb. to Aug.	45 days	1/2
Kohl Rabi .....	1 oz.	Feb. to May	4 months	1/2
Leek .....	1/2 oz.	Feb. to June	Late summer	1/2
Lettuce, Leaf .....	1 oz.	All year	65 days up	1/4
Lettuce, Head .....	1/2 oz.	All year	65 days up	1/4
Onion, Seed .....	1 oz.	All year	100 days	3/4
Onion, Sets .....	4 qts.	All year	45 days	1
Parsley .....	2 pkts.	April to July	Any time	1/2
Peas .....	3 obs.	All year	60 days	2
Potatoes .....	5 lbs. 50 hills	Feb. to June	120 days	4-6
Pumpkin .....	1 oz.	April to July	125 days	1
Radish .....	1 oz.	All year	30-45 days	1/2
Salsify .....	1 oz.	March to June	5 months	1/2
Spinach .....	1 oz.	All year	40-45 days	1/2
Squash .....	1 oz.	May to June	150 days	1
Turnip .....	1 oz.	March to Oct.	60-75 days	1/4
Tomatoes .....	40 plants	May to July	150 days	1/4

By our Western methods of intensive farming and special crops, we quickly use up the food elements of the soil, which, in the older farming districts of the East, are carefully preserved by rotation of crops, etc., and these need to be replaced by means of fertilizers if we are to keep up the natural richness of the soil and not allow it to become exhausted and "run out."

It is most necessary, therefore, to make a thorough study of the needs of the soil for the special crops that bring such rich returns in our Western states, and to preserve the soil, which is Nature's rich legacy to us, for the enrichment of ourselves and the generations to come.

We have given this matter deep consideration and do not hesitate to say that *Our Fertilizers* are the best that scientific knowledge can produce and are compounded with care and honesty.

By making a careful study of our Fertilizer pages, you can determine those suited to your needs and by their use have available plant food in its purest and most convenient form.

Should you wish advice as to your particular case, write us fully, and we will be glad to give you the benefit of our study and experience.

Yours for success,

**ABLING-BOYCE SEED COMPANY.**

## ALFALFA SEED

(Medicago Sativa)  
99½ PER CENT PURE

We take great pride in recommending our **SUPERIOR ALFALFA SEED** to the Western farmer. Realizing its immense value and importance as a fodder crop in this section, we have given it our closest attention, sparing no effort to produce a seed that should be full and plump, and cleaning and re-cleaning it until it is as free from all noxious weed seed as human care can make it.

We are not satisfied to come within the Pure Seed Law by furnishing you a seed that is 96% pure, giving you a 4% crop of weeds that it is almost an impossibility to get rid of, but insist that our seed shall be 99½% pure and that it should consist of only plump, productive seeds, all shrunken seeds having been removed. **IT STANDS THE HIGHEST GERMINATION TESTS.**

This is the only grade of Alfalfa Seed that we handle and you cannot afford to sow any other kind.

Ask for samples of seed, also for literature on inoculation with Nitrogen.

**OUR SUPERIOR ALFALFA** in less than sack lots, per lb., 20c; per 100 lbs., \$18.50.

## TURKESTAN ALFALFA

(Medicago Turkestanica)  
DRY LAND ALFALFA

We make direct importations of this variety which comes from Central Asia and which is adapted to dry, unirrigated land. We suggest that it be seeded a little heavier than the ordinary type, as it is inclined to become coarse and woody; and thick sowing will produce finer plants. We can supply this in original package, or in smaller quantities. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

### USE NITROGEN

To inoculate your seed and thus insure a good stand, ask for special literature and order with your seed. Prize garden size, enough to experiment with, 50c. Acre size, enough for one acre, \$1.00.

99 PER CENT  
PURE

## RED CLOVER

(Trifolium Pratense)

10 1/2 PER CENT PURE

We wish to impress upon the Western farmer the advantage in sowing this valuable crop, especially in such sections as are not favorable to the successful raising of alfalfa.

It is for most purposes as valuable as Alfalfa and is a more dependable crop in many localities west of the Cascades. It is equally good for hay, silage or forage and has no superior when plowed under as a nitrogen-giving fertilizer. When sowed under with Timothy it makes an especially satisfactory hay crop. It yields two crops of hay in a season and requires a rich, deep soil.

Since the value of this crop is greatly dependent on its freedom from noxious weeds the purity of the seed used is of the greatest consequence and we do not hesitate to say that we have, absolutely the best Red Clover Seed on the market. It is 99% pure, that being a 7% higher test than is required by the Pure Seed Law and the highest human skill can attain, and is only made possible by the most painstaking effort and the most improved cleaning machinery.

The initial cost of this seed is but little more than the ordinary weed-mixed grade, and the difference in true marketable value is so great that there can be no comparison as to which it pays to sow.

**AABLING-BOYCE SUPERIOR RED CLOVER SEED**, per lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

Should there be any change in prices from those quoted on any goods you may order, we will notify you of same before making shipment.

## LAWN MIXTURE

### TERRACE MIXTURE

Just the mixture for the dry terrace slopes. Lb., 50c; 10 lbs., \$4.50.

### CREEPING BENT OR FLORIN

(Agrostic Stolonifera)

A splendid grass in lawn mixtures. Its creeping, rooting stems form a tough, compact turf that is improved by tramping. Equally good in pasture mixtures. Lb., 75c; 100 lbs., \$60.00.

## CLOVER SEED

ALSIKE  
(Trifolium Hybridum)  
98 PER CENT PURE

### A Clover for Cold, Wet Land

This variety is sometimes called Swedish Clover and is a perennial, 1 to 3 feet high, succeeding best in cold stiff soils, and in marshy lands which are too wet for other species. It grows well in the far north and in high altitudes and can withstand severe cold.

The blossoms are valuable in bee culture. Since it matures in the same length of time required for Timothy, they may be planted together with excellent results, and it is also good in pasture mixtures for wet land. When used alone, sow 15 lbs. to the acre.

**OUR BEST ALSIKE** in less than 10-lb. lots, per lb., 20c; 10 lbs., \$1.85.

### MAMMOTH RED CLOVER (Trifolium Medium)

This variety has a very rank growth and is not much used for hay or forage but makes an excellent green manure when plowed under. In habit it is similar to the Common Red Clover except that it lasts longer. Per lb., 25c; 10 lbs., \$2.25.

### WHITE SWEET CLOVER (Bokhara Clover Melilotus Alba)

The value of this clover is now being recognized not only for its use in bee culture but also for pasture, forage and hay. It has a prolific growth, sometimes attaining a height of five feet, and seed sown in the spring will produce a crop the following fall and a two or three crops the following year. It is a biennial but readily re-seeds itself. It is covered with small white flowers of great fragrance. Per lb., 25c; 10 lbs., \$2.25.

### YELLOW SWEET CLOVER

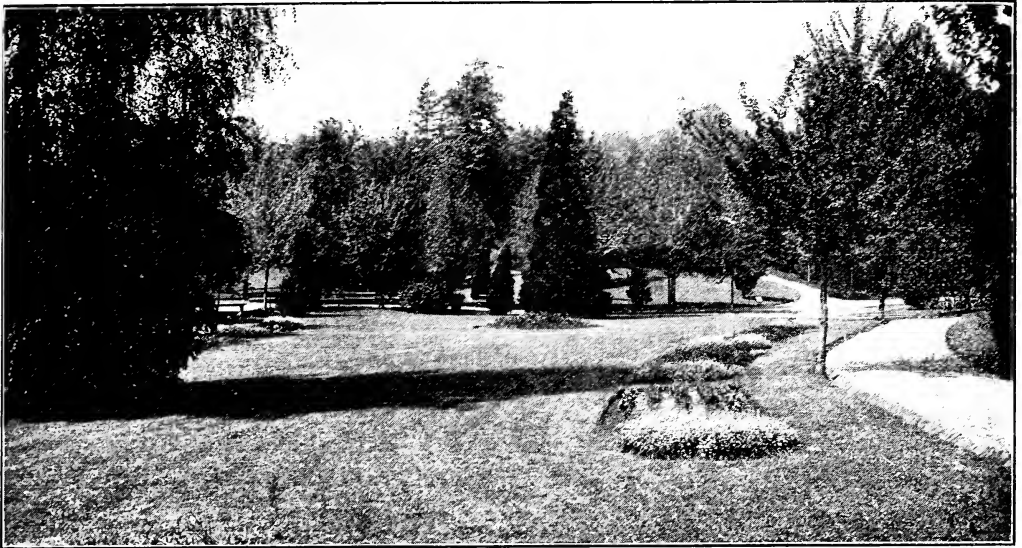
(Melilotus Indica)

This is an annual that is much used for plowing under as a fertilizer for alfalfa, but should be plowed under before it is allowed to seed.

It will yield a good crop wherever planted and is one of the best crops known for this purpose, as it is nitrogen giving. It is much like the White Sweet Clover but has yellowish blossoms. Very valuable as a bee pasture. Per lb., 25c; 10 lbs., \$2.25.

Recleaned and Tested.  
Free from Dodder.





## GRASSES FOR LAWNS

Seattle is famous for its beautiful parks and lawns. Each year the Park Board purchases large quantities of our finest grass seed for their lawns. If you use our seed and give the proper care you can have just as good a lawn as you will find in any of our parks. We make special mixtures for different localities. If your lawn has been a failure, write us fully regarding the conditions and we will gladly advise you what mixture to use to obtain the best results.

### KENTUCKY BLUE GRASS

Superior quality. The seed we will sell during the next year has been guaranteed to test 99% pure and germinates 87%. This seed will weigh 29 pounds to the bushel. It forms a fine mat and will care and water is the best lawn grass for all soils except sandy ones. Lb., 40c; 10 lbs., \$3.50.

### KENTUCKY BLUE GRASS

Standard quality. This seed is a cheaper quality and lighter in weight. Will test, as to purity and germination, standard. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$17.50.

### WHITE CLOVER

This is the genuine Dutch dwarf-growing white clover used extensively in lawn mixtures and is very valuable as a lawn seed on very sandy soils. It roots deeply and does not require much water and care and will still look well. Lb., 60c; 10 lbs., \$5.50.

### SUPERIOR LAWN MIXTURE

Our best lawn mixture for fine lawns. Contains chiefly our Superior Blue Grass, Creeping Bent, Bermuda Grass and White Clover. It is mixed in the proper proportion to make a good turf which will wear as no other will. Fine for improving old lawns. Lb., 40c; 10 lbs., \$3.50.

### LAWN MAKING

The soil should be spaded deep and well prepared. It should not be too rich, as a rapid growth is not wanted in grasses of a lawn, but the surface should be as much alike as possible. Sow the seed in two directions, then roll and cross roll in order to press the seed firmly into the soil. In about 10 days apply a light application of Aabling's Lawn Fertilizer mixed with an equal part of good loam. This will serve to stimulate the young grasses. The best time for this is just before a rain, so that the fertilizer will be washed into the roots of the grass.

We are often asked when is the "best" time to plant a lawn. We know that from the middle of March until the end of June is the best time or the best lawn can be obtained with the least trouble and with less danger of a failure. Although we sell large quantities of grass seed all through the summer months but advise people they must be more careful in planting and watering. The fall is a good time but great care should be taken so that your ground will be clear of weeds. Do not plant between November 15 and March 1st, as the ground is cold and seeds liable to decay.

**ROLLING.** Roll frequently, especially in the spring, as the winter frosts loosen the soil and rolling is necessary to compress it again.

**MOWING.** Mow often, as it tends to improve the roots and the fineness of the texture. Be careful in the summer time, as the roots require a covering during hot summer months.

Follow these directions and use our Superior Lawn Mixture and Superior Lawn Fertilizer and you will have your lawn talked about.

All Clover, Grass and Field Seeds are F. O. B. Seattle. If you desire them to come by parcel post add postage.

**IF YOUR GROUND IS TOO POOR TO GET A LAWN YOU MUST USE FERTILIZERS. WE MAKE OUR OWN FERTILIZERS AND THEY ARE BOUND TO PRODUCE RESULTS. WE HAVE THEM ANALYZED BY THE STATE AND FULL ANALYSIS PLACED ON EVERY PACKAGE.**

**WHITE CLOVER**  
 (Trifolium Repens 99% Pure)

Unequaled for a lawn that will stand hard usage. It roots deeply and requires less water than lawn grasses. In a mixture with Blue Grass it is very desirable. Valuable in permanent pastures as its foliage is sweet and nutritious. In mixtures 1 to 2 pounds, alone 8 to 10 lbs. to acre. Lb., 60c; 10 lbs., \$5.50.

**CRIMSON CLOVER**  
 (Trifolium Incarnatum)

Annual variety growing 1 to 2 feet high with scarlet blossoms. Good for plowing under for green manure, for pasture and for hay if cut when in full bloom. Will not stand extreme winter weather. 20 lbs. to acre. Lb., 25c; 10 lbs., \$2.00.

**ORCHARD GRASS**  
 (Dactylis Glomerata)

One of the most valuable of all pasture grasses; produces an immense quantity of forage, and hay of best quality. After being sown, cernose up quickly and yields very heavily. Suitable for pasture under trees. Not suitable for lawns, as it grows in tussocks. Sow 35 lbs. per acre. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

**BERMUDA GRASS**  
 (Cynodon Dactylon)

A dwarf perennial plant that is hard to eradicate once it has secured a foothold; thrives during the hottest part of the year, and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. The seed is very slow to germinate and requires heat and moisture. Sow 10 lbs. per acre. Per lb., 50c; 10 lbs., \$4.50.

**RED FESCUE**  
 (Festuca Rubra)

**SOMETIMES CALLED CREEPING FESQUE.** Forms a close, rich and lasting sod. Valuable in golf and tennis mixtures and may be used to bind dry banks. Sow 30 lbs. to acre. Lb., 40c; 10 lbs., \$3.75; 100 lbs., \$35.00.

**SUDAN GRASS**  
 (Andropogon Sorghum)

A valuable, drought-resisting forage plant introduced by the Department of Agriculture from the Sudan, Egypt, as being especially adapted to hot, dry sections, although it will stand quite a good deal of moisture. It is an annual but cannot be sown until the ground is warm in the spring. Grows very high and may be cut several times during the season. Stock like the hay and thrive upon it. Pound, 50c.

**TIMOTHY SEED**  
 99½ Per Cent Pure

The grade we offer is particularly "choice," free from weed seeds and of high germinating power. Timothy is the great standard hay grass of the Eastern part of the country. It makes hay of the best quality and produces a larger crop on good soil than any other grass. Not adapted for pasture, as there is little growth after cutting and tramping of stock soon destroys it. Not a lawn grass and not adapted for dry soils; height, 2 or 3 feet. Often sown with red top and red clover. Sow 15 to 20 lbs. Price fluctuates. Lb., 10c; 10 lbs., \$1.00; 100 lbs., \$9.00.

**KENTUCKY BLUE GRASS**  
 (Poa Pratensis)

Fancy or double; extra clean. As this grass takes some time to become established it is preferably sown in mixtures for pasturage. Is truly perennial and prefers lime soil. As a lawn grass it is the superior of any other grass, of spreading habit, even texture, permanent, fine leaf and dark color.

For pasture sow 50 lbs. to acre; for lawns, 4 or 5 lbs. for 1,000 sq. ft. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$17.50.

**ENGLISH RYE GRASS**

It grows rapidly and makes a good showing within month from time of sowing. The great pasture and meadow grass of Great Britain and well adapted to the country west of the Cascades. Valuable for planting early on dry hillside. A good lawn grass but a little coarse. Sow 60 lbs. per acre. Lb., 15c; 10 lbs., \$1.25; 100 lbs., \$11.00.

**TALL MEADOW OAT GRASS**  
 (Avena Elatior)

This wonderful grass often attains a height of 3 or 4 feet by the middle of June. Makes good hay that is relished by stock. Can be fed as pasture grass and is splendid for mixing with other grasses. Lb., 30c; 10 lbs., \$2.20; 100 lbs., \$20.00.

**SHEEP'S FESCUE**  
 (Festuca Ovina)

Short and dense in growth, excellent for sheep pastures, because it will thrive on poor, gravelly, shallow or hilly soils where other grasses fail. Not recommended for lawns under ordinary conditions, because it bunches. Sow 35 lbs. per acre. Lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00.

**BROME GRASS**  
 (Bromus Inermis)

Will stand droughts and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest grasses and succeeds on our dry hillsides. Sow 35 lbs. per acre. Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.

**RED TOP**  
 (Agrostis Vulgaris)

**HEED'S GRASS.** Second only to Timothy as a hay grass, and makes one of the best permanent pastures. Also valuable as a lawn grass, giving quick effect. Sow 40 lbs. to acre. In chaff, lb., 20c; lbs., \$1.75; 100 lbs., \$15.00. Fancy, free from chaff, sow 15 lbs. to acre, lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00.

We reserve the right to change prices on grass seeds and will notify you of any change before we ship.

**MEADOW FESCUE**  
 (Festuca Pratensis)

**OR ENGLISH BLUE GRASS.** This is a valuable pasture grass as it roots deep and yields a heavy crop of excellent hay. Grows 3 to 4 feet high. Thrives best in damp locations. Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.

## GRASSES AND FIELD SEEDS

Below we are offering Seed Grains that have quality and if you are looking for results and not for cheap inferior seeds it will pay you to order from us, even though you can perhaps save a few cents on a hundred pounds by buying nearer home.

### PASTURE MIXTURE

We have two mixtures of grasses which are excellent for pastures. They contain all of the best grasses for feeding, including those highly priced. No effort or expense has been spared to get the best. These will outlast and outyield any single grass.

**DRY PASTURE MIXTURE.** Per lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

**WET PASTURE MIXTURE.** Per lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

### BARLEY

#### BEARDLESS BARLEY

An extra selected strain entirely free from beards, making it much preferable for hay and on account of being so easy to handle best for grain. Price, \$3.25 per 100 lbs; less than sacks, 3¼c per lb.

#### HULLLESS, OR BALD BARLEY

It is more productive than wheat and is earlier. It can be sown late with reasonable assurance of a crop. Makes a fine grain food for hogs and other stock. Price \$3.00 per 100 lbs. Less than sacks, 3¼c per lb.

### OATS

Use quality seeds to get the most out of your ground. Don't look at the price of the seed stock, for we are obliged to make an additional charge for labor we have expended in recleaning and selecting the stock.

#### SHEDLAND SELECTED SWEDISH OATS

##### More to Acre—Superior Quality

Our best stock grain, large, full and white. Husks light, straw hardy and extra large, making it stand up better. Worth the additional cost. We invite comparison and will furnish samples. 10 lbs., 60c; 100 lbs., \$3.50, by express or freight.

#### DANISH GIANT

A splendid variety for Puget Sound country, where season is short. Grass tall and sturdy and stands the stormy weather without losing the grain. We recommend this to be used with Field Peas and Vetch. 10 lbs., 50c; 100 lbs., \$3.00; express or freight.

#### OREGON GRAY WINTER

Used exclusively for fall planting. 10 lbs., 40c; 100 lbs., \$2.75 by express or freight.

#### BLACK ALASKA WINTER OATS

This is an exceedingly hardy winter variety which we consider does the best in Western Washington. It is a variety that stands the most severe winters and does extremely well when planted with Vetch. Price \$2.50; less than sacks, 3¼c per lb.

### WHEAT

We carry in stock at all times the finest recleaned seed wheat obtainable in the Northwest and can quote you prices on Blue Stem, Club, Turkey Red in keeping with the quality of the seed. Write us when you are ready to plant for samples and price.

#### ABUNDANCE OATS

This is a new hybrid variety of Oats that has come to us so highly recommended that we offer it to our patrons for a trial.

It matures from 10 to 15 days earlier than other varieties but has a splendid yield and the large, plump, heavy kernels are white and thin skinned. The root growth is heavy so it will stand drouth. The straw is strong and not liable to lodge. Per lb., 10c; 10 lbs., 40c; 100 lbs., \$3.00.

### FIELD PEAS

Makes good silage or green feed and is excellent for turn under for green manure.

#### CANADIAN FIELD PEAS

The most popular variety. Sow with oats in spring. 10 lbs., 80c; 100 lbs., \$6.50, by express or freight.

#### WHIP-POOR-WILL COW PEAS

Grown quite successfully as a fodder plant and to turn under. 10 lbs., \$1.00; 100 lbs., \$8.00, express or freight.

### THOUSAND HEADED KALE

A most valuable green feed for cattle, hogs and poultry. It is hardy and does not lie down in this locality. Sow in rotation and you will have green feed at all times.

Seed is sown in drills 3 feet apart and transplant when 18 inches high and set 3 feet apart each way. They grow about 4 feet high. They require rich soil and thorough cultivation. Under favorable conditions will sometimes yield as high as sixty tons of green feed to the acre. One pound of seed will produce sufficient plants for one acre. Lb., 50c, postpaid.

### DWARF ESSEX RAPE

#### Summer and Fall Forage

Very valuable for poultry raisers for green feed. Saw rotation crops and you will have green feed at all times. Poultry men claim there is nothing better. Lb., 25c, postpaid; 10 lbs., \$1.25, by express.

### MARROW CABBAGE

#### (Chan Moellier)

#### WHITE STEMMED MARROW KALE

This wonderful plant is even a more prodigious producer of green stock food than Thousand Headed Kale, although it is very similar to it and is planted and cared for in the same way, but it is not quite so hardy. Can be depended upon to produce immense quantities of green food for stock and poultry in the fall and early winter. The stalks may be fed to cows.

The plants average 4 to 6 feet in height with stalks 5 to 6 inches in diameter. One pound of seed will produce plants for one acre. Per pkg., 10c; lb., \$1.00.

### VETCHES

....This valuable crop is rapidly becoming used very extensively all through the Northwest. It is fine for silage, pasture soiling and cover crop.

#### COMMON OR SPRING VETCH

Is best adapted for west of the Cascades, where it is very successful when sown with Winter Rye, Oats or Wheat. Does well when sown in spring. 10 lbs., 75c; 100 lbs., \$5.50, by express or freight.

#### WINTER SAND OR HAIRY VETCH

Does best east of mountains and may be sowed either fall or spring. 10 lbs., \$2.00; 100 lbs., \$17.50. by express or freight.



## FIELD CORN

## Washington Grown

## SEED CORN

An early Yellow Dent Variety that has taken 10 years to bring to its present standard. This year seed was sown May 20 and harvested September 15, thus assuring a perfectly matured corn. The ears are good size and well filled with a heavy corn. Sold only on the ears and you can be assured of what you are getting. Per ear, 15c; 10 ears, \$1.25, postpaid.

### PRIDE OF THE NORTH

(Ninety days.) A quick growing variety that does exceedingly well west of the Cascades. Planted as late as July 4, it has fully matured by October 1st.

### YELLOW GOLDEN DENT

A northern grown Corn that has done exceedingly well in this locality. Exceedingly good for silos.

### IOWA GOLD MINE

A splendid yellow dent variety. Does well in this locality.

### IMPROVED KING PHILLIP

(Extra Early Red Flint. Extremely hardy, and one of the best early sort.

### WHITE DENT

A good variety of White Corn that is the result of careful selecting. Fine for fodder.

### MINNESOTA NO. 13

Grown extensively in Skagit County and has been known to mature very well.

### KING PHILLIP

An early red flint which is exclusively used by some ranchers for ensilage.

All field corns, 15c lb., postpaid; 10 lbs., 75c; 25 lbs., \$1.50; 100 lbs., \$5.00, by express or freight.

### BUCKWHEAT, JAPANESE

The best and most profitable variety to grow. Usually more productive and earlier. We recommend it to all bee raisers. 10 lbs., 50c; 100 lbs., \$4.00; by express or freight.

### WHITE OR SILVER HULLED

A good and popular variety. A valuable plant for bee raisers. 10 lbs., 50c; 100 lbs., \$4.00; by express or freight.

### FETERITA

A sorghum of special value in dry farming section; especially good for hog feed. Price, 15c lb.; \$10.00 per 100 lbs.

### MILLET, GERMAN OR GOLDEN

A medium early variety, growing four or five feet high, and making a very good quality of hay or forage, although coarser than some varieties. Price, \$6.00 per 100 lbs.; less than sack lots, 6½c per lb.

### HUNGARIAN MILLET

Grows three or four feet high, with slender stems and abundant leaves, producing two or three tons of excellent hay per acre. Price, \$5.50 per 100 lbs.; less than sack lots, 6½c per lb.

### SUDAN GRASS

(See special description on page 28, or Grass Seeds)

A grass seed which can be grown on the most barren arid land and produce fine stock feed and is especially good for our hot, high, dry section, but will stand considerable moisture. It is an annual and must be seeded each year and not until coarser than some varieties. Price, \$6.00 per 100 lbs.; less than after the ground becomes thoroughly warmed. Price 50c per lb.

### MAMMOTH RUSSIAN SUNFLOWER

The largest variety, bearing heads fifteen to twenty inches in diameter, and producing an immense amount of seed. The seed is excellent poultry food when mixed with grains, and should be more generally grown by poultrymen. Price, 1 lb., 15c; 10 lbs., \$1.25.

### THE DANISH MANGEL WURZEL, SLUDSTRUP

The highest point of Mangel Culture has been reached in the production of THE SLUDSTRUP, which has repeatedly been awarded a first-class certificate, which makes it, without a doubt, the best Mangel in the world.

It is long, smooth, reddish-yellow in color, grows well above the ground, making it easy to pull, and the crop it yields is phenomenal.

You cannot do better than to put in a big crop of SLUDSTRUP and have quantities of fresh, nutritious and wholesome food during the winter months for stock and poultry.

Our Seeds are grown by the old reliable growers, Daenfeldt, in Odense, Denmark, for us.

### DANISH MANGEL WURZEL, SLUDSTRUP.

Price, per oz., 10c; per lb., 60c; 10 lbs., \$5.00. All Mangels postpaid.

Write us for special prices on large quantities.

For other Mangels see Stock Beets in Vegetable department of catalogue.

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## TREATMENT OF FLOWER SEED

There are no more satisfactory flowers than those grown from seed, especially the easily grown and brilliant flowered annuals. The beautiful shrubs and lilies, of course, have their place, but are far more expensive than a paper of seed which will furnish a large number of plants with usually enough for one's garden and some to spare.

Aim to have your garden one artistic unit, with some flowers in bloom at all seasons, with colors which harmonize, and plants in size grading from the dwarf borders, to the bedding annuals, and then to the taller plants, which usually should stand next to the house or other confines of the garden or lawn. A garden carefully thought out and planted gives very much more pleasure than a haphazard one.

A perfect garden could not be made from seed alone; the grounds must have some shrubbery for its permanent character. We have a nursery department, which supplies every need for private grounds of all dimensions; see our list of trees and shrubs in the succeeding pages of this guide. On the other hand no garden would be pretty or satisfactory which did not have a good number of flowers from our flower seed list most carefully chosen and placed in the garden.

### WHEN TO PLANT FLOWER SEED

Perhaps you have noticed that many of the descriptions of flowers contain the words "annual," "hardy annual," "tender annual," "perennial," "tender perennial," etc. These may have seemed to you tiresome descriptions, but properly understood they tell much about planting.

**HALF HARDY** means the plant will stand any light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

**HARDY** means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

**ANNUALS** are plants that bloom the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

**BIENNIALS** are plants that bloom the second year from seed, and the plant dies after the second year. On the Coast many of these will bloom the first year if sown early. Sow under same conditions as perennials.

**PERENNIALS** are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April 15) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April 15 to June). Hardy perennials are best sown in the late summer and early fall (July to October) for next year's flowers.

### HOW TO SOW FLOWER SEEDS

The success from sowing seeds depends upon three things, the right amount of water, of air, and of heat, which means practically have your soil right as to moisture and texture, your seed sown at a proper depth and where the sunshine can furnish the heat. Soil that is hard and going to bake is not right to start seeds in. Take such soil in the fall and spade in manure or leaf mould and let it rot for several months and then work up fine. In the spring add to a heavy, that is clayey, soil peat or decayed leaf mould, and sand (sharp, fresh-water sand), so that there is one-third loam, one-third sand, and one-third leaf mould. This makes an excellent soil for starting fine seeds. For potting add a small amount of old sheep or cow manure.

### SEED IN THE OPEN

Seeds of hardy annuals are sown directly in the bed where they are to remain, or they may be sown in boxes and transplanted. Have the ground well worked up and mixed with leaf mould, if needed. The soil should be well moistened, not wet and soggy, and not, by any means, dry when the seeds are sown. Put all medium-sized seeds at a depth of one-quarter to one-half inch. Sweet Jeas should go deeper. Very fine seeds should be pressed into the soil and a little sand sifted over them. Water more frequently if the seed is close to the surface, and if necessary protect with cheesecloth while watering. Always press or fire the soil after sowing any seed. These seed are best sown in the open so as not to be transplanted, *Eschscholtzia*, *Nasturtium*, *Poppy*, also very many others, may be profitably so sown.

If the seed be sown directly in the garden, it should be sown in the spring after the soil is well worked and when in moist condition. A slight depression should be made with a stick, the seed sown, and when covered with sandy loam about twice the depth of the diameter of the seed. The seed will prevent the crusting over of the soil after watering.

When up, the plants must be thinned from two to twelve inches, depending on the variety, otherwise they will be weak and spindling. It is a common mistake in the garden to leave plants altogether too thick. Always keep the weeds out.

### SEEDS IN BOXES

Always use care in getting a good loam as described. Use no manure in any seed box. Boxes 4 inches deep and 18x24 inches is the usual size. See that the good drainage is provided by boring holes in the bottom, fill with the fine prepared soil which should be moist, but not wet enough to stick together when squeezed with the hand. Sow the seed about one-quarter inch deep except fine seeds. Water, so as to keep the soil always just moist. Water carefully and regularly. A pane of glass over the box adds more heat, protects from draughts, prevents drying out, and is not necessary except for difficult seeds. The box should be in the sunlight. When the plants are in third or fourth leaf they should be picked out and reset in another box with plenty of room, for it is important that the plant be of good size, strong and sturdy, when finally transplanted in the garden.

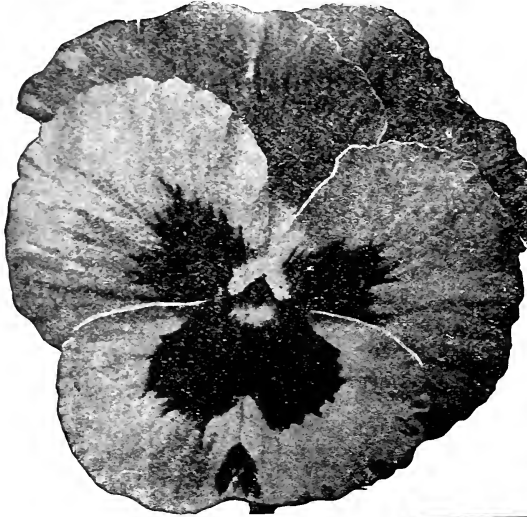
Another mistake in sowing flower, as well as other seed, is covering too deep. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like *Balsams*, *Zinnias*, etc., one-quarter to one-half inch is the proper depth. Such fine seeds as *Portulacas*, *Nicotiana*, etc., need not yet be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardy annuals may be sown where they are to grow; but, often, it is preferable to transplant. When the seedlings are first set out they should be watered frequently and should be protected from too much sunlight and from heavy rains. Provide some support from all such annuals as require it.



## OUR SPECIAL FLOWER OFFERING FOR 1917 A Few Special Offerings

We list here for the especial notice of those lovers of flowers who wish something out of the ordinary a few special offerings which are the newest and best that have been produced by the famous gardeners of the world, each one of which has taken years of effort on the part of the producer to bring to its present state of perfection.

Although new, they can be depended upon almost without exception to remain true to type.



### MASTERPIECE PANSY

We are still offering this splendid Pansy among our specials, as we have been able to find nothing finer in this universally loved flower.

Our stock of Pansy seed, especially of this variety, is the finest to be had in all of Europe. The flowers have been known to measure up to four inches across and invariably run between two and three inches. The seed comes in mixed colors, with a greater portion of the blotched varieties. Packet contains enough seed to be assured of 100 plants. Sold only in 25c packets. Try one.

### DIPPE'S SELECT GERMAN STOCK

We have secured a selected strain of this choice flower, which bears fully 80% of double flowers. They bloom very early. A beautiful soft pink, long stems. Fine for cut flowers. Pkt., 15c.

### WALL FLOWER—CLOTH OF GOLD

This is the finest variety of the Wall Flower. Not the common one, as it differs in shape. This one blooms in a sort of a spike. If you are a lover of the Wall Flower try a package of this at 15c.

### VIOLET BLUE WALL FLOWER

A rare novelty that has attracted considerable attention wherever shown. Is a tall branching variety a beautiful specimen. Pkt., 15c.

### ALYSSUM BENTHAMII COMPACTUM

A very dwarf growing Alyssum that is especially recommended for borders. This is a vetter type than the common flower. We have a small lot of this selected seed. Pkt., 15c.

### OUR SUPERB NEW ANTIRRHINUM

This wonderful flower in its present state of development is superb both for massing in beds and for cutting. It bears immense, graceful spikes in a great variety of colors ranging from the richly brilliant to the soft and dainty. We list the following colorings for your choosing:

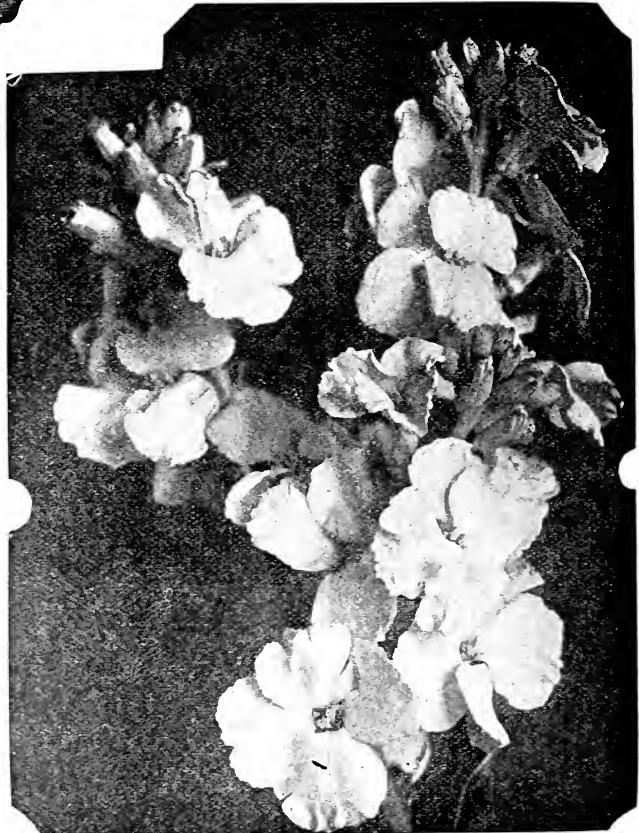
**QUEEN VICTORIA**, Coral Red  
**NANUM**, Brilliant Rose Pink  
**NANUM**, Canary Yellow  
**DEFIANCE**, Scarlet  
**DEFIANCE**, Soft Pink  
**DEFIANCE**, Pure White  
**VENUS**, Soft Pink, White Throat  
Any of the above varieties, pkt., 10c.

### CALIFORNIA HYBRIDA

Long-Spurred Hybrid, Aquilegia or Columbine

We are offering here a new strain of this lovely flower that is sure to delight you. You will want to plant it wherever there is especial need of grace and beauty, to prevent your garden from getting a too-stiff appearance.

**CALIFORNIA HYBRIDA**. Exquisite flowers in Yellow and Orange shades. Pkt., 25c.



WALL FLOWER—CLOTH OF GOLD



## ASTERS—BENARY BRANCHING

(See engraving on following page.)

We consider this the finest aster in every particular that has yet been produced. The flowers are of immense size, some times 5 inches across, and beautifully fluffy. It may justly be called "The Chrysanthemum of Summer," for it greatly resembles that magnificent flower. Pkt., 15c.

We especially recommend that you take advantage of our "Collection Offer." You can never get better value for your money.

**SINGLE JAPANESE.** Single Asters which bear large star-shaped flowers, reminding one of the single-blooming Japanese Chrysanthemums. The yellow central disc is encircled by a wreath of long quilled ray petals, delicate rose, which lend to the bloom an uncommonly graceful and bizarre aspect. Of branching habit, the plant throws up a large number of strong side stalks right from the base of the main stem. This places the single Japanese Asters in the very front rank as a cut flower, but it can also be used with advantage for late summer bedding. Pkt., 15c.

**CARDINAL CLIMBER.** No introduction of recent years has met with more favorable comment than this brilliant annual climber. Beautiful alike in flower and foliage, it is the most striking novelty of a decade. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful, fern-like, lacinated foliage, and literally covered with a blaze of circular fiery, cardinal-red flowers from mid-summer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blossoms each, and wherever it has been grown during the past four seasons has attracted more attention and favorable comment than any other plant in the garden.

**OUR TWO FINEST COSMOS.** We have two new varieties of this most popular fall flower that are equally lovely and you will probably want to try them both, for there is no more satisfactory annual. It produces such a profusion of bloom when other flowers are scarce, and is wonderfully showy in the garden.

**KLONDYKE GOLDEN.** Golden-yellow, flowers borne on long stems and measure from 2½ to 3½ inches across. To get this variety in bloom before frost in the states north of Virginia it should be grown in pots or boxes, so that the roots are confined, thus throwing it into flower. Pkt., 10c.

**LADY LENNOX.** This, the latest development in this popular flower, bears gigantic flowers, with wide, overlapping petals of splendid substance, making a perfectly circular flower, which is borne on very long stems, in color a beautiful deep rosy-pink. Pkt., 10c.

### POPPY, DOUBLE RANUNCULUS

**FRENCH RANUNCULUS-FLOWEBED (Double Mixed).** The double Ranunculus Poppies stand high in popular favor—being remarkable for their freedom of bloom and their ease of culture. As cut flowers taken before fully developed they last several days in water. Per oz., 25c; pkt., 15c.

### GIANT HYACINTH-FLOWEBED LARKSPUR

This is the finest of the improved annual Larkspurs. The splendid flowers are very large and very double, and the colors clear and beautiful. Height 15 to 18 inches. Pkt., 10c.

1228—White; 1229—Rose; 1230—Indigo Blue.

### HERCULES SPENCER SWEET PEAS

We would not consider our "Specials" complete without an enthusiastic mention of this superb variety of Sweet Pea. You will find a complete description of it on page 49 of the Sweet Pea section. We hope you will plant it this year if you have not yet done so. We know you will if you have once had the satisfaction of having it in your garden.

**Hercules**

## ASTERS

We are offering below a variety of Asters that cannot be excelled anywhere. Besides the Branching Asters, we have the well known Comet, Hercules, Victoria and Elegance. The best results are obtained by planting in boxes and transplanting, although they can be raised successfully by planting outside in the open ground.



**ASTER SEMPLE OR GIANT BRANCHING.** This is the favorite amongst the Branching Asters. It is a well known variety and does very well in this locality. The flowers are large, and the coloring exquisite. White, lavender, pink, dark blue. Pkt., 10c; or a mixture containing all colors, pkt., 10c.

**ASTER, NEW ENGLAND PERENNIAL**  
(Michaelma Daisy).

A splendid flower, grows 4 to 5 feet. Hardy and a wild flower in New England. A very handsome flower. Mixed colors, pkt., 15c.

**ABRONIA (Sand Verbena).** A hardy annual trailing in habit, about nine inches high, bearing verbena like clusters of flowers. Thrives in dry places and valuable in rock work and hanging baskets. Pkt., 5c.

**ACACIA ARMATA.** A good pot plant. In high repute for decorative purposes. Also called Kangaroo Thorn. Price, per pkt., 5c.

**ACHILLEA (The Pearl of Sneezewort).** One of the best hardy perennials, bears a profusion of small double, white flowers the entire season. Fine for cutting. Pkt., 15c.

**AMARANTHUS.** Hardy annual, grown especially for their brilliant foliage.

**LOVE LIES BLEEDING.** Foliage light yellowish green, crimson flowers. Pkt., 5c.

**PRINCE'S FEATHERS.** Tall spikes of feathery red flowers. Pkt., 5c.

**JOSEPH'S COAT.** Foliage variegated red, yellow and green. Pkt., 5c.

**BENARY BRANCHING ASTER.** Any one who likes long-stemmed branching Asters wants this magnificent new Aster. Flowers usually 4 and sometimes 5 inches across, very double and as fine as any chrysanthemum. We consider this the finest Aster there is and culture the same as other Asters.

**YELLOW,** pkt., 15c.

**WHITE,** pkt., 15c.

**LAVENDER,** pkt., 15c.

**SALMON,** pkt., 15c.

**BLUE,** pkt., 15c.

**COLLECTION** of one of each of the five for 50c.

**GIANT COMET ASTER.** A taller variety of the Comet type with branching stems and very valuable for cutting. White, peach blossom, scarlet, dark blue, in separate colors, and these varieties in a mixture. Pkt., 10c; or 4 varieties for 30c.

**HERCULES ASTER.** One of Benary's most modern introductions. It has long curly petals which droop and curl gracefully from the center and resembles a Chrysanthemum and often measures 5 inches across. They need rich soil and careful attention to bring out these results. Pkt., 25c.

**ADONIS (Floss Adonis or Pheasant's Eye).** A hardy annual of easy culture, growing about one foot high. Leaves fine cut and feathery, flowers crimson. Pkt., 5c.

**VICTORIA.** One of the best bedding varieties of the smaller sized blossoms. They grow from 12 to 14 inches high, and are great bloomers. White, rose blue. Pkt., 5c; mixture of all colors, pkt., 5c.

**SINGLE ELEGANCE.** Something new and very fine. Only in mixed colors. Pkt., 10c.

**SINGLE JAPANESE.** One of the best varieties of single Asters that has ever been introduced. It is truly a wonderful flower and as Asters are so easily cultivated every lover of flowers should try a package. Pkt., 15c.

**ALONSOA.** This is a bright scarlet annual about 10 inches high. The flowers are borne in twos and threes along the stems; suitable for the border. Treat as half-hardy annual.

**ACROCLINIUM.** Very pretty annual producing white and rose colored daisy-like flowers in August and September. They are the Immortelles so desired for wreaths and fall bouquets. One foot high. White, pkt., 5c; Rose, pkt., 5c.

**ACANTHUS SPINOSUS (Bear's Breach).** A fine perennial and a very effective flower, does well in shady places. Pkt., 5c.

**AGERATUM.** A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes or transplant, or out of doors. Color, deep blue. Pkt., 5c.

## NOVELTIES IN FLOWER SEEDS

**ALYSSUM.** A fragrant, hardy annual, having the odor of honey and bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for borders or early bedding flowers. Sow the seed early in the spring.

**COMMON SWEET ALYSSUM,** pkt., 5c; oz., 30c.

**LITTLE GEM.** 3 to 4 inches high. Pkt., 5c; oz., 50c.

**DWARF BOUQUET.** Highly scented; something new. Pkt., 10c.

**SAXATILE.** A yellowish sort, perennial. Pkt., 5c.

**BENTHAMI COMPACTUM.** A very dwarf growing Alyssum that is especially recommended for borders. This is a better type than the common flower. We have a small lot of this selected seed. Pkt., 15c.

**ADLUMIA CIRRHOSA (Mountain Fringe or Allegheny Vine).** An attractive and beautiful hardy climber, biennial, flowering the first season, clusters of small rosy lilac flowers and pale green feathery foliage. Grows 15 feet tall. Pkt., 10c.

**AURICULA (Primula Auricula).** A great favorite in England where flower shows are held of this plant alone. It is not very well known here, but is fast coming into popularity. Extra choice seeds for displaying. Pkt., 15c.

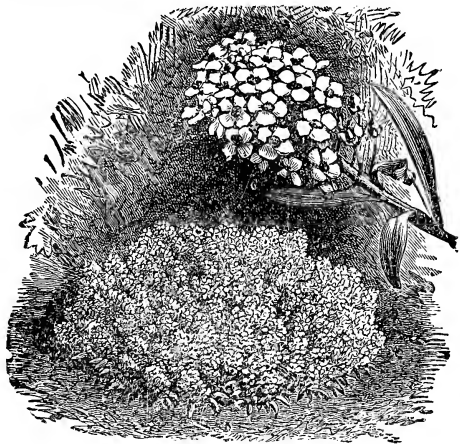
**ANCHUSA.** A hardy annual bearing blue forget-me-not-like flowers. Pkt., 5c. Flesh color. Pkt., 5c.

**ASPARAGUS.** The well known Asparagus fern used for decorating and in bouquets can be easily grown with a little extra care. Seeds start slowly and should be soaked in warm water before sowing.

**PLUMOSUS.** The tall Asparagus fern with delicate, feathery foliage. Pkt., 10c; 25 seeds, 25c.

**SPRENGERL.** An early, easily grown, feathery-leaved variety, especially for hanging baskets. Pkt., 10c; 30 seeds, 25c.

**ASPERULA ODORATA (Woodruff New Mown Hay).** The dried leaves and stems are very fragrant. Perennial white, sweet scented. Height 4 inches.



SWEET ALYSSUM

**ANEMONE.** A half-hardy perennial cup-shaped flower in blue, red and white; comes into bloom in May and June. Pkt., 5c.

**ACROSTEMMA (Rose of Heaven).** This plant has silvery white leaves and red flowers, borne on long slender stems; flowers resemble a single pink. Two feet high. Perennial, mixed colors. Pkt., 5c.

**ARABIS ALPINA.** A white, early blooming flower, called Snow in the Mountain; a beautiful perennial that does well in this location. Pkt., 10c.

**ARCTOTIS GRANDIS (African Daisy).** A remarkably handsome and effective annual, of branched habit, 2 to 2½ feet in height and breadth. The flowers are long-stemmed, large and showy, being white on the upper surface with yellow zone in center and under side of petals a pale lilac blue. Pkt., 10c.

## Aabling-Boyce TALL GIANT FLOWERING ANTIRRHINUMS

This immensely popular flower is a direct descendant of the quaint Snapdragon of old, but so enlarged and improved in the variety and richness of coloring as to be in an entirely different class.

They cannot be surpassed either for bedding or cut flowers.

**QUEEN VICTORIA.** White. Pkt., 15c.

**QUEEN VICTORIA.** Scarlet. Pkt., 10c.

**QUEEN VICTORIA.** Carmine. Pkt., 10c.

**QUEEN VICTORIA.** Coral Red. Pkt., 10c.

**QUEEN VICTORIA.** Yellow. Pkt., 10c.

**BEST MIXED.** Pkt., 10c.

**NANUM.** Scarlet. Pkt., 10c.

**NANUM.** Brilliant Rose Pink. Pkt., 10c.

**NANUM.** Canary Yellow. Pkt., 10c.

**DEFIANCE.** Scarlet. Pkt., 10c.

**DEFIANCE.** Soft Pink. Pkt., 10c.

**DEFIANCE.** Pure White. Pkt., 10c.

**VENUS.** Soft Pink, White Throat. Pkt., 10c.

**OTHELLO.** A splendid new variety, than which there is no more satisfactory flower for the garden. Pkt., 10c.

**COLUMBINE** and sometimes called **HONEY-SUCKLE.** No garden is complete without some of these graceful flowers. It thrives in partial shade and moist places. Pkt., 10c.

**CALIFORNIA HYBRIDA.** Exquisite flowers in yellow and orange shades. Pkt., 5c.

**COERULEA HYBRIDA.** Beautiful hybrids that bear large flowers in a variety of colors. Pkt., 5c.

**ALPINA SUPERBA.** Pkt., 5c.

**VULGARIS (Double Mixed).** Pkt., 5c.

**VULGARIS (Single Mixed).** Pkt., 5c.

**IAETSCHAU.** Pkt., 10c.

**EMPEROR WILLIAM (Corn Flower).** A hardy annual easily cultivated, and our seeds are the improved sort that produce handsome flowers of a great variety of rich colors. Pkt., 5c.

**BALLOON VINE (Love-in-a-puff).** Climbing annual, flowers small, but the seed pods are curiously swelled and quite attractive. Pkt., 5c.

**BALSAM (Lady's Slipper).** A tender annual with brittle stems and foliage. Grows twelve inches high. Flowers both single and double in very bright colors, are waxy and very attractive. Double varieties, rose, scarlet and lilac. Pkt., 10c.

**BEGONIA.** Usually grown from bulbs. See Bulbs.

**BIGNONIA.** (Trumpet Flower). A fine climbing for conservatory decoration and warm situations in the garden. Seeds must be sown in heat early in spring.

**TWEEDINANA.** Yellow. Pkt., 10c.

**FORGET-ME-NOT (Hybridia Argentina).** A new type of this old-fashioned flower that has just been introduced by the largest grower of flower seed in Europe. They claim it the finest to be had. Flowers light blue, compact, and blooms from early spring until autumn. Pkt., 15c.



## CARNATIONS

are general favorites for their delicious fragrance and richness of colors. They are indispensable, both for greenhouse culture in winter and for the garden in summer. The Marguerite and Chabaud's type are the best for summer flowering.

### MARGUERITE CARNATIONS

These are deservedly the most popular Carnations with the amateur, as they begin flowering in a few weeks from time of sowing. The strain offered is of extra fine quality, producing on long, strong stems an abundance of large, double, beautifully fringed, highly scented flowers; with slight protection they will survive an ordinary winter and bloom freely the following spring.

**PURE WHITE.** Pkt., 10c.

**YELLOW.** Pkt., 10c.

**DEEP RED.** Pkt., 10c.

All of above colored mixed, pkt., 10c.

**COSMOS.** One of the very finest late summer and fall flowers. Excellent for cutting. The plant grows tall and is full of pink, white and crimson blossoms. Cosmos should be in every garden. Grows easily.

**GREENADIN CARNATION.** Extra selet double border Carnations; white, scarlet and mixed. Pkt., 15c.

**GREENADIN SCARLET.** A selected seed. Blooms freely and early and especially fine for borders. Pkt., 15c.

**BELLIS PERENNIS (Double Daisy).** The little daisy we all like growing in our lawns, used extensively for borders. A hardy perennial that improves with cultivation. Red, white and pink. Pkt., 10c; mixed colors, pkt., 10c.

**GIANT MONSTROSA (Finest Daisy).** A new and giant flowering daisy. The flowers are from 2 to 3 inches across, stems long and can be used as a cut flower. Colors, white, light rose, red. Pkt., 25c.

**SNOWBALL.** Pkt., 25c.

**BEOWALLIA.** A half-hardy annual making a fine bedding plant; blooms profusely. The flowers are bright ultra-marine blue, and also sky blue with white centers. Pkt., 5c.

**CANDYTUFT.** A hardy annual growing from 6 to 10 inches high, according to the variety. It is amongst the most highly prized of garden annuals. Grows easily and does exceedingly well in this locality. Excellent for borders, bedding or masses.

**WHITE EMPRESS.** Very large heads and long spikes. Pkt., 10c; oz., 50c.

**GIBRALTARICA.** A perennial lilac shading to white. Pkt., 10c.

**COMMON SWEET-SCENTED VARIETY.** Pkt., 5c; oz., 20c.

**CARMINE-PURPLE, or WHITE ROCKET.** Pkt., 5c; oz., 40c.

## ORNAMENTAL VARIETIES

**CANTERBURY BELL (Campanula).** A hardy biennial that usually flowers the first year from seed. They are very ornamental, producing large bell shaped flowers of exquisite shades. Single varieties of white, blue, purple and red flowers. Pkt., 10c; mixed varieties, pkt., 5c.

**CUP AND SAUCEE TYPE.** Blue, rose, light blue and mixed. Pkt., 10c.

**CACALIA (Tassel Flower or Flora's Paint Brush).** A neat annual, of easy culture, with tassel-shaped flowers, blooms from June to September; fine for borders. Golden-yellow and scarlet mixed; 1½ feet. Pkt., 10c.

**CALAMPELIS, also called BUGLE VINE.** Climber for verandas, trellises, etc. Handsome racemes of bloom. Perennial. Sow in heat to bloom the first season out of doors. Pkt., 10c.

**CALCEOLARIA.** A tender perennial used largely in hot houses and conservatories. Bears great quantities of small flowers, which are beautifully tigered and spotted. Pkt., 25c.

**OLYMPIA GRANDIFLORA.** A selected stock: large flowered, self-colored; a profuse bloomer. Pkt., 35c.

**BUGOSA AUREA (Golden Rain).** Pkt., 25c.

**CALENDULA (Pot-Marigold).** Very hardy annual, blooms freely and lasts for several months. It is of easy culture and thrives well in poor soil, where less sturdy flowers do poorly. Miked. Pkt., 5c.



### MARGUERITE CARNATION

**CALENDULA METEOR.** Large, double yellow flowers, striped with orange. Pkt., 5c.

**PRINCE GEORGE.** A fine, deep scarlet. Pkt., 5c.

**CALLIOPSIS.** A hardy annual, growing about three feet high and valuable for bright bedding effects. Blossoms single and about three inches in diameter. Mixed. Pkt., 5c.

**CALLIOPSIS ATKINSONI.** Yellow and brown, a selected strain. Pkt., 10c.

**CANCELOLATA GRANDIFLORA.** Perennial. No flower lasts as long as this one. Flowers bright yellow, last well and a very satisfactory flower. Grows easily and well from seed. Pkt., 10c.

**CLARKIA.** A hardy annual of easy culture, growing about eighteen inches high, bearing bright double rose, white or purple flowers in great profusion. Seeds can be sown almost any time. Pkt., 5c.

**BELLIANT CARMINE.** Pkt., 5c.

**SALMON QUEEN.** Pkt., 5c.

**PULCHELLA ALBA FL. FL.** Pkt., 5c.

**PULCHELLA RUBRA.** Pkt., 5c.

**CARDINAL CLIMBER.** A climber of real merit, grows thirty feet and bears a mass of fiery cardinal red flowers. Plant late, as the seeds require warm weather to start. Pkt., 25c.

**CASTOR OIL BEAN or RICINUS.** A tender annual growing from six to fifteen feet high, bearing a variety of colored leaves. Grows very easily. Pkt., 5c.

**COSMOS.** One of the very finest late summer and fall flowers. Excellent for cutting. The plant grows tall and is full of pink, white and crimson blossoms. Cosmos should be in every garden. Grows easily.

**KLONDYKE.** Golden Yellow flowers on extra long stems that make this variety especially good for cutting. Pkt., 5c.

**LADY LENOX.** This is the newest and most improved strain. The flowers are extra large and they are borne on very long stems.

- VERY CHOICE.** Pkt., 5c.
- BIPINNATA ALBA.** White. Pkt., 5c.
- BIPINNATA ROSEA.** Pink. Pkt., 5c.
- BIPINNATA CRIMSON RAY.** Pkt., 5c.
- BIPINNATA PUYUREA.** Pkt., 5c.
- COSMOS.** Common mixed. Pkt., 10c.

**GRANDIFLORA MAMMOTH.** Late flowering pink, crimson, white and mixed. Pkt., 10c.

**COLUMBINE (Aquilegia).** A hardy perennial growing about two feet tall. Stands partial shade. This is commoner known as the honeysuckle. Single and double varieties. Pkt., 5c.

We offer here some of the latest and finest productions in this deservedly popular flower.

**GENTAUREA.** A hardy annual embracing a number of species, some being grown only for their foliage. See Bachelor's Button, Sweet Sultan, Royal and Dusty Miller. Pkt., 5c.

**VLINTONIA.** Half-hardy annual, especially fine for borders. Very easily grown. Blue and mixed varieties. Pkt., 5c.

**CELOSIA or COCKSCOMB.** A half-hardy annual growing 6 to 8 inches high, bearing a wide wavy blossom that resembles a cockscomb. Dwarf mixed, several shades of red and yellow mixed. Pkt., 10c.

**FLUMOSA THOMSONI MAGNIFICA.** Ranging in color from clearest yellow to darkest blood red. Pkt., 5c.

**MAGNIFICENT CRIMSON.** A very bright color. Pkt., 10c.

**MAGNIFICENT GOLDEN YELLOW.** A fine contrast to the Crimson. Pkt., 10c.

**CORDYLINE.** Perennial shrubs. Sow in early spring, in strong heat, in pots or pans of sandy soil and pot off. Most useful as a table plant for greenhouse decoration, or summer bedding.

**CONVALVULUS (See Morning Glory).** A tender bulbous perennial, used in green houses and window gardens. It can be grown from seed with a little care. Sow in fall or early in the spring. Mixed, pkt., 10 seeds, 25c.

**CYPRESS VINE.** A tender climbing annual. Grows rapidly. Has handsome fern-like foliage and brilliant, attractive flowers. White, scarlet or mixed. Pkt., 5c.

### CHRYSANTHEMUMS

See the plant department for the Hybrid varieties. The ones below listed are the annuals.

**PAINTED DAISY.** Grow from one to one and one-half feet high; grow easily and is very attractive. Pkt., 5c.

**TRICOLOR.** These are large, single flowered sorts, with colors in rings, mixed. Pkt., 5c.

**HALF DWARF.** Of compact growth; flowers large, abundant and later than many sorts. White, scarlet, lilac, rose or mixed. Pkt., 10c.

**LORD BEACONFIELD.** A white outside growing flower that gives very good satisfaction. Pkt., 10c.

**GOLDEN FEATHER.** A very large, fluffy, yellow chrysanthemum that we can recommend. Pkt., 10c.

**VENUSTUM.** A rose variety which goes well with the white and yellow. Pkt., 10c.

**CANNA CROSBY.** Mixture of the popular varieties of the new type. Flowers red and yellow; foliage very large and striking. Pkt., 10c.

**CANARY BIRD FLOWER.** A tender climbing annual of the Nasturtium family. Blossoms have curiously winged petals and are light yellow. Pkt., 5c.



COSMOS

**VINERARIA.** Bears a daisy-like flower in purple, white, red and blue, with a dark center. Does exceedingly well in shaded places. They are used extensively as potted plants.

**HYBRIDA MIXED.** The best varieties, having large flowers and brilliant colors. Extra choice seeds. Pkt., 50c.

**COLEUS.** A tender perennial, quite impossible to start outside of a green house. Plants in season. Pkt., 25c.

**HYBRID GRANDIFLORA.** Blood red. Pkt., 50c.

**COBAEA SCANDENS.** A half-hardy climbing perennial with large leaves, and bell-shaped flowers. Grows 20 feet and is very valuable for covering lattice, fences. (Plants in season.) Pkt., 10c.

**KING EDWARD VII.** One of the choicest of the annuals. The flowers are of perfect form and of unusual size. Color, purest white. Pkt., 10c.

**SEGETUM, WHITE STAR.** A splendid annual variety, valuable for cutting. Flowers, white. Pkt., 5c.

**SEGETUM, MORNING STAR.** Large, cream-colored flowers. Pkt., 5c.

**CARINATUM NORTHERN STAR.** Single giant flowers of white with soft yellow zone against a bold black disk. Pkt., 5c.

**HARDY POMPOM.** A fine strain of the old-fashioned, fall-flowering sorts with double, button-like flowers. Mixed. Pkt., 5c.

**HARDY POMPOM.** Yellow. Pkt., 5c.

**HARDY POMPOM.** Red. Pkt., 5c.

**HARDY POMPOM.** Bronze. Pkt., 5c.

**HARDY POMPOM.** Pink. Pkt., 5c.

**DICITALIS (Foxglove).** A hardy perennial, blooming the second year from seed. The bell shaped flowers are borne on long spikes and come in shades of purple, lavender, yellow, rose and white. Thrives best in cool, shady places. Fine mixed, pkt., 5c.

**YELLOW.** One of the favorite colors. Separate color. Pkt., 10c.

**DIMORPHOTECA (African Golden Daisy).** An extremely showy annual Daisy from South Africa, which suits our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. The flowers, which are 2½ inches and over across, are a unique, rich, glossy orange-gold, with dark disc and halo. These glitter in the sunshine and present a magnificent sight when in full bloom. Seed may be sown in the same way as Asters or Petunias, and should have a dry, sunny position. They bloom the greater part of the summer and fall.

## DAHLIAS

Some of the newest and best varieties of the well known flower has been produced from seeds. We have endeavored to obtain the best to be had in Germany and one can sow early and you will have flowers the same year.

**CACTUS.** Mixed colors. Pkt., 10c.

**DOUBLE,** which includes Show and Pompon. Pkt., 10c.

**SINGLE.** This variety does the best when planted from seed. Pkt., 10c.

## DAISIES

The little daisy we all like growing in our lawns, used extensively for borders. A hardy perennial that improves with cultivation. Red, white and Pink. Pkt., 10c; mixed colors, pkt., 10c.

**SHASTA DAISY.** A fine perennial plant bearing large white single blossoms with yellow centers. Soak seeds in warm water before planting. Pkt., 15c.

**ALASKA DAISY.** One of Burbank's new Daisies. Pkt., 25c.

**FORGET-ME-NOTS.** A favorite old-fashioned flower bearing in profusion, especially in the spring, great masses of dainty blue flowers. It thrives the best in moist, shady spots. One of the best perennials.

**ALPESTRIA.** A trailer, different blue shades. Pkt., 10c.

**SILVATICA.** Light blue shades. Pkt., 10c.

**INDIGO BLUE.** All dark blue shades. Pkt., 10c.

**RUTH FISCHER.** A new introduction. Very fine. Pkt., 15c.

**NEW COMPACTA.** Very dwarf, a great bloomer. Pkt., 15c.

**ESCHSOLTZIA (CALIFORNIA POPPY).** A hardy annual which is one of the most popular and beautiful flowers, it being very easily grown and gives great satisfaction. Pkt., 5c; oz., 35c.

**MANDARIN.** Blossoms are copper-colored outside, and bright yellow inside. Pkt., 5c; oz., 35c.

**CALIFORNIA DOUBLE.** Pkt., 5c; oz., 35c.

**CARMINCA.** A new variety, rose cardinal. Pkt., 10c.

**GRANDIFLORA ROSEA.** Large flowers of rosy pink. Pkt., 5c.

**CARMINE KING.** Largest and best of the red varieties. Pkt., 5c.

**ALBA.** New white variety. 5c.

**EVERLASTING FLOWERS.** A mixture of all the varieties we have, Exceptionally good. Pkt. 5c.

**GEUM.** A beautiful hardy perennial growing about 15 inches high and bearing many large, double flowers of brilliant scarlet from May to July. They are very attractive for cut flowers, as the stems are quite long. May be used for border plants. A splendid addition to the garden. Pkt., 10c.

**GODETIA.** A hardy annual six to ten inches high. A heavy bloomer of satiny cup-shaped flowers in deep red, pink and white shades. A valuable plant for bedding. Sow seed early. Pkt., 5c.

**TOM THUMB varieties or Dwarf Finest Mixed.** Pkt., 5c.

**LADY ALBERMARLE.** Dark crimson. Pkt., 10c.

**PRINCESS HENRY.** Rose with large crimson blotches. Pkt., 10c.

**DUCHESSE OF ALBANY.** Pure white. Pkt., 5c.

**AMAENA.** Rose color. Pkt., 5c.

**DATURA (Trumpet Flower or Horn of Plenty).** A hardy annual growing three feet high. Flowers large and trumpet shaped. Pkt., 5c.

**DIANTHUS (Hyacinth-Bean).** A hardy annual about one foot high, and bearing brilliantly colored single and double blossoms in profusion all summer. Sow early and transplant.

**CHINESE, or India Double White.** Pkt., 5c.

**DOUBLE MIXED.** Pkt., 5c.

**SINGLE MIXED.** Pkt., 5c.

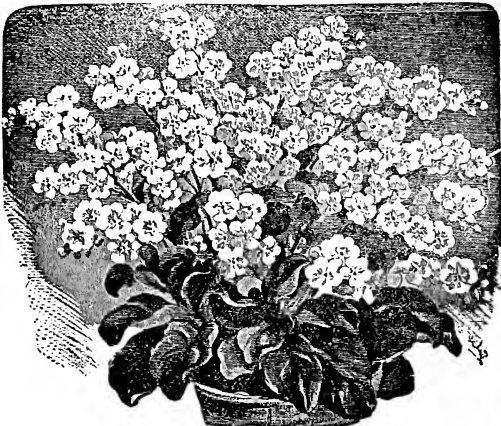
**DOLICHOS.** An annual climber with Wisteria-like blossoms followed by bronze-purple seed pods. Grows 10 feet high.

**DAYLIGHT.** Very quick growing and the foliage is not affected by insect pests. Large clusters of white blossoms. Pkt., 5c.

**DARKNESS.** Same as Daylight, but with rich purple-violet blossoms. Pkt., 5c.

**DRONICUM.** An effective( early flowering perennial. Thick, heavy stems supporting enormous daisy-like flowers with fine petals. Splendid for cutting, and especially effective when massed in the garden.

**CAUCASSIUM.** Very free flowering. Bright yellow. Pkt., 10c.



FORGET-ME-NOTS

**EUPHORBIA MARGINATA,** also called Snow on the Mountain. An annual of very showy appearance. Foliage is light green, broadly tipped with white. Will grow in any soil, but must have sunny location. Pkt., 5c.

**GERANIUM.** Plants of the various shades carried in season.

**GLOXINIA.** One of the best hot house plants, with large bell-shaped flowers, which come in rich bright colors. Sow in the fall or early spring. Selected seed. Pkt., 25c.

**FEVERFEW.** Called double Feverfew. A plant growing 18 inches high, and bearing great numbers of pure white double flowers. Pkt., 5c.

**FOUR O'CLOCK (Marvel of Peru).** A hardy annual, about two feet high, of very easy culture. Flowers are purple and white. One of the old-fashioned favorites. Mixed colors. Pkt., 5c.

Variegated and striped leaves, mixed. Pkt., 10c.

**FUCHSIA.** See plants, which we have in season.

**FRAGARIA.** One of the best plants for hanging baskets and trailers. A perennial that can be grown very successfully in rock work. Plant in boxes and transplant. Pkt. of very choice seeds, 25c.

**CYPSOPHILA (Baby Breath).** A fine feathery plant; very useful in making up Sweet Pea bouquets. A lover of Sweet Peas should plant Baby Breath.

**MURALIS.** Pink flowers. Pkt., 5c.

**PANICULATA.** White flowers; perennial. Pkt., 5c.

**ELEBANS.** White, best annual variety. Pkt., 5c.

**PINK.** Best pink variety. Pkt., 5c.

**GOLDEN ROD.** A hardy perennial, flowering late in the summer. Pkt., 5c.



## SOME OF THE OLD FAVORITES

**GOURDS.** Our mixed seeds bear all shapes of this old-fashioned plant. Pkt., 5c; oz., 25c.

**GOMPHERNA (Globe Amaranth).** Bushy plants about 2 feet high. The clover-shaped blossoms may be dried for winter bouquets. Mixed. Pkt., 5c.

**HELIANTHUS (Sunflower).** Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

**HESPERIS MATRONALIS (Sweet Rocket).** Stout, bushy plants 3 to 4 feet high with showy terminal spikes of flowers during June and July.

**MATRONALIS.** Blue, Pkt., 5c.

**ALBA.** White. Pkt., 5c.

**HIBISCUS (Mallow Tribe).** Showy annual and perennial. Sow Africanus, the annual species, in early spring under glass, and plant out when all fear of frost has gone.

**AFRICANUS.** Annual. Creamy-yellow, purple markings. Pkt., 5c.

**GAILLARDIA.** A very pretty flower with brilliant scarlet and yellow blossoms. Blooms freely all the summer until late into the fall. A hardy annual. Single mixed, pkt., 10c; double mixed, pkt., 10c.

**GRANDIFLORA MAXIMA.** A perennial variety, golden. Pkt., 10c.

**LORENZIA, or DOUBLE FLOWERING.** Combination of yellows and reds. Pkt., 10c.

**HELICHRYSUM (Everlasting Flower).** Is the best and most satisfactory of the everlasting flowers, and makes a beautiful bouquet of dried flowers. Mixed, pkt., 5c.

**DOCTOE LIVINGSTON.** A new variety. Pkt., 10c.

**HELIOTROPE.** A half-hardy perennial, growing 2 to 4 feet high. A very fragrant small flower that can be raised from seed the first year. Does very well against a wall in a shady spot. Finest mixed, pkt., 10c.

**HELEIUM.** A vigorous, hardy perennial that will grow in any soil. Blooms profusely in the late summer.

**HOLLYHOCK.** A hardy perennial of easy culture and a very satisfactory flower. Makes an excellent background and does well most any place you plant it. Can supply clumps of most any color. Double varieties, mixed. Pkt., 10c.

**RED, YELLOW,** white, lavender, pink and salmon. Pkt., 10c.

**SINGLE VARIETIES.** Mixed colors. Pkt., 10c.

**SINGLE WHITE.** Pkt., 10c.

**HUMULUS (Japanese Hop).** One of the very best climbing annuals we have. Fine for covering porches, fences, etc. Will grow 20 to 30 feet in a season. Pkt., 5c.

**ICE PLANT.** A low growing tender annual. Fine for vases and rock work. Thrives in bright, dry spots. Pkt., 5c.



CALIFORNIA POPPY

**HUNNEMANNIA FUMARIAEFOLIA (Yellow Tulip Poppy).** The foliage is like that of Eschscholtzia, the flowers like the tulip "Bouton d'or" in size, color and form, the height 2 feet; the flowering season September and October; the sowing season May 15 in the garden or border. Have you ever grown it? If not, you surely will find it a most delightful garden occupant when other flowers have said farewell; and what splendid cutting material it makes. The large flowers, carried on stout stems, last several days in water. Pkt., 10c.

**IPOMOEA.** A most satisfactory annual climber. Best imported strains.

**COCCINEA or STAE IPOMOEA.** Small scarlet blossoms. Vines about 10 feet. Pkt., 10c.

**BONO NOX, EVENING GLOEY or GOOD NIGHT.** The violet blossoms are fragrant and open at night. Pkt., 10c.



GODETIA

**MEXICANA ALBA (Mexican Morning Glory).** Flowers white. Pkt., 10c.

**GRANDIFLORA ALBA (Moon Flower).** Will grow 50 feet in a season. Is literally covered with large white, fragrant flowers, which expand at night and in the early morning. Pkt., 10c.

**LUTEA.** Vine grows to medium size and bears small yellow flowers. Pkt., 10c.

**SETOSA, or SCARLET STAE.** The broad, overlapping leaves of this vine produce a deep shade. The flowers are in clusters and are a redish purple with pink star in center. Pkt., 10c.

**INCAEVILLEA (Delavayi).** Beautiful new garden plant with long, flexible branches. It forms large fleshy roots the first year, which should remain in the ground the next season, and thereafter they throw up strong flower stalks 3 feet high, bearing large tubular flowers of rosy-carmine, spotted yellow; throat, brown. Pkt., 15c.

**KOCHIA (Summer Cypress).** A splendid ornamental plant forming dense oval brushes, 1 to 2 feet high. Light green foliage, and as summer advances this changes to carmine and then fiery red. Pkt., 10c.

**KAULFUSSIA (Amelloides).** The whole effect of this plant is a medium sized intense blue daisy; fine for bedding; is clear, even, light blue in color; 10 inches high, 1 1/4 inches across; annual. Pkt., 10c.

**KUDZU VINE.** Called Jack in the Bean Stalk. A hardy perennial that will climb as much as 40 feet in a season. First year grows 10 feet. Fine for a permanent vine. Pkt., 10c.

## POPULAR PERENNIALS

**LARKSPUR.** There are two distinct varieties of this, the annual and perennial. The annual grows from 1½ to 2 feet high. A great variety of colors and does well in any soil. Very easy culture, dwarf rocket, double mixed. Pkt., 5c.

**EMPEROR.** A branching variety that does excellent, double. Pkt., 10c. Rose and white, separate colors. Pkt., 10c.

**GIANT HYACINTH-FLOWERED LARKSPUR.** This is the finest of the improved Larkspurs. The splendid flowers are very large and very double, and the colors beautiful. Height 15 to 18 inches.

**WHITE.** Pkt., 10c.

**ROSE.** Pkt., 10c.

**INDIGO BLUE.** Pkt., 10c.

**DWARF HYACINTH-FLOWERED LARKSPUR.** The strain as the **GIANT**, but of dwarf habit.

**LIGHT BLUE.** Pkt., 10c.

**ROSE.** Pkt., 10c.

**BRICK RED.** Pkt., 10c.

**WHITE.** Pkt., 10c.

**CARDINALE.** A scarlet that cannot be beat. Pkt., 10c.

**CHINESE AZURIUM.** Single blue. Pkt., 10c.

**ELATUM BLUE.** Various shades, dark centers. Pkt., 10c.

**FOEMOSUM.** Beautiful spikes of rich blue flowers with a white center. Pkt., 10c.

**CAELESTINUM.** Exquisite celestial blue and white centers. Pkt., 10c.

**HYBRIDUM BELLA DONNA FANNY STARMONTE.** The finest of all the perennial Larkspurs. Grows 5 to 7 feet high, the last 2 to 3 feet forming a huge, branching raceme of well placed flowers of exquisite azure blue. Pkt., 10c.

**MATICARIA (Capensis Alba Plena).** Double White Feverfew. Free-flowering plants, producing all season fine double white flowers. A fine bedding or pot plant; 18 inches. Pkt., 10c.

**MIMULUS.** Showy, profuse-flowering plants; fine for greenhouse or moist, shady situations; half-hardy perennials, blooming the first year from seed if sown early; 1 foot.

**LANTANA.** A tender perennial. Can be used as a hedge and bears a very pretty flower in clusters. Blooms all summer. Finest mixed. Pkt. 10c.

**LEPTOSIPASION.** A dwarf plant excellent for borders and rock work, bearing small clusters of bright, attractive flowers. Pkt., 5c.

**LEMON VERBENA (Aloysia Citriodora).** A great favorite is this old perennial for the delightful fragrance of its leaves. Grows easily from seed. The foliage combines well with any flower. Pkt., 10c.

**LINARIA.** A charming perennial of low habit and easy culture; the flowers are mostly violet and light purple, each with a white lip with yellow blotch on it. Sow in spring. Pkt., 10c.

**LINUM (Scarlet Flax).** A hardy annual about 1½ feet high. An attractive plant with bright red flowers on tall, slender stems, which are borne in profusion. Sow early in spring where plants are to grow.

**LYCENIS (Chalcedonica).** The scarlet Lynchis, an old garden favorite, bearing heads of bright scarlet flowers; very hardy; 3 to 4 feet. Pkt., 5c.

**HAAGEANA HYBRIDS.** Mixed colors. Usually grown as annuals; of dwarf, bushy habit, bearing flowers an inch or more across in continuous succession until frost, colors are particularly pleasing, white to rich scarlet and shades of pink; 1 foot. Pkt., 10c.

**LUPINUS, or LUPINS.** A hardy annual, native to California. Grows 2 to 3 feet high, and bears spikes of pea-shaped flowers. Of the easiest culture.

**CRUIKSHANKII.** Double blue. Pkt., 5c.

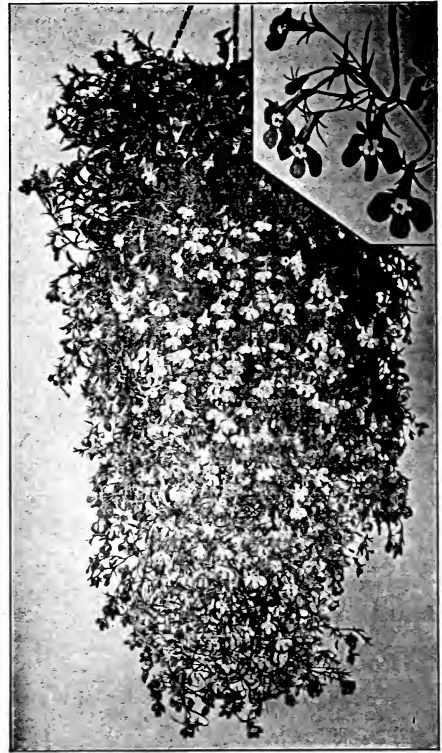
**PINK.** Long spikes of bright pink flowers. Pkt., 5c.

**POLYPHYLLUS.** Tall, handsome white flowers. Pkt., 5c.

**MARVEL OF PERU, or FOUR O'CLOCK (Mirabilis Jalapa).** A well known, handsome, free-flowering garden favorite; does well everywhere; give each plant 12 to 18 inches of room. Fine mixed colors; 2 feet. Oz., 20c.

**MIXED VARIETIES.** Pkt., 5c.

**TRAILING LOBELIA.** A hardy annual and perennial. The annual grows 4 to 6 inches high, very compact and fairly covered with tiny blue flowers. They are especially used for borders and in hanging baskets.



TRAILING LOBELIA

**CRYSTAL PALACE COMPACTA.** This variety is mostly used for borders. Pkt., 10c.

**GRACILIS.** Light blue. A trailing variety especially used for hanging baskets. Pkt., 10c.

**SPECIOSA.** Deep blue trailing variety. Pkt., 10c.

**CARDINALIS.** Has spikes of cardinal flowers. Pkt., 10c.

**TIGRINUS (Monkey Flower).** Fine mixed spotted varieties. Pkt., 10c.

**QUEEN'S PRIZE.** A remarkably fine selection of *M. Tigrinus*. The flowers are large and most brightly colored and spotted; the colors are yellow, orange, coppery red and pink. Perennial, 12 inches high and does well, preferring cool location. Pkt., 15c.

**MUSA ENSETE (Abyssinian Banana).** Splendid tropical plant; may be set outdoors in summer. 10 seeds, 20c.

**MUSK PLANT.** A half-hardy perennial. Very useful for window gardens; thrives best in damp shady spots, and blooms the first year from seed. Very fragrant. Pkt., 5c.

**MESEMBRYANTHEMUM (Ice Plant; Crystalinum).** A low-growing and trailing tender perennial. The thick leaves seem to be covered with crystals. Used for edging embankments and box work; thrives in bright, sunlight and in dry situations. Flowers, cerise purple and small, completely covering plant. Pkt., 10c.

## HARDY ANNUALS

**MARIGOLD.** A hardy annual. One of the best and easiest growing flowers we have. It is old-fashioned and loved by all.

**ELDORADO,** called the African Marigold. The best tall variety, bears large double flowers. Pkt. 5c.

**MIXED AFRICAN.** Pkt., 5c.

**TALL YELLOW AND ORANGE.** Pkt., 10c.

**DWARF FRENCH.** Small flowers, double. Pkt., 5c.  
**TALL FRENCH.** A mixture of tall double varieties. Pkt., 5c.

**POT MARIGOLD.** See Calendula.

**MATTHIOLA.** Evening scented stock. They are exceedingly fragrant in the evening, scenting the surrounding atmosphere. Purple flowers. Sturdy annual. Pkt., 5c.

**NASTURTIUMS.** A tender annual in two classes, Dwarf and Tall, or climbing. A great favorite that does exceedingly well in any location. Prefer a dry, poor soil, as the plants have more flowers than when planted in rich soil.



**DWARF  
NASTURTIUM  
BLOSSOMS PRO-  
FUSELY UNDER  
ALMOST ANY  
CONDITIONS**

**ONOTHERA (Evening Primrose).** These are among our most beautiful plants for mixed garden beds and borders. They grow in branching form 1 to 2 feet in height and produce freely and continuously large single poppy-like flowers of white, yellow, rose color, etc. The blossoms open early every evening and last well into the following day. They are of the easiest culture in a sunny situation. Mixed annual varieties. Pkt., 10c.

**LAMARCHIANA.** Yellow. Pkt., 10.

**OXALIC.** A half hardy perennial. Flowers bright colored and very attractive. Suitable for rock work and edgings. Pkt., 10c.

**MOENING GLORY.** One of the oldest and most favorite flowers. The seeds we are offering are of improved type and give good results.

**TALL, or CLIMBING VARIETIES.** Mixed, pink, white and blue. Pkt., 5c.

**IMPERIAL JAPANESE.** Flowers are larger than most of them, but not as good a climber. Pkt., 5c.

**DWARF, or BUSH VARIETY.** Useful for beds, edging, or in hanging baskets. Pkt., 5c.

**MIGNONETTE.** A half-hardy annual that is known by every one, and is planted for its fragrant flowers, which come thickly. Set on compact spikes.

**GOLDEN MACHET.** A compact growing variety with medium long thick spikes of yellow flowers. Pkt., 5c; oz., 50c.

**PARSON'S WHITE.** A tall variety with silvery flowers. Pkt., 5c; oz., 50c.

**RUBY MACHET.** A compact variety bearing coppery flowers. Pkt., 10c.

**GRANDIFLORA.** An exceedingly large flowering type. Pkt., 10c.

**BISMARCK.** A fine improvement over the older types; very strong grower, with large, reddish-tinted flowers. Pkt., 10c.

**GOLIATH.** Finest of all giant trusses of brilliant red. This is fine to mix in with the less expensive sorts. Pkt., 25c.

**MINA.** A beautiful and rapid-growing climber, producing innumerable brilliant blood red flowers.  $\frac{1}{4}$  oz., 15c.

**TALL CLIMBING NASTURTIUMS.** Of quick growth, covering a wall, hedge, fence, or trellis in a short time. Blossoms numerous, practically covering the entire plant from top to bottom. Pkt., 5c; oz., 10c.

**LOBB'S TALL MIXED.** This variety is the dark colors with little mottled and striped colors. Very choice. Pkt., 5c.

**TALL BLACK PRINCE.** Salmon Queen, Dunnett's Orange, and Jupiter, in separate colors. Pkt., 10c.

**DWARF.** This variety forms a round bush-like plant, which is a mass of blooms all summer. Pkt., 5c; oz., 10c.

**LOBB'S CLOTH OF GOLD.** A dark blotched variety. Pkt., 10c.

**NEMESIA.** Splendid annuals about 1 foot high for garden decoration; clusters of bright colored flowers in shades of blue, white and violet, margined, dotted, etc., borne freely all summer long if grown in a rather cool partially shaded situation. Mixed colors. Pkt., 5c; oz., 20c.

**NEMOPHILA (Love Grass).** A hardy annual growing about six inches high. Has small cup-shaped blossoms in white and blue shades. Pkt., 5c.

**NIGELLA (Love-in-a-Mist).** A hardy annual, small flowers. Curiously shaped blossoms and seeds pods. Very easily grown. Pkt., 5c.

**NICOTINA, or FLOWERING TOBACCO.** A hardy annual, growing about three feet high. Belongs to the tobacco family. White and very fragrant. Flowers open in evening and cloudy days. Pkt., 5c.

Flowers light blue. Pkt., 5c.

## ORNAMENTAL GRASSES

**ORNAMENTAL GRASSES.** We list below the varieties that do the best in this locality. They are quite attractive and are of easy culture.

**JAPANESE LAWN GRASS.** Pkt., 5c.

**PAMPAS GRASS.** Pkt., 10c.

**FEATHER GRASS.** Pkt., 10c.

**PASSION FLOWER.** A half hardy perennial climber. A very satisfactory climber for immense growth. Will cover a porch in one season. Large flowering. Mixture, pkt., 10c.



## OUR PANSY SEEDS ARE IMPORTED

We import our pansy seeds direct from the leading growers in Europe, and in that way we are assured that we have seeds that have passed the experimental stage and are bound to give you fine flowers.

For outdoor bedding seeds should be sown in boxes very early and covered with glass, then transplanted.

**PANSIES** are favorites with all, but for best results you must start with the good strains.

**PANSY SEED** germinates and the plants grow more freely in the cool, early days of spring, and for summer blooming should be sown by the later part of April, or early May. A soil containing a portion of leaf mould, well enriched with well-decayed cow manure, will be the most satisfactory for the growing of this flower, and it should be well dug and made fine and level.

**ORCHID FLOWERING.** A mixture of delicate shades and pleasing light tones. Flowers light shades and entirely new. Pkt., 20c.

**TRIMARDEAU.** The largest flowering type of pansies: called the French strain. The petals are different sizes and very beautifully marked. Pkt., 15c.

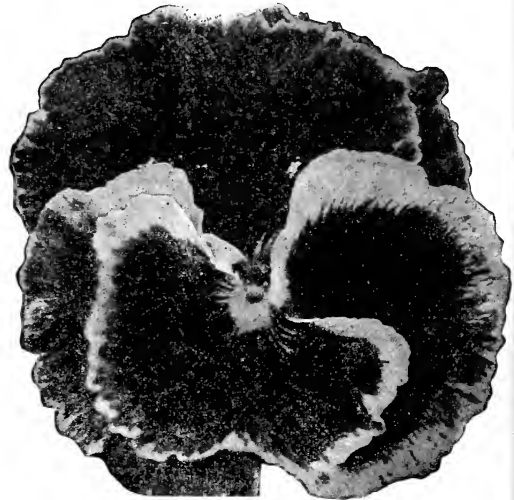
**BUGNOT SUPERE.** A round ruffled five-petal type, with soft blended colors and tints, veined on the margin, and a dark blotch at the base of each petal. One of the finest varieties. Pkt., 25c.

**LARGE FLOWERING MIXED.** A mixture of practically all the varieties, shades and tints, with the exception of the rarest ones. Pkt., 10c.

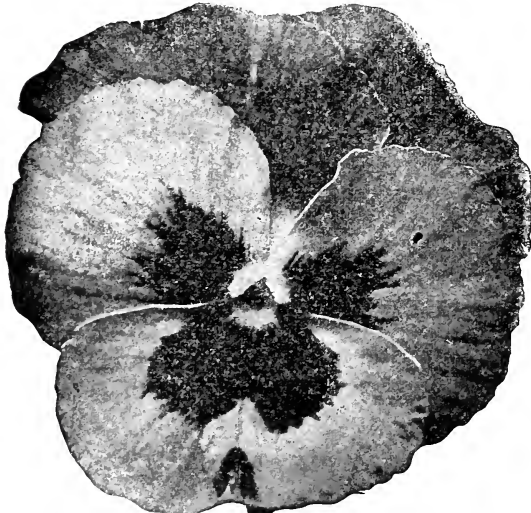
**FINE MIXED COMMON VARIETIES.** Pkt., 15c.

**NAMED VARIETIES.** In separate colors. These are an extra good quality of the straight colors for those who like a bed of one shade. Any color. Pkt., 10c.

for the border, with brilliant single or double flowers that are produced in profusion from June to August; succeeds in any soil; 18 inches.



ORCHID FLOWERING PANSY



## DIPPE'S SELECTED GERMAN STOCK

We have secured a selected strain of this choice flower, which bears fully 80% of double flowers. They bloom very early. A beautiful soft pink, long stems. Fine for cut flowers. Pkt., 15c.

## PETUNIAS

**PETUNIAS.** They grow with very little care in any soil and bloom all spring and summer. The seed should be sowed carefully and just pressed into the ground, and covered with moss or sand.

**SINGLE.** Deep throated, brilliantly blotched. Pkt., 25c.

**DOUBLE.** White blotched, brilliantly colored. Pkt., 25c.

**FINE MIXED.** Good mixture of small varieties. Pkt., 10c

**HOWARD'S STAR.** A most attractive Crimson Maroon Petunia with clearly defined five-pointed star of bluish white. Exceptionally fine. Free flowering. Pkt., 10c.

**NORMA.** Of dense, bushy habit about 8 inches high. Flowers not so large, but so profuse as to entirely cover the plant. A velvety blue with white center. Unexcelled for bedding. Pkt., 10c.

**COUNTESS OF ELESMEER.** Rose with white throat. Splendid bedding variety, flowers very freely. Pkt., 10c.

**FIMBRIATE.** The finest single strain, bearing immense flowers, sometimes 5 inches in diameter. Edges beautifully ruffled or fringed. The colorings are truly wonderful.

**LIGHT YELLOW.** Pkt., 10c.

**BRILLIANT ROSE.** Pkt., 10c.

**MIRANDA.** Rosy red with scarlet throat. Pkt., 10c.

**CHOICEST MIXED.** Pkt., 10c.

**MASTERPIECE PANSY.** What is prettier and gives more pleasure than a bed of pansies? Packet contains enough seed to be assured of 100 plants. Sold only in 25c packets. Try one.

Our stock of Pansy seed, especially of this variety, is the finest to be had in all of Europe. The flowers have been known to measure up to 4 inches across and invariably run between 2 and 3 inches. Healthy, robust plants producing flowers on extra long stems, which have elegantly waved or curled petals, giving the flower a distinctly refined appearance. The seed comes in mixed colors, with a greater portion of the blotched varieties. There is no finer quality of pansies in existence than we are offering and we defy competition. Pansies delight in semi-shaded, cool locations, and they must be kept supplied with moisture during the hot months of the year.

**POTENTILLA (Cinquifol).** Charming plants

## POPPIES

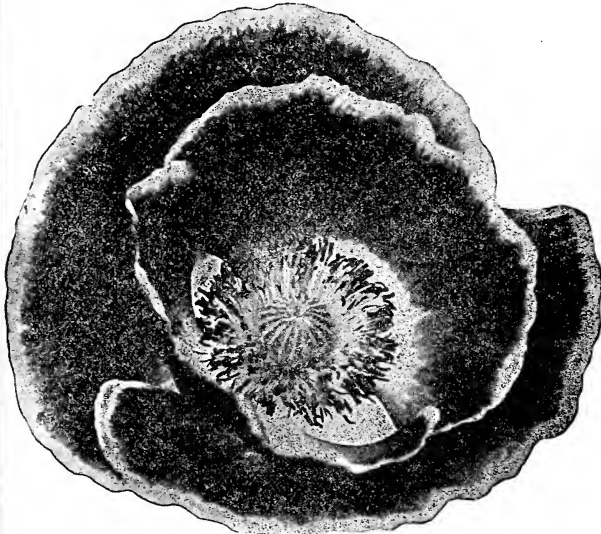
Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly, preferably in cloudy weather or after a shower, barely cover the seed, press down firmly, and they will come up in a few days. If they come up too

thickly they must be thinned out to stand 3 to 4 inches or more apart if you wish best results. It is well to make several sowings at intervals to keep up a succession of bloom. If picked just before expanding the flowers will last several days. It is also advisable to pick the old flowers as soon as fallen, which will lengthen the blooming season quite awhile.

### SINGLE ANNUAL POPPIES

**ADMIRAL.** A single peony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top. These two colors form a striking contrast, and when planted in groups produce a magnificent effect.

**BLACK PRINCE.** A beautiful single Poppy of brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens. Pkt., 10c.



### ORIENTAL POPPY

**QUEEN ALEXANDRIA.** An Oriental variety, large, brilliant crimson flowers, with a black blotch on each petal. Very showy and attractive. Pkt., 25c.

**ROYAL SCARLET.** One of the rarest and most exquisite flowers we have. The flowers are immense in size. Pkt., 25c.

**PRINCESS VICTORIA LOUISE.** One of the choicest perennial Poppies. It grows to a height of 3 feet and is an exquisite delicate salmon color. Splendid for cutting. Pkt., 10c.

**ORIENTAL.** A choice mixed collection of the

best Oriental Hybrids. It includes all the best named varieties. Pkt., 10c.

**DANEBOG, or DANISH COAST.** Very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot in each petal, forming a white cross. Pkt., 5c.

**TULIP FLOWEDED.** One of the most brilliant; the flowers are 3 inches across and closely resemble the brilliant Scarlet Gesneriana Tulip. Pkt., 5c.

**SHIRLEY.** This is an extra fine strain of these charming Poppies. They are single and occasionally semi-double, and range in color from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood-red, while many are daintily edged and striped. In fact, so varied are they that scarcely any two flowers are exactly alike. Pkt., 5c.

### DOUBLE ANNUAL POPPIES

**MIKADO (the Striped Japanese Poppy).** This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt., 15c.

**RANUNCULUS.** Something decidedly new in the double flowering Poppy and one that will become a great favorite as soon as it becomes generally known. If you want the best try a package of this. Pkt., 15c.

**DOUBLE CARNATION.** A very beautiful type in rich, effective shades. Mixed colors. Pkt., 5c.

### HARDY PERENNIAL POPPIES

Oriental Poppies should be sown in early spring in the open ground as soon as it is fit to work. The plants disappear during July or August, appearing again as soon as the weather gets cool. When this fall growth starts is the time they should be transplanted to their permanent flowering quarters. It is well to mark the places they are planted with a stake to insure the roots against disturbance during their annual resting period.

Among hardy perennials these hold an unrivaled position for gorgeous effectiveness in gardens and hardy borders; height, 2 to 3 feet; flowers immense, often 6 inches or more across. They are also grand, cut in bud state, for vases.

## ICELAND POPPIES

(Papaver Nudicaule.)

Although hardy perennials, these dwarf Poppies bloom the first season from spring-sown seed. The fragrant, elegant, crushed satin-like flowers are produced in never-ceasing succession from the beginning of June to October; fine for cutting.

**OBCONICA GRANDIFLORA.** These "Ever-flowering Primroses" are favorite pot plants for house and conservatory. The Chinese Primroses will have to look to their laurels, for this new giant Obconica race is looming up in size of flowers, many of them measuring 1½ inches across, equalling in dimensions those of their Chinese rivals, with the added merit of being easier grown and having a longer duration of bloom. Several colors in mixture, white, crimson, rose, violet, lilac, pink-eyed sorts, etc. Pkt., 25c.

**PRIMULA (Primrose).** The charming and beautiful Chinese Fringed Primroses and Obconica varieties are indispensable for winter or spring decorations in the home or conservatory. They are one of the most important winter blooming pot plants. The seed we offer is of the highest merit, and has, as usual, been saved from the best strains of English and continental growth. Florists and others report that they have never seen finer flowers than those produced from our seed. Sow in March, April or May. The hardy varieties are also deserving of wide circulation.

**SINESIC (Chinese Fringed).** Chinese Primroses are among our finest winter and spring blooming pot plants; of healthy, sturdy growth, 8 to 12 inches high, and free from insects; while they produce for weeks large trusses of flowers, which, in our new Giant varieties, average from 4½ to 6 inches in circumference. Giant, double, mixed colors. Pkt., 50c.

## MORE OF THE ORNAMENTAL VARIETIES

**SPECIAL MIXTURE** of white, bright blue, rose and scarlet. Pkt., 25c.

**AUBICULA.** These are among the best of the early spring-blooming plants. With a slight protection they will stand the winter, but will do better if protected by a cold frame. A well-known favorite of great beauty; seed saved from splendid choice mixed varieties; 6 inches. Pkt., 15c.

**PUERARIA THUNBERGIANA (Japanese Kudzu).** To this must be awarded first place as the fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple; pea-shaped blossoms towards the close of August. A splendid subject for covering pergolas and unsightly verandas, dead trees, etc. Pkt., 10c.

**PYRETHUM.** A hardy perennial with bright foliage. Used for edging and borders. Seed can be sown in spring and transplanted. Mixed. Pkt., 5c. *Grandiflora* type. A larger type of flowers, some of which measure four inches across, and vary from light pink to deep carmine with deep centers. Mixed. Pkt., 10c.

**PHLOX (Drummondii).** A hardy annual growing from six inches to one foot high, and bearing rich and beautiful colored flowers. It is of very easy culture and a great favorite. Pure white, brilliant rose, brilliant scarlet, and mixed. Pkt., 10c.

**STAR PHLOX (Cuspidata).** Flowers have a distinctive star-like appearance, with colored eye. Pure white, pink, and mixed. Pkt., 10c.

**PHLOX (Decussata).** Hardy perennial, mixed. Pkt., 10c.

**BAUNUNCULUS.** Very handsome double flowers, ten inches high. Flowers about two inches across. Flowers the first year from seed. Rose, scarlet, blue and mixed. Pkt., 10c.

**RICINUS (Castor Oil Bean).** Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing sub-tropical effect; fine for lawns, massing or centre plants for beds. Pkt., 5c.

**ROMNEYA (California Tree or Matilija Poppy).** This beautiful Poppy, while hardy should be planted in a well-drained, sunny, sheltered position. It grows 3 to 5 feet high, and frequently has from 12 to 15 expanded flowers on a single shoot at one time. The flowers are white, 6 inches and over across, delicate and transparent, yet enduring in a good state for several days; delightfully fragrant. Pkt., 10c.

**RHODANTHE (Swan River Everlasting).** A charming annual; succeeds in a light rich soil and a warm, sheltered situation; valuable for pot culture; flowers everlasting; mixed colors; 1 foot. Pkt., 10c.

**RUDECKIA (Cone Flower).** A free flowering annual that is a very effective cut flower. Easily grown. Mixed colors. Pkt., 5c.

**SALPIGLOSIS.** A half hardy annual, growing about three feet high and bearing trumpet-shaped flowers of rich shades and colors, all beautifully veined, finest mixed. Pkt., 5c.

**SALVIA or FLOWING SAGE.** A tender perennial, blooming the first year from seed. The blossoms are borne on long stems and are very fragrant. Blooms last all summer. *Patens*, bright blue flower, two feet tall. Pkt., 25c. *Splendens*, bright scarlet flower. Pkt., 10c.

**HYBRIDUM BELLA DONNA FANNY STAR-MONTH.** This grandly effective perennial must be seen to be appreciated. It has no superior in its graceful dignity and pure beauty of coloring. It grows 5 to 7 feet high, the last two or three feet forming a huge, branching raceme of well-placed flowers of exquisite azure blue. Pkt., 10c.

**SCABIOSA (Morning Bride).** An annual that is worthy of a place in every garden. The tall flowers are especially adapted for cutting and massing in the garden. These new flowers are double clear to the center. Of very easy culture. Rose, white, scarlet and purple. Pkt., 10c. Mixed, pkt., 5c.

**SNAPDRAGON (Antirrhinum).** A half hardy perennial, growing from one and one-half to two feet. Flowers are oddly shaped. They are borne on long spikes; fine for cutting and keeping fresh a long time. Very easily raised. Tall flowering type in scarlet, white, pink, yellow and mixed. Pkt., 10c. *Tom Thumb*, or dwarf, mixture, pkt., 10c.

**SCHIZANTHUS.** Hardy annuals, growing one and one-half to two feet high, bearing bright, showy butterfly-like blossoms. Large flowering. Mixed, pkt., 10c.

**SEDUM.** A little annual bedding plant, good for carpet work. Blue flowers. Pkt., 10c.

**SMILAX.** A climbing perennial, with beautiful bright-green glossy leaves. Largely used for decorating. Start seeds under glass and transplant. Pkt., 5c.

**SENECIO (Tall Double Jacobea).** A showy, free-flowering hardy annual. It produces, in great profusion, branching spikes of Cineraria-like double flowers, one and one-half inches in diameter, from spring until fall. Excellent for bouquets. *Elegans*, double mixed, pkt., 10c.

**SILENE (Pendula Compacta, Double).** An effective garden annual forming compact, round bushes, 6 inches high, which, during the summer, are covered densely with flowers of white, pink or red. For low beds or edgings it is very pretty. Mixed colors. Pkt., 5c.

**SOLANUM (Capsicastrum, Jerusalem Cherry).** This is a very useful pot plant for winter decoration. It is of dwarf branching habit, leaves small and oval-shaped, bearing in the greatest profusion bright scarlet globular berries. Very ornamental; 1 foot. Pkt., 5c.

**SAPONARIA (Bouncing Bet).** A perennial, especially good for rock work. Pkt., 5c.

**STATICE SINUATA (Sea Lavender).** A blue everlasting flower used by florists for winter bouquets. An annual that blooms late. Pkt., 5c.

**STEVIA.** A tender perennial, 1½ feet high, and bearing clusters of small, white, fragrant blossoms. Suitable for summer or winter blooming, and for pot culture or open air. *Serrata*. Pkt., 10c.

**SWEET WILLIAM.** One of the finest old fashioned perennials. Makes a beautiful bedding plant, and is of very easy culture. Single and double varieties; mixed colors. Pkt., 5c.

**SWEET SULTAN.** A Centaurea of well known merits that makes a fine bedding plant, and an excellent one for cutting. Blossoms in white, yellow, red, lavender, purple and mixed. Pkt., 5c.

**STOKESIA (the hardy Corn Flower, Cyanea).** This is not new, but is a rare and beautiful hardy perennial. The plant grows about 24 inches high, each bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms; in bloom from July till frost. One of the choicest subjects for the hardy border and indispensable for cutting. Pkt., 10c.

**ENDERSON NEW RED SUNFLOWER.** A splendid garden annual, quick and robust in growth, very showy in the garden border or in groups or as hedges—and the long-stemmed flowers when cut and vased are most effective and last long in water. These gorgeous floral creations were bred by crossing various types of annual garden sunflowers with the only red sunflower in the world, so far as known, a small flowering hardy variety discovered by a botanist growing wild in Colorado. Among the artificial hybrids thus produced, remarkable new types of wonderful beauty and variety have developed. The plants commence flowering in about 8 weeks from seed sowing, and should stand not nearer than 3 feet apart for best development. Pkt., 15c.



## DOUBLE TEN-WEEKS STOCK GILLIFLOWER

Fragrance instantly draws the flower lover to any and all species of plants, and when the plant has other attractive features it is sure to be a favorite among gardeners. This certainly holds good of the gilliflower, which is not only possessed of a delightful perfume, but is a most showy garden plant. The newer improved types certainly have given this plant more grace and value as a cut-flower as they will keep on blooming perpetually during the entire summer. We offer but two strains, as they embody the best features of all. We are offering some exquisite shades. Our seeds can be relied upon to produce a large percentage of double flowering plants. All our strains are of free branching habits, growing 18 inches to 2 feet high, and producing very large double flowers, which encircle the stout flower-stems to a length of 12 or more inches.

**ABLING'S DWARF GIANT FLOWERING TEN WEEKS.** Selected seed, in crimson, lavender, white, yellow, pink, carmine, purple, red and mixed. Pkt., 10c.

**GIANT PERFECTION.** Handsome, tall variety. Mixed colors. Pkt., 10c.

**CUT AND COME AGAIN** (Dresden's Perpetual). A large early flowering stock, which blooms perpetually and also makes a fine cut flower. Pkt. 10c.

**WINTER or BROMPTON'S.** Perennial; late flowering. Pkt., 10c.

**GIANTS OF NICE, TEN-WEEKS STOCK.** A new strain of this favorite of all flower lovers, that is of splendid branching habit, of symmetrical form and bears flowers unusually large and love scented. Valuable either for bedding or pot culture. **Monte Carlo**, canary yellow, pkt., 10c. **Casino**, light blue, pkt., 10c. **Moulin Rouge**, blood red, pkt., 10c.

**VALERIA.** Flowers like Centranthus. Does well in half shade. A hardy perennial. Pkt., 5c.

**VERBENA.** A half hardy trailing perennial of easy culture that blooms the first year from seed. Use care in starting them, as the seeds are slow to germinate, and soaking them in warm water hastens germination. Is a well known bedding and border plant. Pink, white, purple, blue, scarlet and mixed. Pkt., 10c.

**VIOLET.** Single California variety; grow readily from seed, and produce a very fragrant blossom. Large flowering, blue. Pkt., 10c. Double Sweet Scented, very large, blue. Pkt., 10c.

**MADAGASCAR PERIWINKLE (Vinca).** Handsome bushy plants, producing freely round single flowers, 1½ inches across, suitable for either pot culture or sunny flower beds; tender perennial, but flowers the first season; 1½ feet. **Rosea**, bright rose, pkt., 10c. **Rosea Alba Pura**, pure white, pkt., 10c.

**THUNBERGIA or BROWN-EYED SUSAN.** A rapid-growing climber, attaining a height of 6 to 8 feet, densely clothed with neat, green foliage not affected by insects; the small single flowers of various colors are freely produced. A pretty vine for trellis, fences, rock-work, etc. Though tender perennials, they are usually grown as annuals. Mixed colors (Alata). Pkt., 10c.

**TRITOMA (Red Hot Poker).** A very attractive perennial that makes a fine showing in a garden. The spike grows four feet tall, and often contains over a hundred bright orange, scarlet and yellow flowers. Pkt., 15c.

**TAGETES, ALTA (Signata Pumila).** A dwarf, compact bushy annual Marigold, with beautiful, delicate, fern like leaves, densely covered with flowers of bright golden yellow; a first-class border plant. Pkt., 5c; ¼ oz., 30c.

### SUNFLOWERS

Continued from p. 44.

**NEW VARIETIES SUNFLOWER (Helianthus).** The newer types are beautiful. Chrysanthemum flowered, large, densely double, bright golden flowers. Plants dwarf and make fine showing. Pkt., 5c. **Russian**, or **Mammoth**, pkt., 5c. **Henderson's Red.** See Special.

**PENTSTEMON.** Similar to the Fox Glove, but in a greater variety of colors. It is a hardy perennial and blooms the first year from seed. Easily grown, decidedly beautiful, and very satisfactory. Mixed, pkt., 10c.



ABLING'S DWARF GIANT FLOWERING  
TEN WEEKS

**VIOLAS (Tufted Pansies).** These flowers are not as large as the regular pansies but bloom so profusely that they are preferable to pansies when bedding effects are desired, the colors being very clear and distinct. They bloom for a much longer time. Seed sown in April will produce flowering plants in June, which will continue to be a mass of bloom until the frost catches them. **Conata**, mixed, pkt., 10c. **Purple Queen**, pkt., 10c. **Mauve Queen**, pkt., 10c. **Coerulea Admiration**, dark blue, pkt., 10c. **Admirabilis**, new hybrids which contain all the varied and brilliant colorings of the best grade of blotched pansies, pkt., 10c. **Oderata**, **The Czar**, fragrant and everblooming, blue, pkt., 10c.

**PINKS, or DIANTHUS.** A hardy annual about one foot high, and bearing brilliantly colored single and double blossoms in profusion all summer. Sow early and transplant.

**SCARLET RUNNER.** A flowering bean that can be used for food; will grow 30 feet in a season. Pkt., 5c.

**OUR SUCCESS LIES IN SELLING THE  
SAME PEOPLE YEAR AFTER YEAR**

**VINCA (Madagascar Periwinkle, or Old Maid).** Ornamental free-blooming plants and one of the most satisfactory flowering bedding plants we have. It is best to start the seed early indoors or in a hot-bed, but they begin blooming in August from seed sown out of doors in May, or as soon as the ground is warm, continuing until frost; or they may be potted and kept in bloom through the winter; a fine cut flower, every bud opening when placed in water. Pkt., 10c.

**VISCARIA (Rose of Heaven).** Very free-blooming annuals, closely allied to the *Lychnis*; they form compact plants about a foot high, and are covered from early summer till fall with their bright flowers, shaped somewhat like a single Pink, borne on long, slender stems; it is best to sow them where they are to bloom, thinning out to prevent overcrowding. Pkt., 10c.

**WALLFLOWER.** Well-known deliciously fragrant half-hardy perennials, blooming early in the spring, with spikes of beautiful flowers. They should be protected in a cold frame in the winter and planted out in April. We have some extra select seeds of newer type and varieties that are wonderful. Pkt., 10c.

**VIOLET BLUE WALLFLOWER.** A rare novelty that has attracted considerable attention wherever shown. Is a tall branching variety and a beautiful specimen. Pkt., 15c.

**Vulcan.** A dwarf, neat-habited maroon variety. Makes a splendid bedding plant. Height 9 inches to 1 foot. Pkt., 10c.

**Vesuvius.** A very handsome, effective flower, color, scarlet. Pkt., 10c.

**Goliath.** A splendid single variety, flowers of a rich, shining red with a black, velvety sheen. Pkt., 10c.

**Golden King.** Flowers a rich, bright yellow. Pkt., 10c.

**Dresden Forcing.** Color dark brown. Pkt., 10c.

**Fuysle.** Color blue. Pkt., 10c.

**Double Dwarf.** Finest variety. Mixed. Pkt., 10c.

**Single Mixed.** A selection of all the best singles. Pkt., 10c.

**Tall Double.** Golden yellow and brown. Pkt., 10c.

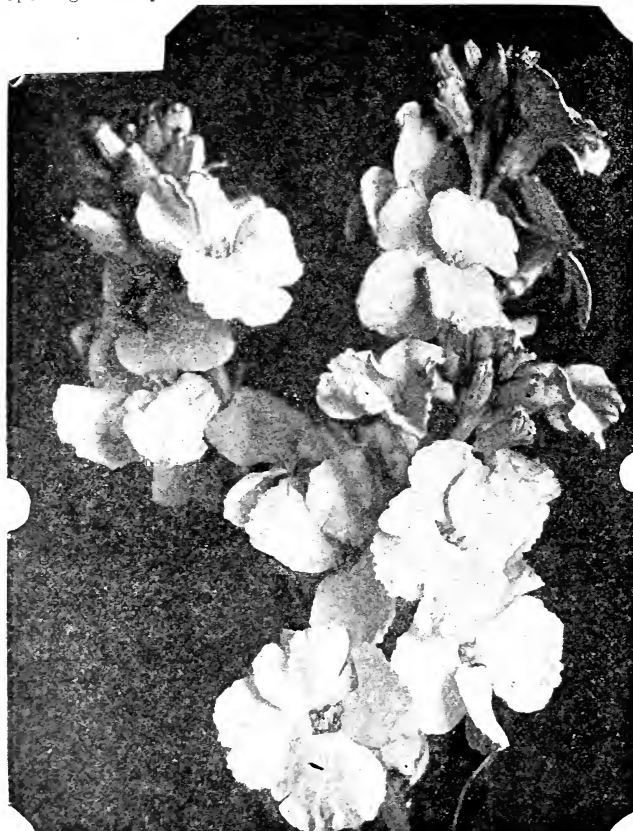
**Tall Double Mixed.** Pkt., 5c.

**Winter Flowering.** The newest variety; mixed. Pkt., 25c.

**ZINNIAS**—The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite. The seed can be sown early in the hotbed or light window and transplanted, or sown later in the open ground. They come into flower early in the summer and keep on blooming until hard frost. Pkt., 10c.

**ZINNIA ELEGANS.** Flowers of gigantic size, 4 to 6 inches across and densely double; plants of strong, luxuriant growth, 2½ to 3 feet in height. Comes in all shades and colors. Mixed. Pkt., 10c.

**ALPINUS.** One of the finest single Poppies we have, colors very brilliant, in several shades. Pkt., 15c.



**WALLFLOWER DOUBLE CLOTH OF GOLD.** This is the finest variety of the Wall Flower. Not the common one, as it differs in shape. This one blooms in a sort of a spike. If you are a lover of the Wall Flower try a package of this at 15c.

## WILD GARDEN FLOWER SEEDS

The seeds we offer for the "Wild Flower Garden" are a mixture of over one hundred and fifty different varieties, and being mixed can be offered at a much less price than when sold in separate packets. No one, not having such a bed, can form an idea of its beauty, the different seasons of bloom insuring something new almost every day.

Man is born with a natural love for flowers, and all that is necessary is to develop that inborn love during the early years of his life. Why not do so with the children? Encourage them to grow flowers while they are young. Give them a space of their own which they can call their garden. It would be folly to start them with a lot of difficult things to grow. For this reason we have blended several hundreds of easy-growing annuals into one grand mixture, and we suggest that they are given to children to use in their own plot. Such a plot would then be a Mystery Garden, because they would not know what to expect. All the instructions necessary to observe for successful results in such gardens is that the seeds are not sown too thick. With every day from June till November the Mystery Garden would give forth surprises not only fascinating to the young, but also to the old; in fact, it might be an interesting feature to have in any garden.

For this mixture we do not use old, discarded seeds, but we import fresh seeds especially for it, and assure our patrons a most enjoyable treat if these seeds are tried. Large pkt., 10c.

## GIANT WAVED SPENCER ORCHID FLOWERING SWEET PEA

PLANT WASHINGTON GROWN SEEDS. THEY ARE THE BEST

Every motorist who traveled between here and Tacoma on the brick boulevard during the past summer couldn't help seeing and admiring the immense field of Sweet Peas being grown for seed by the Aabling Seed Farms. They were not only for ourselves, but for some of the largest seed houses in America, and we now have under contract 100 acres for the next crop, a large quantity of which will be sent to Europe.

### WHAT OUR FRIENDS AND CUSTOMERS THINK OF US

Anacortes, Wash., Oct. 16, 1916.

Aabling-Boyce Co.,  
Seattle, Wash.

Dear Sirs:

In regards to flower seeds ordered from you last spring, I will say that the sweet peas were marvelous, the flowers being immense, borne on stems eight inches to a foot long. Though there have been several frosts I still can pick bouquets of surprising beauty for this time of year, and can frankly say that we never had flowers that brought more pleasure to ourselves and friends.

I gathered them by the market basketful, keeping my friends' homes and the hospital bright all summer long with those lovely blossoms.

I should be glad to see your bulb catalogue but would like at once for an invalid friend one fine Giant Persian Cyclamen of mauve or rose pink, also twenty-five cents worth of Freesia bulbs.

Yours very truly,

MRS. L. HENRI DU VALL.

1207 9th St., Anacortes, Wash.

Everett, Wash., Oct. 19/16.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Dear Sirs:

In answer to your letter I am glad to say that we grew some perfectly wonderful Sweet Peas from your seeds.

Perhaps you have heard about our Sweet Pea show here in Everett; they are thought to be well worth coming a long way to see.

I went in very heavily for Peas this year, because I wanted to win the sweepstakes away from Mrs. Ross, our treasurer, who grows the best Sweet Peas in Washington, I believe I can truthfully say, but I had the bad luck to have no sunshine to bring mine out. I picked the vines clean Sunday, thinking I would have lots out in four days, but we had three dark days and I had to pick on Thursday for our Friday's show. Mrs. Ross did not pick hers on Sunday, so she had lots of giant flowers. I entered in nineteen classes and only won one blue ribbon on the "best arranged basket" of your "Royal Purple," but got second on nearly everything I entered. However, my daughter, Genevieve, who will be 11 the 23rd inst., won Sweepstakes over Mrs. Ross' daughter, aged 14, so, of course, that helped some. Genevieve entered 18 classes and won ten blue ribbons and seven seconds, so she got the trophy cup for this year and is going to try twice as hard next year so she can keep it. Below is a list of your peas that won blue ribbons for us:

Royal Purple, Margaret Atlee, Barbara, Wedgewood, Clara Curtis, Edith Taylor. The Royal Purple and Edith Taylor are simply magnificent and Clara Curtis is the largest primrose or cream I have found yet, but—I want to find a larger and better salmon than Barbara and ditto about Wedgewood for light blue.

Margaret Atlee is, of course, a splendid flower and is well known.

You will think this a freak letter, but I wanted to give you the benefit of my small experience, and hope your business will keep on growing as it has the past year. I will never be satisfied until I can have a few acres to grow flowers, then I will be one of your big customers.

Yours truly,

MRS. J. ST. PETER.  
Vice Pres. R. and D. Society.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Dear Sirs:

Just received your letter today and also your poppy seeds. Many thanks for them.

In reply to your inquiry as to results obtained with your seeds this summer, I wish to say that my sweet peas were lovely, the nicest I have ever grown and are still blossoming profusely.

I dug up the seeds after they were all sprouted and transplanted them as we moved into another house, and yet they grew over five feet high—some are fully six feet—and blossom so freely.

Today I found such a freaky blossom that I am sending it to you. There was only the one flower on a fine long stem, very double and has a pollen center something like a rose or poppy.

Sincerely yours,

MRS. L. E. LLOYD.  
Oct. 15, 1916.

Aabling-Boyce Seed Co.,  
Seattle, Wash.

Dear Sirs:

Received your letter and would say that I was more than pleased with the seeds I purchased from you last season. The Spencer Sweet Peas grew ten feet high and were a mass of bloom till the frost killed them, and the garden seeds were all good, and will be pleased to get prices on your bulbs, and also your new catalogue. Thanking you for the poppy seed, I am,

Yours respectfully,

MRS. M. J. WRIGHT,  
Rochester, Wash.

## MARGARET ATLEE

SEE ILLUSTRATION ON BACK OF COVER

We are so charmed by the rare grace and beauty of this lovely variety that we wish to call your especial attention to it, that you may not possibly miss it in making your selection for the coming season, for if you once consider it, you are sure to want it in your garden.

In the beauty of its coloring it has no superior, being a rich, warm, salmon pink, perfectly suffused over a body of soft cream color.

The flowers are of unusual size and well placed and the petals delightfully frilled, giving an appearance of surpassing charm and beauty.

The stems are extra long and heavy, bearing three to four blossoms. As a cut flower it is pre-eminent and a row of them in your garden will win admiration from every passing glance and will be to you a source of much pleasure. Pkt., 15c; oz., 40c.

WE HAVE UNDER CONTRACT  
FOR 1917, 100 ACRES SWEET PEAS.  
PLANT WASHINGTON GROWN  
SEED. THEY ARE THE BEST.



**GIANT WAVED SPENCERS**

To facilitate your selection as to color, we have placed a color number at the left of the name of each variety and have tabulated and classified them below. For example, if you wish a lavender Sweet Pea, you choose between 3, 17, 18 and 28, all of which are Lavender colored varieties.

**CLASSIFICATION AS TO COLORS**

Blue, Light .....	25-43	Pink .....	8-13-14-21
Blue, Dark .....	3	Pink, Pale Cream .....	27-32-33
Crimson .....	19-23-29-42	Pink, Deep .....	11-26
Fancy .....	1-11	Pink, Blush .....	16
Fancy, Pink on Buff Picotte.....	34	Pink, Rose Blush Wings.....	2-5-30
Fancy, Rose on White Picotte.....	9-34	Pink, Cerise .....	12
Fancy, White on Pink Picotte.....	44	Pink, Salmon or Shrimp.....	4-39
Fancy, Maroon on White.....	38	Pink, Rose .....	22
Lavender .....	3-17-18-28	Purple .....	37
Lavender, Pinkish .....	31-40	Primrose or Ivory.....	7-10-36
Maroon .....	35	Red .....	23-29-42
Orange .....	20-41	White .....	15-30-45
		Yellow, Primrose .....	7-10-36

**MIXED GIANT SPENCER SWEET PEAS.** Composed exclusively of Giant Waved Spencer varieties, blended in proper proportions of bright colors and including several new hybrids of exquisite colors and shades, many of which, when sufficiently true up, will be introduced as new-named varieties. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50. Delivered free in the United States.

**NAME AND DESCRIPTION**

No.	Delivered Free in United States	Pkt. Oz.
1	<b>Afterglow.</b> Banner, rosy-amethyst tinted ultramarine-violet at base; wings, peacock and electric blues. One of the aesthetic new pastel colorings; most effective in cloudy weather or if shaded from hot sun.....	15 50
2	<b>Apple Blossom Spencer.</b> Banner bright rose color; wings creamy-blush; a very robust, profuse and large flowering "Bicolor".....	10 30
3	<b>Asta Ohn.</b> One of the best lavender Spencers; an exquisite rosy-lavender; flowers large and well waved.....	10 30
4	<b>Barbara.</b> A light salmon or shrimp-pink self; large flowers improved by shading; strong grower and very floriferous.....	15 35
5	<b>Blanche Perry Spencer.</b> Banner deep-rose-pink; wings white tinted with blush; a large "Spencer" form of the popular old "pink and white".....	10 30
6	<b>Captain of the Blues Spencer.</b> Banner maroon-purple; wings magenta-purple; very large flowers.....	10 30
7	<b>Clara Curtis.</b> The best of the primrose-yellows.....	10 30
8	<b>Countess Spencer.</b> A re-selected, improved strain of this grand original "pink Spencer".....	10 30
9	<b>Dainty Spencer.</b> Very large, splendidly formed flowers of blush-white; distinctly picotte edged with carmine-rose.....	10 30
10	<b>Dobie's Cream.</b> This is without exception one of the finest of the Spencers. The color is a beautiful cream, so rich and deep as almost to be classed a Primrose Yellow. It is large flowered and beautifully waved.....	15 50
11	<b>Duplex Spencer.</b> A lovely Spencer that is sure to win your admiration. It is a Pinkish Salmon with Rosy Apricot. Flowers large and many doubled.....	15 40
12	<b>Edith Taylor.</b> Extra fine and large flowers of rich salmon-rose or cerise; a very lively warm color; strong grower and free bloomer.....	10 30
13	<b>Elfrida Pearson.</b> Magnificent flower of blush pink, deepening towards the edges.....	15 40
14	<b>Enchantress.</b> True pink, one of the older types still very popular.....	10 30
15	<b>Etta Dyke.</b> This beautiful, giant waved Spencer is pure white in color, very large and delightfully frilled.....	10 30
16	<b>Florence Morse Spencer.</b> Very large wavy flowers of soft blush-pink flushed towards edge with deeper pink.....	10 30

**NAME AND DESCRIPTION**

No.	Delivered Free in United States	Pkt. Oz.
17	<b>Florence Nightingale.</b> Large lavender with pinkish sheen.....	10 30
18	<b>Frank Dolby.</b> Large, waved flowers of pale lavender of Unwin form. Fine for sowing in quantities.....	10 30
19	<b>George Herbert.</b> A very showy variety with fine large flowers, beautifully waved and of bright carmine rose.....	10 30
20	<b>Helen Lewis.</b> A very large and fine orange-rose; wings orange-salmon.....	10 30
21	<b>Hercules.</b> Too much cannot be said in praise of this variety. See special write-up on Back of Cover.....	25 50
22	<b>John Ingman.</b> One of the richest appearing varieties, of unusual size; a deep rose color and orchid waved.....	10 30
23	<b>King Edward Spencer.</b> A re-selected improved strain and the best of all the crimsons here noted; color rich crimson-scarlet; large open form; waved flowers of the largest size.....	10 30
24	<b>King White.</b> Hailed as the King of Whites, because of the perfect finish of the flower in every detail—form, size, waviness and glistening, immaculate whiteness.....	15 35
25	<b>Margaret Madison.</b> Large clear pale azure-blue.....	10 30
26	<b>Margaret Atlee.</b> Perhaps the finest of the new Spencers; immense flowers of the loveliest coloring; a rich warm salmon-pink over a body color of cream which lights up the whole flower into exquisite beauty.....	15 40
27	<b>Mary Garden.</b> A most dainty and lovable variety. Large waved blossoms of an exquisite cream pink.....	10 30
28	<b>Masterpiece.</b> Large wavy lavender tinted mauve.....	10 30
29	<b>Maud Holmes.</b> An unsurpassed "Sun-proof" crimson.....	10 30
30	<b>Mrs. Cuthbertson.</b> Carmine-rose banner and blush-white wings.....	10 30
31	<b>Mrs. Beiberstedt.</b> Pinkish lavender with deep lavender wings.....	10 30
32	<b>Mrs. Hugh Dickson.</b> A large and fine "cream-pink".....	15 30
33	<b>Mrs. Routhahn.</b> A favorite "cream-pink"; a blending of straw color tinted blush-pink and rosy-apricot.....	10 30
34	<b>Nell Gwynn.</b> Salmon pink shaded into buff; wings striped.....	10 30
35	<b>Othello.</b> A rich deep maroon; immense flowers of the finest waved Spencer form.....	10 30
36	<b>Primrose Spencer.</b> A waved clear primrose pea producing exceedingly large flowers.....	10 30

(Continued bottom p. 49)

*The Grandest  
of the  
Giant Waved  
Spencer  
Sweet Peas*

Pkt., 25c; oz., 50c



**HERCULES**

The most *Beautiful* variety of the most *Beautiful* of Flowers TO THE SWEET PEA ENTHUSIAST we offer the Wonder of the Sweet Pea world, HERCULES, as being, in our estimation, the highest type yet produced in all the galaxy of beauty represented by the GIANT WAVED SPENCERS.

**It is the SPENCER SUPREME**

In size, a giant among giants. In coloring, a Rich Rose Pink, the ideal Sweet Pea color. In form, the most graceful Orchid waved. In productiveness it has no equal. The vines are vigorous and hardy and produce quantities of these exquisitely beautiful flowers with prodigal generosity.

WE GROW ABOUT ALL OF OUR OWN SWEET PEA SEED AND CAN ASSURE YOU THAT THEY ARE THE BEST THAT CARE AND EXPERIENCE CAN PRODUCE.

LET US INCLUDE THIS MOST DELIGHTFUL AND SATISFACTORY SWEET PEA WITH YOUR ORDER. PRICE PER PKT., 25c; PER OZ., 75c.

The stems are heavy and long, often attaining a length of twenty-two inches, and seldom bear less than four flowers on each stem.

If you have ever planted this magnificent variety you will want it again, and if you have not yet tried it, plant it in your garden this year and you will agree that our enthusiasm is not misplaced.

- 37 **Royal Purple.** A rich royal-purple which coloring is carried throughout both banner and wings; the flowers are of splendid size and form on long stems; vines vigorous and free.....15 50
- 33 **Senator Spencer.** A large and fine striped seal-brown and claret colored flakes on white .....10 30
- 39 **Sterling Stent.** Rich deep salmon suffused with fiery orange; needs shading..10 30
- 40 **Tennant Spencer.** A large, waved Spencer of a most unusual purplish rosy mauve. You should try this delightful variety .....10 30

- 41 **Thomas Stevenson.** Fiery red-orange..10 30
- 42 **Vermillion Brilliant.** The most brilliant non-fading scarlet Spencer yet produced .....10 30
- 43 **Wedgewood Blue.** A clear light silvery-blue with just a suggestion of mauve in the banner; the best variety of its color .....15 40
- 44 **Winnifred Deal.** White with picotte pink wings. A new variety.....15 40
- 45 **White Spencer.** Pure white, the standard variety .....10 30



## GIANT WAVED SPENCER

We offer below a collection of 12 different colored Sweet Peas. They are the choicest of recent introductions. Both in colors and size they represent the latest triumphs of the plant breeder's skill. In these will be found the richest shades of apricot, pink to silvery blue, ivory white to royal purple.

- HERCULES.** Finest Pink.  
**ETTA DYKE.** Pure White.  
**MARGARITE ATLEE.** Pink.  
**ROYAL PURPLE.** Purple.  
**GEORGE HERBERT.** Rose.  
**VERMILLION BRILLIANT.** Scarlet.  
**DOBBIE CREAM.** Cream.  
**WEDGEWOOD.** Blue.  
**HELEN LEWIS.** Best Orange.  
**KING EDWARD.** Best Red.  
**MARGARITE MADISON.** Pale Lavender.  
**ELFRIDA PEARSON.** Best and Largest Light Pink.

The above 12 varieties, regular price, \$1.50.

Our special offer for the above collection, \$1.00.

We repeat this splendid offer which we made last year, for it was much appreciated by our many patrons as being the best value, quality considered, that can be offered in this rarely beautiful flower.

- AFTERGLOW.** Fancy Pastel Pink.  
**ELFRIDA PEARSON.** Pink.  
**BARBARA.** Shrimp Pink.  
**VERMILLION.** Brilliant Scarlet.  
**ROYAL PURPLE.** Purple.  
**WHITE SPENCER.**

Our Special Offer for the above 6 varieties 50c.

For those who do not wish to plant very extensively, this is a great value. All the varieties are GIANT WAVED SPENCERS and are desirable in every way.

Every lover of Sweet Peas should plant one of these collections.

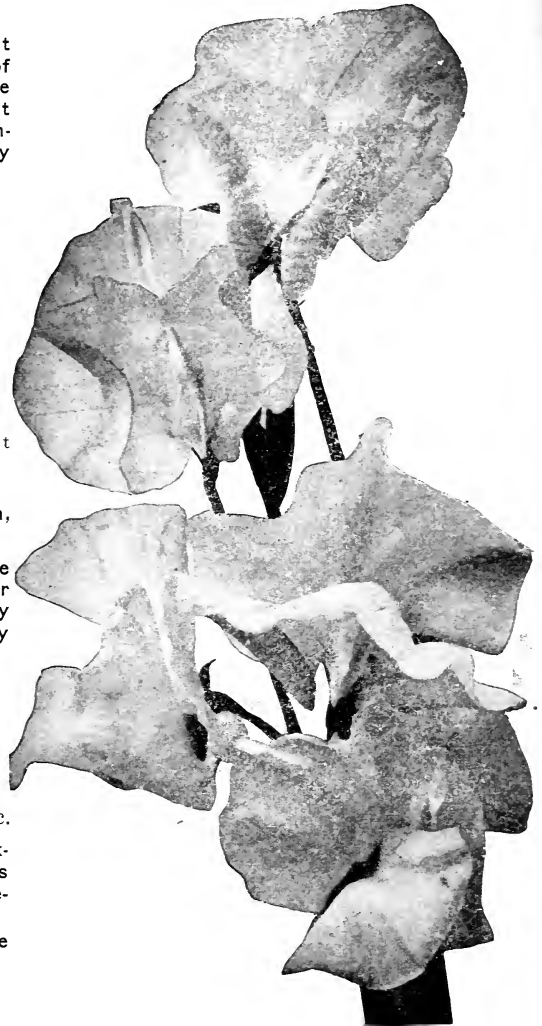
## GENERAL CULTURE

The ground where sweet peas are to be grown should be well prepared—if possible, the fall previous. Deep spading or plowing is very essential for the roots to penetrate into the cooler regions of the soil. Manure placed very deep will help to draw the roots downward. Sweet peas love sun, therefore they should always be planted where they are exposed to the sun all day.

**SOW SEEDS EARLY.** Sweet peas will produce their strongest roots during the cool, moist months of the spring, so that the sowing should take place as soon as the land can be worked. A little frost will do no harm to sweet peas. The old-fashioned method of sowing seeds in a trench eight inches deep and to cover them later is obsolete. After the soil has been carefully smoothed and raked, draw a line for a straight row and sow three seeds every six inches in the row. **Do not cover the seed** more than with one-half inch of soil, and if more than one plant should appear in each spot, carefully destroy all but the strongest specimen, so that one plant shows every six inches in the row.

Two ounces of seed is sufficient to sow a single row of 100 feet.

Sweet peas grown thus will produce stems and foliage of unusual strength and vigor, and, as each plant branches freely from the bottom, the entire



GIANT WAVED SPENCER

row will soon be a mass of foliage, more dense even than under the old-fashioned method of sowing thick.

Other up-to-date dealers will suggest that you sow thick and afterward thin out, but it is utterly impossible to do this satisfactorily, and it constitutes an extravagant waste of seeds, and consequently a waste of money. The flowers produced from plants grown as suggested by us are fit for the queen's garden, and will be a revelation to all who try this up-to-date method.

Notwithstanding the smaller number of plants existing in a row, when our suggestions are followed, we can positively assure our patrons that they will be able to pick more flowers.

**Watering.** Sweet peas must be constantly supplied with moisture to do well, and we suggest the following: On either side of the row of sweet peas (six inches away from the plant) dig a trench six inches deep and fill same with well decayed stable manure. Let the hose run into the trenches long enough to fill them up complete at least once a day and your sweet peas will never suffer.



## HARDY PERENNIAL PLANTS AND ROOTS

**BLEEDING HEART (Spectabilis).** Flowers are heart shaped, in long racemes of rose crimson color. Excellent for border plants. One and one-half feet high. Blooms from April to June. Large clumps, each, 25c; doz., \$2.50.

**ADENOPHOBA (Stricta).** An easily-grown, useful, attractive plant, with light blue flowers, not unlike Canterbury bells; July to September; 18 inches. Each, 10c; doz., \$1.00.

**AGROSTEMA (Rose Campion).** Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers; which are produced during June and July. **Coronaria** (Mullein Pink). Bright rosy-crimson, 2½ to 3 feet. Each, 5c; doz., 50c.

**ANCHUSA ITALICAS.** They form much-branched specimens 3 to 5 feet high, each branch terminated by a large, pyramidal, graceful spike of blue flowers, and while the habit of the plant is strong and vigorous it is not at all coarse. Of easy culture in any good garden soil and a sunny position. Very effective either in solid beds or in the hardy border. **Dropmore Variety.** Rich gentian blue. Each, 10c; doz., \$1.00.

**ANEMONE (Japanese Windflower).** This is the summer flowering anemone which makes a hardy plant. Especially good for cut flowers. We have some fine clumps in red, pink and white. Each, 25c.

**ANTHEMIS (Marguerite).** This hardy Marguerite is one of the most satisfactory summer-flowering perennials, succeeding in the poorest soil; of bushy habit, growing about 15 inches high, and producing its large daisy-like flowers continuously during the entire summer. Each, 20c; doz., \$2.00.

**AQUILEGIAS, or COLUMBINES.** The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage. **California Hybrid.** Long-spurred flowers in a variety of colorings, such as yellow, pink, flesh, red, etc. Each, 20c; doz., \$2.00.

**BOCCONIA (Flume Poppy or Tree Celandine).** **Cordata.** A noble, hardy perennial, beautiful in foliage and flower, admirably adapted for planting in the shrubby borders, center of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. Each, 20c; doz., \$2.00.

**CANNAS.** A flowering bulb which produces immense plants of dark green foliage and brilliant flowers of red and yellow. They should be planted in the early spring, in rich soil, and watered freely for two weeks after planting. Red or yellow. Each, 20c; 3 for 50c.

**CAMPANULAS (Bellflower).** Very desirable hardy perennials. Should be in every collection. **Carpatia** (Carpathian Hair-Bell). A pretty species, growing in compact tufts, not exceeding 8 inches high; flowers clear blue, held erect on wiry stems. It begins blooming in June, continuing until October. As an edging for a hardy border or for the rockery it is unsurpassed. **Persicifolia** (Peach Bells). Blue flowers during June and July; height 2 feet. Each, 10c; doz., \$1.00.

**CHELONE (Shell Flower).** Stately and handsome perennials, growing about 2 feet high, and bearing numerous spikes of large flower-heads during the summer and fall. **Barbatus Torreyii.** Spikes of brilliant coral red; very effective; June to August. Each, 10c; doz., \$1.00.

**CHRYSANTHEMUM LEUCANTHEMUM.** The larger-flowering single white hardy Daisy (Chrysanthemum leucanthemum maximum) has long been considered one of our finest hardy perennials for permanent garden decoration. The following new types are great improvements.

**Princess Henry.** This "Moon-Penny Daisy" forms a bushy, compact plant 18 inches high, producing in abundance, during late summer and fall, magnificent, large white flowers, 3 to 4 inches across. They are of splendid substance and, having long stems, are highly prized for cutting, lasting in water fully a week. It flowers the first season from spring-sown seed, and comes up every summer in the same beauty for many years. Pkt., 10c; each, 20c; doz., \$2.00.

**King Edward VII (Moon-penny Daisy).** Considered the finest of all, with flowers of extraordinary size, of purest white, perfect form, and exceedingly free-flowering. A splendid addition to this useful hardy perennial. Each, 20c; doz., \$2.00.

**DELPHINIUM (Larkspure).** A hardy perennial of easy culture and does well in any soil or spot. Better flowers are produced if care is used and planted in good, rich soil. They flower from June to September.

**Album.** Pure white. Grows 4 to 5 feet. Very large clumps. Each, 35c; doz., \$3.50.

**Cineraria Blue.** Sky blue; grows 2 feet; borne on erect stems. Large clumps, 35c.

**King of Delphinium.** Indigo blue, white eye, grows 4 to 5 feet high, with spike of deep blue flowers. New and very fine. Large clumps, 35c; doz., \$3.50.

**Gold Medal Hybrids.** This is an extra fine strain of strong, vigorous habit, with immense spikes from 2 to 3 feet long of large flowers, mostly in fine shades of light blue. Each, 35c.

**DORONICUM PLANTAGINEUM EXCELSUM.** A splendid spring-blooming perennial, with broad oblong leaves close to the ground, throwing up erect, stiff pencil-thick stems which bear on the top of an enormous yellow daisy with yellow center. The fine petals of the flower give it a most refined appearance and when cut the flower will last for a number of days. Although the plant grows to a height of 30 inches it is in bloom as early as May 15th and its flowering season extends up to the end of June; equally good for both sunny and shady positions. Space, 1 foot. Each, 20c; doz., \$2.00.

**ECHINOPS (Globe Thistle).** Interesting and showy thistle-like plants with globular heads which can be dried and remain attractive for a long time; 2 to 3 feet. Each, 25c.

**Sphaerocephalus.** Large heads of bluish white attractive flowers. Each, 25c.

**ERIGERON (Flea Bane).** (Giant-flowered Flea Bane). A large-flowered variety, producing showy Daisy-like flowers, flowering continuously during the summer months. Each, 20c.

**Speciosus Roseus.** Large rosy-pink flowers, from June to August; 2 feet high. Each, 20c; doz., \$2.00.

**ERYNGIUM (Sea Holly).** Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubby border, woodlands, wild gardens, etc.; the flower heads, which are productive from July to September, are useful to cut for vases or to dry for winter bouquets.

**Alpinum.** Dark blue. Each, 20c; doz., \$2.00.

**Roseum.** A new Benary variety, color pink. Each, 20c; doz., \$2.00.

**FINUS ALPINUS.** Herbaceous perennial. A charming Alpine rock plant, violet blue. Each, 20c; doz., \$2.00.

**GEUM (Atrosanguineum Fl. Pl.).** Beautiful hardy perennial bearing profusely large, showy double dark-crimson flowers all through the summer; an elegant flower for bouquets. Each, 20c.

**HEUCHERA (Coral Bells or Alum Root).** **Sanguinea.** One of the finest hardy perennials. The flowers are of a rich, bright coral-red color; the leaves light green and slightly hairy. Excellent for cutting. Each, 20c; doz., \$2.00.

## HARDY PERENNIAL PLANTS AND ROOTS

### HOLLY HOCKS.

We grow these from our finest selected seeds, and can supply you with the choicest of this old-fashioned flower in large two-year-old clumps of double or single white, pink, red or yellow. Each, 20c; doz., \$2.00. Small 1-year-old plants, which will bloom the first year, each 10c; doz., \$1.00.

**IBERIS (Hardy Candytuft).** Most desirable dwarf plants (8 to 10 inches) with evergreen foliage, which is completely hidden with dense heads of flowers early in the spring.

**Gibraltarica Hybrida.** White shading to lilac. Each, 20c.

**IRIS (Iris Kaempferi).** Japan. A fine, hardy plant which does well in cool, moist places. This Iris would be used much more if its beauty were known. Blooms from the middle of June until August. The various shades of color are exquisite, in blue, lavender, white and cream. Each, 20c; doz., \$2.00.

**SEDUM (Stone Crop).** Suitable for the rockery, carpet bedding, covering of graves, etc., in many varieties. Each, 10c; doz., \$1.00.

**GERMAN FLEUR DE LIS.** This variety is more commonly used and is very successful in moist or watery places. The varieties are blue, white, purple and violet. Each, 10c; doz., \$1.00.

**ITALIAN IRIS.** A most beautiful and the only fragrant variety of the Iris. It is cultivated for the bulbs, which, when dried and powdered, make the finest of face powders. Each, 15c; doz., \$1.50.

**IRIS SEBERICA (Yale Blue).** A slender, graceful, tall-growing Iris, with flowers quite similar to those of the German Iris, but smaller and much more numerous. The plants form large, strong, compact clumps, and bloom so freely that the deep blue flowers give almost a solid color effect. Each, 15c; doz., \$1.50.

**LAVANDULA (Lavender).** Vera. This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August. Large plants, each, 35c.

**LIATRIS.** Most showy and attractive plants with long spikes of purple and rosy purple flowers from July to September; 3 to 4 feet. Each, 20c.

**LINUM (Flax).** A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. Each, 20c.

**LUPINUS (Inuerheimi).** Showy, hardy perennials growing 3 to 4 feet in height and producing during summer long racemes of Pea-like flowers in a great variety of colors. Each, 20c.

**LYCHNIS (Campion).** All of the Lychnis are of the easiest culture, thriving in any soil, and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants. Each, 20c. **Chalcedonica.** A most desirable plant, heads of brilliant orange-scarlet in June and July; grows 2 to 3 feet high. **Haageana.** Brilliant orange-scarlet, flowers in May and June; 12 inches.

**PEONIES.** These are absolutely hardy everywhere, have no insect enemies, and always live and increase in beauty. The finer and newer varieties of this old garden favorite will delight everyone, as the perfection of flower and the variety of color have been carried to a very high degree. The flowers are well adapted for cutting, and for the ornamentation of the house, as they rival the rose in perfection of flower and brilliancy of coloring, possessing a striking individuality that is in accord with the present taste and style in floral decorations. Our collection embraces the choicest sorts in the most striking color—white, pink, crimson, etc., in various shades. Each, 35c.

**PLATYCODONS (Baloon Flower or Japanese).** The Platycodons are closely allied to the Campanulas, and form neat, branched bushes of upright habit. **Grandiflorum.** Deep blue cupped, star-shaped flowers. **Album.** A white-flowered form of the above. Each, 20c.

**POLYGONUM (Knot-Weed).** Grows about 15 inches high, and during August and September the entire plant appears as a foamy mass of white flowers. Each, 20c.

**PYRETHRUM HYBRIDUM.** Often called the colored daisy, for the flower is exactly like a daisy. From a dense tuft (18 inches in diameter) of fern-like foliage arise in June a great quantity of round pencil-like flower-stems, 2 feet high, which bear a very large daisy-like flower, in such shades as delicate pink, bright pink, flesh pink, deep pink, pure white and crimson. One of the showy perennials in June and excellent for cutting. Space, 18 inches. **Roseum.** Single flowers in assorted shades. Each, 20c.

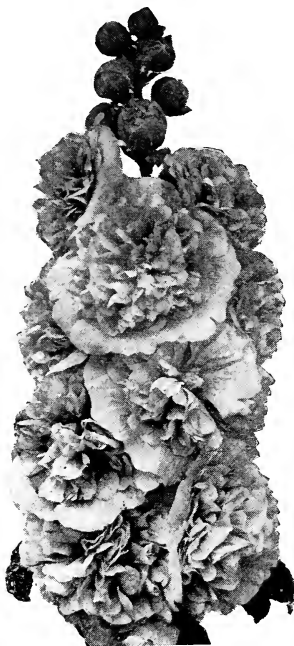
**PHLOX DECUSSATA.** The most effective border plant during August and September. The beauty and usefulness of these grand border plants give them a prominent place among hardy plants. When cut, their large heads of bloom go a long way in floral decorations. In color they range from pure white to deepest crimson, also lilac and variegated; all with delicate fragrance; white, crimson, pink, lilac, variegated. Each, 20c; doz., \$2.00.

**PRIMULAS (Primrose).** The hardy Primroses are among the most beautiful interesting of our early spring flowers. Plant them in rich, well-drained soil, in the border or in a sheltered nook in the rockery; if possible, in a half-shady place. Large clumps, each, 15c.

**SCABIOSA.** From a cluster of well-formed foliage, which remains close to the ground, appear numerous straight leafless flower-stalks, 18 inches of which is crowned with a large saucer-shaped flower, composed of an outer row of gracefully fringed petals and a centre composed of fluted filaments, of which part are unopened, creating a very artistic effect. The flowers appear in succession from June till September. Excellent for the foreground of borders. Space, 10 inches. **Caucasica.** Delicate lavender. Each, 25c.

**SAXIFRAGA (Megasea).** These are admirable for the front of the border or shrubbery, forming masses of handsome, broad, deep green foliage, which alone renders them useful, while the pretty flowers, which appear very early in the spring, some almost as soon as the frost is out of the ground, make them doubly effective. Light pink, deep rose, deep rosy-crimson, rosy-pink, light pink. Each, 20c.

**SHASTA DAISY.** An extra fine type of this flower which we can recommend very highly. Each, 15c; doz., \$1.50.



DOUBLE HOLLY HOCKS

## HARDY PERENNIALS AND ROOTS HARDY NYMPHAES OR WATER LILIES

The Water Garden is an important feature in garden and landscape effects. The great diversity in size, color and other features among the Water Lilies gives the Water Gardening a peculiar fascination, interest and charm.

A Water Garden may be enjoyed in a sunny back yard as well as in large gardens or pretentious grounds. Where stagnant pools exist it becomes a hygienic necessity to stock same with plants and fish, for, when properly balanced with plant and animal life, the water becomes, and will remain, pure and sweet, and in place of a mosquito and malaria-breeding pool we have a beautiful and delightful aquatic garden.

We have these in white, pink, red and yellow and offer extra fine roots, acclimated to this climate at 35c and 50c each. (Cannot ship before the middle of April.)

**TRITOMA or THE RED HOT POKER.** A hardy perennial which produces a rich orange-scarlet flower in spikes of six to ten inches long. Fine for mass effects. Large clubs, 25c each.

### VIOLET PLANTS

**CALIFORNIA.** Large, fine plants, carefully selected so as to assure fine quality, and a large quantity of flowers. Half doz. plants, 60c.

**DOUBLE.** A constant bloomer of large, deep violet-purple double flowers. Very sweet scented. Half doz., 60c; doz., \$1.00.

**WALLFLOWERS.** The old favorite fragrant Wallflower; mixed colors, including yellow, brown, etc. Each, 15c; doz., \$1.50.

## PERENNIAL BEDDING PLANTS

The Parcel Post has made it possible for us to forward by mail at a minimum cost, all kinds of perennial and bedding plants. We pack very carefully and guarantee any orders you may trust us with to arrive in good condition, and will replace any that do not.

We make no charge for packing and the prices include postage. But if you order to come by express we will send you larger clumps and include extra plants for the postage.

**AGERATUM (Floss Flower).** One of the best bedding plants, being literally a sheet of bloom from early summer till frost. Unlike many bedding plants, their flowers are not liable to be spoiled by rain, nor do the colors fade out. The various blue varieties are without doubt the most satisfactory bedding plants of this color for our climate.

**Little Blue Star.** A variety of exceedingly dwarf and even growth; the tiny bushes, not over 4 to 5 inches high, are densely covered with bright blue flowers; a fine variety for edging. Each, 10c; doz., \$1.00.

**ALYSSUM (Mad Wort).** Pretty little plants for beds, vases, baskets, edging or rockwork, blooming profusely all summer; useful also for winter flowering. Very sweetly scented.

**Little Gem, or Carpet of Snow.** Of dwarf, compact habit, but 4 inches high. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late in autumn, and undoubtedly the best white flowering edging plant in the list. Each, 5c; doz., 50c.

**CREGO'S GIANT COMET ASTERS.** We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers five inches and over in diameter, as fine as any Chrysanthemum, and when cut keep in good condition longer than any other of this type. We offer five colors, viz: Pure white, delicate shell-pink, bright purple, rich deep rose, deep lavender. Plants, each, 15c; doz., 50c.

**SEMPLER'S LATE FLOWERING ASTERS.** Superior late-flowering branching Asters. The flowers are large, very double and borne on long stems. They begin blooming about the first of September. Plants strong growers, 18 inches to 2 feet high. White, lavender, purple, crimson, shell-pink (Mary Sempler), light blue. Each, 5c; doz., 35c.

**GYPHOPHILA.** A hardy perennial, commonly called Baby Breath. Produces double roset-like flowers in great profusion. Fine for cutting. Each, 15c; doz., \$1.50.

**GIANT COMET.** Same colors as above. Plants, each, 5c; doz., 35c.

**CALCEOLARIS.** Bright yellow; fine for bedding. Each, 15c to 25c.

**CARNATIONS.** Carnations we offer are young plants from two-inch roots. Planted out in the spring they should bloom from early July until fall. Brilliant scarlet with crimson tones. A fine shade of rosy blush-pink. Extra fine, unrivaled in color. A pure white "sport" from the pink Enchantress. Price, each, 10c; doz., \$1.00.

**COLEUS (Fancy Leaved).** Coleus are the most important of all the fancy-leaved bedding plants. Their varied tints of crimson, gold, bronze and green, richly blotched, veined or margined, produces a brilliancy of color unequalled by any other plant. Coleus also make very fine pot plants, especially if you have a warm room to winter them in. Our collection is strictly up to date. No finer are to be had. Special low prices in large quantities. Each, 15c.

## GERANIUMS

In this, the most popular bedding plant the world over, we are offering this season some new varieties that have taken the garden world by storm, and also the old standard favorites of long proven worth and desirability. These plants will make a splendid showing at once. Prices on all Geraniums: Size, 2-in. pots, each, 25c; doz., \$2.50. Size, 3-in. pots, each, 35c; doz., \$3.50.

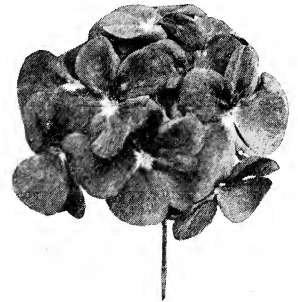
**SINGLE VARIETIES (Mrs. G. Hill).** A beautiful salmon pink, producing an extra large flower. Finest pink yet produced, both in size and color.

**IVY GERANIUM.** This class of Geranium has a trailing habit and is unexcelled for baskets, vases and window boxes. Deep green, ivy-shaped leaves and brilliant colored flowers. Large plants, in bloom, each, 35c; doz., \$3.50. Small plants, each, 25c; doz., \$2.50.

**S. A. NUTT.** The best of the rich, dark crimson varieties; trusses massive and lasting. The most popular sort for bedding all over the country. Grown by the million.

**PELORONIUM or LADY WASHINGTON.** Like other Geraniums, they flower during the summer months and are very ornamental either as house or bedding plants. Blush white, cerise, crimson, salmon and pink, blotched with maroon and mahogany. Velvety petals. Each, 50c.

We also offer the latest novelty, **EASTER GREETING.** A very rich red and a free bloomer. It has the most beautiful shadings of any Pelargonium yet introduced. Very special, at, each, \$1.00.





## PERENNIAL AND BEDDING PLANTS



**PANSY PLANTS.** If you wish to enjoy pansies of absolute perfection in form, coloring and size, this summer, you can have them in the two varieties of our famous pansy plants listed below. Every flower is a gem, and a bed of them is a picture to behold.

In them may be found colors of wondrous richness and effectiveness and also the alluring delicacy and beauty of the pastel shades.

### READY FROM MARCH TO JUNE.

**MASTODON.** A strain of surpassing excellence for giant size, substance, form and coloring. Plants are in full bloom and packed a dozen in a basket. Per basket, \$1.00.

**GIANT MASTERPIECE.** A pansy of infinite grace and loveliness; of rich, velvety coloring, the immense petals beautifully waved in true orchid effect. Our price in these is very special and a rare value. Doz., 75c.

**IVY—GROUND.** Invaluable evergreen variety, used for covering walls, etc., and has become very popular for covering graves, especially if in the shade, where grass will not succeed. 10c.

**IVY—GERMAN.** Waxy green leaves, strong growing vine for window and porch boxes or for hanging baskets. 10c each.

**MYSTIS (Forget Me Not).** The large spring-flowering Forget Me Not, with intense sky-blue flowers, bright and attractive. Per doz., \$1.00.

**PHLOX (Drummondii).** We have this very effective bedding plant in the following colors: Pink, Scarlet and White and Mixed assortment. Each, 15c; doz., 60c.

**STOCKS.** Improved strains of this lovely, fragrant plant, both single and double varieties, in all colors. Per doz., \$1.00.

**MARIGOLD (Tall African).** A high-bred type, bearing densely double flowers of a rich deep golden-orange color; very showy.

**DWARF FRENCH.** Are dwarf in growth, with beautifully striped flowers, suited for bedding purposes, or for pot culture. Fine colors, mixed, very double.

Splendid hardy plants of either variety quoted. Per doz., 60c.

**SALVIA, New Zurich.** A distinct and attractive variety, of compact dwarf growth. The plants are of neatly rounded form and only 18 inches high, closely set with stiffly erect spikes of the bright scarlet flowers. Each, 25c.

**LOBELIA PLANTS (Dwarf).** Blue and White in single and double. Plants grown in flats, each 5c; doz., 50c. Plants grown in pots, each 10c; doz., \$1.20.

**LOBELIA (Trailing).** White and Blue. Prices same as above.

**MARGUERITE (Mrs. Sanders).** A superb new Marguerite or Paris Daisy coming from England. Covered all Summer with large, Anemone-shaped, semi-double white flowers of great beauty. A fine garden plant. Each, 35c; doz., \$3.50.

**PETUNIA (The Virginian).** A beautiful new single-flowered variety, very popular last season for bedding and window boxes. Large fringed blooms of a soft bright pink shaded to yellow and white in the center. Each, 25c; doz., \$2.00.

**PETUNIA (Double).** White, Lavender and Purple. Each, 15c; doz., \$1.50.

**VERBENA (New Mammoth).** The Verbena is, next to the Geranium, the most popular of all bedding plants. They commence to flower and spread the first day the plants are set out and continue growing more beautiful until late in the Fall. The New Mammoth strains are noted for their robust growth and immense flowers. The colors range through the different shades of blue, pink, scarlet, white, purple, crimson, and some variegated. Each, 10c; doz., \$1.00.

**MESEMBRYANTHEMUM SPECTABILIS.** Quilled shaped, succulent leaves with large single thistle-like cerise pink flowers. Fine for baskets, vases or porch boxes as well as a good bedding plant. Flowers continuously. Each, 15c.

**VINCA.** Variegated for boxes and baskets. Each, 35c.

**HELIOTROPE.** A fine garden plant. Very fragrant. Lavender flowers. One plant will grow from fifty to one hundred blooms. Grown in 3-inch pots, each 25c; doz., \$2.50. Grown in 4-inch pots, each 35c; doz., \$3.50.

## BULBS FOR SPRING PLANTING

**LILIUM AURATUM MACRANTUM.** An improved type of the Auratum, but petals much larger and broader, which with the broad bands of golden yellow make a fine showing. Flowers often measure ten to twelve inches across. Each, 25c; doz., \$2.50.

**LILIUM AURATUM BROWN.** Light cream within with beautiful purplish color outside, trumpet form, very showy and fragrant. Each, 50c; doz., \$5.00.

**LILIUM AURATUM PICTUM.** Similar in form to the Auratum but tipped with crimson at the ends of the golden yellow rays. See Brown. Each, 25c; doz., \$2.50.

**LILY OF THE VALLEY (Fancy Berlin Pipe).** One of the most satisfactory and charming spring flowering plants, producing in profusion its delicate, bell-shaped, white flowers. Thrive in any common soil, are perfectly hardy and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year. November to March.

Selected Pips, for forcing indoors or planting outside. Each, 5c; doz., 35c; 100, \$2.50.

**BELLADONNA MAJOR (Amaryllis).** Autumn blooming variety of extreme beauty and fragrance; the spikes grow from two to three feet high, each, carrying from six to twelve beautiful flowers, "sweet as lilies," of silvery white, flushed and tipped with rose. Choice bulbs, each, 20c; 3 for 50c.

**LILIUM SPECIOSUM MAGNIFICUM.** An improvement on the Rumrum. The flowers are of a larger type, rich deep red, on stem very vigorous and erect. Each, 25c; doz., \$2.50.

**FORMOSISSIMA.** One of the most popular of the Amaryllis family flowers, are of beautiful dark scarlet, strangely marked. Plant outdoors after danger of frost is over. Will bloom during summer. Large bulbs, each, 15c; 2 for 25c.

**DAHLIAS** We have revised our list of Dahlias this year to include only such varieties as have stood the test of popular criticism and have proven themselves to have distinctive advantages. For this reason, in making your selection from this catalogue it will be practically impossible for you to go wrong in your choice of bulbs.

Our Dahlia Bulbs are grown by an expert who is also an enthusiast and whose skill and experience in this direction are equalled by few. Because of this, our bulbs can always be depended upon to come true to name. A very necessary requisite if you wish to exhibit them successfully.

We have also been able this season to make a very noticeable reduction in price on some of the rarest and choicest varieties which, we have no doubt, will be much appreciated by our Dahlia patrons.

We wish you success in your Dahlia growing this year and will be glad to know of your success with our bulbs.

## NEW AND CHOICE CACTUS DAHLIAS

**CACTUS.** These sorts have long petals, sometimes coming in irregular shapes, putting one in mind of the Chrysanthemum flower. They are all very free in bloom and are very valuable for cutting, their many beautiful colors being very generally admired; for a small amount of labor we know of no flower that will give such returns.

**BRIGADIER.** Large and of splendid Cactus type with rolled petals, well placed, making a very symmetrical and graceful flower. Color, a rich, attractive red. Bulbs, each, 75c.

**CANDEUR.** We consider this a dahlia of special merit, having proven its advantages both as a cutting and garden variety. The flowers are large and a wonderful pure white in color and because of its beautifully incurved petals, closely resembles the chrysanthemum in appearance. Bulbs, each, 75c.

**COMET.** An unusual dahlia in many respects. It is extra large, a very free bloomer and its coloring puts it into a class by itself, with its beautiful silver rose petals, flecked with crimson. Bulbs, each, 35c.

**CONQUEST.** A very large Cactus of excellent habit and splendid color. Petals gracefully curved and a beautiful, deep crimson in color. A steady favorite. Bulbs, each, 75c.

**CRYSTAL.** (See engraving.) One of the most beautiful dahlias yet produced and a splendid exhibition flower. The long, incurved, twisted petals making it of the finest form, and in size it has few equals. The coloring is, indeed, charming, the silvery pink petals shading to a creamy white in the center. Your collection will be much improved by the addition of this lovely variety if you do not already have it. Bulbs, each, 75c.

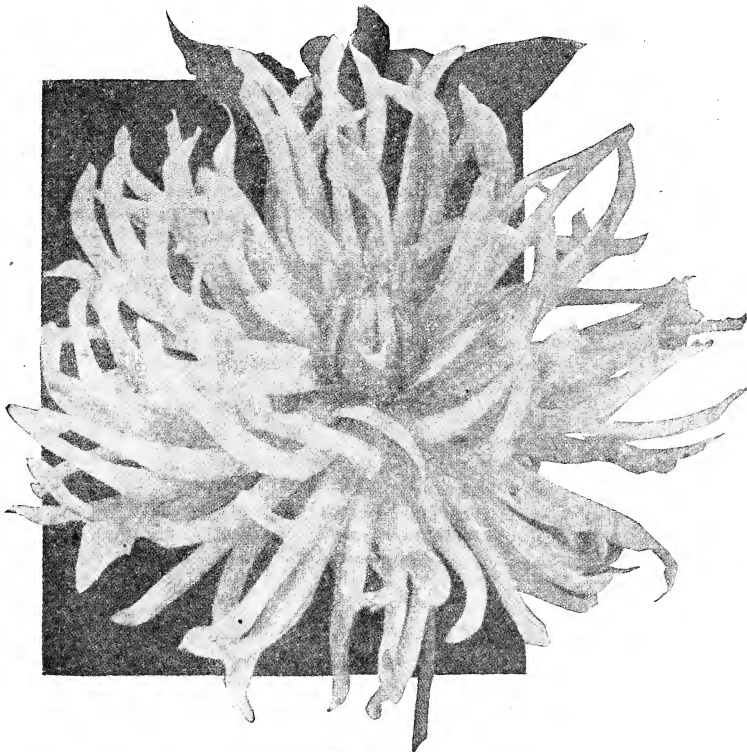
**DR. ROY APPLETON.** This is the finest of the straight petaled type, of perfect star-like form; color, a beautiful light lemon yellow, merging to delicate salmon, lighter at the tips. Plants of good habit with long stems, making it splendid for cutting. One of the best for exhibition purposes. Bulbs, each, 75c.

**DOROTHY HAWES.** An exceptionally choice variety and very desirable, possessing great beauty both of form and coloring. It is of good habit and free flowering for one so large. Color a rich, unusual cerise. Very specially priced at \$1.00.

**EMPRESS.** This is another dahlia that attracts much comment and admiration. It is very large, of beautiful form, having long, tubular, incurved petals. In color it is a lovely tyrian rose. Bulbs, each, 75c.

**ETENARD DE LYON.** One of the most extraordinary dahlias that has yet been offered to a delighted public. It is of the hybrid cactus type and in form unlike anything else in the dahlia line. The petals are broad, curled and wavy, forming a flower six inches in diameter and four inches deep. It is both symmetrical and graceful. In color it is a rich royal purple with an indescribably brilliant suffusion. It is exceptionally free flowering when its size is taken into consideration, as most of the giant-flowering varieties are scant bloomers. Its habit of growth is perfect and we heartily recommend the Etenard De Lyon to all dahlia enthusiasts. Bulbs, each, \$1.00.

**EXPRESS.** A very choice and lovely Cactus Dahlia of a beautiful, delicate lavender shade that is difficult to obtain in this type. We are offering it this season at a very special price. Bulbs, each, only \$1.00.



Cactus Dahlia (Crystal).

**HON. MRS. GREVILLE.** This new variety with the unusual beauty of its coloring, was considered one of the choicest specimens in our last exhibit. In coloring it is an exquisite apricot shade and in form it is symmetrical and pleasing. We are pleased to be able to list it at a great reduction in price this season. Bulbs, each, \$1.00.



## DAHLIAS—Continued

**UNIQUE.** This is one of the later products of the cactus type and a most charmingly attractive one. The flowers have both depth and size, and the petals are long and curled. Color, deep red tipped with white. If you wish something out of the ordinary for your garden be sure to include some of these bulbs in your order. Bulbs, each, \$1.00.

**MARATHON.** A cactus variety that has given splendid satisfaction for its free blooming qualities as well as for the beauty and brilliancy of its flowers. It is distinctive in form, having broad, twisted, cleft petals. In coloring it is a rich purple with shadings of a higher, brighter color. Of good habit, having fine stems. Bulbs, each, 50c.

**MME. GHAULET.** A very striking dahlia of the cactus type that is included in nearly every large collection for its many sterling qualities. Color, an effective combination of yellow and red. Bulbs, each, 50c.

**MINNIE WEST.** A rich creamy white that holds its own with dahlia lovers and is very generally admired wherever grown. The habit of the plant is all that can be desired. Bulbs, each, 50c.

**MISS STREDWICK.** This is one of the very desirable among the new varieties of the cactus-flowered. It is a most interesting and effective flower. The beautiful petals are a soft yellow at the base, changing to a lovely, rich pink. Bulbs, each, 75c.

**VICTORY.** A soft, lovely coral in color. It is appropriately named, since it excels in so many ways so many of its class. Bulbs, each, 75c.

**PIERROT.** A novelty that wins instant admiration both as an exhibition and garden variety. The flowers are unusual in their grace and beauty of form and their color unusual and striking. The petals are long, narrow and tubular and are amber color touched with white at the tips. Bulbs, each, \$1.00.

**PRINCE ARTHUR.** A cactus-flowered variety of high quality and a standard favorite in its color, which is a medium shade of red. Flowers are graceful and of good size. Bulbs, each, 75c.

**RUBY GRINSTAD.** This variety is held in great esteem by all those who have it already in their collections. It is of fair size and its color is a most rare and delightful shrimp pink. Bulbs, each, 35c.

**SEAGULL.** A most charming and unusual sort and one that attracts instant notice. It was considered one of our choicest varieties last year. It is of splendid size and habit and the coloring is startlingly unusual—white with red tips. Specially priced this season, at, bulbs, each, \$1.00.

**REV. T. W. JAMISON.** One of the most beautiful and satisfactory of all the cactus varieties. It blooms freely under all conditions, producing flowers of rare symmetry on strong stems that make it invaluable for cutting. Its immense flowers have long, incurved, gracefully rolled petals of a delicately lovely mauve pink, touched with salmon at the base. Bulbs, each, 50c.

**RICHARD BOX.** A new variety, which for the purity of its coloring and grace of form is ranked among the most artistic of its kind. It is of good size and the color is a soft, beautiful yellow. Bulbs, each, 50c.

**MRS. C. G. WYATT.** A grand favorite for exhibition. The flower has splendid depth, the petals are long, numerous and well placed, the color the finest white. Bulbs, each, 75c.

## PEONY-FLOWERED DAHLIAS

This new type of Dahlia has been received with a great deal of pleasure by the plant-loving community. They have large flowers with, as a rule, two rows of petals, somewhat ragged in appearance, producing their flowers in wonderful profusion, and for a long period.

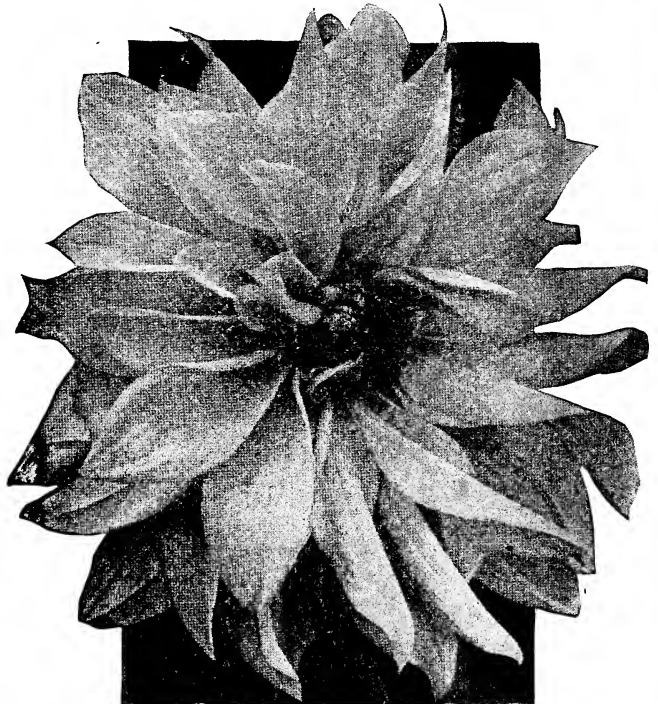
**AVALANCHE.** This is admittedly the best of the peony-flowered yet introduced in its color, which is a splendid pure white. It is extremely large and very graceful and unexcelled either for garden display or cutting, while as an exhibition variety it wins over all others. Bulbs, each, \$1.50.

**BETTY.** One of the few lavender colored Dahlias and one of the most beautiful varieties. It is of large size and with the grace that distinguishes this class. Bulbs, each, 50c.

**BLACK HAWK.** The rich beauty of this variety must be seen to be appreciated. It is large and graceful and the color is a fine, deep maroon. We consider this the finest of its class and color. Bulbs, each, \$1.00.

**NEW PEONY-FLOWERED DAHLIA MONDSCHIEBE.** For description see following page.

**WM. MARSHALL.** Of true cactus type with great richness of coloring. Petals long and distinguished for its refinement of form. Its color is a remarkable bronze yellow. Bulbs, each, 50c.



**CHIEF SEATTLE.** This was a great favorite at the Dahlia shows. In color it is a charmingly delicate flesh-pink, and the flowers are large with long, graceful petals. We are pleased to be able to offer this lovely variety at a very special price this season. Bulbs, each, 75c.



## DAHLIAS—Continued

**DR. H. H. BUSBY.** A lovely variety that is always much admired for the purity of its coloring, which is a pale yellow, and for its grace and symmetry of form. Of vigorous growth and free-flowering. Bulbs, each, 50c.

**DR. PEABY.** Of exceeding richness and fine form. A most desirable variety that thrives well almost anywhere. Brilliant reddish-mahogany coloring. Bulbs, each, 50c.

**ENUMCLAW.** One of the best pinks and a great exposition favorite. There is a great demand for this variety because of its all round desirability. Bulbs, each, \$1.00.

**FRANZ LISZT.** A popular variegated variety in the peony-flowered class; colors red and white. Bulbs, each, 35c.

**GIANT EDELWEIS.** A variety of peculiar merit and excellent both for garden display and for cutting purposes. The flowers have long, incurving petals of unusual length and substance, and the color is a glistening, velvety white, which is intensified by a beautiful golden center. The stems are firm and long, giving the erect appearance so much desired but sometimes lacking in the Dahlia. Bulbs, each, 50c.

**GLORY OF NYKIEK.** An exceptionally desirable Dahlia in the peony-flowered that makes a splendid showing in any capacity; in fact, we know of few that have so many good qualities. It has beautiful foliage, good stems and the flowers are large, brilliant and attractive. The color is a dark, violet red, overlaid with blackish crimson, producing an undescribably rich effect. It is of the finest peony type.

**GREAT BRITAIN.** An especially large and graceful Dahlia, of a most delightful light mauve coloring, with dark markings toward the center. It is full-petaled and a most charming variety. Bulbs, each, \$1.00.

**HAMPTON COURT.** (See engraving.) There are few to equal this splendid peony-flowered Dahlia. It is of excellent form, bold and erect, very full-petaled for this type and the color is a pleasing bright mauve pink. Bulbs, very special at, each, 60c.

**HI GILL.** A true peony-flowered of richest orange yellow. Immense in size and a very showy variety. Bulbs, each, \$1.00.

**H. J. LOVINE.** One of the most delicately lovely of all the peony Dahlias. Its dainty coloring of heliotrope pink combined with its splendid size give it front rank among the favorites. Bulbs, each, 75c.

**HOLMAN HUNT.** A Dahlia of high quality and in good demand. Flowers are true peony type and a deep, rich maroon in coloring. Bulbs, each, \$1.00.

**ISSAQUAH.** A splendid exhibition Dahlia that is always awarded unstinted admiration. Its immense flowers are an exquisitely lovely shade of lavender-pink. Bulbs, each, \$1.00.

**KLICKITAT.** Very large flowers of a distinct and graceful type in a pleasing blending of pink and yellow. One of our standard favorites. Bulbs, each, 50c.

**MONDSCHIEBE.** (See engraving on preceding page.) A peony-flowered Dahlia that is remarkable for the immensity of its size and the splendor of its color, which is a clear, deep yellow. Very free flowering and of the highest excellence. Bulbs, each, \$1.00.

**LADY SEVILLE.** Of graceful form and rare coloring. Curling petals of red, shading to buff. Bulbs, each, 75c.

**MINNEHaha.** A most rare and choice variety and unsurpassed in the rads. Its large, graceful flowers attract much admiring attention wherever shown. A rich, cherry red. Bulbs, each, special, \$1.00.

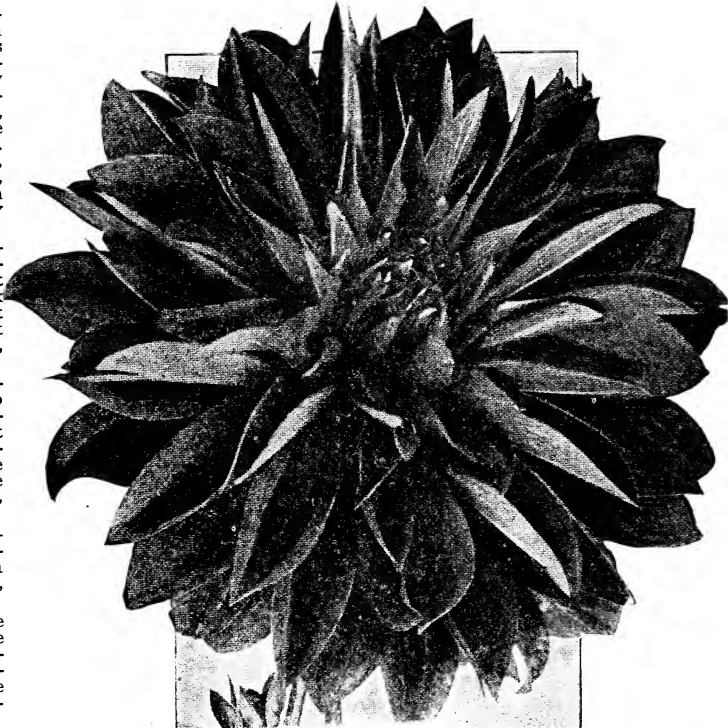
**MIAINTINOWAH.** An exceedingly rare and exquisitely beautiful Dahlia of great distinction of form and pleasingly graceful. In coloring it is a beautiful, rich amber. Bulbs, each, special, \$2.00.

**MRS. HELEN LADD CORBETT.** A dainty lavender-pink variety of great charm and beauty. One seldom sees a more perfect specimen of the peony type. Bulbs, each, \$1.00.

**RED CLOUD.** A peony-flowered variety of great distinction. Fine, dark red. Splendid for garden or cutting. Bulbs, each, \$1.00.

**LA CONNIE.** The charm of this variety is in the beauty of its coloring, which is an unusual salmon tint. Of good size and splendid habit. Bulbs, each, 75c.

**QUEEN EMMA.** A delightful bright pink variety with darker pink pencilings and a touch of yellow in center of petal that is unusual and pleasing. Bulbs, each, 50c.



**RICHARD M. BUTTLE.** A gorgeously beautiful Dahlia in brilliant orange and red coloring. Very choice. Bulbs, each, special, 75c.

**KLONDYKE.** A variety possessing the advantages of great size and rich coloring and distinctive form. A good exhibition variety. Bulbs, each, \$1.00.

**PRINCESS DELAX.** Of distinctive type, graceful but showy. A beautiful blending of pink and yellow with apricot sheen. Bulbs, each, \$1.00.

**QUEEN ESTHEE.** This wonderful red exhibition Dahlia carries all before it when offered in competition with other varieties. The size, combined with great beauty of form and richness of coloring, make it an invariable prize winner when produced at its best. Bulbs, each, \$2.00.

## DAHLIAS—Continued

**VAN DYKE.** A variety noted for its artistic elegance. Its delightful coloring of exquisite lavender-pink makes it a flower of irresistible charm. Bulbs, each, \$1.00.

**VILLAGE BELLE.** Delicately pleasing, of true cactus type in its grace of form, and free flowering qualities. Pale yellow and pink. Bulbs, each, 50c.

**WADAWANUCK.** A choice variety of finest form and splendid size with a beautiful blending of colors that make it prized in its class. It is of true peony type; color, scarlet with an amber suffusion that is indescribably beautiful. Bulbs, each, \$1.00.

**WHIDBY.** One of the most beautiful of its class. Color pale pink. Of good size and habit. Bulbs, each, 50c.

### DECORATIVE DAHLIAS

**ATHALIA.** Is a credit to any garden and by its profuse blooming is a joy to its possessor. It is of giant size and is a rich oxblood red with maroon shadings.

Bulbs, each, 50c.

**D. M. MOORE.** We consider this to be, without exception, the finest of its color and class and recommend it for exhibition honors. It was one of the leading varieties at our last exhibit and received merited attention. It is of grand form and in color is a rich, velvety maroon. We are making a very special price on it for this season. Bulbs, each, \$1.00.

**IMMENSE.** One would instinctively call this variety by its name on sight, because of the decided impression that is made by its great size. It is one of the showiest of the Decoratives, which is augmented by the brilliancy of its coloring of cerise and white. Bulbs, each, \$1.00.

**MASTER PAUL.** A Decorative that never fails to please the artistic sense by the delicate beauty of its coloring of lavender-pink and the graceful symmetry of its form. We are enabled this season to offer at a very attractive price. Each, 75c.

**OWEENE.** A magnificent specimen of this splendid, free-flowering type. It is of wonderful size and graceful in the extreme. Color deep pink, attractively variegated. Bulbs, very special, each, 75c.

**PAUL BUNYON.** A variety of rare and attractive coloring and splendid contour that will please the most critical. Its broad, bronze-yellow petals are tinged with pink, making a tint that is difficult of description. Bulbs, each, special, 75c.

**PEARLE DE LYON.** We have found no dahlia that surpasses this one as a white. It holds its own with any variety of any class. It has long, stiff, wiry stems which bear it proudly erect in the full beauty of its immense size, making it very effective in the purity of its whiteness. Bulbs, each, 75c.

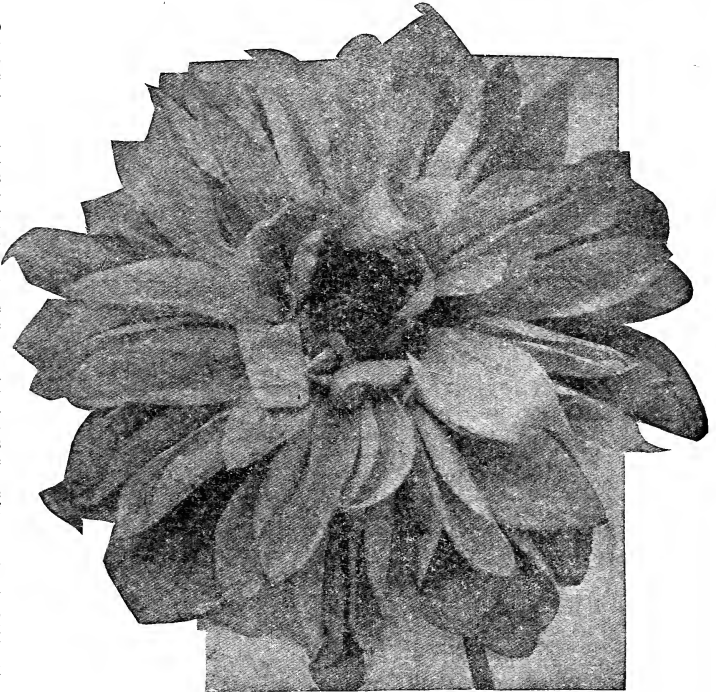
**ROYALTY.** This splendid aristocrat is appropriately named and few will deny it homage. It is of regal size and doubly regal in its Royal Purple coloring. Bulbs, each, 75c.

**OLYMPIC.** A prize winner among the dark, rich varieties. It is of splendid growth, producing immense flowers of fine form and great depth. Petals are incurved, color a rich, glorious crimson. Bulbs, each, 75c.

## EXTRA CHOICE NEW DECORATIVE DAHLIAS

These were originally classified as Cactus sorts, as the blooms resembled those of the Cactus plant, but as the previous type was developed this class was re-named Decorative.

**MINNIE BURGLE (Best Scarlet).** (See illustration.) This is a variety of highest distinction and particular merit. The illustration which we show on this page is not adequate to fully represent it and we would be much better pleased if we could show it to you in the full splendor of its vivid coloring, which is a rich, luminous, dark scarlet. It is regally borne on long, stiff stems. We do not hesitate to say that in the freedom of its blooming we have never seen superior, thirty



large, perfect, open flowers having been counted on one plant.

If you want to know what "Dahlia joy" means, plant this splendid specimen this season. Bulbs, 60c.

**MRS. DOUGLAS FLEMMING.** Another beautiful white dahlia of this type that competes for exhibition honors. It is very graceful in form with extra long, curling petubular petals. Bulbs, each, 75c.

**PHOENIX.** An excellent "fancy" that is pleasing to many. Of good habit and free flowering. Color, crimson daintly striped with lighter shade. Bulbs, each, 50c.

## SPECIAL OFFERS

**COLLECTION A.** We grow a quantity of excellent varieties not listed above. If you will state colors preferred and leave the selection to us, we will deliver 12 tubers, good named varieties, for \$2.00.

**COLLECTION B.** In handling many tubers are detached and many clumps loose their tags. These are high-class varieties, but are without labels. Twelve tubers of Collection B for \$1.50.



**GLADIOLUS.** These flowers of enchantment have, within the last few years, attained a popularity that is not to be wondered at when one considers the almost unrivalled success that has attended the efforts made for improving them both in size and in the variety of colorings, which now range from the daintiest pastel shades to the richest and most gorgeous colorings.

In their stateliness and beauty these wonder flowers are in a class by themselves and the easiness of their culture should give them a place in every garden.

**MRS. FRANCES KING.** One of the loveliest of Gladioli, possessing ideal forms in flower and spikes. The spike, rather slender, grows very tall and has a graceful waving habit; the immensely large flowers are wide open and from 6 to 10 show on a spike in full bloom at one time. The color is a glorious flaming pink with a blotch of a darker shade in the throat. A characteristic of this flower is its brilliant effect under artificial light. Large bulbs invariably produce a main stem with two branches, so that one can cut three stems from each plant. We are pleased to be in a position to offer these now at popular prices. Each, 10c; per doz., 75c.

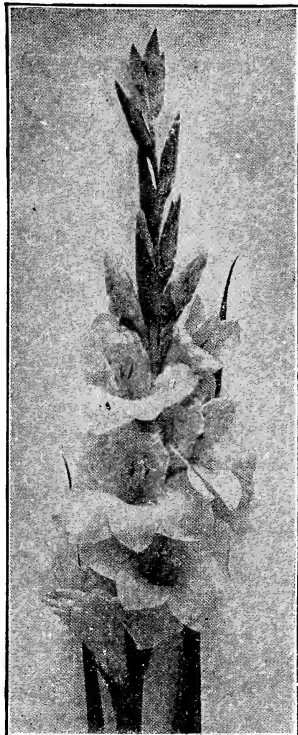
**NIAGEA.** A companion to **AMERICA**, which it resembles in form. The flowers are extra large and the color effect most unusual and delightful, being of a soft Nankeen yellow, with throat tinged pink and penciled carmine. Bulbs, each, 15c; doz., \$1.50.

**PRINCEPS.** The coloring is a golden crimson, enlivened below the throat by a large feathered blot, sprinkled with scarlet. Flowers are 5 to 6 inches broad; petals are very wide and round, forming almost circular flowers. Large bulbs, each, 10c; per doz., 75c.

**PANAMA.** The great popularity of the variety "America" is due particularly to the fact that this variety has so many qualities of commercial value, namely, a solid pleasing color, a straight spike, health and vigor, and the ability to produce a great number of the large flowers open at one time. For ten years it has been the most popular Gladiolus in the American market, and would be undisputed no doubt for the next ten years had there not appeared on the market "Panama," a seedling of "America," which is an exact counterpart of it in every feature except color. "Panama" in our estimation excels "America" in color, which is a most lovely shade of pink, that shade which we find in the popular rose "Mrs. John Laing." It is a color which pleases on sight, and, like a whirlwind, it has reaped the enthusiasm of the Gladiolus admirers all over the world. In London, England, they recognized in it a future prize winner and crowned it with an Award of Merit. In the United States it has been certificated in every large city. That its great value was recognized by every one is easily attested by the fact that notwithstanding a large quantity available for sale, and a fairly high price asked by the dealers, there were none to be found a month before planting time during the past season. The bulbs we offer are grown by ourselves, are unusually plump and heavy and must give the best of satisfaction. Bulbs, each, 15c; doz., \$1.50.

**PINK BEAUTY.** A brilliant dark pink with a distinct dark red blotch. Very fine and early. Each, 10c; doz., \$1.00.

**RUFFLED GLORY.** New type of Gladiolus with ruffled petals. Delicate pink crimson stripe. Each, 15c; doz., \$1.50.



AMERICA

**AMERICA.** This is conceded by many to be the most popular Gladiolus of the day. Its straight, stout stem, producing a great number of enormously large, wide-expanding flowers to open at one time, put this variety in the front rank for either garden effect or cutting. In coloring it is a beautiful, soft pink with a lavender sheen. Bulbs, each, 10c; doz., 75c.

**ANNIE WIGMAN.** A dainty and delightful variety. Pale sulphur yellow with small blotch. Bulbs, each, 10c; doz., 75c.

**BRENCHLEYENSIS.** An old variety and one of the most popular for massing because of its vivid coloring of bright vermilion. It has a great many flowers opening at once upon a stalk and a bed of them in full blossom is a sight to be long remembered. Bulbs, each, 10c; doz., 75c; 100, \$4.00.

**BARON HULOT.** A graceful spike, showing many flowers open at one time; color the richest deep violet. In arrangement with the yellow Gladioli this makes a stunning effect. Bulbs, each, 10c; doz., 75c.

**CHICAGO WHITE.** One of the smaller varieties, but has the advantage of having a great many flowers open at one time. Color, purest white with a slight pencil mark of violet in the center of each lower petal. Very early. Bulbs, each, 10c; doz., \$1.00.

**ELECTRA.** This variety has won prizes from the most distinguished floral societies in several European countries. The flowers are unusually large and the coloring a brilliant crimson. Bulbs, each, 10c; doz., 75c.

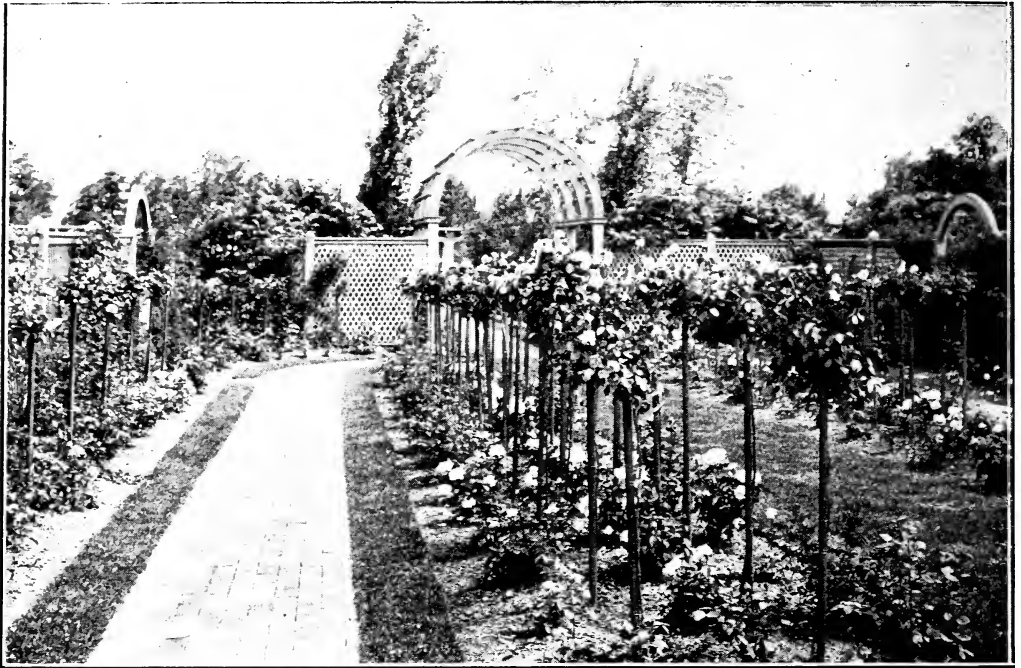
**EUROPA.** This, as its name implies, is one of the European gladioli and is conceded by experts to be, without exception, the finest of pure white varieties, as it hasn't even a trace of any other color on it and the flowers are very large. The stock is very difficult to obtain, as the demand is greater than the supply, but we have been very successful and can, we think, supply all of our patrons with this magnificent Gladiolus. Bulbs, each, 10c; doz., 75c.



FRANCIS KING



## HOW TO GROW ROSES



**LOCATION OF BEDS**—Roses should be planted where they will be open to sunlight for at least half of each day. In locating beds, avoid trees, shrubbery and shady sides of buildings and fences. This will lessen the danger from insects and diseases.

**SOIL**—Any good garden soil, which will grow good vegetables, will grow, with proper fertilization, fine Roses. The ideal soil is a clay loam of sufficient porosity to permit of ready drainage.

**PREPARATION OF BEDS**—The beds should not be so large that the Roses cannot be reached without treading on them. Long, narrow beds, with one continuous row of plants, are preferable. Spade the soil to a good depth, mixing in good fertilizer as you do so, and the richer the fertilizer the better results you will have. We manufacture a special rose fertilizer. Whale-bone meal is excellent.

**PLANTING**—Most varieties should be planted about 2½ feet apart, when the soil is in a nice, mellow condition. Spread the roots out well and press the soil down firmly. Plant slightly deeper than previously grown and give out good watering if weather is warm and dry.

**WATERING**—Most people water their Roses too much. Once a week is often enough and that early in the morning. Keep the soil mulched or cultivated around the bushes to prevent baking.

**MULCHING AND PROTECTION**—Only the tenderest varieties need any protection in this country. This can best be supplied by mulching the soil around the plants with a heavy application of cow manure, which should be spaded in the following spring. All plants should have this mulching.

**PRUNING**—Field-grown dormant Roses should be cut back severely when first set out. Subsequent prunings should be attended to in late winter and early spring, when all dead and weak growth should be removed entirely and the strong, live canes should be shortened back to one or two feet in length, according to the growth of the previous season. It may be accepted as a general rule that weak growth should be pruned severely and strong ones sparingly. Climbing Roses should not be cut back any more than is necessary to keep the plant in a shapely appearance.

**BEST TIME FOR PLANTING**—No question is asked more frequently than, "When is the best time to plant Roses?" Our dormant field-grown Roses can be planted any time that the soil can be worked, between October and April. Probably the best month is March. Most people plant in that month and with best results. Our small greenhouse-grown Roses should not be planted until a month later, when the soil has warmed up with the increasing strength of the sun's rays.

## INDEX TO "ABLING-BOYCE" ROSES

### ABBREVIATIONS

**T.—TEA**—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

**H. P.—HYBRID TEA**—Most of these are as free

flowering and as constant bloomers as the teas, and are hardier, but, as a rule, not so hardy as the H. P.'s. Many of our best roses are in this class.

Other appreciations that are often used are:  
**S.—Single; H. B.—Hybrid Briar; Wich.—Wichuriana; N.—Noisette; Poly.—Polyanthus; Fern.—Fernetiana; A. B.—Austrian Briar; R.—Rambler.**

Page.	Name.	Class.	Color.
62	Admiral Dewey	T.	Light flesh
62	American Beauty	H. P.	Deep crimson
62	Arthur R. Goodwin	Pern.	Coppery-orange red
62	Augustine Guinoisseau	H. T.	White
62	Autumn Tints	H. T.	Coppery-red
62	Avoca	H. T.	Deep scarlet crimson
62	Baby Rambler	Poly.	Pink
62	Beaute de Lyon	H. B.	Coral-red, yellow shadings
62	Belle Seibrecht	N.	Solid pink of richest shade
62	Bessy Brown	T.	Cream white
62	Betty	H. T.	Coppery-rose
62	Black Prince	H. P.	Dark, velvety crimson
62	Captain Hayward	H. P.	Glowing red shaded crimson
62	Cecil Brunner	Poly.	Pink
66	Chromatella	N.	Clear golden yellow
62	Coquette de Lyon	T.	Deep yellow
66	Climbing Cecil Brunner	Poly.	Dainty pink
67	Cl. Hermosa	H. P.	Pink
66	Cl. Kaiserine	N.	Pure white
66	Cl. Liberty	H. T.	Deep red
67	Cl. Papa Gontier	N.	Deep red
67	Cl. Pearl des Jardins	N.	Canary yellow
67	Cl. Richmond	H. T.	Vivid red
67	Cl. Testout	H. T.	Pink
66	Crimson Rambler	R.	Crimson
62	Dean Hole	H. T.	Silvery-carmine
62	Dorothy Page Roberts	H. T.	Coppery-pink, apricot shadings
66	Dorothy Perkins	R.	Shell pink
62	Dr. Grill	H. T.	Buff rose
62	Dr. Danner	H. P.	Intense saffron, stained crimson
62	Duchess of Wellington	H. P.	crimson
62	Earl of Warwick	H. P.	Soft salmon pink
62	Edward Mawley	H. P.	Rich, velvety crimson
62	Etoile de France	H. T.	Vivid crimson, darker shadings
62	Etoile de Lyon	T.	Rich golden yellow
62	Florence Pemberton	H. T.	Creamy white, suffused with pink
62	Pink Frau Karl Duschki	H. P.	Rose pink
62	Frau Karl Duschki	H. P.	Pure white
63	Gen. Jaquimot	H. P.	Brilliant scarlet crimson
63	Geo. Dickson	H. T.	Velvety blackish crim'n
63	Gen. McArthur	H. T.	Dazzling crim'n scarlet
66	Gloire de Margottin	N.	Brilliant red
66	Gloire D'Djon	N.	Buff with orange center
63	Gloire Lyonaise	H. P.	Chamois yellow passing to creamy white
63	Gruss & Teplitz	H. T.	Fiery crimson with velvety sheen
63	Harry Kirk	H. T.	Deep sulphur yellow
63	Hermosa	H. P.	Clear bright pink
67	Hiawatha	R.	Ruby crimson
63	His Majesty	H. T.	Rich crimson
63	Hugh Dickson	H. P.	Glowing crimson
63	Irish Fireflame	S.	Deep orange, splashed crimson
63	Irish Elegance	S.	Orange
63	Jean Note	H. P.	Pure white
63	Jonkbeer L'Mock	H. T.	Deep imperial pink
63	J. B. Clark	H. T.	Intense scarlet, shaded blackish
63	Jos. Hill	H. T.	Salmon pink, shaded yellow
63	Jubilee	H. P.	Pure deep red, shading to velvety maroon
63	Juliet	H. T.	Deep crimson
63	Kate Moulton	T.	Clear pink
63	Kaiserine Augusta Victoria	H. T.	Pearly white, lemon center
63	Killarney	H. T.	Deep shell pink, lightened with silvery pink
63	King George	H. T.	Blackish crimson
63	Lady Ashdown	H. T.	Soft rose shading to yellow
63	Lady Battersea	H. T.	Cherry crimson
67	Lady Gay	Wich.	Delicate cerise shading to softer tint
63	Lady Pierre	H. T.	Coppery-salmon
64	Lady Hillington	T.	Deep apricot yellow
64	Lady Ursula	H. T.	Flesh pink

Page.	Name.	Class.	Color.
63	LaFrance	H. T.	Silvery rose, changing to pink
63	Laurent Carle	H. T.	Brilliant carmine
64	La Tosca	H. T.	Silvery pink with deep-center
64	Le Progress	H. T.	Nankin yellow
64	Liberty	H. T.	Rich, velvety crimson
64	Louise Catherine Breslau	H. T.	Coral-pink shaded to chrome yellow
64	Lyon	H. T.	Coral-red, and salmon pink shaded to yellow
64	Mde. Abel Chatenay	H. T.	Rosy carmine
64	Mde. Alfred Carriere	N.	Rich creamy white
64	Mde. Cecil Brunner	Poly.	Soft rosy pink on creamy ground
64	Mde. Edouard Herriott	H. T.	Coral red shaded yellow
64	Mde. Leon Pain	H. T.	Orange with salmon center
64	Mde. Ravary	H. T.	Clear orange
64	Mde. Melain Soupert	H. T.	Salmon yellow suffused
62	Mlle. Francisca Kreuger	H. T.	Pink, buff shadings
64	Marie Van Hout	H. T.	Pale yellow
65	Magna Charta	H. P.	Bright, deep pink
64	Maman Cochet	T.	Deep rosy pink, inside petals silvery
64	Mildred Grant	H. T.	True pink, deeper at base of petals
65	Molly Sharman Crawford	T.	Creamy white
65	Mrs. Aaron Ward	T.	Indian yellow
65	Mrs. Arthur R. Waddell	H. T.	Delicate salmon with rosy sheen
65	Mrs. B. R. Cant	H. T.	Deep rose, inner petals silvery
65	Mrs. David McKee	H. T.	Perfect white
65	Mrs. Jno. Welsh	H. T.	True pink, deeper at base of petals
65	Mrs. Jno. Laing	H. P.	Rich satiny pink
65	Mrs. Peter Blair	H. P.	Rich satiny pink
65	Mrs. Sharman Crawford	H. P.	Deep rosy pink shading to flesh color
66	Moss Roses	Moss	Pink, white, red
67	Marechal Neil	N.	Pure yellow
66	Melody	H. T.	Deep saffron yellow, primrose edges
66	My Maryland	H. T.	Rose pink
65	Ophelia	H. T.	Orange salmon shading to silvery pink
65	Othello	H. T.	Maroon red, darker shadings
65	Paul Neyron	H. P.	Deep, shining rose
65	Papa Gontier	T.	Vivid cherry red
65	Pearle des Jardins	H. T.	Orange salmon, shading to dainty pink
66	Pierre Notting	T.	Apricot yellow, blended to coppery-yellow
65	Pres. Carnot	H. T.	Rosy flesh, lighter at end of petals
65	Prince de Bulgaria	H. T.	Silvery flesh, shaded salmon
65	Prince de Camille de Rohau	H. P.	Rich velvety crimson, shaded black
65	Rayon D'Or	Pern.	Golden yellow
67	Reine Marie Henretta	N.	Cherry red
67	Reve D'Or	Pern.	Apricot with orange tints
66	Radiance	H. T.	Rosy carmine
66	Rhea Reid	H. P.	Rich scarlet crimson
66	Rainbow	T.	Deep pink distinctly striped with crimson
66	Safrano	T.	Bright apricot, shaded orange
66	Soliel D'Or	H. B.	Orange yellow to redish gold
66	Sunburst	H. T.	Deep yellow, orange center
67	Tausendschon	S. R.	Soft pink
66	Testout	H. T.	Pink
66	Tree Roses	Tree	All colors
66	Ulrich Brunner	H. P.	Bright cherry red
66	White Maman Cochet	T.	White
66	Wm. Shean	H. T.	Purest pink
66	Willowmere	H. T.	Rich shrimp pink, shaded yellow
66	Winnie Davis	H. T.	Rich apricot pink, shading to flesh
67	Wm. A. Richardson	N.	Coppery yellow



## OUR 1917 VARIETIES OF ROSES

**AMERICAN BEAUTY.** (H. P.) One of the largest, sweetest and best; color rich rosy crimson, shaded and veined in the most charming manner. Each, 35c.

**AVOCA.** (H. T.) Deep scarlet crimson flowers of perfect form; very fragrant.

**AUGUSTINE (Guinoisseau; White La France).** (H. T.) Pure white, shading to a center of light rose. Each, 35c.

**AUTUMN TINTS.** Color, coppery red shaded with orange and salmon, medium size flowers, produced in great profusion throughout the summer and autumn; the growth is strong and branching, and the foliage a rich bronzy green, not liable to mildew. An exceedingly attractive bedding and decorative variety of similar coloring to Madame Edouard Herriot. Each, \$1.50.

**PINK.** (Mrs. W. Cutbush.) Similar in growth to the other Baby Ramblers, but with clusters of pretty double bright pink flowers; freely produced in panicles, always in bloom. Each, 35c.

**BEAUTE DE LYON (Hybrid Austrian Brier).** Forms a large, globular flower of splendid shape, of a coral red color shaded with yellow. Beautiful, large, rich, glossy foliage. Very desirable and free. Each, 50c.

**BLACK PRINCE (Hybrid Perpetual).** One of the finest Roses of its class. The color is dark velvety crimson, passing to intense maroon and shaded black. Each, 35c.

**ARTHUR R. GOODWIN.** (Pernet Ducher, 1909.) (A. B.) This is a genuine "Pernetiana," and is perfectly hardy everywhere. The color is coppery orange-red passing to salmon-pink as the flowers expand. A superb combination of color; flowers medium to large and full. Each, 60c; doz., \$5.00.

**ADMIRAL DEWEY.** A large, full Rose, with broad, heavy petals. Color light, flesh tint, shading to a blush in center. Well liked and popular variety. Choice two-year-old bushes, each, 35c; doz., \$3.50.

**BESSIE BROWN (Hybrid Tea).** Color, cream white, sometimes faintly flushed pink; flowers large and of shell shape. Free blooming and sweet scented. Choice two-year-old bushes, 35c; doz., \$3.50.

**BETTY.** A beautiful coppery rose color; over-spread with golden yellow; very large and fragrant. One of the best blooming roses in existence. Each, 35c; per doz., \$4.00.

**BRITISH QUEEN (McGredy).** White, of pure color, in the bud stage it shows a slight flush, which disappears as the bloom opens; flowers large, of fine form, growth vigorous and branching, very floriferous and sweetly fragrant. Each, 75c.

**CAPTAIN HAYWORD.** (H. P.) Immense flowers in great freedom, sweetly scented. Color deep glowing red shaded crimson. One of our finest red roses. Each, 35c.

**CECIL BRUNNER.** Everyone who ever saw Cecil Bruno regard it as the King of all Polyanthus Roses. Each, 35c; doz., \$3.50.

**COQUETTE DE LYON.** A very free-flowering, deep yellow Rose; handsome buds and flowers. Choice two-year-old bushes, each, 35c; doz., \$3.50.

**DEAN HOLE.** An exquisitely beautiful Rose of bright carmine pink color, with silver shadings and with the grandeur of American Beauty in form and foliage. Buds of extraordinary length, opening into a mammoth bloom of splendid substance. Continuous bloomer. Each, 35c; doz., \$3.50.

**DOROTHY PAGE ROBERTS.** A delightful blossom of coppery-pink, suffused with apricot shadings. Large petals, exquisite buds and flowers. Has won many prizes. Each, 35c; doz., \$3.50.

**DUTCHNESS OF WELLINGTON.** A grand Rose of the famous Killarney type, but of an entirely distinct color from any rose now in cultivation, it being of an intense saffron-yellow stained with crimson in the first stage, which, as the flowers develop, changes to a deep, coppery, saffron-yellow. The flowers, which are fairly full, resemble Killarney in shape, but the petals are larger and

of greater substance. Delightfully fragrant and very free-flowering. Each, 75c; doz., \$7.50.

**ROSE PINK, PINK FRAU KARL DRUSCKI.** This beautiful rose caused a sensation when first exhibited. A very vigorous grower of erect branching habit. Flowers beautiful tender rose, tinted yellow, large and full. On account of its size and color this variety will soon gain the same popularity as the famous Druschki. Each, 75c.

**DR. GRILL.** Clear buff pink, passing to rose



ROSE PINK

and fawn, elegantly suffused with pale canary yellow. A very fine variety for the garden. Each, 35c; doz., \$3.50.

**EDWARD MAWLEY.** (McGredy, 1917.) A rose with a delightfully velvety gloss on the petals, beautiful rich crimson, touched with maroon, which are large. Awarded a Gold Medal by the National Rose Society. Each, 50c; per doz., \$5.00.

**EARL OF WARWICK.** A soft salmon-pink Rose that does well in this locality. Free bloomer and very vigorous and strong. This is a distinct shade and one that will soon be very popular. Each, 50c.

**ETOILE DE FRANCE.** (Pernet Ducher, 1905.) Color vivid crimson with darker shadings, fine cupped form, very double and of large size. Each, 35c.

**ETOILE DE LYON.** (T.) Blooms freely and every flower is a gem, equaling the Marechal Neil in size. Sweet scented; color, rich golden yellow. Each, 35c.

**FLORENCE PEMBERTON.** (Alex. Dickson, 1903.) Creamy-white suffused pink; large, full, perfect in form with very high pointed center; very fine. Gold Medal, N. R. S. Each, 35c.

**FRAU KARL DRUSCKI.** There never has and we doubt if there ever will be a pure white Rose that will excel this, the queen of all white Roses. Each, 35c; doz., \$3.00.

**Mlle. FRANCISKA KRUGER.** A favorite Rose for the garden and the most satisfactory variety in its color. The coloring is strikingly handsome, a blending of deep yellow with copper yellow, pink and buff shadings. Fine buds and splendid flowers which remain in condition a long time. Each, 35c.



**ROSES—Continued**

**GEORGE DICKSON.** The color is velvety black scarlet crimson with brilliant scarlet reflexed tips. It is a rose that is always there, be the weather what it may. Produces huge blooms quite five inches across. The best red rose ever produced. Each, \$1.00.

**GENERAL McARTHUR.** Elegant scarlet sun-proof; keeps its color to perfection. Free bloomer. Each, 35c; doz., \$3.50.

**GENERAL JACQUEMINOT.** Bright shining crimson, very rich and velvety, exceedingly brilliant and handsome; makes magnificent buds and is highly esteemed as one of the best and most desirable for open ground. Each, 35c; doz., \$3.50

**GLORIE LYONNAISE.** White, tinted yellow; large, full and of good shape; very free, distinct and pleasing. Each, 35c.

**GRUSS AN TEPLITZ.** (Geschwindt, 1898.) Bright crimson white, fiery-red center; cup-shaped; semi-double; flowers in clusters; so free in bloom as to present a blaze of scarlet. Each, 35c; doz., \$3.50.

**HARRY KIRK.** Awarded Gold Medal by the National Rose Society of England. Deep sulphur yellow. Each, 35c; doz., \$3.50.

**HUGH DICKSON.** One of Hugh Dickson's best red roses. Simply a marvel of beauty. Each, 35c; doz., \$3.50.

**HIS MAJESTY.** (H. T.) A rich dark crimson, shaded deep vermilion; beautiful in bud and when full blown.

**HERMOSA.** A well-known old favorite double, bright pink; always in bloom. Strong two-year-old plants. Each, 50c.

**IRISH FIRE FLAME.** The flowers of this exquisite variety are single. The gorgeous superimposing of intense color gradations spontaneously conveys the idea of a flame. In the bud state it is deep orange splashed with crimson, which as the bud develops becomes fiery orange-crimson, changing to delicate orange in the fully opened flower. Deliciously fragrant. A grand Rose that should be in every garden. Awarded Gold Medal of the National Rose Society of London. Vigorous two-year-old plants, each, \$1.00.

**J. B. CLARK.** Outside petals old gold; center rich rose gold; very large, a full good keeper; blooms all the time. Very fragrant and a most beautiful Rose. Each, 50c; doz., \$4.00.

**JULIET.** Is without question the finest deep crimson Hybrid Tea Rose in cultivation and takes prizes wherever shown. Perfect bloomer. Each, 35c; per doz., \$4.00.

**JEANE NOTTE.** A strong, vigorous grower, producing buds and flowers of enormous size. Color, pure white. We have no hesitancy in saying that this Rose is unequaled by any other variety of its color. Two-year-old bushes, 35c; doz., \$3.50.

**KAISERINE AUGUSTA VICTORIA.** A strong, vigorous grower, producing buds and flowers of enormous size. Color, pure white. We have no hesitancy in saying that this Rose is unequaled by any other variety of its color.

**KILLARNEY.** (Alex. Dickson, 1898.) The finest Rose ever introduced. In coloring it is especial, being an exquisite shade of deep seashell-pink and flowers are of enormous size, the petals being two and one-half inches deep. Each, 35c; doz., \$3.50.

**KING GEORGE V.** The color is quite unique amongst Hybrid Tea Roses, being blackish-crimson with deep velvety-violet flush. A striking and brilliant color. The perfume is strong and pleasing. Strong growth; large foliage. Each, 50c.

**LADY ASHDOWN.** Unexcelled for cutting. Produces perfect blossoms of soft rose, shading to yellow at base of petal. Flowers are large, double, with high-pointed center, grown on long stems. Each, 35c; doz., \$3.50.

**LA FRANCE.** Perhaps no Rose is better known or more highly valued than La France. Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite and the sweetest of all roses. Each 35c; doz. \$3.50.

**LADY BATTERSEA (Red Niphotos).** (H. T.) Beautiful cherry-crimson; buds long and pointed, sweetest of all Roses. Each, 35c; doz., \$3.50.

**LAUENET CALE.** One of the finest brilliant carmine-colored roses we have ever seen. Flowers of immense size and substance, and of exceedingly perfect form. We have some extra fine stock of this and look for fine results. Each, 50c.

**LADY PIERCE.** A deep coppery, reddish salmon colored Rose, of fine growth; produces beautifully shaped buds on long stems and an exceedingly choice variety. Each, 50c.



**Dutchess of Wellington.** See page 62.

**JUBILEE.** (Henderson, 1898.) A pure crimson with shading of maroon; a grand Rose from every point of view. Each, 35c; doz., \$3.50.

**IRISH ELEGANS.** The largest and most beautiful of all single Roses; a great bloomer. Fine orange color, always in bloom and a great show in any garden. Each, 50c; doz., \$5.00.

**JONKEER L'MOCK.** A most sterling novelty. Flowers which are produced with the greatest freedom; are borne on stiff, erect stems; are large and of perfect form; color, a deep imperial pink; outside petals silvery rose and white, lightly perfumed. Each, 50c; doz., \$5.00.



**British Queen.** See page 62 for description.

## ROSES—Continued

**LADY URSULA.** (Dickson & Sons, 1908.) A truly magnificent Rose of vigorous, erect growth, possessing exceedingly free-blooming qualities. The foliage is large, massive and attractive. The flowers produced on every shoot are very large, full and of great substance and perfect form, with high centre, from which the petals gracefully reflex; in color a delightful shade of flesh pink, distinct from all others; delicately tea-scented. Each, 35c.

**LADY HILLINGTON.** Deep apricot yellow, very long, pointed buds and very free-flowering. Superb variety. Each, 50c; doz., \$5.00.

**LA TOSCA.** A beautiful silvery pink, deep center; very large perfect buds and flowers. Has taken many prizes. Each, 50c; doz., \$5.00.

**LE PROGRESS.** Nankin yellow, open to saffron yellow. Flowers large and full and erect stems. Fine bloomers and one that will always be a favorite. Each, 35c; doz., \$3.50.

**LIBERTY.** Rich, velvety-crimson, long, pointed bud; free-flowering. Each, 35c; doz., \$3.50.

**LOUIS CATHERINE BRESLAU.** Coral pink. A vigorous grower of robust constitution with fine, glossy green foliage. Large oval-shaped bud of coral tint, shaded with chrome yellow, cross between an unknown variety and Soleil d'Or. On account of its distinct coloring this variety will soon gain the same popularity as Lyon Rose, which it surpasses as regards hardiness. Each, 75c.

**MADAME CECIL BRUNNER.** (The Fairy or Sweetheart Rose.) A Polyantha variety with dainty double little flowers of perfect form, produced in many flowered graceful sprays; color a soft rosy-pink on a rich creamy-white ground. Each, 35c.

**MME. BAVOEY.** Should be in every collection on account of its distinct color, which is of a rich, deep nankeen-yellow, becoming lighter as the flower expands. The flowers are of splendid form, full, double and very fragrant. Each, 35c.

**MADAME LEON PAIN.** Handsome plum color foliage, orange yellow, salmon center; reverse bright red, yellow. A grand Rose. Each, 35c; doz., \$3.50.

**MAMAN COCHET.** One of the most beautiful Tea Roses, vigorous in growth with rich, heavy foliage and very large flowers on long stems. Color deep, rosy pink, inside of petals a silvery rose. Very double, exquisite bud or bloom.



**LYON.** No Rose has been introduced that has won more favor for the last two years than this grand Rose. No artist can describe its beauty—coral red and salmon pink, shaded with chrome yellow in center. Each, 35c; doz., \$3.50.

**MRS. JOS. E. WELSH.** A pink Rose of rare beauty and one which received a great deal of admiration at the last year shows. A true pink of fine shape, deeper at the base, petals long and narrow. Each, 50c.

**MME. EDOUARD HERRIOT** (The Daily Mail Rose). This variety gained great prominence in Europe as the "Daily Mail Rose." It is a wonderful rose, and one which we think will become very popular because of its wonderful freedom of bloom and fascinating color. The combination of color shown in the buds and flowers is distinct and charming. In the bud it is coral-red shaded with yellow at the base, the open flowers coral-red shaded with yellow and bright rosy-scarlet, passing to shrimp-red; flowers of medium size, well formed and not too full. A most vigorous grower, of a spreading, branching habit, with ample bronze-green foliage. Price, strong imported plants, each, \$1.00.

**MARIE VAN HOUTTE.** Of fine, faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine; occasionally the whole flower will be suffused with a light pink. Each, 35c; doz., \$3.50.

**MILDEED GRANT** (Alex. Dickson). Ivory white, with an occasional flush of pale peach. High pointed center with unusually large and massive petals, opening to perfectly formed flowers of enormous size and substance. Awarded the gold medal of N. R. S. It is a grand Rose. Each, 50c; doz., \$4.00.

**MME. ABEL CHATENAY.** One of the most popular Roses everywhere, both in the garden and as a cut flower, thousands of its beautiful buds being sold daily on the streets of London. It succeeds equally well here, is a strong grower and produces very freely beautiful flowers of carmine-rose, shaded with salmon. Each, 35c; doz., \$3.50.



**OTHELLO** A Hybrid Tea Rose of great promise. It is a strong and healthy grower and a constant and abundant bloomer. The color is a rich maroon-red with darker shadings at the base of the petals. Large well formed flowers on long stems. The perfume is strong and very pleasing. The foliage is a handsome, dark, glossy green; very ornamental. As a garden Rose it is a variety of exceptional merit, being perfectly hardy and immune from disease. Each, 50c.

**OPHELIA.** Salmon pink shaded with rose at the base. Flowers large and exceedingly well shaped, long bud opening to large, full flower; free bloomer. Each, 50c.

**PAPA GONTIER.** A magnificent red Rose; flowers are large and semi-double; a vivid cherry-red color, shaded yellow, reverse of petals crimson; free growing and flowering very profusely. One of the very best for open ground. No other red Tea Rose can compare with it. Each, 35c; doz \$3.50.



**MELAINE SOUPERT.**

**MELAINE SOUPERT.** The Rose that took the sweepstakes at the 1913 show. Fine, long bud, very large when opening, splendid keeper, and beautiful deep, green leavy foliage, with pinkish tint. Each, 50c; doz., \$5.00.

**MRS. ARTHUR ROBERT WADDELL.** A variety that meets with universal favor. A delicate soft rosy salmon, suffused with a golden sheen; free flowering. A Rose that should be in every collection. Each, 50c; doz., \$5.00.

**PAUL NEYRON.** Deep, shining Rose; double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence, and one of the most desirable for the garden. Each, 35c; doz., \$3.50.

**PEARL DESJARDENS.** Fine yellow Rose, but our experience for the last ten years has been that too many of the buds go blind and do not open to perfection. Each, 35c; doz., \$3.50.

**PRINCE DE BULGARIE.** Salmon pink, silvery flesh very delicately shaded with salmon, long bud opening to full cup-formed flowers; a distinct and very charming variety. Mark the prediction, "Prince de Bulgarie" will be in the forefront of all forcing roses. Each, 75c.

**PRESIDENT CARNOT.** A rosy flesh Rose and shaded with a lighter tint at the end of the petals. Flowers very large, both in bud and blossom. Very fine and fragrant. Each, 35c; doz., \$3.50.

**PRINCE CAMILLE DE ROHAN.** (H. P.) Very dark, rich, velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color. Each, 35c; doz., \$3.50.

**RAGON D'OR (Golden Rays).** Don't be without one or more. A gorgeous new golden-yellow Rose, vigorous and strong grower with glossy foliage. Not susceptible to mildew. Flowers large and of globular form. A show by itself in any garden. Each, 75c; doz., \$7.50.

**RICHMOND.** (H. T.) A splendid new American Rose of great merit. Strong in growth, splendid foliage and long stems. Color, a magnificent rich scarlet-crimson, the most vivid we have yet seen among ever-blooming roses. Is being grown largely by florists for cut flowers. Price, two-year-old plants, 50c.

**MRS. AARON WARD.** Color, Indian yellow. One of the finest of all yellow roses; very free bloomer. Each, 50c; doz., \$5.00.

**MRS. DAVIS MCKEE.** A perfect white Rose, resembling Kaiserin A. Victoria. Buds more pointed and open, more perfect; a grand bloomer. Each, 50c; doz., \$5.00.

**MRS. SHARMAN CRAWFORD.** Deep, rosy pink; outer petals shading to pale flesh color. One of the finest Roses in every way. Each, 35c; doz., \$3.50.

**MOLLY SHARMAN CRAWFORD.** While introduced as a Tea Rose, we have in our trials found it quite as hardy as the Hybrid-Tea varieties, and we therefore include it in collection as the best white everblooming. The flowers on first opening are creamy-white, becoming purer as they expand; they are large, full, double and delightfully fragrant, and are produced very freely and last a long time in good condition. Each, 35c.

**MRS. B. R. CANT.** This variety is remarkable for its robust habit and the profuse manner in which it blooms. The flowers are of medium size and of a beautiful deep rose color on the outer petals, quite red in some cases; while the inner petals are soft silvery-rose, buff at the base. A healthy grower, free bloomer. Each, 35c.

**MRS. JOHN LAING.** Rich satiny-pink, large and full; delicious fragrance. This fine variety cannot be too highly praised. For freedom of bloom it is unsurpassed in its class. Each, 35c.

**MAGNA CHARTA.** This fine, hardy Rose is distinguished alike for its vigorous, healthy constitution, freedom of bloom and handsome foliage. Flowers bright, deep pink, very large and fragrant. A popular Rose. Each, 35c.

**MY MARYLAND.** A grand cut flower bedding Rose, with the general habit and coloring of Killarney, but showing a more decided rose-pink. Good free-branching, clean-foliaged sort of the practical type, which gives flowers all the time. Each, 35c; doz., \$3.50.

**MELODY.** (H. T.) Intense deep saffron yellow with primrose edgés. Blooms are of medium size, very fragrant and freely produced. An excellent bedding and forcing variety. Each, 50c.

**JOSEPH HILL.** Fine salmon pink. Shaded to a coppery yellow, beautiful long, pointed bud. Each, 50c; doz., \$5.00.



## RADIANCE

This grand variety was introduced by us in 1909 and has attained first rank in this country and in Europe. "Radiance" is a seedling from "Cardinal," a brilliant rosy-carmine, displaying beautiful, rich and opaline pink tints in the open flower; the form is fine, largest size and full, with cupped petals. The bud is large, brilliant, radiant; the stems are long, buds and flowers borne erect on the strong stems, the foliage is abundant and of splendid substance, a dark, healthy green. It blooms constantly, delightfully fragrant and is so healthy that it may be said to be immune against disease. Add to these qualities that of hardiness and vigorous growth, then the grand qualities of this peerless Rose are plainly told.

**PIERRE NOTTING.** (Soupert & Notting, 1901.) Color apricot yellow blended with coppery-yellow; long bud opening to large, full flower. Gold medal, N. P. S. Each, 35c; doz., \$3.50.

**SAPRANO.** Bright apricot yellow, tinged orange and fawn. Valued highly for its beautiful buds. Very profuse in bloom and deliciously tea scented. Each, 35c; doz., \$3.50.

**SUNBURST.** Deep yellow with orange yellow center; large, full and beautifully formed flowers produced in great profusion. Very beautiful and the best of all Tea Roses. Each, 75c; doz., \$7.50.

**SOLEIL D'OR (Golden Sun).** The first of a new type and from which the wonderful Lyon Rose was developed. A perpetual bloomer, robust grower, brownish wood, foliage beautiful bright green and scented. Flowers very double, most beautiful when full blown, a superb color, varying from gold and orange yellow to reddish gold and shaded with nasturtium red. Delightfully fragrant. Each, 35c; doz., \$3.50.

**TESTOUT.** A favorite everywhere and a grand pink Rose. Each, 35c; doz., \$3.50.

**ULRICH BRUNNER.** This is really a magnificent Rose; extra large, boldflowers, full and globular; petals large and of a good substance; color rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer; one of the best for forcing. Each, 35c; doz., \$3.50.

**WINNIE DAVIS.** Rich apricot pink, shading to flesh color; has a beautifully formed bud and bloom. Blooms all the time and is a great favorite. Each, 35c; doz., \$3.50.

**WHITE MAMAN COCHET.** A splendid Rose; has all the good qualities of Maman Cochet, but is white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming Roses for bedding. Each, 35c; doz., \$3.50.

**WILLIAM SHEAN.** Purest pink, petals shell-shaped, four to five inches long; flowers of immense size and substance and of perfect form; free blooming and distinct. Gold Medal, N. R. S. You will have to travel a long way before you beat this Rose for the garden. Each, 75c.

**WILLOWMERE (Pernet-Ducher, 1914).** This splendid introduction is of a coral-red color, 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-pink towards the edges of the petals. It may be described as an advance on the Lyon Rose, which it much resembles. Each, 50c; doz., \$5.00.

**RAINBOW (Variegated).** Beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful. Each, 35c; doz., \$3.50.

**MOSS ROSES.** We offer three good sorts of these old-fashioned Roses—Elizabeth Rowe (pink), Mousseline (white), Luxemburg (red). Price, two-year-old plants, 35c each.

**RHEA REID.** (H. P.) A new American Rose which can best be described as being as red as a "Richmond," as large as an "American Beauty," with the fragrance of "La France," and blooms continuously, flowers being borne on long stems; very hardy and vigorous. Gold Medal Paris, 1908.

ALL 35c ROSES \$3.50 PER DOZEN.

## TREE OR STANDARD ROSES

Tree-shaped Roses are stately objects for lawns, standing as they do four and five feet high, with

large heads of growth at the top of their slender single stems. They flower quite as profusely as the bush Roses, and if anything the flowers are of finer quality. We grow only a few leading sorts in this form of culture, the best of which are the following: Madame Caroline Testout, Frau Karl Druschki, Hugh Dickson, J. E. Clark, Madame Abel Chatney, Glory de Dijon, La Progress. Price, \$1.00 to \$2.00 each, by express or freight.

## SUPERB COLLECTION OF CLIMBING ROSES

**CRIMSON RAMBLER.** Since the introduction of the Crimson Rambler, in 1894, this class of Roses has continued to gain in popularity. Many splendid new varieties, both in single and double-flowering forms, have been added during the past few years. The best and most distinct of these we offer on this and the following two pages.

Climbing Roses require no pruning in the spring beyond the cutting out of very old or dead wood and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July directly after they have finished flowering is beneficial. Cutting away at that time all old flowering wood will encourage a vigorous growth, which will give an abundance of flowers the following season.

**CLIMBING KAISERIN (Mrs. Robert Feary).** This is, without doubt, the grandest of all white climbing Roses. It is the first and only pure white, hardy, ever-blooming climbing Rose.

**CLIMBING LIBERTY.** Deep red; same as the well known Tea Rose; a strong climber and a fine bloomer.

**DOROTHY PERKINS.** This beautiful new Rambler is one of the finest pillar Roses. Its growth in a single season is wonderful. The foliage is glossy, green, the blossoms grow in immense clusters of 15 to 30, very double, crinkled, of shell pink color and possess very lasting qualities. Buds are very pretty, plants extremely hardy. Must be given plenty of room when planted.

**GLOIRE D'DIJON.** Buff with orange center, very large, very double and full. An early bloomer. Does well in any location.

**GLOIRE DE MARGOTTIN.** (H. P.) Brilliant shade of red; buds large and pointed; a free and continuous bloomer; a splendid pillar rose.

Two-year-old, 35c. 3 for \$1.00; extra strong plants, 50c, 3 for \$1.25.

**BELLE SIEBRECHT (E. T.).** A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner. A hardy, vigorous climber.

**CLIMBING CECIL BRUNNER.** Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud. A gem among climbing roses.

**CHROMATELLA (Cloth of Gold).** A clear golden yellow; large, very full and double, highly fragrant. Highly prized in the South for pillars and verandas. We have the true variety.

One of the varieties that improves upon acquaintance and is adapted to any locality; of rapid growth, will attain a height of 15 feet in a season. It flowers in trusses, measuring 9 inches from base and 7 across, fairly covering the vines from bottom to top.

## CLIMBING ROSES AND OTHER HARDY CLIMBING PLANTS

Of all the plants which Nature gives to man, perhaps there are none that add more to the grace and beauty of the house and garden than the Climbers.

How many an ugly wall and unsightly building has been made attractive by a quick-growing flowering vine, and stately gardens made into veritable places of enchantment by Wisteria and Jasmine covered arbors and pergolas?

Much more artistic to the beauty-loving eye is the little Rose-covered cottage than the cold, forbidding "stone front" unadorned and unbeautiful.

They are the joy of the landscape gardener and the merest amateur alike and it is impossible to obtain anything but a graceful effect with them, for they will arrange themselves, if not otherwise disposed of, wherever they are placed, and the result is invariably a bower of luxuriant beauty.

They have done more in The City Beautiful Movement that is sweeping over the country than can be easily estimated, and there are few neighborhoods that are not afflicted with one or more "eye-sores" that need the charitable covering that a beautiful vine can give.

All Climbing Roses, 50c each.

**MARECHAL NEIL.** One that everybody knows well, and nothing better, if located in a good spot.

**TAUSENDSCHON.** A wonderful new climber—very large single pink. Over three inches across. Free bloomer and a very hardy Rose. Each, 50c; doz., \$5.00.

**CLIMBING PAPA GONTIER.** (T.) A "native sport" from the favorite bush "Papa Gontier."

**PERLE DES JARDINS.** (T.) A clear, golden yellow, an indescribably rich and beautiful shade.

**REVE O'OR (Climbing Safrano).** Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.

**REINE MARIE HENRIETTA.** A strong, vigorous grower, flowers large, full and of fine form; color, glowing crimson, elegantly shaded. One of the best climbers.

**RICHMOND.** (H. T.) The most vivid of ever-blooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.

**WILLIAM A. RICHARDSON.** Color, rich coppery yellow, flushed with carmine. A very beautiful variety, having few equals.

**HIAWATHA.** There is no other climbing Rose so brilliant as Hiawatha. It must be seen to be appreciated. Its flowers are about 1½ inches across, and produced in long, pendulous sprays, with frequently from 40 to 50 flowers on a spray. In color it is brilliant; ruby-carmine, with a clear white eye and a mass of golden stamens—a glowing combination of colors, which can be seen at a great distance. The plant is of strong, vigorous growth, with bright green, glossy foliage, which is retained until late in fall.

**LADY GAY CLIMBING ROSE.** A most desirable variety of remarkable, vigorous growth, with flowers of a delicate cerise-pink, passing to soft-tinted pink. The effect of a plant in full bloom with the combination of the soft pink flowers, cherry-pink buds, and the deep green of the foliage is indeed charming.

**HERMOSA.** Pink; true to parent; good climber.

**MADAME ALFRED CARRIER.** The most vigorous white climbing Rose grown; free bloomer; doesn't mildew.

**CLIMBING TESTOUT.** Will do as well as the regular Testout, the one that everybody knows and has.

**CLEMATIS PANICULATA (New Sweet-Scented Japan Clematis).** A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy, green foliage. The flowers are of small size, pure white, borne in immense sheets, and of a most delicious and penetrating fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Price, 35c to 50c.

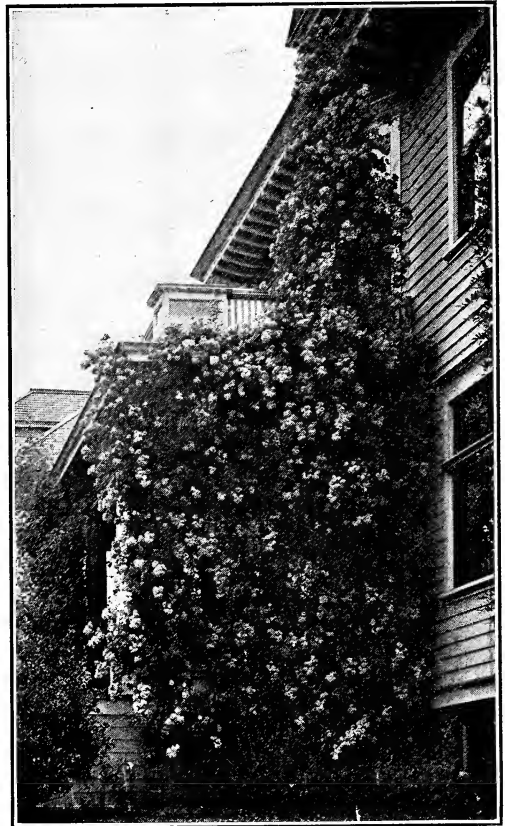
**VIRGINIA CREEPER (Ampelopsis, Quinquifolia).** The well known Virginia Creeper. Large two-year-old vines, 50c each; doz., \$3.50.

**EVERGREEN HONEYSUCKLE—CHINESE.** Sweet-scented white flowers; holds its foliage late. Two-year-old plants. Each, 50c.

**HONEYSUCKLE, HALLEANUM.** Two-year-old plants, 75c; extra heavy stock, \$1.00.

**WISTERIA SINENSIS BLUE.** A good, rapid growing, hardy climber. Lovely long panicles of

dark blue flowers, produced in the most wonderful profusion, often attaining a height of 50 feet or more. Two-year-old plants, 50c; extra heavy stock, \$1.00.



**JASMINE, OFFICINALLIS.** The hairy, white flower Jasmine; very sweet-scented. Each, 50c.

**HENRY.** Fine, large, creamy white flowers; a stronger grower and very hardy; 75c.

**JACKMAN.** Intense violet purple, with a rich variety appearance, distinctly veined; 75c.

**MADAME ED. ANDRE.** Wine red, without a touch of purple. Fine, free-growing variety. Price, 75c.

**IVY, ENGLISH.** Thick, leathery evergreen leaves. Price, 25c.

**BOSTON IVY (Ampelopsis, Veitchi).** The most vivid autumn tints, gold, purple and scarlet. Each, 35c to 50c.



## SHADE AND ORNAMENTAL TREES

Too much can hardly be said concerning the desirability of planting shade trees, but their value is so obvious that it should not be necessary to urge anyone who has the betterment of his own property, and the community in general, at heart. There is, however, often a sad habit of procrastination in this regard that every good citizen should make up his mind to overcome.

Every Arbor Day should see some planting of trees. Begin this year and let us send you those trees which will so improve your surroundings. We have only first-class, vigorous stock.



**SUGAR MAPLE (*A. saccharinum*).** A well known, large native tree, valuable both for the production of sugar and for its woods. Its stately growth, fine form and foliage make it desirable for the lawn and especially for street planting. 6 to 8 feet, 75c; 8 to 10 feet, \$1.00 to \$2.00.

**SILVER MAPLE (*A. dasycarpum*).** Well known native tree of very rapid growth. A most useful tree where immediate shade is wanted. Much used for street planting. 6 to 8 ft., \$1.00, to \$1.50.

**GENEVA PURPLE MAPLE.** A handsome variety, with dark purple foliage, holding its color all summer. The best purple leaved maple. \$1.50.

**NORWAY MAPLE (*A. platanoides*).** A large, handsome tree of spreading, rounded form, with broad, deep green foliage. Its compact habit, stout and vigorous growth make this one of the most desirable for park or street planting; 5 to 6 ft., 50c; 6 to 8 ft., 75c; 8 to 10 ft., \$1.00 to \$2.00.

**EUROPEAN MOUNTAIN ASH (*P. aucuparea*).** Similar to the American form, but with a more slender growth and bright scarlet berries. 5 to 6 ft., 75c. Specimen trees, 8 to 10 ft., \$1.00.

**ENGLISH WHITE BIRCH (*B. alba*).** A graceful tree with silvery white bark and slender branches. 6 to 8 ft., \$1.00 and \$1.50.

**AMERICAN ELM (*Ulmus Americana*).** (L.) This familiar tree, which arches many New England streets, grows well in other sections, its rapid growth and especial grace make it unsurpassed for urban and suburban planting. Each, 6 to 8 ft., \$1.00 to \$1.50.

**HONEY LOCUST (*G. triacanthus*).** A rapid growing tree with fern-like foliage and armed with powerful spines; used for hedges. 4 to 6 ft., 50c.

**LICUS (*Gleditchia* and *Robinia*), BLACK LOCUST (*R. pseudacacia*).** A native tree of very rapid growth, valuable for its timber and also very ornamental with its long, pendulous racemes of fragrant white flowers in June. 6 to 8 ft., 75c and \$1.00.

**LINDEN (*Tilia*), AMERICAN LINDEN OR BASSWOOD (*T. Americana*).** One of the largest and handsomest native shade trees, with a compact, round head and fine large foliage. Its handsome, fragrant flowers, produced early in summer, make the tree especially interesting as well as valuable. A fine tree for street planting and for the lawn. Fine strong trees, 6 to 8 ft., \$1.00; fine strong trees, 8 to 10 ft., \$1.50.

**ENGLISH ELM (*Ulmus campestris*).** (L.) Equally fine and imposing, and is just as useful as our native variety. Holds its leaves a longer time than the American sort. Each, \$1.50 to \$2.50.

**JAPANESE MAPLES.** A beautiful class of low-growing shrub-like trees, having brilliant colored leaves, which retain their brightness from spring until fall. Nothing finer than these can be had for planting, either in groups or singly on the lawn. Their dense, compact growth, graceful habit and rich-colored foliage make them favorites with all who see them. A large variety to select from. \$1.00 to \$2.50.



## MAGNOLIA GRANDIFLORA

Rare and choice small tree, of the highest ornamental merit. Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequaled in size and showy effect among hardy trees and shrubs. A magnificent evergreen, with large, leathery green leaves, more than a foot long; bears large, fragrant white flowers. \$1.00 to \$1.50.

## WEeping TREES

**WEeping BIRCH.** Cut leaved. 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.50.

**WEeping WILLOW (Kilmarnock).** A distinct variety, having reddish shoots and large foliage. They make a most desirable and graceful, drooping small tree for lawns. 6 ft. and two-year heads, each \$1.50.

## ENGLISH HAWTHORN

Rare and beautiful small trees for the lawn so well known as to need no description. The foliage alone is sufficient reason for the cultivation of these rare trees, added to which are the beautiful double flowers which appear in late spring.

**DOUBLE PINK.** Fine small tree for lawn planting, bearing in the spring beautiful umbels of pink flowers. \$1.00 to \$2.00.

**DOUBLE SCARLET.** Rich, brilliant scarlet flowers in large umbels. Always in bloom on Decoration Day. Very fine for lawn and cemetery planting. \$1.00, \$1.50 and \$2.50.

**DOUBLE WHITE.** Beautiful pure white flowers, in large umbels, late in the spring. Each, \$1.00.

**CATALPA SPECIOSUM.** Very large leaves; beautiful tree for lawn. Flowers in July. 6 to 8 ft. trees, each, \$1.00.

**BEECH.** A large and beautiful tree; dark green, glossy leaves. Each, \$1.00 and \$1.50.

**PURPLE BEECH.** A strong, vigorous grower of elegant habits; foliage dark purple. Each, \$1.00, \$1.50 to \$2.50.

**POPLAR (Caroline and Lombardi).** Each, 8 to 10 ft., \$1.00.

**SYCAMORE (Oriental Plane).** One of the finest trees for street or lawn; straight trunk and beautiful foliage. Strong trees, 8 to 10 ft., each \$2.00.

**TULIP TREE.** A rare, stately, rapid-growing tree; narrow, bright green leaves, turning yellow in autumn. Flowers yellow blotched with orange. Fine trees, 6 to 8 ft., each, \$1.00 and \$1.50.

**HORSE CHESTNUT.** Our well known and beautiful Horse Chestnut should be planted in every garden; white and red. 6 to 8 ft., each, \$1.00; 8 to 10 ft., each, \$2.00.

**SPANISH CHESTNUT.** A beautiful ornamental tree, grows a fine spreading crown; dark green thick leaf; very stocky. 4 to 6 ft., each, \$1.00 to \$2.00; 6 to 8 ft., each, \$2.00.

**AMERICAN SWEET CHESTNUT.** The fruit is very sweet and fine flavored, rather small but prolific and profitable. Large trees, 6 to 8 ft., each, \$1.00 to \$1.50.

**WALNUT (English).** Mayette is the finest walnut grown; true English stock; is grown very extensively and successfully on the Coast. 5 to 7 ft., each, \$1.00 to \$1.50.

**BUTTERNUT.** A beautiful growing tree; nuts large, rough shell, with sweet, rich, white kernels; large tree. 6 to 8 ft., \$1.00 to \$1.50.

## SPIREAS

Graceful shrubs every one should plant. They are of the easiest culture, and very desirable in collections, for they embrace such range of foliage, color of flowers and habit of growth.

**ANTHONY WATERS.** Covered nearly the whole growing season with large umbels of deep crimson flowers, which measure nearly a foot across. When scarcely three inches high it begins to bloom, and thereafter is seldom out of flowers. As a pot plant or for growing in the open ground nothing can equal it. Perfectly hardy. Each, 50c to \$1.00.

**PEUNIFOLIA (Bridal Wreath).** Slender erect growing variety, having beautiful colored foliage and bearing very early in the spring small double

white flowers the entire length of its branches. Very graceful habit. Each, 50c.

**SPIREAS, VAN HOUTTE.** The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. Each, 35c and 50c; doz., \$3.50 to \$5.00.

**PURPLE BARBERRY.** A pretty purple leaf shrub, bearing an abundance of yellow flowers in the spring. Each, 50c and 60c.

**BROOM (Genista).** Scotch Broom, very rapid growing; flowers bright yellow. Each, 25c and 50c.

**WHITE BROOM.** Flowers are white, blooms profusely in spring. Each, 50c and 75c.

**RED BROOM (New).** Flowers red and yellow, stems a reddish color; very fine. Each, \$1.00.

## PRUNUS PISSARDI

The purple-leaved plum of Japan; growing into a shapely small tree of much merit. Covered in the spring with clouds of white flowers, followed by leaves, which turn a beautiful bronzy purple color, remaining beautiful a long time. Each, \$1.00 to \$2.50.

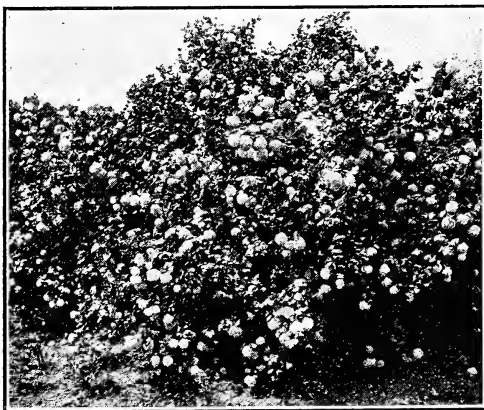
## DEUTZIAS

Small-flowered shrubs noted for their freedom of bloom and rapid growth. Through their blooming season entire limbs are thickly studded with flowers.

**GRACILLIS.** A low-growing, compact, bushy shrub, perfectly hardy; blooms early in spring; covered all over with pure white, bell-shaped flowers. Each, 50c.

## ALTHEA or ROSE of SHARON

**HIBISCUS SYRIACUS.** The Altheas are free-growing shrubs with various colors, usually double flowers, much sought after because of their blooming in August and September. Excellent for general use. Each, 60c.



## HYDRANGEAS

**PANICULATA GRANDIFLORA.** This is a grand shrub, easily grown, very showy and attractive, lasting in bloom for months. It is perfectly hardy everywhere and is, without any question, the finest hardy shrub in cultivation. It grows 3 or 4 feet high, is very bushy and compact. Blooms in July, at a time when no other shrub is in flower. The flowers are pure white, afterwards changing to pink, and remain beautiful until destroyed by frost. Each, 50c.

**HORTENSIA BLUE.** The Japanese Blue Hydrangea, always in great demand for lawn planting around Seattle, where its immense pyramids of blue flowers may be seen all summer long. Large two-year-old plants, each, 75c.

## EVERGREEN TREES, SHRUBS, ETC.



**ARBOR VITAE (Chinese Golden).** Very compact and regular in habit; the foliage assumes a beautiful golden tint in the spring. Choice plants, per ft., \$1.00.

**ARAUCARIA, IMBRICATA (Chile Pine or Monkey Tree).** Each, \$2.50 to \$15.00.

**CAMELLIA (Japonica).** Very beautiful, winter flowering evergreen; the handsome, shining dark green foliage and magnificent, wax-like flowers of various colors render them indispensable for the conservatory, and are well adapted for parlor or window culture; perfectly hardy in this climate, in the open ground, but should be planted in a shady place and protected first year. We have these in three colors—double white, pink and red; 1½ to 2 ft., each, \$1.00 to \$1.50; large plants, \$2.50 up.

**CEDRUS (Atlantica).** Three ft., each, \$1.50 to \$2.00.

**DEDORA, BLUE.** Two to 3 feet, \$2.00 to \$2.50.

**CYPRESS (Lawton's).** A beautiful tree, native of this state, with elegant drooping branches and very slender, feathery branchlets; 2 to 3 ft., each, \$1.00 to \$2.50; 4 to 5 ft., \$5.00.

**CRYPTOMERIA.** One of the finest evergreens of Japan; of both upright and drooping habit; foliage most needle-like, end of branches soft and flexible; \$2.50 to \$4.00.

**DAPHNE (Odora).** A very pretty early flowering shrub, producing pink flowers in March; 2 ft., each, \$2.50.

**HOLLY (Ilex).** Berry bearing plants, per ft., \$1.00; nice plants, \$2.50 to \$6.00; ordinary stock, per ft., 75c; nice plants, \$1.50 to \$3.00.

**GOLDEN MARGINED.** Leaves splashed with pale green, narrow but irregular, golden edge. Ft., \$2.00.

**HOLLY, SILVER MARGINED.** Leaves long, dark green, slightly mottled and with an irregular, narrowish silvery margin. Per ft., \$2.00 to \$2.50.

**JUNIPER, COMPACTA.** A dense, green, ever-growing shrub; may be trimmed into most any shape; grows about 6 to 7 ft. high; \$1.00 to \$5.00.

**IRISH.** A distinct and beautiful variety of erect, dense, conical outline and upright growth; short, glaucous green foliage; \$1.50 to \$5.00.

**LAUREL (English).** Single plants, 1 to 1½ ft., each, 60c; 2 to 3 ft., \$1.00; 4 to 6 ft., \$1.50 to \$2.50.

Write for prices in quantity for hedges.

**LAURUSTINUS.** 1 to 2 ft. and up, \$1.00 to \$1.50.

**RETINOSPORA (Plumosa Aurea).** A most beautiful variety, greenish golden yellow all through the year; compact; make the most beautiful show of any evergreen. 1½ to 2 ft., \$1.00; 2 to 4 ft., \$3.00 each.

**YEW, IRISH (Texas Hibernica).** Upright in form, foliage deep green; very compact; one of the most wonderful evergreens for lawns or groups. 1½ ft., \$1.00; 2 ft., \$1.50; 2 to 3 ft., \$3.50.

**SPRUCE (Colorado Blue).** No evergreen can excel the true blue Spruce. It is very hardy and will grow where other evergreens will fail. 1 to 1½ ft., \$1.50; 1½ to 2 ft., \$2.50; specimens, \$5.00 and \$10.00 each.

**BAY TREES.** The most beautiful plant grown. Standards and pyramids, \$7.50 to \$20.00 each.

**CATONAEASTER (Trailing).** A trailing evergreen shrub; round, thick, dark green leaves; flower pinkish white and after the blossom it is covered with bright red berries. Fine for rockeries. 35c to 75c each.



## FLOWERY SHRUBBERY

**BOX TREES.** The most hardy and also the most beautiful lawn trees grown. We import car-loads of them and other trees from Holland and have them in all shapes and sizes. Standards, 2 to 5 ft., 19 to 30 inch crown. \$3.50 to \$10.00 each; \$6.00 to \$18.00 per pair.

**BOX PYRAMIDS.** 1½ to 2 ft., \$2.50 each; 2 to 2½ ft., \$3.50 each; 2½ to 3 ft., \$5.00 to \$7.50 each.

**BOX PYRAMIDS.** Untrimmed, 1 to 4 ft., at \$1.50 to \$10.00 each.

Small box for hedging, \$4.00 per 100.

## HEDGE PLANTS

**BOX (Evergreen) DWARF COMMON.** Fine for borders, edgings or low hedges; 6-inch, each, 15c; per 100, \$10.00; large stock, trimmed bushes, each, 1 ft., \$1.00; 2 or 3 ft., \$2.00.

**PRIVET (Evergreen).** Our best hedge plants; 3-year-old plants, 1½ to 2 ft., each, 10c; per 50, \$2.50; per 100, \$5.00.

## FLOWERING SHRUBS

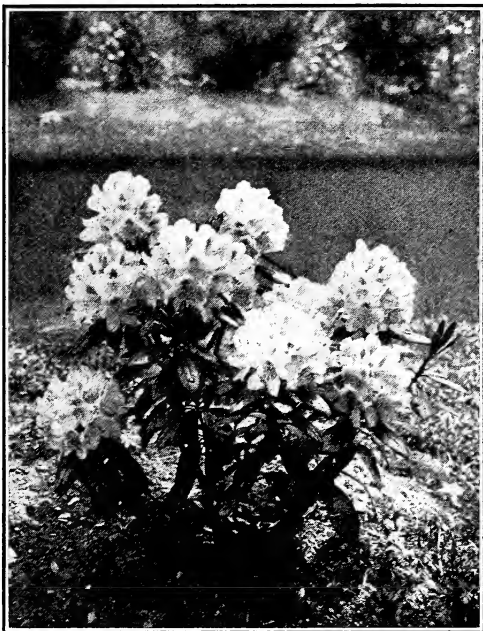
**WIEGELISS, EVA RATKA.** One of the most charming shrubs in cultivation. Cannot be too highly recommended. Lovely large blood-red flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Each, 75c.

**ROSEA VARIEGATED.** Leaves beautifully margined, creamy white. Handsome pink flowers in wonderful profusion. Each, 50c to 75c.

**ROSEA.** Lovely large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Strong two-year-old plants, 50c.

## AZALEAS

**NAZALEA MOLLIS.** We import them by the thousand from Holland and Japan. No flowering shrub makes as beautiful a show as the Azalea



**RHODODENDRON, WASHINGTON STATE FLOWER.**

in early spring and summer. Colors, red, pink, salmon, yellow, orange; plants full of buds. Each, 75c to \$1.25 and \$2.50.

**AZALEA PONTICA.** Colors same as above. All our Azaleas are named varieties and extra choice. Each, 75c to \$1.25.

**LILAC.** No place is complete without a lilac. Purple lilacs, 25c, 50c and 75c each; white lilacs, 50c, 75c and \$1.00 each; red lilacs, \$1.00 and \$1.50 each.

**JAPAN QUINCE.** Bright, scarlet flowers in great profusion. Fine, bright green foliage; very hardy. Each, 50c and 75c.

**JAPAN SNOWBALL (Var. plicatum).** One of the best ornamental shrubs, similar in habit to the preceding. It bears abundant white balls of bloom, that have a beautiful setting in the deep green leaves. When a single specimen is wanted there is nothing more attractive. Each, 75c; 10, \$6.00.

**OLD-FASHIONED SNOWBALL (Var. sterile).** The old-fashioned Snowball that grows almost anywhere and always flowers so abundantly. Each, 75c; 10, \$5.00.

**JAPANESE DOGWOOD.** A small ornamental shrub with pinkish flowers in summer. Each, 75c.

**EUONYMUS, GOLDEN.** A very fine evergreen shrub with golden variegated foliage; one of the prettiest shrubs for lawns or groups. Each, 75c and \$1.00.

**VERONICA (Variegated).** A silver leaved evergreen shrub, with a long feathery foliage; very showy in groups or rockery. Each, 50c and 75c.

**PURPLE FRINGE OR SMOKE TREE.** A very pretty shrub for lawns. Each, 50c.

**RHODODENDRON.** Grafted varieties, magnificent June and July flowering, evergreen shrubs, the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance, and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson. Choice plants, 1½ to 2 feet, and according to number of buds; 8 to 20 buds, \$1.25 to \$2.50 each. Special prices on large orders.

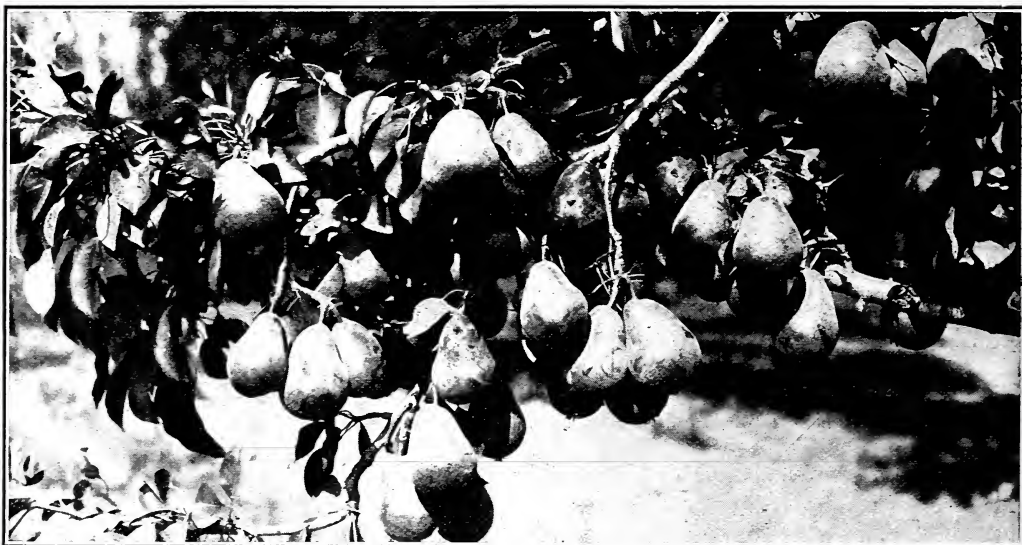


**JAPAN SNOWBALL.**



## FRUIT TREES, SMALL FRUITS, GRAPEVINES, STRAWBERRIES, ETC.

Do you know the secret of growing big crops of large, luscious fruit? To be successful you must, above all things, start right. Get large, strong, healthy, standard-sized stock. This applies to small fruits, just as much as it does to Apple, Cherry, Peach, Pear, Plum Trees, etc. Our principal stocks of fruit trees, small fruits, etc., embrace only those varieties which have been well proved, and can be recommended as the best now in cultivation. We cannot attempt to give complete directions on all points connected with tree planting, but simply a few hints on the more important operations. Transplanting to be considered under the following heads:



**BUERRE DE ANJOU PEAR**

### THE PREPARATION OF THE SOIL

For fruit trees soil should be dry, either natural or made so by thorough drainage, as they will not live or thrive on a soil constantly saturated with stagnant moisture. It should also be well prepared. On new, fresh lands, manuring will be unnecessary, but on land exhausted by cropping fertilizers must be applied, either by turning in heavy crops of clover, or well decomposed manure or compost. To insure a good growth of fruit trees, land should be in as good condition as for a crop of wheat, corn or potatoes.

### THE PREPARATION OF THE TREES

In regard to this important operation, there are more fatal errors committed than in any other. As a general thing trees are planted in the ground precisely as they are sent from the nursery. In moving a tree, no matter how carefully it may be done, a portion of the roots are broken and destroyed and consequently the balance that existed in the structure of the tree deranged. This must be restored by proper pruning, adapted to the size, form and condition of the tree as follows:

#### STANDARD ORCHARD TREES

These, as sent from the nursery, vary from 4 to 6 feet in height, with naked stems or trunks and a number of branches at the top forming a head. These branches should all be cut back to within three or four buds of their base. This lessens the demand upon the roots, and enables the remaining buds to push with vigor. Cut off smoothly all bruised or broken roots up to the sound wood. In case of older trees of extra size, the pruning must be in proportion; as a general thing it will be safe to shorten all the previous year's shoots to three or four buds at their base, and where the branches are very numerous some may be cut entirely.

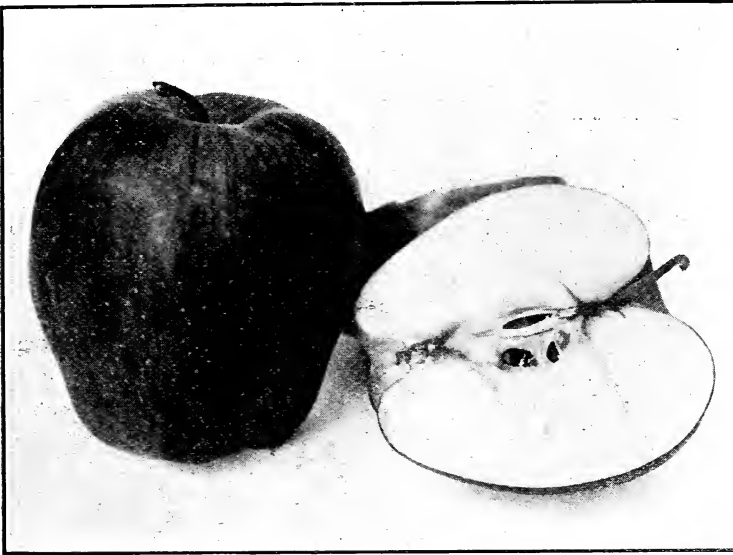
**STAKING.** If trees are tall and much exposed to the wind, a stake should be planted with the tree to which it should be tied in such a manner as to avoid chafing. A piece of matting or cloth may be put between the tree and the stake.

**MULCHING.** When the tree is planted, throw around it as far as the roots extend, and a foot beyond, five or six inches deep, rough manure or litter. This is particularly necessary in dry ground, and is highly advantageous everywhere, both in spring and fall planting. It prevents the ground from baking or cracking, and maintains an equal temperature about the roots.

**AFTER-CULTURE.** The grass should not be allowed to grow around young trees after being planted, as it stunts their growth. The ground should be kept loose and clean around them until, at least, they are of bearing size.

## APPLES

Two-year-old, each, 35c; 10, \$2.00; 100, \$18.00.  
Select, 2 to 3 years old, each, 50c; 10, \$4.00; 100,  
\$30.00.



### Summer Varieties

**RED ASTRACHAN.** Large, deep crimson, flesh white, moderately juicy with an agreeable rich acid flavor; very productive.

**YELLOW TRANSPARENT.** Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good.

### Autumn Varieties

**FRAMEUSE (Snow Apple).** Medium, roundish; greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; very juicy.

**GRAVENSTEIN.** Large, beautifully dashed with deep red orange; tender and crisp, with a highly aromatic flavor; tree very vigorous.

**RHODE ISLAND GREENING.** Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table.

**ROMAN BEAUTY.** Large red apple, deep colored; a fine tasting one.

**SPITZENBERG.** Large, oblong; yellowish ground with broken stripes of bright red; flesh yellow, juicy with a delicious, rich flavor.

**STAYMAN WINESAP.** Medium; yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider.

**WAGNER.** A good keeping late variety; one of the best for this locality.

**WINESAP.** Medium; yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider.

**WINTER BANANA.** Winter; yellow, blush cheek; sub-acid; medium size.

**WEALTHY.** Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy.

**YELLOW BELLFLOWER.** Deep, yellow, highly flavored.

**YELLOW NEWTON PIPPIN.** Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

### CRAB APPLES

**FLORENCE HYSLOP.** Yellow and red Siberian and Transcendant. Each, 35c.

### Winter Varieties

**ARKANSAS BLACK.** deep velvety red; juicy and well flavored.

**BALDWIN.** Large, rounded; deep bright red; very productive; one of the best and most popular winter apples.

**DELICIOUS.** Red shaded, yellow, and as the name implies.

**DUTCHESS.** A fine late variety; does well.

**GRIMES GOLDEN.** A late yellow apple; a good keeper.

**JONATHAN.** Medium conical; brilliant, covered with red stripes; tender and juicy; excellent for table or market.

**KING OF TOMPKINS COUNTY.** Very large, globular; yellowish, shaded with red; flesh yellow, rather coarse, juicy; rich flavor.

**NORTHERN SPY.** Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.



## CHERRIES

Two-year-old, each, 50c; 10, \$4.50.

**KENTISH.** Best acid cherries and unsurpassed for cooking purposes; very productive.

**LAMBERT.** Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks earlier than Royal Anne.

**MAY DUKE.** Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety and one of the earliest of its class.

**BLACK REPUBLICAN.** Very early; fine flavor, and good producer.

**BLACK TARTARIAN.** Late, large, black; good seller; fine growing tree.

**EARLY RICHMOND.** The finest sour pie cherry grown.

**ENGLISH MORELLO.** The old flavored English pie cherry; best for preserves.

**ROYAL ANN.** Sweet; light red; June and July.

## APRICOTS

**MOORPARK.** Very large, yellowish green, brownish red on sunny side; flesh bright orange; fine for canning and drying, freestone. Each, 50c to 75c.

**ROYAL.** Above medium size; sweet, rich and juicy. Each, 50c to 75c.

**BLENHHEIM.** Extra fine. Each, 75c.

## PEARS

Two-year-old. Each, 50c.

Select, 2 or 3-year-old stock. Each, 75c to \$1.00.

### Fall and Winter Varieties

**BEURRE CLAIRGEAU.** Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy.

**FALL BUTTER.** A favorite fall pear; yellow, sweet and juicy.

**LOUISE BONNE DE JERSEY.** Large, greenish yellow; brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific.

**BUERRE D'ANJOU.** Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps until Christmas. September.

**WINTER NELLIS.**

**WINTER BARTLETT.**

### Summer Varieties

**BARTLETT, SECKEL**

## PLUMS

Two-year-old.

Select, 2 to 3 years old, each, 50c.

**BRADSHAW.** Reddish purple, juicy and pleasant; adheres partially to the stone.

**COLUMBIA.** Large size, nearly globular; brownish purple; rich, sugary, freestone.

**DAMSON.** Small, oval; skin purple; flesh melting, rather tart.

**GREEN GAGE.** Small, round; flesh pale green, melting and juicy; freestone.

**PEACH.** Very large; skin brownish red; slightly coarse grained but juicy; freestone; very popular.

**YELLOW EGG.** Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy.

## PRUNES

**HUNGARIAN.**

**ITALIAN** (Fillenberg).

**PETITE** (French).

**SILVER SUGAR** (New).

Two years old, each, 35c.

Select, 2 and 3 years old, each, 50c.

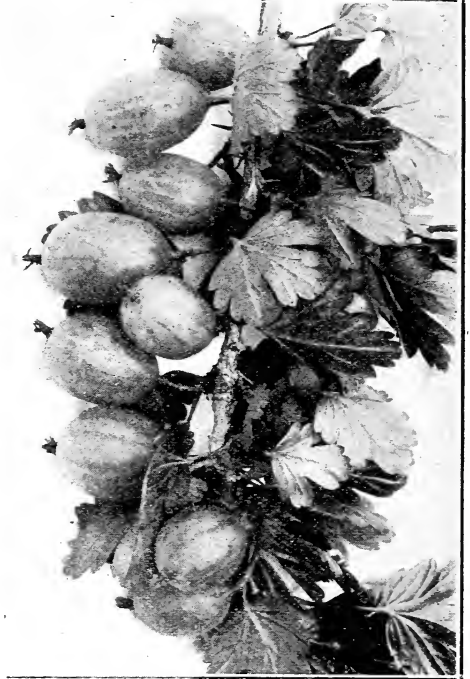
**QUINCE, CHAMPION ORANGE.** Two-year-old, 75c; 10, \$6.00.

## PEACHES

Two-year-old, each, 35c to 50c.

**EARLY CRAWFORD.** Very large yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone.

**ELBERTA.** Very large, bright, yellow, red cheek; flesh yellow, juicy, sweet, regular bearer; fruit very showy and perfect; freestone.



## GOOSEBERRIES

Two years old, each, 10c; 10, \$1.00; 100, \$6.00.

Large, selected bushes, each, 15c; doz, \$1.50.

**OREGON CHAMPION.** Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

**RED JACKET JOSSELYN.** Of large size, smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage. Prices, each, 25c; per doz, \$2.50.

**INDUSTRY.** Large oval; dark red, hairy; rich and agreeable; vigorous and productive. Prices, each, 30c; per doz., \$2.50.

**PEARL.** Very large yellowish green. One of the finest European berries. For eating ripe they are delicious. No garden should be without a few bushes. Each, 25c; doz for \$2.50.

## BURBANK'S PHENOMENAL

**A NEW BERRY.** Mr Burbank's latest triumph. It is a cross between the "Improved California Dewberry" and the "Cuthbert Raspberry." Takes its color and flavor from the latter and size and shape from the former. Prices: Two years old, 25c each; \$2.90 per 10; \$15.00 per 100.

## LOGANBERRY

**(Raspberry-Blackberry.)** This comparatively new berry is becoming more popular each year. An exceedingly strong grower and an enormous bearer. Prices: Two years old, 15c each; \$1.25 per 10; \$10.00 per 100.

One-year-old (tips), 10c each; \$1.00 per 10; \$7.50 per 100.



## CURRENTS

One-year-old, each, 10c; 10, 75c; 100, \$6.00.

Extra large selected bushes, each, 25c.

**FAY'S PROLIFIC.** A new currant which has well sustained the claims of its disseminator; it is larger than the cherry, has less acid and is much more prolific.

**VICTORIA.** Large, bright red bunches, very long; an erect grower, late, productive and very valuable.

**NEW VARIETIES.** Perfection, each, 25c; doz., \$2.50.

**BLACK NAPLES.** Very large, black; valuable for jams and jellies.

**CHERRY.** Very large; deep red; fine for preserving; valuable market variety.

**WHITE GRAPE.** Best white variety.

## GRAPES

Extra large and strong roots, 25c each; per doz., \$2.00.

**CONCORD.** Large, purple, bright bunches, very long; an erect grower; late, productive and very valuable.

**MOORE'S DIAMOND.** Delicate, greenish-white, with rich yellow tinge. Prolific, early and hardy. Of fine quality.

**MOORE'S EARLY.** Bunch medium; berry large, resembling Concord, but more pulp, and is earlier.



CURRENTS.

## RASPBERRIES

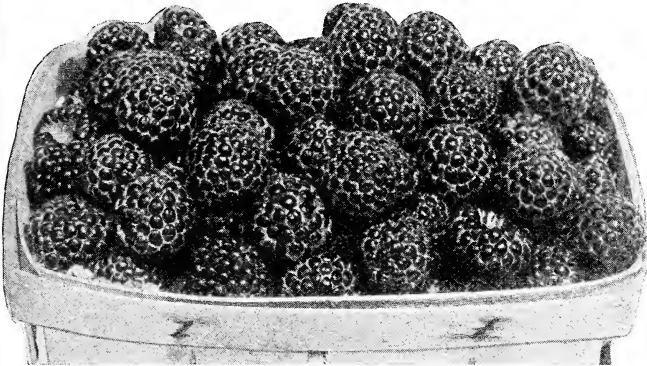
**GREGG (Black).** Best late black-cap, market favorite. Canes strong, productive; berries large, covered with bloom; firm, meaty and fine flavor. Per doz., \$1.00; 100, \$7.00.

**CUTHBERT, or QUEEN OF THE MARKET.** A remarkably strong, hardy red variety. Berries large, conical, rich crimson; flavor sweet, rich and delicious. Doz., 60c; 100, \$3.50.

**MARLBORO.** Fruit of largest size, bright scarlet, excellent flavor. Good shipper, heavy canes, early and hardy. Doz., 75c; per 100, \$6.00.

**SUPERLATIVE.** A comparatively new red berry, probably the largest and best grown. Fruit large and solid, core small, quality extra; very productive. Doz., \$1.50; 100, \$10.00.

We also supply other varieties, such as Kansas, Red Antwerp, etc. Doz., 50c; 100, \$4.00.



CUTHBERT, or QUEEN OF THE MARKET

## SUPERIOR FRUIT, HOP AND VEGETABLE FERTILIZERS

**INCREASES QUANTITY AND SIZE AND IMPROVES QUALITY AND COLOR OF FRUIT AND VEGETABLES.**

Guaranteed Analysis: Nitrogen, 50%; Phosphoric Acid, 10%.

If you want extra fine, large fruit and quantities of it from your berry vines, currant bushes, etc., use **SUPERIOR FRUIT, HOP AND VEGETABLE FERTILIZER.**

It is a strictly high-grade, highly concentrated fertilizer, in the form of a dry powder, free from objectionable odor, and is composed of the most suitable materials in the correct proportion to be of the greatest benefit.

One hundred pounds of fertilizer contains more fertilizing value than a ton of stable manure, and it is usually cheaper, especially when labor is considered. It is in no way offensive, and is easy to apply.

It does not contain any weed seeds. The greatest fault of stable manure is the great amount of weed seeds which it contains, and they are distributed under such conditions that they cannot fail to thrive.

**SUPERIOR FRUIT, HOP AND VEGETABLE FERTILIZER** is usually applied at the rate of five hundred to one thousand pounds per acre, but the amount should be governed by the nature of the crop and the requirements of the soil. Much larger quantities could be used without any harmful results.

Prices: 25 lbs., 75c; 100 lbs., \$2.35; ton, \$42.00; F. O. B. Seattle or Portland.

**EVERY GROWER OF SMALL FRUITS SHOULD HAVE THIS HELPFUL, PRACTICAL BOOK**

## BUSH FRUITS

**A Horticultural Monograph of Raspberries, Blackberries, Dewberries, Currants, Gooseberries and other Shrub-like Fruits.** By Prof. Fred W. Card. New edition. Illustrated. Cloth. 12mo., \$1.50.

The aim of this book is two-fold—to give all necessary instruction on the cultivation of the bush-fruits, and to provide a cyclopedia of reference to varieties, species, insects and diseases.



We list only tested varieties in trees and small fruits. They have been proved suitable and profitable for this locality.

## BLACKBERRIES

**LAWTON.** Each, 10c; per 10, 75c; per 100, \$6.00.  
**EVERGREEN.** Each, 10c; per 10, 75c; per 100, \$6.00.

**KITTATINNY.** Price, each, 15c; per 10, \$1.25; per 100, \$8.00.

**NEW MAMMOTH.** New variety; are very choice. Two years old, each, 25c; 10 for \$2.00.

**HIMALAYA, or EVER-BEARING.** A remarkable berry, producing immense crops of exceedingly large, sweet, juicy berries, with a delicious aromatic flavor. The plant is a rampant grower, single canes often making a growth of fifty feet in one season. The berries are produced in immense clusters, beginning to ripen in July and continuing until winter. The original plants were brought from the Himalaya Mountains, where they have been grown for many centuries, and the severe climate has made them unusually hardy, enabling them to withstand extremes of cold, heat and drought. Each, 25c; 10 for \$2.00.

## STRAWBERRY PLANTS

**CULTIVATION.** When the plants begin to spread and the roots to extend, care should be taken that the roots be not injured by the cultivator, and our plan is to shorten the cultivator teeth that run next the plants by about two inches. When hus shortened the teeth will go sufficiently deep to break the crust near the plants without danger of cutting the roots of the plants. About two times a month we run the five-tooth cultivator through the center of the space between the rows, stirring the soil to a depth of four or five inches. This loosens up the soil where the horse has tramped it down when doing the shallow cultivation.

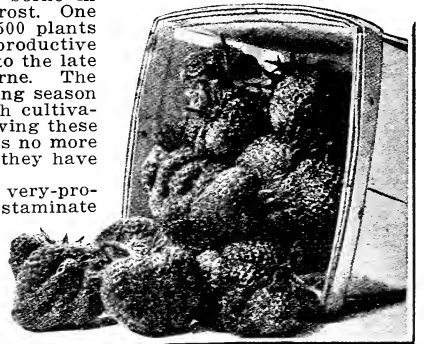
One very important practice you should adopt whether your last cultivation be early or late; be sure before stopping the work to make a furrow four or five inches deep down the center of the space between the rows of plants, so that all surplus water from rains or melting snows may have immediate outlet. This will prevent its settling about the crowns.

### PRICE LIST OF PLANTS.

	By Mail, Postpaid.		By Express or Frt. Packed In.	
	Dozen	100	100	1000
Magoon .....	\$0.25	\$1.00	\$0.60	\$4.50
Marshall .....	.35	1.25	.75	6.00
Clark's Seedlings .....	.25	1.00	.60	4.50
Progressive .....	1.00	.....	.....	.....

**FALL-FRUITING STRAWBERRY.** While they will produce fruit at the same season as the ordinary strawberries and keep on bearing until frost, yet to get the best results the blossoms should be kept cut off until August 1st so as to conserve the energies of the plants for the fall crop. Treated in that way ripe fruit will be borne in about three weeks after that date and continuously until frost. One grower by that method gathered nearly 400 quarts from 500 plants set out in the spring; a splendid demonstration of their productive power. The quality is superb, the size is good, but not up to the late June berries, because of the season at which they are borne. The plants must not be allowed to suffer for water in the fruiting season and a mulch will be found to be of great advantage. High cultivation is essential for the best results in all crops and in growing these strawberries a little extra attention will pay well. There is no more trouble to grow them than the ordinary strawberries, but they have to be attended to in proper season.

**PROGRESSIVE.** A splendid grower, healthy and hardy, very-productive. The plant is of medium size, the blossom strongly staminate and very resistant to heat. Both blossoms and fruit are well protected by the strong, healthy foliage. The fruit is rich and sweet; a deep red inside and out; of good medium size with a slight neck and quite firm. Plants set in August and September fruit the next spring and on the new runners from July until frost. Spring set plants fruit the same year they are set out.





**STUDY THE NEEDS OF YOUR SOIL AND FEED IT SCIENTIFICALLY; IT IS JUST AS IMPORTANT AND YIELDS THE SAME RESULTS AS FEEDING YOUR STOCK.**

## HIGH GRADE FERTILIZERS AND LAWN DRESSINGS

These fertilizers contain in a concentrated form the necessary proportions that different plants require to produce fine flowers and vegetables. By adding what the ground needs, you are assured of fine results, and your labor and expenditures are repaid several times over. Different flowers and vegetables require different fertilizers. If our list does not mention your requirements we will be pleased to advise you fully. Owing to the fact that it is impossible to obtain potash in any form, we are increasing the amount of nitrate and phosphate, thus helping out the part which is wanting.

### Superior Odorless Lawn and Rose Fertilizer

Very quick acting. Fertilized by the State Chemist.  
**PRICE:**

5-lb. pkg. ....	\$0.25
10-lb. sack .....	.40
25-lb. sack .....	.75
50-lb. sack .....	1.35
100-lb. sack .....	2.50

The constant mowing of the lawn and removing of the cuttings removes large quantities of the nourishment of the soil. This has to be replaced. If you desire the lawn to have the rich green coloring and assure yourself of a lawn the year around our Superior Lawn Fertilizer should be used at least once a year. It should be scattered broadcast during the early spring, to obtain the best results, although it can be used during the fall or winter. About 50 lbs. to 1,000 square feet. It is odorless and there is no possibility of putting weed seed into your lawn.

**ALASKA WHALE FERTILIZER.** (Nitrogen 8.96%, Phosphoric Acid 28.23%.) A balanced fertilizer especially adapted for vegetable and flower gardens. It is made from the entire carcass of the Alaska whale after the oil has been extracted and is far superior to any other fish fertilizer. It produces wonderful results when used in the orchard or around berry bushes. From 6 to 10 pounds applied to a bearing fruit trees is sufficient and the results produced are marvelous.

100-lb. sack, \$3.50.

**BONE MEAL.** (Nitrogen 3%, Phosphoric Acid 15%.) Decomposes slowly in the soil and is therefore an excellent permanent fertilizer. Fine for top dressing on lawns on account of its lasting qualities. Five pounds placed whole before planting rose bushes will produce great results. Our bone meal is made from fresh bones, and has not lost any of its value. The quantity to use depends entirely upon the purpose for which it is used. Light applications are beneficial, but for permanent work, such as forming soil for lawns, rose beds, etc., it should be used in very large quantities, the more the better. 100-lb. sack, \$3.00.

**BLOOD AND BONE.** (Nitrogen 4%, Phosphoric Acid 12%.) Is quick acting and on account of its richness in nitrogen and phosphate is a very desirable fertilizer. Best used around roses just before exhibition time. An animal fertilizer, rich in nitrogen and phosphoric acid, and having additional value on account of a certain warmth and vitality which it imparts to the soil. It is a quick acting fertilizer, and for that reason it is for some purposes more valuable than bone meal, although the effect is not so lasting. It should not be applied a great length of time before the seed is planted, and may be used as a top-dressing. It is usually applied at the rate of 500 to 1,000 lbs. per acre. 100 lbs., \$3.00.

**EVERGREEN BRAN.** A fertilizer especially put up for potted plants. Revives and furnishes a plant food. ½ lb., 30c.

**NITRATE OF SODA.** (Nitrogen 13%.) Contains 13% or more of nitrogen in quickly available form, and is generally used as a top-dressing. It is seldom advisable to apply it on the soil before the seed is sown, for the reason that all the benefits will be had from it within two or three weeks, and if the plants are not ready to make use of all the plant food some of it will be lost.

It is best applied in several light applications of about 150 lbs. each per acre, at intervals of two or three weeks, during the early growing season. If applied too late, the plants will continue to grow foliage, and maturity will be retarded. It is used for forcing such crops as lettuce, celery, radishes, etc., requiring a quick growth, and produces wonderful results. 100 lbs., \$4.50.

**LAND PLASTER (Gypsum).** Land Plaster is not really a fertilizer, as it contains no plant food, but it causes a chemical change in the soil, releasing the potash which is already there in unavailable form. It is very beneficial to clover, alfalfa, peas, beans and other legumes. 100 lbs., \$1.25; ton, \$16.00.

**GROUND ROCK PHOSPHATE.** Raw phosphate rock finely ground. It is slower acting than superphosphate, and is recommended by many manufacturers as the most economical form of phosphoric acid. 100 lbs., \$1.50.

On account of the war we are unable to supply any potash as the supply all comes from Europe, and it is impossible to ship any in at this time.

**SUPERPHOSPHATE.** (Guaranteed analysis Phosphoric Acid 17%.) This is what is known as Acid Phosphate, being phosphate rock treated with acid to make the phosphoric acid available. While the phosphoric acid in this is not so valuable as that in bone meal, it is more quickly available, and in some cases more useful.

Superphosphate is recommended as a top-dressing for grass lands and for grain. It is generally used at the rate of 500 to 1,000 lbs. per acre. Packed in 125-lb. sacks. 100 lbs., \$1.75; ton, \$26.00.

**GROUND LIME ROCK.** (Ground to 100 mesh fine.) (90% Calcium Carbonate.) Especially prepared for use on the lawn and garden. Based on chemical analysis, it may safely be said that practically all the soil in the Puget Sound district is in need of lime. Different sections require different amounts, but from wide experiments it has been shown that practically all the land needs at least 2,000 pounds per acre. This applies to gardens and farms; for lawns a fair application is 100 pounds to 2,000 square feet. After wide experiments it has been found that the Lime Rock is much superior to other forms of lime, as it is not caustic and will not destroy the humus in the soil. It can be applied to a growing crop without any chance of injury.

**BRIEF POINTS ON LIMING.** 1. The different forms of lime contain different amounts of calcium.

2. To improve a poor, acid soil, plow under manure, apply lime and disc in, and grow legume crops in the rotation as much as possible.

3. Lime corrects acidity, but rarely acts as a true fertilizer.

4. Use burnt lime with caution.

5. Ground limestone and thoroughly air-slacked lime are not injurious to soils or crops.

6. Lime is not a "cure-all" for every soil ailment.

Lime will not take the place of manure or commercial fertilizers, nor will manure or commercial fertilizers take the place of lime.

5-lb. pkg. ....	\$0.25
100-lb. sack .....	1.00
2,000-lb. sack .....	10.00

This price is for delivery any place in the city and to docks and depots.

To obtain the best results use our Fertilizer



**NITROGEN** is the most important and expensive plant food. The air is four-fifths nitrogen—the soil is full of air—but plants cannot absorb it without the aid of the nitrogen gathering bacteria.

The Improved German Soil Inoculator, Nobbe-Hiltner Process

# NITRAGIN

TRADE MARK REG'D. DEC. 6, 1898. NO. 37212

**Restores and Maintains Soil Fertility**

To insure a stand—**increase the yield—build up your soil—always inoculate CLOVERS, ALFALFA, VETCHES, PEAS, BEANS, SOYA BEANS, COW PEAS** with **NITROGEN**

## High Bred Nitrogen-Gathering Bacteria for Clovers, Alfalfa, Beans and Other Legumes

### NITRAGIN

is based on the greatest discovery ever made in Agriculture. But before you can realize just what it is, and why it is of such great value to all land and farm owners, there are a few underlying facts you should know. If you already know them, so much the better.

Let us begin with the soil. Soil is ground-up rock, mixed with decayed and decaying vegetable matter. To be productive, it must contain plant foods. There are three chief plant foods, two of these are called Phosphorus and Potash. Certain crops feed extensively on one or both of these two plant foods, and so the soil suffers until they are replaced. But, as a rule, wise farm methods will furnish the soil all the phosphorus and potash it needs. Deep-rooted plants, like alfalfa and the clovers, bring them up in large quantities from the sub-soil below.

But what about the other plant food, nitrogen? Why do we hear so much more about nitrogen than all the other plant foods put together? Because it is the element that causes the growth of leaf, stem and stalk. Without it there would be no growth. Crops remove it in great quantities. It escapes as gas. Rains and drainage waters wash and leach it away. On top of this, nitrogen is far more expensive than all the other plant foods combined. Whether you buy it in the form of nitrate of soda, dried blood, tankage, or cottonseed meal, it costs between \$50 and \$60 a ton.

Nitrogen is not expensive because it is scarce. You will be surprised to learn that there rests on every acre of ground—rich and poor alike—more than thirty-seven thousand tons of it. Yes, there are thousands of tons of it resting on every farm; and yet the farmer often does not use a pound of it, but drives to town and exchanges his hard earned money for some fertilizer containing only a small per cent of nitrogen.

The vast, inexhaustible quantity of nitrogen which rests on every farm is in the air. Four-fifths of the air is pure nitrogen. For years men have tried to take it out of the air by electricity and put it into the soil, but thus far all such experiments have been—from an economical standpoint—failures.

For ages man has known that clover, instead

of wearing out the soil, very often makes it richer and more fertile than it was before. Why? Nobody knew. The secret never became known until about 25 years ago and what led to its disclosure was this.

In 1886 a noted German (Hellriegel) found out that clover, lucerne (alfalfa) peas, beans, in fact, all plants which bear their seed in a capsule, or pod, very often have little round bushes, or knots, growing on their roots. You should know, by the way, that all such pod-bearing plants are called legumes.

Every legume that is healthy and vigorous has these little knots. (Scientists call these knots either tubercles or nodules.)

Many people have imagined these tubercles to be some plant disease or other. But Hellriegel noted that those which had the greater number of tubercles on their roots had the greater strength and vigor; that those without tubercles did not thrive well, but had a pale, sickly appearance. He further discovered that these tubercles were filled with millions of germs, or bacteria, and that these bacteria feed the legume plants all the nitrogen they need; that they then fill their tubercles full of nitrogen, and that they get their entire supply not from the soil, but from the air. In other words, Hellriegel discovered that Nature herself has a way of unlocking nitrogen from its vast reservoir, the atmosphere, and putting it where it will enrich the soil. She does it by means of certain germs that live in the roots of legumes. Practically no other germs and no other farm plants but legumes have this wonderful power. It appears, too, that while there is but one species of nitrogen-gathering germs, yet each legume requires its particular kind, or strain. For instance, the germ that feeds alfalfa with nitrogen from the air, differs from the germ that feeds peas, vetch, etc.

Thus Hellriegel taught the world why it is that clover and all other legumes enrich the soil. In partnership with these germs they tap the air for their nitrogen. They don't take it from the soil, the way wheat, corn and all non-leguminous plants must do. What is more, when a legume is cut or plowed under, its tubercles of course decay. What is the consequence? All the nitrogen stored up in the tubercles, together with millions of nitrogen-gathering germs, is distributed in the soil. This gives the soil enough nitrogen for the wheat, corn, oats, or any crop which follows. This is why you hear so much these days about plowing under legumes, or green-manuring, as it is called.

# NITRAGIN



In order that the world might get the full benefit of Hellriegel's discovery, many scientists took up the study of legume bacteria. Among the most successful of these were Nobbe and Hiltner, who by

years of study were enabled to put their ideas into actual practice and all literature on this subject gives them due credit for it. They named their product Nitragin, which name they registered all over the world as a trademark.

This product is now sold in all agricultural countries of the world. Last year there were nearly a million acres of legumes inoculated with nitrogen-gathering "NITRAGIN" germs. You can now see the great two-fold value of "NITRAGIN":

(1) If it is difficult for a farmer to get a "catch" of alfalfa, clover, vetch, seradella, etc., it is because nine times out of ten, the needed germs are missing in his soil. "NITRAGIN" overcomes this obstacle at once. It gives him millions of the right kind of germs, and his soil becomes thoroughly inoculated at once.

(2) If his soil is worn out, he grows legumes, and plows them under. His legumes are inoculated with "NITRAGIN" germs, and get their nitrogen from the air. They are vigorous, deep-rooted plants that add rich humus, organic matter and minerals to the soil. To every acre plowed under, they add from 150 to 200 pounds of nitrogen. "NITRAGIN" germs insure a "catch" of any legume, and at the same time make that legume a sturdy, deep-rooted soil renovator, a rich humus maker, and a fertilizer that maintains the soil's productiveness and upbuilds worn out land. Crop rotation and green manuring have a new meaning, a new value, when their practice involves one or more "NITRAGINED" legumes.



"NITRAGIN" points the way to a new and better system of agriculture. Its theory

is endorsed and encouraged by the United States Department of Agriculture; its method is accepted and adopted by the world's leading soil experts. Authoritative editors of prominent agricultural papers, such as the Rural New Yorker, Hoard's Dairyman, the Progressive Farmer, etc., unhesitatingly indorse the pure-culture method of soil inoculation.

Nitrogen gathered by the germs or bacteria, is stored in knots or nodules on legume roots. Part is used by the growing crop, part goes to the soil to benefit succeeding crops. Experiments prove an inoculated legume crop returns to the soil an average per acre of 122 pounds yearly.

Nitragin is the trade mark name for the special germ, or bacteria, that acts on the legume root, draws nitrogen from the air and converts it into plant food.

It tends to give a uniform catch: The crop grows quickly; it is strong, hardy healthy and deep rooted.



**1/2 Acre Size,  
50 Cents  
Shipping Wt.,  
8 Ounces**



**One Acre Size,  
One Dollar  
Shipping Wt.,  
14 Ounces**

## SPRAYING CALENDAR AND FORMULAE

There is no spraying that will cure everything. Use the one that fits your case. Spraying, to be effective, must be well done.

When to Spray	What to Use	What to Spray For	Notes
<b>FALL</b> Just after the leaves fall. Especially for Western Washington.	Sulphur-lime <del>Sulphur-lime</del>	Apple cankers. Scale insects. Eggs of green aphid and spider. Pear leaf blister mite. Wolly aphid. Eggs of tent caterpillar. Moss and lichens. Rabbits and field mice.	This spraying may be preceded by a spraying of bordeaux as soon as crop is picked; for canker only. Write for bulletin on sulphur-lime spraying.
<b>WINTER</b> While buds are swelling. Usual spraying where there is no canker.	Sulphur-lime	Bud moth; twig borer; peach-leaf curl. Scale insects. Eggs of green aphid and red spider. Wolly aphid. Rabbits and field mice. Mildew.	Too early spraying will miss these. Write for bulletin on sulphur-lime spraying.
<b>SPRING</b> (1) When flower buds are ready to open. (2) While last blossoms are falling.	Sulphur-lime  Lead arsenate 1 lb. to 50 gallons.	Apple scab. New York apple canker. Prune brown rot or fruit mold. Codling moth. Bud moth; twig borer. Caterpillars.	Spray when central flower of cluster is about to open.  Use a bordeaux nozzle with a crook and spray with force from raised platform directly into every flower. Repeat immediately. If so applied, these sprayings are sufficient. Keep a few trees banded. If many worms are trapped, spray. Write for codling moth bulletin. Not advisable to mix with arsenate of lead. Omit if there is little scab.
<b>SUMMER</b> When the pest appears.	Tobacco (or kerosene emulsion).  Lead arsenate  Sulphur-lime  As a strong wash. Bordeaux	Aphis (cherry aphis, etc.) Woolly aphis on branches. Red spider. Oyster shell bark louse. Leaf hopper. Pear and cherry slug.  Caterpillars. Colorado potato beetle. Fruit spot (Baldwin spot; punk rot). Mildew. Red spider; young of oyster shell louse. Trunk borer; flat head borer. Flea beetles. Cutworms. Grasshoppers. Potato blight.	About June 15 for newly hatched young. Spray early before they acquire wings. Use 1 pound to 75 gallons. Or dust with lime, ashes or road dust. Use 1 pound to 40 gallons.  Early in July. (Treatment in the experimental stage.)  Keep trunk coated all summer; best to add excess slime. As a repellent.  July 1 to 15; repeat in two weeks. If much blight near by, give third application two or three weeks later.

## PESTS CONTROLLED BY OTHER REMEDIES THAN SPRAYING

The prosperous and successful farmer increases both the quantity and the quality of his product by scientific spraying.

**PEAR BLIGHT (Fire Blight of Pear and Apple).** Prune out every sign of blight, cutting well below the disease. Swab every cut with corrosive sublimate (1 to 1,000 of water). Clean the tool often with carbolic acid, or you will spread the blight with each cut.

**WESTERN TOMATO BLIGHT.** Set out strong plants close together, or plant the seed thickly in the rows. Give best of care, shade and plenty of water. You will probably lessen the blight.

**POTATO SCAB.** Soak seed for two hours in formalin (1 lb. to 30 gallons of water), then cut the plant. Do not plant in soil where scabby potatoes were grown.

**SMUT OF WHEAT AND OATS.** Spray seed thoroughly with formalin (1 lb. to 45 gallons of water); cover and let lie in a pile two hours; dry and plant with a clean seeder.

**The Blights Destroy Thousands of Trees**  
**Fire Blight of Apples Is Spread by Aphis**  
**"Black Leaf 40," 40% Nicotine**

Aphis checks growth of trees, causes leaves to curl and destroys fruit. Destroy aphis with **"BLACK LEAF 40."** (Guaranteed 40% nicotine.)

We will furnish you with an effective insecticide in concentrated form. Two hundred gallons of spray from the 2-lb. can costs \$2.50; 1,000 gallons from the 10-lb. can costs \$10.75.

Send to us for free bulletin and your supply of **"BLACK LEAF 40."**



# SOLUBLE SULPHUR COMPOUND

Manufactured on the Pacific Coast Under Niagara Sprayer Company Patents  
**THE SULPHUR SPRAY PERFECTED**

As Effectual as Lime-Sulphur Solution—More Convenient—Less Expensive

## Soluble Sulphur Compound

is the old standard sulphur spray with the water left out, making it more convenient to handle and only one-sixth of the weight to pay freight charges on. It is a dry powder, easily dissolved in either cold or hot water.

It is used in the same way as lime-sulphur solution, is fully as effectual in every way and superior in many ways. There is no sediment; no grit to wear out pumps and clog nozzles; no freezing; no crystallization; no leakage; no loss. If the can is kept tightly closed it will keep indefinitely, and any that is left over at the end of the season can be used the next year.

A 100-lb. drum of Soluble Sulphur is equal to a 600-lb. barrel of lime-sulphur solution, saving five hundred pounds of freight charges, hauling and handling.

Soluble Sulphur Compound is powdered by a fusion process, not by boiling, whereby sulphur is combined with soda ash, a true solvent. The result is a perfectly soluble compound high in sulphur as polysulphides. This compound is analogous in chemical form to the calcium polysulphides of a high-grade lime-sulphur solution.

The sodium polysulphides are superior, for it should be remembered that common soda is used extensively in the manufacture of soaps because of its grease cutting property. As used in forming Soluble Sulphur Compound this grease cutting characteristic reinforces the primary insecticidal value of the sulphur, forming a superior insecticide and fungicide surpassing either material alone, or other combinations, such as lime-sulphur. Soluble Sulphur Compound is used for the same purposes, on the same trees and shrubs, and in the same manner as lime-sulphur solution. Where one gallon of thirty-three degree lime-sulphur solution would be used two pounds of Soluble Sulphur Compound is used instead. It is simply sifted into the tank of water while being stirred or agitated, dissolves readily, and after being

stirred for a few moments will remain in solution an indefinite time.

For estimating the amount required, those who have used lime-sulphur solution should order a one-hundred-pound drum of Soluble Sulphur instead of each fifty-gallon barrel of lime-sulphur solution used in the past. The amount required for an acre of course varies with the size of trees and manner of using, but for average use, one hundred pounds of Soluble Sulphur will be sufficient for two acres of orchard.

1-lb. can .....	\$0.20
10-lb. can .....	1.25
100-lb. drum .....	7.50

F. O. B. Seattle.



## Different From Any Other Arsenate of Lead ELECTRO ARSENATE OF LEAD POWDER

is different from any other arsenate of lead. It is not a paste that has been dried and ground, it is a precipitate, and is so fine that it will mix with water readily, will not lump, and when used as a dust spray will stick to the dry leaves as well as ordinary Arsenates of Lead when applied wet.

It is the strongest and most effective, as well as the safest and easiest to use.

By a special process which no other manufacturer can employ, there is combined properly with lead 32½ to 33½ per cent arsenate oxide with less than one-half of one per cent free or water soluble arsenate. Arsenic oxide is the active agent, and free arsenic oxide will injure the foliage if in excess. This gives a killing strength much greater than that of other brands, and consequently, much less Electro Arsenate of Lead Powder is needed to do the work.

This is the original form of dry arsenate of lead

suitable for both wet spraying and dusting, and the only form that is not granular or crystalline. There is no other as good.

There are several distinct advantages in Electro Arsenate of Lead in powder form:

You do not pay freight charges on 40 to 60 per cent of water, which all paste forms contain.

It is an impalpable powder, hence there is a greater and more even distribution over the foliage. As it does not lump, there is no clogging of nozzles. Every particle is of value.

It is indestructible; age does not impair its value. Every one familiar with spraying knows the annoyance of using old pastes and that the lumps that remain in the tank are useless. This annoyance does not exist with Electro Arsenate of Lead Powder. It is always in fine mechanical condition, does not lump, is free from granulation or grit, and there is no waste.

## HOW TO USE ELECTRO ARSENATE OF LEAD POWDER

Electro Arsenate of Lead Powder may be used either as a dust spray or mixed with water as a wet spray.

Electro Arsenate of Lead Powder when dusted on a dry leaf will stick as well as ordinary arsenate of lead used with water.

The fineness of the powder and the increased strength makes action quicker, as the insect has to eat less to kill it.

In sticking quality it is unequalled. Even after the leaves have fallen in the fall, if examined with a microscope, they will be found to be covered with a perfect film of the poison. One or two sprays insure insect control continuously throughout the season.

Electro Arsenate of Lead Powder may be combined with the sulphur spray by mixing with Niagara Soluble Sulphur Compound.

½-lb. carton .....	\$ .25
1-lb. carton .....	.40
10-lb. drum .....	3.00
25-lb. drum .....	6.75
50-lb. drum .....	13.00
100-lb. drum .....	24.00

F. O. B. Seattle.

## ELECTRO BORDO-PULP

This is a scientific compound of copper sulphate (blue vitriol) and high grade lime for use as a fungicide only. It is a Bordeaux Mixture in a concentrated form.

Although Soluble Sulphur Compound is superior for most purposes, for controlling fungi on some kinds of vegetation such as potatoes, melons, cucumbers, beans, grapes, etc., Electro Bordo-Pulp is preferable.

One of the serious drawbacks which has brought Bordeaux Mixture into disfavor, especially among fruit growers, is that it is liable to cause russetting of the fruit. In Electro Bordo-Pulp all excess of caustic lime is removed and this russetting is reduced to a minimum.

Cannot be shipped by parcel post.

1-lb. jar .....	\$0.30
10-lb. kit .....	2.00

**THE "DAISY" DOUBLE ACTION.** Works both ways of stroke, giving twice the results with half the work. Will not turn over on its side and allow the liquid to run out. Holds one quart. Galvanized, \$1.00. Tin, 75c.

**KNOX WEED.** A single application kills plantain, thistle and any noxious weed, top and root. Sold under positive guarantee. Dropper can, each, 50c.

**BORDEAUX MIXTURE (Lion Brand).** For fungi, in liquid form. Dilute with 49 parts of water. Pint, 30c; qt., 50c; gal., \$1.40.

**BLUE STONE.** Lb., 15c; per 100 lbs., market price.

**WHALE OIL SOAP.** For aphid, plant lice, etc. 1 lb., 15c; 100 lbs., \$10.00.

**HAMMOND'S SLUG SHOT.** For destroying slugs, cabbage and turnip flea, currant worms, etc. Per lb., 15c; 5-lb. pkg., 50c.

**HELLEBORE.** ¼ lb., 16c; ½ lb., 20c; lb., 35c.

**KEROSENE EMULSION.** An excellent spray for woolly aphid and clover mite. Pint, 30c; qt., 50c; gal., \$1.40.

**PARIS GREEN.** The standard of purity. Guaranteed superior to other makes. Price, ¼ lb., 20c; ½ lb., 40c; lb., 60c.

**BLACK LEAF "40".** A nicotine product which has been found to be the best spray for aphid of any kind. Oz., 25c; ½ lb., 75c; 2 lbs., \$2.50; 10 lbs., \$10.75.

## Lime and Sulphur Solution Best of the Old-Time Sulphur Sprays

For those who still prefer the old style sulphur spray we can still furnish Lime and Sulphur Solution. This has been used by the orchardists of the Northwest for many years, and has long been the standard sulphur spray. We recommend Soluble Sulphur Compound as being just as effective, more convenient and less expensive, but some who have used Lime and Sulphur Solution with entire satisfaction will no doubt be averse to changing.

It is a clear, cherry-red solution, free from sediment, and tests 33 degrees Baume, which is as concentrated as it is possible to make a lime and sulphur solution which will remain in solution.

For winter or early spring spraying, before buds are open, it is used at the rate of one gallon of solution to eleven gallons of water. For summer spraying it is diluted with about twenty-eight parts water. Prices: Gallon, 50c; five-gallon can, \$1.75; barrel (about 50 gallons), \$9.00.

## ELECTRO KEROSENE EMULSION

For spraying plant lice, scale, leaf hoppers, etc. It is readily soluble in water, and is ready for use by simply adding the proper amount of water. Directions for use accompany each package. Price, 1-gallon can, \$1.00.

## NICTENE SPECIAL OFFER

**ROSE SPRAY FOR ROSES AND OTHER PLANTS.** After a great deal of experimenting we have perfected a very effective spray for destroying green aphid and many other insects that infest rose bushes. It is not injurious to the blossoms or foliage. Put up in graduated bottles holding enough to make two and four gallons of spray. 25c and 40c per bottle.

**OUR SPECIAL OFFER.** To introduce this splendid spray, we will, for a limited time, give a MISTY SPRAYER (see description on page 82) with a can of NICTENE.

## LAWN LIME

A chemical compound which, when applied as a lawn dressing, burns up broad-leaved weeds such as dandelion, daisy, plantain, dock, sorrel, chickweed, etc. One application will usually destroy coarse growing weeds. It is not only harmless to the narrow leaved grasses, but acts as a splendid fertilizer.

Prices: 2 lbs., 25c; 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

**NICO FUME, TOBACCO PAPER.** Used for fumigating. 24 sheets, 75c; 144 sheets, \$4.00.

**TREE TANGLE-FOOT.** For caterpillars, moths and worms. Protects against all climbing insects. One pound makes a band 9 feet long. Price, 1 lb., 30c.

**GRAFTING WAX.** ½ lb., 20c; 1 lb., 35c.

**TOBACCO STEMS.** Lb., 5c; per 100 lbs., \$4.00.

**SULPHO TOBACCO SOAP.** To exterminate insects. Cake, 10c and 20c.

**SULPHUR POWDER.** Lb., 5c; 100 lbs., market price.

**GARCO ROOT MAGGOT SPRAY.** This spray has been used very extensively by several truck gardeners during the past season on cauliflower, cabbage, onions and turnips, and they all report that it has real merit and does better work than any spray they have ever used to abate this nuisance. One user reports that on plants that were sprayed the loss was 15%, while on those not sprayed the loss was about 22%. It is diluted 100 parts, so there is very little chance of injury to the plants. ¼ pint, 20c; pint, 35c; quart, 60c. Can be sent by mail.

## COUNTRYSIDE BOOKS

### Interesting and Educational

**A B C OF AGRICULTURE.** By Mason C. Weld, and others. Illustrated. 66 pages. 5x7½ in. Cloth. 50c.

**AGRICULTURE, FIRST PRINCIPLES OF.** By Edw. B. Voorhees. 212 pages. 5½x8 in. Cloth.

**AGRICULTURE CYCLOPEDIA OF AMERICA.** This is unquestionably the most important agricultural cyclopedic work published in this country. The leading experts in the United States and Canada, both investigators and practical farmers, contribute to its chapters, which are arranged not alphabetically, but topically, each subject being treated in its various aspects by men especially familiar with it. It contains advice for the city man who is seeking a home in the country, as well as for the professional farmer. The book is strictly new and up-to-date in its methods and advice, thoroughly readable, and a standard work of reference. It is profusely illustrated. Edited by L. H. Bailey. Four volumes. Sold only in sets to subscribers. Half morocco, \$32. Cloth, 7 vo., \$20.00.

**FARMER'S BUSINESS HANDBOOK.** By Isaac P. Roberts. Cloth, 12mo., \$1.25. A manual of simplified farm accounting, to enable a farmer to determine which crops pay the best and which are grown at a loss, together with brief advice on rural law.

**SOIL MANAGEMENT.** By F. H. King. Illustrated. 303 pages. 5x7 in. Cloth. In this volume is presented the principles governing the productive capacity of fields, as influenced by soil management. Soil moisture, its relation to plant feeding, its conservation, etc. Earth mulches, reclamation of swamp lands, and functions of lime in soils. The physical features of soils and the maintenance of the best physical soil conditions. Also application and conservation of water with special reference to irrigated lands, etc.

**POULTRY FARMING PROFITABLE.** By J. H. Sutcliffe. Illustrated. Paper. 12mo., 40c. Describing in detail the methods that give the best results and pointing out the mistakes to be avoided.

**DUCKS AND GEESE.** Articles by the ablest poultry writers and breeders. Illustrated. 9x12 in. A history of the water fowl industry of America. Complete instructions on the breeding, rearing, feeding, housing, marketing and exhibiting of these profitable fowls.

**TURKEYS AND HOW TO GROW THEM.** Edited by Herbert Myrick. Illustrated. 154 pages. 5x7 in. Cloth, \$1.00. A treatise on the natural history of turkeys; the various breeds, and the best methods to insure success in the business of turkey growing.

**BEE-KEEPING.** By W. B. Webster. Illustrated. Paper, 40c. A practical and complete manual on the proper management of bees, especially written for beginners and amateurs.

**BEE-KEEPING, QUIMBY'S NEW.** By L. C. Root. Illustrated. 271 pages. 5x7 in. Cloth, \$1.00. The mysteries of bee-keeping explained. Combining the result of 50 years' experience with the latest discoveries and inventions and presenting the most approved methods, forming a complete work.

**INSECTS AND DISEASES.** By R. W. Doane, of Stanford University. With numerous illustrations. 227 pages. Large. 12mo., \$1.50. Brings together in untechnical form the most important facts that are known about maladies caused by minute parasites; and the most important general facts in regard to the structure and life history of these parasites.

**PRODUCTIVE VEGETABLE GARDEN.** By John W. Lloyd. 340 pages. 192 illustrations. \$1.50. This is a practical, up-to-date, complete book on the raising of vegetables for profit. Every step in the cultivation is thoroughly explained and illustrated by the 192 illustrations. It places vegetable growing on a safe and sure basis and will enable students, farmers and amateur gardeners to profitably engage in this work.

## NURSERY MEN'S SUPPLIES

**RAPIA.** We carry a large stock on hand at all times and can make special prices in bale lots. First grade, per lb., 25c; 10 lbs., \$2.00; 10 to 100 lbs., 18c per lb. Write for price on bale lots.

**GARDEN GLOVES.** Ladies' size. 3 pairs, 25c. Men's size, 3 pairs, 25c.

**TREE LABELS.** Copper wired. Per 100, 25c; per 1,000, \$1.50.

**POT LABELS.** Per 100, 25c.

**BAMBOO CANES.** 4-ft., doz., 20c; 100, \$1.50. 5-ft. doz., 25c; 100, \$1.75.

**PAPER FLOWER POTS.** 2½-inch, per 100, 75c; 3½-inch, per 100, \$1.25; 4-inch, per 100, \$1.50. Postage extra.

**FLOWER TUBS.** Each, \$1.25 to \$3.50.

**POTS, SAUCERS, PANS.** We pack these carefully, but will not be responsible for breakage. Can only be shipped by express or freight.

### RED CLAY FLOWER POTS.

Size	Doz.	100	Size	Doz.	100
2-in.	\$0.30	\$2.00	5-in.	\$0.90	\$5.25
2½-in.	.45	2.50	6-in.	1.00	6.25
3-in.	.50	3.00	7-in.	1.50	10.50
3½-in.	.60	3.50	8-in.	1.75	15.00
4-in.	.75	4.00			

**SUCCESSFUL FRUIT CULTURE.** By Sam T. Maynard. Illustrated. 174 pages. 5x7 in. Cloth, \$1.00. A practical guide to the cultivation and propagation of fruits. This book is written from the standpoint of the practical fruit grower who is striving to make his business profitable by growing the best possible and at least cost. It is up-to-date in every particular, and covers the entire practice of fruit culture.

**THE AMERICAN APPLE ORCHARD.** By F. A. Waight. Illustrated. 5x7 in. 226 pages. Cloth, \$1.00. The work is the result of actual experience and observation of a practical man. It is what everyone interested in apples has been looking for. Of all fruit crops, the apple is not only the most popular, but it is also the most profitable. In this book chief prominence has been given to modern commercial methods as practiced in large and up-to-date orchards. At the same time, the family orchard is not neglected, for special treatment of this subject has been given. Methods are discussed, not for their theoretical value, but from the standpoint of cash profits. Anyone interested in apples will find this a valuable and helpful guide.

### PRACTICAL LANDSCAPE GARDENING

By Robert Bridland

Landscape architect of more than twenty years' experience and national reputation. First practical book ever written for people of moderate income. Through its conciseness and lucidity of expression, rarely met with in technical or semi-technical guides, the reader is encouraged at the ease with which he can acquire all needful instruction on every detail connected with landscape gardening and as to the embellishment of the home grounds. Owners of suburban homes, flower and garden lovers, florists and nurserymen, park commissioners and civic officials, and students of landscape architecture will find help and inspiration within its covers such as no other book has ever afforded.

### GARDENERS AND FLORISTS' ANNUAL

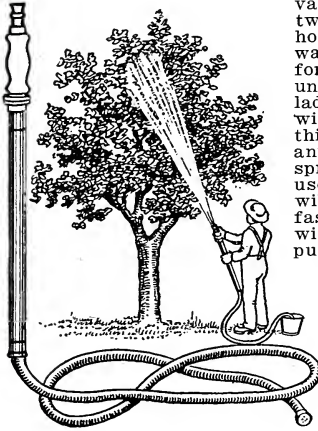
FOR 1917

The standard book of reference for all horticulturists. This will follow in its general features and arrangements the style of its two predecessors, especially the 1916 annual. Among the special articles there will be one on Starting in the Retail Store Business, with hints as to location, management, etc.; Vegetable Crops for Florists; The Alpine House as a Feature; Buying a Property—What to Look for and What to Avoid; Raising a Stock of Hardy Plants; A Burning Question—The Fuel Supply; Neglected Plants of Commercial Value; and How to Make a Living from a 100 ft. greenhouse. A review of the work for each month of the year will be a new feature, together with a section devoted to cultural hints for growers in California and the West. This 1917 issue will also be much more freely illustrated. Price 50c postpaid.



**THE STANDARD SPRAY PUMP**

The standard is the busy man's sprayer. Always ready; saves half the time doing the work. This is, without doubt, the best Spray Pump that has ever been offered to the buying public. It is simple, durable and powerful, and is equally good for field, garden or orchard work. It is made of brass, with two solid brass ball valves; it is provided with two nozzles, 3 1/2 feet of hose and strainer. It is warranted unconditionally for five years. No need for unwieldy extension rods, ladders or platforms. It will do the work in one-third the time required by any other sprayer. It will spray a large orchard when used with barrel. One man will do better work and faster work than two men with an ordinary barrel pump. It will whitewash cow stables and chicken houses, spray cattledip and disinfectants. Owing to the construction of the Standard Spray Pump, the force is sufficient to cover the highest fruit tree and penetrate the thickest foliage—reaching the vital parts of the tree.



Used with a knapsack potato attachment it will spray a field of potatoes, one row at a time, as fast as a man can walk. Everyone who has used this pump or seen it used is an enthusiastic booster for it, and we like to sell it, for it always makes a satisfied customer of the person who buys it. No man with a spot of ground to call his own can afford to be without this pump. The price is so reasonable that it is within the reach of all. Weight, 6 pounds.

Standard Spray Pump .....\$4.50

**FOUNTAIN SPRAYER—Compressed Air Sprayer**

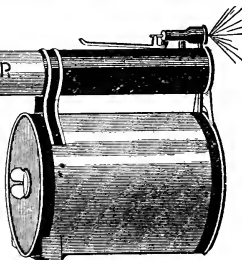
This sprayer operates entirely by compressed air. After the tank is once charged you can spray continuously until the storage plant is exhausted. The sprayer can be instantly changed from a light to a heavy spray. It is suitable for small fruit trees as well as potato plants, etc. It will throw a spray 12 feet from the ground. In using Paris Green there is absolutely no waste as is the case with the old-style machines. Heavy galvanized iron reservoir with 3 spraying attachments. Capacity, 3 gallons. Weight, 12 lbs.



1029—Each .....\$5.00  
1030—Same as 1029, made of brass, each.....\$6.00

**COMPRESSED AIR SPRAYER, "THE EASY"**

1032—Strong and durable. Has a large, strong pump, automatic shut-off nozzle, legs under tanks. Can be used for whitewashing and disinfecting chicken houses. Is very desirable for large gardens, etc. It is built of galvanized steel or brass, as ordered. Holds one gallon. Price, \$2.50.



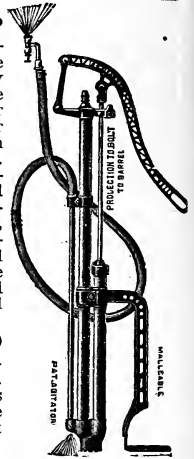
**MYER'S SPRAY PUMP**

This pump can be operated with one-half the power of the ordinary spray pump, owing to the advantage of the lever handle. The air chamber is 50 per cent larger than the ordinary bucket pump.

1028—Myer's, brass fitted with agitator ball valves and patent agitator, diam. cylinder 1 1/4 in., with solid plunger, malleable iron foot rest and lever, complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzle.

Each .....\$4.50

The pump has the following equipment; 10 ft. 3/8 pressure hose, brass shut-off cock, 10 ft. pipe extension, 3 pieces Brandt Ideal Nozzle.



**FAULTLESS HAND SPRAYER**



This is a most convenient and handy sprayer to use about the garden. It is too simple to get out of order, and throws a good spray.

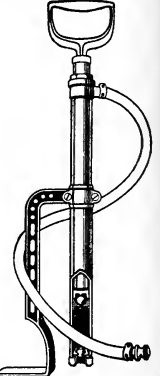
1026—With Tin Tube and Reservoir. Ea.....50c  
1027—With Brass Tube and Reservoir. Ea.....90c

**MODOC ALL BRASS PUMP**

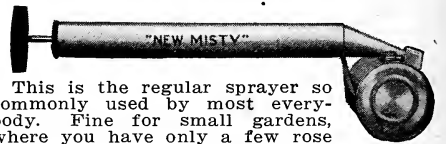
Brass ball valves, brass plunger, handle and stirrup malleable iron. Three feet of best hose, two brass nozzles, one for spray and one that will throw a stream of water. Has large air chamber, making possible a pressure of 50 to 100 lbs. The best value offered in a bucket pump. Price, each \$3.00.

We carry a complete line of extra parts for all our pumps. Write for complete catalog.

1029—Each .....\$5.00  
1030—Same as 1029, made of brass, each .....\$6.00



**MISTY SPRAYERS**



This is the regular sprayer so commonly used by most everybody. Fine for small gardens, where you have only a few rose bushes to spray or for a hen house.

1033—Heavy tin. Each.....\$0.25  
1034—Heavy tin. Each......35  
1035—Heavy tin, full quart. Each......40  
1036—Heavy galvanized. Each......60  
1037—Heavy brass. Each.....1.00

**HAW'S GREEN HOUSE SPRINKLER**

1038—**WATERING POT.** Galvanized iron, with brass fittings and two brass roses, one fine and one coarse, with each pot. These are hard to pack and are better sent by express than by mail. 8-qt., \$2.00; 12-qt., \$2.50.

1039—**LADIES' GARDEN SYRINGE.** Polished brass, 16x1 1/4 inches, coarse and fine spray and jet. Weight, 2 1/4 lbs. Each, \$3.50.

**IDEAL  
Spraying  
Outfit  
Price  
Complete  
\$18.00**

1045—It has been designed to fill the requirements of the small gardener and fruit grower. The tank holds fifteen gallons. The working parts are light, compact and easy to handle. The pump is fastened to the tank firmly, and with ordinary care this outfit will last a lifetime and give excellent results. The air chamber is large and this enables the operator to keep a uniform pressure. A pressure of 150 pounds can be easily maintained. The valves are removable and never clog. Shipping weight, 65 lbs.



The pump has the following equipment: 10 feet  $\frac{3}{8}$  pressure hose, brass shut-off cock, 10 feet pipe extension, 3 pieces, Brandt Ideal Nozzle. Price, complete ....\$18.00

**STANDARD SPRAY PUMP**

This pump is the best all around spray pump on the market. It is a carefully designed and simple pump. Very few parts and nothing to get out of order, for it is simply an accurately made squirt gun. One of the best features of the pump is that it can be used for any spraying you may have about your place. It is equipped with three different nozzles, has extensions and will spray the tallest tree from the ground. Can be used with a barrel, tank, knapsack or a bucket and does its work well in all cases.

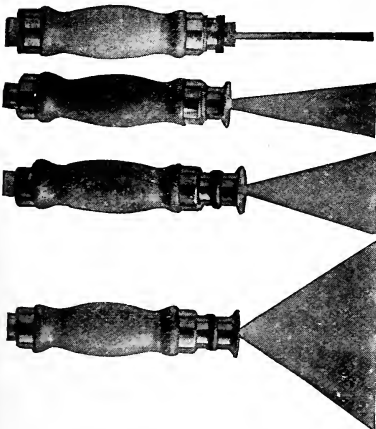


**PUMP WITHOUT THE HOSE ATTACHMENT  
STANDARD PUMP WITH  
"POTATO" EXTENSION**

And No. 3 Nozzle Attached to  
Knapsack



**DIFFEREN SPRAYS**



**PRICE**  
Complete  
With  $\frac{3}{4}$   
Ft. of Hose  
and Full Set  
Nozzles  
Each \$5.00.  
With  
Knapsack  
Attachment  
Each \$7.50.  
**HOSE**  
**EXTRA**



**PERFECT SPRAYER**

1046—This sprayer is especially designed for use of powders, such as sulphur, slug shot, etc. Each .....75c

**NO. 5 KING BARREL PUMP**

1047—Made for heavy work. Easy to operate and used in connection with a hose. One man can do a great amount of work in a day. Cylinder, 2x7 inches; air chamber, 2 $\frac{1}{2}$ x30 inches. Price, complete .....\$12.50  
Pump only ..... 10.00

1048—Same design as No. 5, only larger and heavier. Price, pump only .....\$20.00

**THE "PERFECTION" SPRAYER**

No. 1052

The  
**Strongest  
and  
Most Powerful  
SPRAYER**  
Made



This is a sprayer of the high pressure type. It is larger, stronger and much more powerful than anything in its class, and is as near fool proof as it can be made. The barrel is 7 $\frac{1}{2}$  inches in diameter, 20 inches high. The top is fastened after the style of the best makes of fire extinguishers. The hose is 5-ply cloth inserted. The nozzle is automatic. Capacity of sprayer, four gallons. Weight, 9 $\frac{1}{2}$  lbs. Tested to 60 pounds before leaving factory. Built of galvanized steel.

No. 1049

**Price \$5.50**

The sprayer will handle whitewash, water, paints, Bordeaux mixtures, etc., perfectly.  
1049—Price, each .....\$5.50

**LOWELL FOUNTAIN—Compressed Air  
Sprayer**

This is the handiest compressed air sprayer on the market. It is light, durable and a lady can use it very handily. The parts are all brass; the tank is heavy galvanized steel, and it will last a lifetime, as there is absolutely nothing to get out of order.

1052—Large, 2-gallon size .....\$5.50  
1053—Small, 1-gallon size ..... 4.50

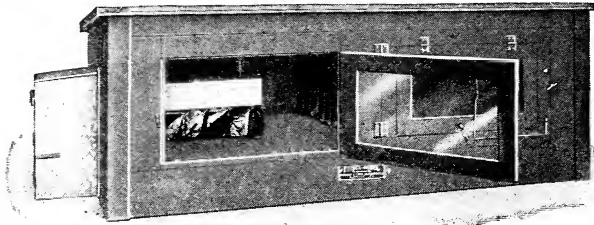


**MODEL C OUTDOOR COLONY BROODER AND ROOST COOP**

America's Original "Colony" Brooder with all improvements. Triple roof with double insulation, making five thicknesses over nursery; also double walls with insulation, making triple walls in exercise chamber. The best brooder on earth. Price, \$5.00.

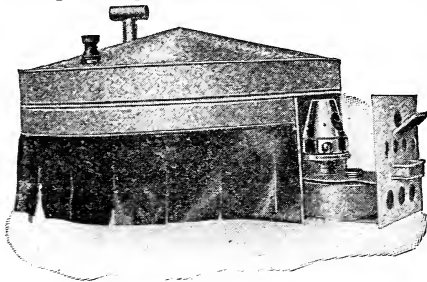
Model B, 58 1/4 x 34 1/4 inches, for 100 to 125 chicks. Price, \$3.00.

We offer special prices if purchased with an incubator.



**ESSEX MODEL CHICK COMFORT HOVER**

It is the latest in portable hovers and one that the Western Washington Experiment Station recommends very highly.



**COAL BURNING HOVER**

Hovers, 300 to 1000 chicks. Price, \$15.00.

Comes complete with thermometer and ready for operation—with no extras to buy. Price \$8.50.

**GALVANIZED GRIT AND SHELL BOX.** Small size, 3-compartment, 60c; large size, 2-compartment, 75c. Especially good for dry feeding.

**ECONOMY FEEDERS.** Each, 25c.  
**POULTRY FEED.** We carry a complete stock of the highest grade. Market prices at all times. Write when in the market.

**DRINKING FOUNT.** Chick size, 20c; medium size, 25c; large size, for mature fowls, 40c.

Galvanized, bucket shape, 12-qt., each, 75c.

**WALL FOUNT.** 1-qt., each, 30c; 1-gal., each, 60c; 2-gal., each, 75c. Less 10% orders for six.

**INCUBATOR EXTRAS**

Lamp Bowls, No. 1, for 0, 1, A, B. Each, 50c.

Lamp Bowls, No. 2, for 2, 3, 4, C. Each, 75c.

Burners for No. 1 Bowl. Each, 35c.

Burners for No. 2 Bowl. Each, 50c.

Chimneys for Lamp Bowls. Each, 25c.

Wicks, any size, per doz., 20c.

**LEG BANDS, SMITH SEALED**  
Very extensively used. Never come off. Dozen, 30c; 25 for 50c; 100 for \$1.50.

**OPEN CHICK BANDS.** Dozen, 15c; 25 for 25c; 100 for 65c.

**CELLULOID BANDS.** Four sizes in four different colors. Will assort. Chick, dozen, 15c; growing chick, dozen, 20c; Leghorn size, dozen, 20c; larger and for cockerel, dozen, 25c.

Please state size and color wanted.  
**LEADER ADJUSTABLE BAND.**  
Very easy to put on. Two sizes, con-



secutively numbered, 1 to 1,000. Dozen, 15c; 25 for 25c; 100 for 65c.

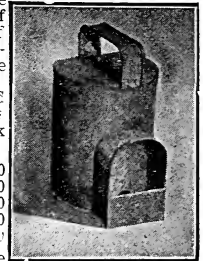
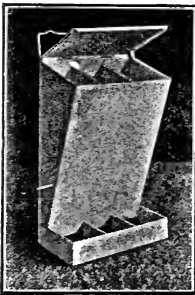
**DOUBLE CLINCH LEG BAND.**  
Three sizes, consecutively numbered 1 to 1,000. Dozen, 15c; 25 for 25c; 100 for 65c.

**MODEL STANDARD INCUBATOR**

Our **STANDARD INCUBATORS** are recognized as the highest standard of quality. They are made throughout of hardwood, are double-walled and topped, thoroughly insulated and packed, have double glass doors, metal heater, heavy asbestos jacket, improved lamp support. Equipped with the quickest heat regulator made. Complete with Lamp, Thermometer and Egg Tester. Used and recommended by Government and State Experiment Stations and by leading fanciers and large commercial poultry and duck plants throughout the country.

- No. 0—Holds 100 eggs. Price.....\$18.00
- No. 1—Holds 175 eggs. Price..... 23.00
- No. 2—Holds 275 eggs. Price..... 32.00
- No. 3—Holds 410 eggs. Price..... 37.00
- No. 4—Holds 324 duck eggs. Price..... 43.00

This incubator is for the poultryman who wants a reliable machine at a lower price than is made necessary by a highly finished all-hardwood machine.



**MIDDLE-PRICE MODEL FOR 1917.**

These **MIDDLE-PRICE** Incubators have become popular, because they are comparatively low in price, but high in quality. Substantially constructed of pine, with fine "Mission" finish, possessing double insulated walls and top; equipped with Heater, Thermostat, Lamp Support similar to those in our "Standard" Machines. They are the best on earth for the money—and they are guaranteed.

- No. A—Holds 70 eggs. Price.....\$ 6.50
- No. B—Holds 120 eggs. Price..... 9.00
- No. C—Holds 200 eggs. Price..... 16.00



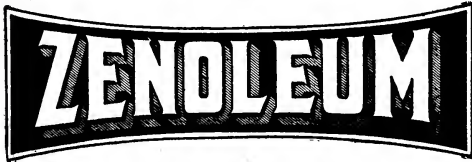
**POULTRY SUPPLIES**

We consider this an important part of our business and invite the patronage of all poultry keepers whether you are doing business in a large way or only "have a few hens in the back yard." We carry a complete line of the best lines of Poultry Medicines on the market, and it will pay you to keep a few of the most used remedies on hand at all times.

We also have always in stock a splendid line of good clean poultry food, and our buying facilities are such that we are able to give you a little better prices than you can get elsewhere. **Because of the constant fluctuations of the market we can not quote prices that would be good for any length of time, but a post card requesting prices will be answered promptly by the lowest possible quotation.**

With the present lucrative status of the poultry business, it will pay you, if you have not already done so, to invest in a **MODEL INCUBATOR** and **BROODER** and get into the business in the right way. The prospects look extremely good for a regular "Rockefeller" business in that line for 1917.

We carry a complete line of Conkey's, International, Pratt's Model, Lambert's, and Lee's poultry remedies as listed below.



**ZENOLEUM DISINFECTANT AND ANIMAL DIP**

Zenoleum is a concentrated solution of coal-tar. It mixes with hot or cold water, making a perfect emulsion that requires no boiling or stirring. It will penetrate deeper and more rapidly than any other disinfectant.

Every individual who owns a horse, cow, hog, sheep, chicken or dog, has use for Zenoleum.

**It Kills Lice, Destroys Mites, and It Heals Wounds**

There are forty-six of the forty-eight experimental stations in America who buy, use and endorse Zenoleum. Isn't that proof? Sold in 8-oz. can, 25c; quart, 50c; 1/2 gal., 90c; gal., \$1.50.

**ZENOLEUM LICE POWDER.** It destroys lice on poultry, destroys mites, removes fleas from dogs and lice from horses and cattle. Can, 35c.

**MODEL.** This brand is manufactured by the Essex Incubator Company and there is no better on the market.

- Eoup Cure, 25c and .....\$0.50 size
- White Diarrhoea ..... .25 size
- Cholera ..... .50 size
- Head Lice Ointment ..... .25 size
- Chickenpox Ointment ..... .25 size
- Scaly Leg Ointment ..... .25 size
- Liquid Lice Spray, 35c, 60c and ..... 1.00 size
- Powder Lice Killer, 10c, 25c and ..... .25 size
- Egg Maker ..... .25 size
- Nutrine Chick Salts, 50c and ..... 1.00 size

**INTERNATIONAL**

- Poultry Food, 25c, 50c and .....\$1.00 size
- Poultry Food, pails, \$1.00 and ..... 2.75 size
- Louse Killer ..... .25 size
- Louse Paint, finest spray ..... .75 size
- Pheno Cholera Disinfectant ..... 50 size

**STOCK REMEDIES—INTERNATIONAL**

- Hog Worm Remedy .....\$1.00
- Stock Worm Powders ..... .50
- Distemper Remedy ..... .50
- Heave Remedy ..... .50
- Hoof Remedy ..... .50
- Hoof Ointment ..... .50
- Gall Cure, 25c and ..... .50
- Colic Cure, 50c and ..... 1.00
- Dan Patch White Liniment ..... .50
- Stock Food, 25c, 50c and ..... 1.00

**THERMOMETERS.**

**SELECT GRADE DAIRY.** Nickered, brass scales, figures and graduation. White back mercury tube. Range 20° to 220°.

**HOTBED THERMOMETER.** Wood frame, with handle; brass pointed ferrule; magnifying mercury tube. Range 20° to 160°. Made especially for mushroom growers. Each, \$2.00.

**TYCOS THERMOMETERS.** The reputation and guarantee is backed by sixty years' standing by the trade mark of Tycos.

**BROODER THERMOMETER.** If you want to keep your chickens after they are hatched use a good thermometer, and Tycos are the best. Each, 75c.



Don't Worry!  
Conkey Will Cure Me

**PRATT'S**

A favorite all the world over and a line of goods that can't be beat.

- Roup Cure, 25c and .....\$0.50 size
- White Diarrhoea ..... .25 size
- Regulator, 25c, 50c and 1.00 size
- Regulator, pails, \$1.25 and ..... 2.50
- Liquid Lice Killer, 35c and ..... .60 size

**LEE'S**

- Germozone (finest anti-septic) .....\$0.50 size
- Lice Killer, 35c and ..... 1.00 size
- Chick Grower ..... .25 size
- Carbolium, 35c, 60c and ..... 1.00 size
- Standard Fly Killer, 1/2-gal. 50c; gal. .... 1.00
- French's Poultry Mustard, pkg. .... .35

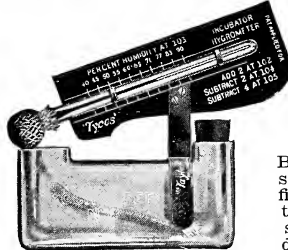
**LAMBERT'S LICE POWDER.** Per pkg., 25c.

**POULTRY PUNCH.**



All steel, nickel plated Punches clean holes. Will not bruise foot. Each, 25c.

**WIRE HEN'S NESTS.** Extra heavy. Each, 20c.



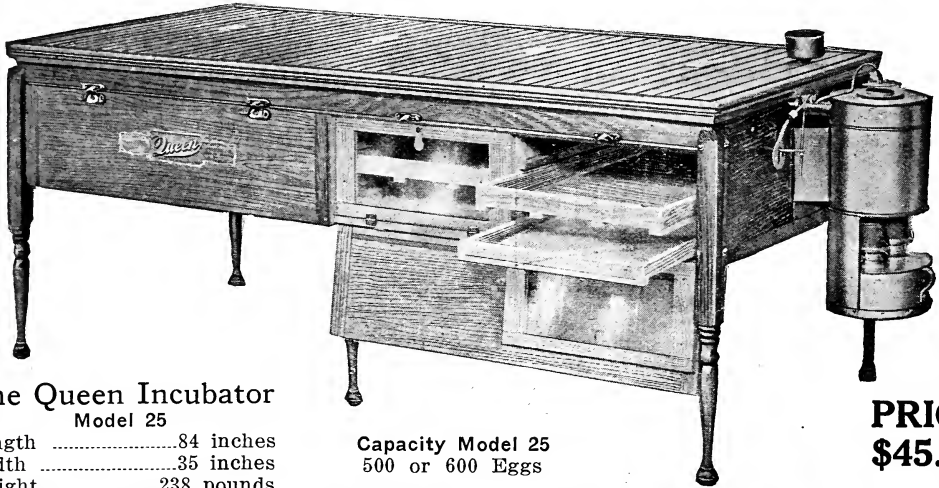
**TYCOS INCUBATOR THERMOMETER**

Black oxidized brass scale, white filled figures and graduations; glass cistern; silk wick. Complete directions with each instrument. Each, \$1.50.

**STANDARD INCUBATOR THERMOMETER.**

With adjusted brass legs. One of the greatest necessities of a successful hatch is a thermometer that you can depend on. The Tycos are all thoroughly tested before sent out. Each, 75c.

We have been agents for the QUEEN INCUBATOR for the past 5 years and have had the exceptional experience of selling many of our first customers additional machines every season following. In fact every purchaser of the 500 size the first year have added one or more machines of the same size every season since. We had but 4 of the machines the first year and have ordered 50 for this season, which indicates the popularity of this size. Most users place the eggs on the small end and arrange in regular rows and are enabled to place 600 eggs in each machine which hatch equally well as when eggs are placed on the side.

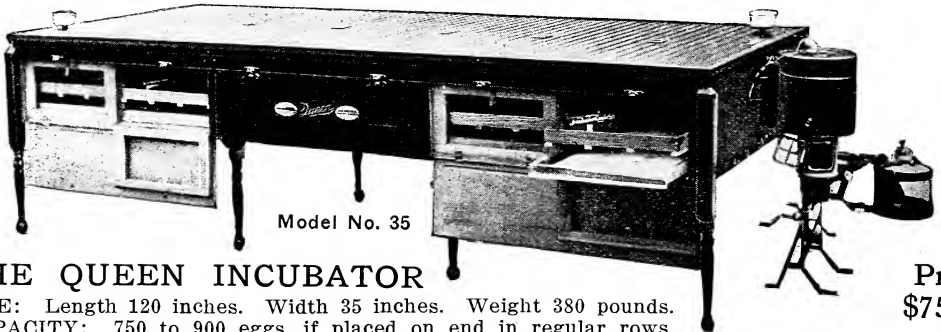


**The Queen Incubator**  
Model 25

Length .....84 inches  
Width .....35 inches  
Weight .....238 pounds

Capacity Model 25  
500 or 600 Eggs

**PRICE**  
**\$45.00**



Model No. 35

**THE QUEEN INCUBATOR**

SIZE: Length 120 inches. Width 35 inches. Weight 380 pounds.  
CAPACITY: 750 to 900 eggs, if placed on end in regular rows.

This machine, Model No. 55, has a capacity of from 2000 or 2400 eggs if placed on end in regular rows. It is equipped with a double heater. Length 120 in. Width 88 in. Weight 960 lbs. Capacity 2000 eggs. Price \$180.

The trays in this machine are of different size from the other models described, there being two trays in each compartment placed on the same level however.

Price  
**\$75.00**



CAPACITY  
2000 EGGS

Model No. 55

Length .....120 inches  
Width ..... 88 inches  
Weight .....960 pounds

This model gives perfect  
satisfaction  
**PRICE \$180.00**

The 1000 Egg Size is of the same construction as the 2000 except that there is but one unit 120 in. by 46 in.

**INCUBATORS—Continued**

We have a few Model No. 2 **QUEEN INCUBATORS**, 130-egg size, that are slightly discolored but are otherwise in perfect condition, that we offer at the exceptionally low price of \$12.50 F. O. B. Seattle. They are fully guaranteed.

**WE GIVE BELOW A COMPLETE SCHEDULE OF PRICES**

No. 2—	130	egg size	.....	\$ 18.00
No. 4—	250	egg size; actual capacity	300.....	26.00
No. 5—	375	egg size; actual capacity	450.....	34.00
No. 25—	500	egg size; actual capacity	600.....	45.00
No. 35—	750	egg size; actual capacity	900.....	75.00
No. 45—	1000	egg size; actual capacity	1200.....	95.00
No. 55—	1500	egg size; actual capacity	1800.....	135.00
No. 65—	2000	egg size; actual capacity	2400.....	190.00

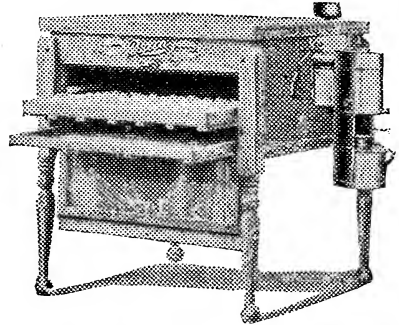
**CHICKS QUEEN CHICKS**  
**10 or QUALITY 1000**

**HATCHED FROM NOVEMBER LAYERS**

We will have all of the eggs from 3,000 White Leghorn hens, every one kept for breeding because she delivered the goods when eggs were worth the money.

**OUTPUT OF A HATCHERY**  
**WE CAN POSITIVELY GUARANTEE**  
**DELIVERY ON DATE PROMISED**

We have the output from a Hatchery 30x100 feet filled to capacity with **QUEEN INCUBATORS** and operated by an expert incubator man of seven years' experience.



**WE GUARANTEE EVERY CHICK TO BE A LIVE ONE WHEN DELIVERED**

We sold 40,000 chicks last season and turned away orders for 45,000 that we could not fill. We can deliver 70,000 chicks this season and to facilitate our arrangements we offer a special discount of 5% on all chicks ordered for 1917 delivery; if ordered before February 1st, 1917, and accompanied with 10% of order; balance of our 25% deposit can be paid at any time up to three weeks before delivery date and the remainder C. O. D. if so desired.

**REDS AND ROCKS**

We will have about 750 Reds per week and about 400 Rocks, all **QUEEN QUALITY CHICKS**. They are the same stock that we have furnished our customers for the past 5 years.

Our price is \$15.00 per 100 straight for March, April and May; June, \$12.50 if ordered 3 weeks in advance.

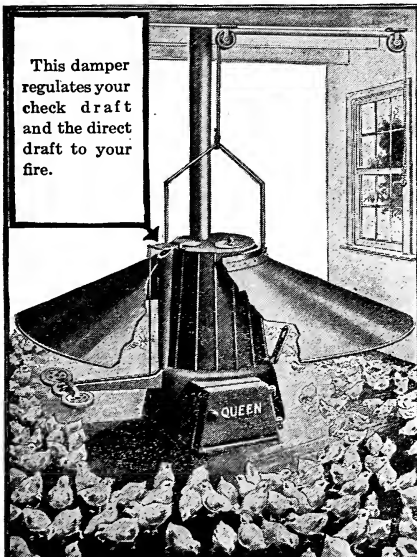
**COAL BURNING HOVER**

Following their past conservative custom, which calls for careful test before offering to the public, the **QUEEN INCUBATOR CO.** have perfected a coal burning hover which has stood the test of experience.

This hover is of sufficient size for from 50 to 1250 day-old chicks and comes at the very reasonable price of only \$18.50 F. O. B. Seattle.

**OUR GUARANTEE**

**WE GUARANTEE EVERY INCUBATOR, BROODER OR COAL BURNING HOVER SENT OUT BY US. IF IT IS NOT SATISFACTORY RETURN IT AND WE WILL RETURN YOUR MONEY.**



**WHITE LEGHORNS**

January and February .....	\$12.00 per 100	\$115.00 per 1000
March .....	11.00 per 100	100.00 per 1000
April .....	10.00 per 100	95.00 per 1000
May 1st to May 15th .....	9.00 per 100	85.00 per 1000
May 15th to June 10th .....	8.00 per 100	75.00 per 1000

500 to 5,000 orders are our specialty. 25% of cash with order, balance C. O. D., F. O. B. Seattle, Wn.



## PRICE LIST FOR HATCHING EGGS FOR 1917

White Leghorn hatching eggs.....	75c per setting or \$4.00 per 100
Barred Rocks hatching eggs.....	75c per setting or \$5.00 per 100
White Orpington hatching eggs.....	75c per setting or \$5.00 per 100
R. I. Reds hatching eggs.....	75c per setting or \$5.00 per 100

### HATCHING EGGS FROM SPECIAL MATINGS

R. I. Reds.....	\$1.50
White Leghorns.....	1.50
White Orpingtons.....	1.50
Barred Rocks.....	1.50

We guarantee all hatching eggs sold by us to be 80% fertile. We make positively no guarantee as to the hatch. All our setting eggs will bear our stamp and in order to claim the benefit of the guarantee the infertile eggs must

be returned to us within 14 days from the date of sale. We will either furnish additional eggs to make good for the infertile ones or pay for the same at our option.

Our hatching eggs are from two-year-old stock selected by the Hogan system as heavy layers; they are strictly utility stock, our only claim is that they are thoroughbred and from heavy layers—we are not fanciers. These prices are net and do not include postage or express charges, which must be paid, in all cases, by the purchaser.

## WHAT SOME OF OUR SATISFIED CUSTOMERS SAY

Cosmopolis, Wash., April 30, 1916.

Pacific Poultry Co.,  
105 Seneca St., Seattle.

Sir:

Chicks came all O. K.

Yours truly,

CLARENCE BELLS.

Lamona, Wash., April 24, 1916.

Everett, Wash., April 17, 1916.

I will be in Seattle on the 26th of this month and will want 250 or 300 Reds. If you can't have them on the 26th let me know how soon after the 26th you can have them. If you do not recognize my name you will find it on your last year's books, as I bought 700 baby chicks from you.

Yours truly,

JOHN FICEL.

Sumner, Wash., April 15, 1916.

Pacific Poultry Co.

Gentlemen:

On what date before May 15th can you furnish another 100 chicks. I can handle May 1st if you have some to spare. The ones you sent me are doing fine.

Respectfully,

M. M. PRATT.

Pacific Poultry Co., Seattle, Wash.

Gentlemen:

When can you ship me 100 Leghorn chicks? If you can ship them about the first of May let me know and I will send the \$9.00. I ordered 150 S. C. R. I. from you this spring, fifty of them for another party. I have been able to recommend you to several parties. My chicks came in good condition.

Respectfully,

I. V. TUCKER.

P. S.—Does the brooker go with the hundred chicks at \$9.00?

Burbank, Wash., March 6, 1916.

Pacific Poultry Co.,  
Seattle, Wash.

Dear Sir:

I would like you to send me your price list of young chicks, and will you be able to send me 150 baby chicks the 11th of April, White Wyandotte or Buff Plymouth Rocks? Let me know by return mail. The chicks I received last spring were as nice a bunch of chicks as I ever saw. I only lost three out of 100.

Respectfully,

L. O. DUNLAP.

## NOTICE

### THE PACIFIC POULTRY CO.

ASSUMES ALL RESPONSIBILITY FOR THE QUEEN INCUBATORS AND BROODERS AND QUEEN QUALITY CHICKS ADVERTISED IN THIS CATALOGUE.

Although The Aabling-Boyce Seed Company have kindly co-operated with us by allowing us to use these pages in advertising our goods, it is understood that they assume no responsibility for the goods thus advertised, and all orders for these goods may be sent direct to us.

### THE PACIFIC POULTRY CO. GUARANTEES AS FOLLOWS

THAT EVERY QUEEN INCUBATOR OR BROODER PURCHASED THROUGH THIS CATALOGUE TO BE SATISFACTORY OR MONEY REFUNDED.

THAT EVERY CHICK SHIPPED BY EXPRESS TO REACH EXPRESS OFFICE AT DESTINATION IN GOOD ORDER AND ALIVE AND WILL REFUND FOR ALL DEAD CHICKS IF CLAIM IS ACCOMPANIED BY EXPRESS AGENT'S STATEMENT OF LOSS.

PACIFIC POULTRY CO. Selling Agents  
QUEEN INCUBATOR CO.  
QUEEN HATCHERY.

## BEE SUPPLIES FOR WESTERN BEEKEEPERS

Although we have for some years dealt extensively in Bee Supplies, we have not before listed them in our catalogue, but we have decided to do so in the future for the convenience of our patrons, who may be assured that they will find the same satisfaction in dealing with us in this line, and the same courteous willingness to "do the right thing" that has always distinguished us in all the departments of our business.

We handle the reliable **A. I. Root Company's** Bee Supplies, and can heartily recommend them to such of our customers as have not, by personal experience, discovered their high standard of excellence.

We solicit your kind patronage.

### DOVETAILED HIVES FOR COMB HONEY

While this hive is made either in eight-frame or ten-frame size, we recommend the ten-frame. It consists of a Dovetailed Body or Brood Chamber with Hoffman self-spacing brood frames, an Excelsior Cover, and a Reversible Bottom. It is the same as a 1-Story Hive for Extracted Honey. No super or honey-storing chamber is included with this hive at the following prices, but you order separately any style of super listed to use on this hive.

### ONE-STORY DOVETAILED HIVES

Including Dovetailed Body, Excelsior Cover, Reversible Bottom, and Hoffman Self-Spacing Brood Frames.

	Hive	Hives	5 Hives
	1	5	Weight
1 Story, 8 Frame. Without Foundation Starters.....	\$2.30	\$8.35	108 lbs.
1 Story, 10 Frame. Without Foundation Starters.....	2.35	8.80	116 lbs.
1 Story, 8 Frame. Including Foundation for One-Inch Starters .....	2.40	8.70	110 lbs.
1 Story, 10 Frame. Including Foundation for One-Inch Starters .....	2.45	9.20	118 lbs.

### HIVES WITH NO. 1 REGULAR SUPERS FOR

#### 4 1/4 x 4 1/4 x 1 7/8 BEEWAY SECTIONS

	No Sections or Foundation		
	Hive	Hives	Weight
	1	5	5 Hives
1 1/2 Story, 8 Frame.....	\$3.15	\$11.20	143 lbs.
1 1/2 Story, 10 Frame.....	3.25	11.90	152 lbs.
2 Story, 8 Frame.....	3.95	14.05	178 lbs.
2 Story, 10 Frame.....	4.15	15.00	188 lbs.

#### With Sections and Foundation

1 1/2 Story, 8 Frame.....	3.55	12.65	145 lbs.
1 1/2 Story, 10 Frame.....	3.70	13.50	154 lbs.
2 Story, 8 Frame.....	4.65	16.65	182 lbs.
2 Story, 10 Frame.....	4.95	18.35	192 lbs.

#### One Story Dovetailed Hive with Double Telescope Cover

#### FOR 4 1/4 x 4 1/4 x 1 7/8 BEEWAY SECTIONS

This is the same as is shown with the 1 1/2 Story Hive and is the style most commonly used. We always furnish this style unless one of the other styles are specified.

It takes the regular 4 1/4 x 4 1/4 x 1 7/8 beeway sections, slotted section holders, slotted sawed separators, and a follower and springs for squeezing the sections tight. The eight-frame size holds twenty-four sections, and the ten-frame twenty-eight sections.

### NO. 2 OR PLAIN SUPER FOR 4 1/4 x 4 1/4 x 1 1/2 PLAIN SECTIONS

This super is preferred by some bee-keepers who claim that they get more even and better filled sections. It is the same size as the No. 1, and holds the same number of sections. The difference is in the inside furniture, being equipped with the fence style separator and plain section holders. These section holders take the plain or no bee-way sections, the cleats on the fences taking the place of bee-ways.

The eight-frame size is equipped with six section holders, seven fences and springs, and will hold twenty-four sections. The ten-frame size is equipped with seven section holders, eight fence separators, springs and follower, and will hold twenty-eight sections.

### PRICE LIST: NO. 1 OR REGULAR SUPER

#### No Sections or Foundation

	No Sections or Foundation		
	Hive	Hives	Weight
	1	5	5 Hives
8 Frame .....	\$0.85	\$2.85	35 lbs.
10 Frame .....	.90	3.10	36 lbs.

#### With Sections and Foundation

8 Frame .....	1.15	4.00	37 lbs.
10 Frame .....	1.25	4.40	38 lbs.

### PRICE LIST: NO. 2, NO. 4, AND NO. 3

#### SUPERS

	No Sections or Foundation		
	Hive	Hives	Weight
	1	5	5 Supers
8 Frame .....	\$.90	\$3.05	37 lbs.
10 Frame .....	.95	3.40	40 lbs.

#### With Sections and Foundation

8 Frame .....	1.20	4.25	39 lbs.
10 Frame .....	1.30	4.65	42 lbs.

### EMPTY SUPERS: ANY OF ABOVE STYLES

#### Outside Shell Only, Without Any Inside Fixtures

	Empty Supers		
	Hive	Hives	Weight
	1	5	5 Supers
8 Frame .....	\$.45	\$1.60	20 lbs.
10 Frame .....	.50	1.65	20 lbs.

### COVERS FOR DOVETAILED HIVES

	Covers		
	Style and Size.	1 Cover	5 Covers
		Weight	5 Covers
8 Frame Excelsior .....	\$.55	\$2.15	26 lbs.
10 Frame Excelsior .....	.60	2.30	27 lbs.
8 Frame Ventilated Gable..	.55	2.15	25 lbs.
10 Frame Ventilated Gable..	.60	2.30	27 lbs.
8 Frame Colorado, Inner Cover .....	.75	3.15	40 lbs.
10 Frame Colorado, Inner Cover .....	.80	3.30	42 lbs.
8 Frame Metal Roof, Inner Cover .....	.75	3.15	38 lbs.
10 Frame Metal Roof, Inner Cover .....	.80	3.30	40 lbs.
Colorado and Metal Roof without Inner Cover, deduct 14c.			

### REVERSIBLE BOTTOM

The Reversible Bottom is the regular style furnished with the Dovetailed Hives. It is constructed of 3/8-inch material, and arranged so that it may be used either side up. One side provides a 3/8-inch entrance and the other a 1/2-inch entrance. It is the best and simplest.

#### Size of Bottom

	Size of Bottom		
	Bottom	5 Bottoms	5 Bottoms
	1	5	Weight
8 Frame Hive Bottom..	\$.45	\$1.65	23 lbs.
10 Frame Hive Bottom..	.50	1.75	27 lbs.

## BEE SUPPLIES—CONT'D.

Sides, Ends and Metal Rabbets Only. No Brood Frames or Division Boards

8 Frame .....	.75	2.95	35 lbs.
10 Frame .....	.80	3.10	40 lbs.

### SHALLOW EXTRACTING SUPERS

This style has Shallow Extracting Supers, 5½ inches deep, equipped with Shallow Extracting Frames 5½ inches deep, and is adapted to localities where the honey flow is short and colonies of moderate strength.

Hives, Supers, Covers, etc., are packed in bundles of five, in the flat. One, or less than five, will be nailed up.

### SHALLOW EXTRACTING SUPERS

With Shallow Frames and Follower.

Without Starters

	1	5	Weight
	Super Supers		5 Supers
8 Frame Super .....	\$0.85	\$2.95	35 lbs.
10 Frame Super .....	.95	3.35	42 lbs.

With Foundation Starters

8 Frame Super .....	.95	3.30	36 lbs.
10 Frame Super .....	1.00	3.70	43 lbs.

### EMPTY SHALLOW EXTRACTING SUPERS

Outside Shell Only. Without Frames

or Follower

	1	5	Weight
	Super Supers		5 Supers
8 Frame Empty Super .....	\$0.45	\$1.60	20 lbs.
10 Frame Empty Super .....	.50	1.65	20 lbs.

### HOFFMAN FRAME

In Flat, Including Nails

	10	100	Weight
Self-Spacing Hoffman .....	\$0.40	\$3.50	47 lbs.
Metal Spaced .....	.50	4.25	50 lbs.
Shallow Extracting .....	.35	3.00	28 lbs.

### DIVISION BOARDS

One of these boards is included with each Dove-tailed Hive, and is used as a follower with the frames. It is not used with the Ten-Frame Hives except in case of weak swarms for reducing brood space. They are also furnished for Shallow Extracting Supers.

	1	10	Weight
			10
Division Boards, in flat .....	\$0.10	\$0.85	15 lbs.
Division Boards, nailed .....	.15	1.05	15 lbs.
Shallow Division Boards, flat .....	.10	.75	10 lbs.
Shallow Division Boards, nail .....	.15	.95	10 lbs.

### SECTION HOLDERS

	10	100	Weight
			100
Slotted Section Slats .....	\$0.20	\$1.40	15 lbs.
Ideal Plain Section Slats .....	.15	1.25	18 lbs.
Slotted Section Holders .....	.30	2.60	30 lbs.
Plain Section Holders .....	.25	2.30	30 lbs.
No. 4 Section Holders .....	.25	2.30	35 lbs.
Slotted Separators .....	.15	1.30	8 lbs.
Plain Separators .....	.15	1.10	6 lbs.
Fence Separators, any style .....	.25	2.40	12 lbs.

All prices quoted in this catalog, except when otherwise specified, are for goods F. O. B. Seattle. If goods are to be shipped by parcel post, or by freight to a station where there is no agent, remittance must include amount to pre-pay charges.

### METAL PARTS FOR HIVES

	10	100	Weight
			100
Tin Rabbets, 12 inch .....	\$0.15	\$1.40	7 lbs.
Tin Rabbets, 14 inch .....	.15	1.40	8 lbs.
T-Tins, 13 inch .....	.15	1.40	7 lbs.
T-Tins, 15 inch .....	.20	1.55	8 lbs.
Flat Tins, 13 inch .....	.10	.60	3 lbs.
Flat Tins, 15 inch .....	.10	.75	4 lbs.

### SECTIONS STANDARD BEEWAY

The 4¼x4¼x1½ is the standard section. We can furnish it in four styles, open one, two, three, or four sides. Unless the order specifies otherwise, we always ship the 4¼x4¼x1½ open two sides. We can furnish these in either No. 1 or No. 2 grade.

## PRICE LIST COMB FOUNDATIONS

When ordering foundation to be shipped by parcel post, please bear in mind that the gross weight of one pound of foundation is about one and one-half pounds.

Grade—	1 lb.	5 lbs.	10 lbs.	25 lbs.
Medium Brood, per lb.....	\$0.70	\$0.65	\$0.63	\$0.61
Light Brood .....	.70	.67	.65	.63
Thin Surplus .....	.75	.72	.70	.68
Extra Thin Surplus.....	.80	.75	.73	.71

## QUEEN EXCLUDING HONEY BOARDS

Are used to confine the queen to the brood-chamber, and are very generally used in the production of extracted honey.

	1	10	Weight
Wood and Wire, 8-frame.....	\$0.45	\$3.75	24 lbs.
Wood and Wire, 10-frame.....	.50	4.25	28 lbs.
Wood and Zinc, 8-frame.....	.30	2.45	14 lbs.
Wood and Zinc, 10-frame.....	.30	2.65	16 lbs.
Wood Bound Zinc, 8-frame... ..	.25	2.30	10 lbs.
Wood Bound Zinc, 10-frame... ..	.30	2.50	11 lbs.
Unbound Zinc, 8-frame .....	.25	1.70	6 lbs.
Unbound Zinc, 10-frame .....	.25	1.90	7 lbs.
Unbound Zinc, 16x20 .....	.30	2.10	8 lbs.

## SIZE AND NUMBER OF SHEETS

PER POUND

We can furnish foundation in the following sizes only:

Medium Brood .....	16½x7½; 7 to 8 sheets per lb.
Light Brood .....	16½x7½; 9 to 10 sheets per lb.
Thin Surplus .....	16½x3¾; 28 to 29 sheets per lb.
Extra Thin Surplus.....	16½x3¾; 32 to 33 sheets per lb.

## PLAIN SECTIONS

The following Plain or No Beeway sections are carried in stock: 4¼x4¼x1½, 4x5x1½, and 3¾x5x1½. We can furnish these in the No. 1 grade only.

Quantity—	No. 1	No. 2	Wt.	Plain Sections	No. 1	Wt.
100 .....	\$0.90	\$0.80	7 lbs.	\$0.90	6 lbs.	
500 .....	3.25	3.00	35 lbs.	3.25	30 lbs.	
1000 .....	6.25	5.75	70 lbs.	6.00	60 lbs.	

If sections are required in quantities greater than one thousand, please write for special prices, stating quantity and style wanted.

## FRAME SPACING STAPLES

1 pound.....	.20c	5 pounds.....	.75c
--------------	------	---------------	------

## SUPER SPRINGS

These springs are used for holding sections tight in supers, and are much superior to any wedging device. Weight, 1½ lbs. per 100. Price, 1c each; 80c per 100; \$6.50 per 1,000.

## CARLIN FOUNDATION CUTTER

Very convenient for cutting foundation into any desired size. Weight, 3 oz. Price, 20c.

## SPUR WIRE IMBEDDER

A very handy tool for imbedding the wire into the foundation when wire is used in frames in connection with full sheets. Weight, 3 oz. Price, 25c.

## PARKER FASTENER

For the small bee-keeper this is a simple and low priced device for fastening 4¼x4¼ sections. Weight, 1 lb. Price, 40c.

## COGGSHALL BEE BRUSH

One of the oldest styles, and preferred by some, although we do not consider it as good as either of the others. Weight, 6 oz. Price, 20c.

## BINGHAM HONEY KNIFE

An improvement over the old Bingham knife, having flanges on the shaft, providing a grip for finger and thumb. Weight, 12 oz. Price, 80c.

## PRICE LIST: BEE SMOKERS

	Size	Barrel	Weight	Price
Bingham, Smoke Engine.....	4 in.	2 lbs.		\$1.40
Bingham, Doctor .....	3½ in.	1½ lbs.		1.00
Bingham, Conqueror .....	3 in.	1¼ lbs.		.90
Bingham, Little Wonder.....	2½ in.	1 lb.		.60
Cornell, Standard .....	3¾ in.	1¾ lbs.		1.00
Cornell, Junior .....	2½ in.	1 lb.		.80
Danzenbaker .....		1¾ lbs.		1.15
Clark Smoker .....		1¼ lbs.		.70



## BEE KEEPERS' SUPPLIES

### THE HATCH WAX-PRESS

Except for the beekeeper who is making a business every day of rendering old combs in a wholesale manner, we know of no better wax-extractor than the Hatch wax-press. It is built after the Hatch-Gemmill design, so well known, and every part has been most thoroughly tested to stand the enormous strain placed upon a machine of this sort. If directions are followed it will clean the slumgum so that there need not be more than two per cent of the wax left. We have carefully tested all the wax-presses on the market, and believe that, for the average beekeeper, it is not only the cheapest in cost, but the cheapest to operate, of any that have been sold. The quality of the wax is much superior to that from any other press or machine except the solar extractor. The combs are melted in one or two wash-boilers, and, when hot enough, are dipped into burlap inside the can with plenty of water, and pressed. The great bulk of boiling water surrounding the cheese prevents rapid chilling, and the work proceeds without delay.

Hatch Wax-press. Price \$8.00; weight 45 lbs.

### THE ROOT AUTOMATIC REVERSIBLE EXTRACTOR

This we consider by all odds to be our best machine. It has all the latest attachments, and is capable of heavy work. The automatic reversing feature has stood the test of hard usage for a number of years in many of the largest apiaries in the world. It is simple and positive in its action, the entire mechanism being above the reel and out of the honey.

To reverse, a slight pressure on the brake slows down the reel. The pockets turn the other side to without entirely stopping the machine. It is then speeded up to its limit, when the slip-gear mechanism, through the action of the lever, turned from the position of the dotted line here shown, throws the large gear-wheel out of mesh with the pinion on the reel, leaving the crank at rest. In the meantime the reel, now free of the drag of the crank, hums like a top, for it is hung on ball bearings, top and bottom. The acquired momentum, without any muscular force, continues to throw out the honey while the operator is uncapping another set.

### PRICE LIST OF ROOT AUTOMATIC EXTRACTORS

No. 25B.	—Root Automatic for four L. frames, 3 to 1 hand gear, 29 in. diameter (weight 210 lbs.)	\$35.00
The above machine cannot be run by power without changing the entire gear.		
No. 25BF.	—Root Automatic for four L. frames, 1 to 1 friction gear for power (weight 260 lbs.)	44.00
No. 27B.	—Root Automatic with four 12-in. pockets, 2 to 1 gear, 36 in. diameter (weight 300 lbs.)	44.00
No. 27BF.	—Root Automatic with four 12-in. pockets, 1 to 1 friction gear for power (wt. 300 lbs.)	48.00
No. 30B.	—Root Automatic with six 9½-in. pockets, 2 to 1 gear, 34 inches diameter (wt. 300 lbs.)	49.00
No. 30BF.	—Root Automatic with six 9½-in. pockets, 1 to 1 friction gear for power (wt. 300 lbs.)	53.00
No. 37B.	—Root Automatic with six 12-in. pockets, 2 to 1 gear, 37¼-in. diameter (wt. 350 lbs.)	54.00
No. 37BF.	—Root Automatic with six 12-in. pockets, 1 to 1 friction gear for power (wt. 370 lbs.)	58.00
No. 40B.	—Root Automatic with eight 9½-in. pockets, 2 to 1 gear, 37¼-in. diameter (wt. 350 lbs.)	58.00
No. 40BF.	—Root Automatic with eight 9½-in. pockets, 1 to 1 friction gear for power (wt. 370 lbs.)	62.00
No. 47B.	—Root Automatic with eight 12-in. pockets, 2 to 1 gear, 43-in. diameter (wt. 390 lbs.)	64.00
No. 47BF.	—Root Automatic with eight 12-in. pockets, 1 to 1 friction gear for power (wt. 435 lbs.)	69.00

### PORTER DOUBLE BEE-ESCAPE

Beekeepers all around this wide world generally have agreed that the Porter bee-escape was very much the best to be had.

We are listing the Porter Double-exit bee-escape, which is an improved form of the same principle and size as the single escape. As the single escape was in the lead, so this double-ended escape is far superior to any other form of escape to be had. Clogging and its attendant troubles are practically impossible, because the double-end or "double-barrel" form of construction always provides a reserve exit which is an absolute guarantee that the escape will always free the super of bees. With its great capacity for sure work, ventilation and speed, no beekeeper can afford to be without it. All Porter escapes fit same size hole in escape-board.

Double bee-escape. Price 17c; doz., \$1.85. With board, 32c; \$2.90 per 10, not prepaid.

### QUEEN AND DRONE TRAP

Alley's Queen and Drone Trap is used during swarming time to prevent the escape of swarms. When the swarm comes out, the queen, being unable to pass the wire queen excluder, passes into the upper compartment through the wire cones. The trap can then be taken off the hive, the hive removed, and the trap placed on another hive in the old location.

In a very short time the swarm will return, when the slide in the trap may be drawn, allowing the queen to pass downward in with the swarm.

The trap can also be used to prevent mated or undesirable drones from crossing with young queens on their mating flight. The drones, failing to pass the wires, pass upwards through the cones. Weight 1 lb. Price 60c.

### HIVE SCRAPER

A very handy tool for scraping hives, supers, bottom boards, etc. Weight, ½ lb. Price, 20c.

### DAISY FOUNDATION-FASTENER

This has been improved by a cast-iron plate with ribs on the edge, and projecting beyond the lamp-chimney, so that the melted wax unused may drip into a can. Complete directions accompany each machine.

We make three sizes of plates, for the ¼, the ¾ and the 1-inch section. Unless you specify which size you want we send the one for the ¾-inch section. Any of the plates fit the same machine, so that you can have extra plates if you use more than one size of section. Price, without lamp, \$1.00; with lamp, \$1.25; extra plates, each, 20c. Weight without lamp, 5 lbs.

### BEE VEILS

These veils are made of the best material and are very durable. The Globe Veil is the most popular, especially with those who are a little timid, as it has a folding metal frame which holds the net away from the face.

Bee Veil, Mosquito Bar	.....	\$0.30
Bee Veil, Cotton	.....	.50
Bee Veil, Cotton with Silk Face	.....	.60
Bee Veil, All Silk	.....	.90
Globe Bee Veil	.....	1.00
Extra Net for Globe Bee Veil	.....	.60
Bee Hat; flexible rim; fits and head	.....	.30

### THE A B C AND X Y Z OF BEE CULTURE

The Largest and Most Complete Work on Bees in the World

By A. I. and E. E. Root.

Contains 730 pages, and printed on finest quality plate paper; profusely illustrated with beautiful half-tone engravings from actual photographs.

You cannot afford to keep bees without it. One hundred and forty-six thousand copies of this great book have been printed. It is the most widely read work on apiculture in the world, and a never-failing encyclopedia of information for professional and amateur beekeepers alike. Price, cloth bound, \$2.00.

"IT PULLS 'EM OUT BY THE ROOTS. THEY CAN'T COME BACK"



SIMPLE DURABLE

RAPID EFFICIENT

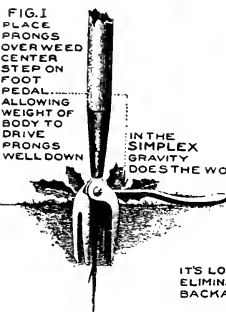


FIG. I  
PLACE PRONGS OVER WEED CENTER STEP ON FOOT PEDAL ALLOWING WEIGHT OF BODY TO DRIVE PRONGS WELLDOWN

IT'S LONG HANDLE ELIMINATES THE BACKACHE

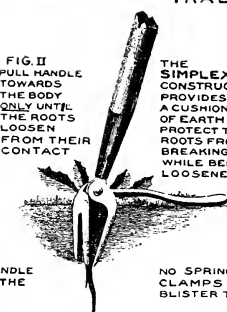


FIG. II  
PULL HANDLE TOWARDS THE BODY ONLY UNTIL THE ROOTS LOOSEN FROM THEIR CONTACT

NO SPRINGS OR CLAMPS TO TIRE OR BLISTER THE HANDS



FIG. III  
STRAIGHTEN UP HANDLE SHIFT PRONG HOLD TO HEAD OF ROOT ABOVE SOIL AND

ITS OPERATION IS SO EASY IT HAS A FASCINATION FOR ALL



FIG. IV  
COMPLETE REMOVAL OF WEED WITH ENTIRE ROOTS FREE OF SOIL OR SOD

PRICE EACH \$1.00

IN THE SIMPLEX A GRAVITY OPENING PERMITS THE WEED TO BE REMOVED WITHOUT SOILING THE HANDS

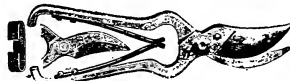
NOTE:—BY FOLLOWING ABOVE DIRECTIONS AND USING WHEN SOIL IS SOFT AND MOIST THE ENTIRE ROOTS CAN BE REMOVED FREE OF SOIL OR SOD

**SPLENDID SELECTION OF UNIVERSAL PRUNING SHEARS**



**J. T. HENRY PRUNING SHEARS**

9-in., California patterns, extra tool steel, full polished, long double brass spring, combined ratchet and nut, warranted. Price, \$1.65.



**WISS PRUNING SHEARS**

8½-in., modeled on genuine Rieser pattern, blades of hand forged extra tool steel, hardened and tempered, steel laid hook, drop forged handles, double brass longitudinal springs, lock nut, regulating ratchet, all parts interchangeable. Price, \$2.50.



**THE CALIFORNIA**

9-in., Rieser pattern, extra tool steel, full polished, long double brass spring, combined ratchet and nut, an extra blade with each shear, fully warranted. Price, \$1.25.



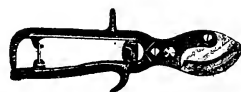
**UNIVERSAL PRUNING SHEARS**

9-in., California pattern, extra tool steel, straw colored blade, volute steel spring, combined ratchet and nut. Price, \$1.25.



**UNIVERSAL PRUNING SHEARS**

9-in., California pattern, cast steel blade, volute steel spring. Price, 60c. Ladies' size, 6-in., nickel-plated. California pattern, cast steel blade, volute steel spring. Price, \$1.00.



**UNIVERSAL PRUNING SHEARS**

Henry pattern, improved, cast steel blade, Japanned malleable iron handles, volute steel spring, length, 8¾ inches. Price considered, these are very good shears. Price, 40c.



**HEDGE SHEARS**

Weight per pair 3½ lbs. Regular pattern, steel laid blade, polished steel ferrule, maple handles. Each, \$1.75.



**PRUNING SHEARS**

Heavy Curved Forged Steel Blade and Hook, 3 in. long; offset shank, heavy hinge bolt and nut; 20 in. varnished hardwood handles, steel ferrules. Each, \$2.50.

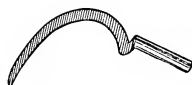


**GRASS HOOK OR SICKLE**

Solid steel hook, with hardwood handle. Weight ¾ lb. Price, each, 40c.

**GRASS HOOKS**

Same pattern as above. Extra quality. Finely finished. Each, 40c.



**OFFSET GRASS HOOK**

High grade steel blade. The wood handle is raised or offset, removing it from the ground and affording an easy grip without danger of injury to the hand. Each, 40c.



**TREE PRUNER**

Standard Improved Tree Pruner. Complete with wood pole. Pruning can be done standing on the ground, without climbing or using ladder.

No. Length Price  
1009—6 ft. \$0.75  
1010—8 ft. .80  
1011—10 ft. .90  
1012—12 ft. 1.00  
1013—Extra knives for Pruner, each 15c.

**WOOD HANDLE PRUNING SHEARS**

Has a shear cut. Will work with greater ease than any other pruner of this style. Forged steel blades, riveted to the ferrule. Will not come loose. Total length, 26 in. Weight, 3¼ lbs. Each, \$1.25.

**CALENDAR FOR 1917.**

<p><b>1917 January 1917</b></p> <table border="1"> <tr><th>SUN.</th><th>MON.</th><th>TUE.</th><th>WED.</th><th>THU.</th><th>FRI.</th><th>SAT.</th></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>							SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				<p><b>1917 February 1917</b></p> <table border="1"> <tr><th>SUN.</th><th>MON.</th><th>TUE.</th><th>WED.</th><th>THU.</th><th>FRI.</th><th>SAT.</th></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td></tr> </table>							SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				<p><b>1917 March 1917</b></p> <table border="1"> <tr><th>SUN.</th><th>MON.</th><th>TUE.</th><th>WED.</th><th>THU.</th><th>FRI.</th><th>SAT.</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>							SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
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**WHEN TO PLANT**

**THE DIFFERENT VARIETIES OF SEEDS**

**FEBRUARY**—If weather permits you can plant Peas, Cabbage seed for plants, Radishes, Spinach, Lettuce and Early Potatoes. If you have a sandy loam you can plant Sweet Peas, also Asparagus and Rhubarb roots.

**MARCH**—You can plant besides the above, Cauliflower, Celery and Tomatoes for young plants; Early Beets, Carrots, Onions, Parsley, Turnips and Rutabagas.

**APRIL**—Besides all the above varieties, nearly all varieties of flower seeds can be planted and all other seeds except the following, which should not be planted before

**MAY**—or even the first part of

**JUNE**—Corn, Cucumbers, Squash, Pumpkin, Water Melons, Musk Melons and Beans.

**AND REMEMBER**

That you can always obtain better results and increase your yield by using the **Fertilizer** best suited to the needs of your soil and the crop that you plan to grow.

**We Carry a Complete Line.**

A careful study of pages 77 to 82 will be greatly to your advantage.



**Quantity of Seed Required**

	Quantity per Acre
Alfalfa .....	8 to 15 lbs.
Alsike .....	6 to 10 lbs.
Barley .....	100 lbs.
Beans, Dwarf, 1 lb. to 100 feet of drill.....	50 lbs.
Beans, Tall, 1 lb. to 150 hills.....	25 lbs.
Beet, Garden, 1 oz. to 50 feet of drill.....	5 lbs.
Beet, Sugar, 1 oz. to 50 feet of drill.....	5 lbs.
Beet, Mangel Wurzel, 1 oz. to 50 feet of drill.....	5 lbs.
Buckwheat .....	45 lbs.
Cabbage, 1 oz. for 1500 plants.....	1/2 lb.
Carrot, 1 oz. to 125 feet of drill.....	3 lbs.
Cauliflower, 1 oz. to 2000 plants.....	3 oz.
Celery, 1 oz. to 5000 plants.....	1 lb.
Clover, White and Alsike.....	6 to 10 lbs.
Clover, White, for Lawns.....	25 to 100 lbs.
Clover, Red, Mammoth and Crimson.....	12 to 20 lbs.
Corn, Sweet, 1 lb. to 200 hills.....	15 lbs.
Corn, Field.....	12 to 20 lbs.
Corn, Fodder.....	125 lbs.
Grass, Lawn, 1 lb. to 300 square feet.....	145 lbs.
Grass, Kentucky Blue, Canadian Blue.....	20 lbs.
Timothy.....	25 lbs.
Eye Grass, Oat Grass, Fescue Grasses.....	30 lbs.
Orchard Grass.....	40 to 60 lbs.
Hemp.....	40 to 50 lbs.
Kale, Thousand Headed.....	1 lb.
Millet.....	30 lbs.
Oats.....	75 lbs.
Onion, 1 oz. to 250 feet of drill.....	5 lbs.
Onion Sets, 1 lb. to 75 feet of drill.....	400 lbs.
Parsnip, 1 oz. to 200 feet of drill.....	6 lbs.
Peas, Garden, 1 lb. to 50 feet of drill.....	200 lbs.
Peas, Field.....	150 lbs.
Potatoes.....	400 lbs.
Radish, 1 oz. to 100 feet of drill.....	10 lbs.
Rape, Dwarf Essex.....	5 to 10 lbs.
Rye.....	90 to 120 lbs.
Spinach, 1 oz. to 100 feet of drill.....	8 lbs.
Tomato, 1 oz. to 2000 plants.....	4 oz.
Turnip, 1 oz. to 150 feet of drill.....	3 lbs.
Vetches, Spring.....	60 to 90 lbs.
Wheat.....	90 to 120 lbs.

**Usual Distances for Planting**

Beans, Bush, drills 2 to 3 feet apart.  
 Beans, Pole, 3 to 4 feet each way.  
 Beets, Early, drills, 12 to 18 inches apart.  
 Beets, Late, drills, 2 to 3 feet apart.  
 Blackberries, erect growing, 6 to 9 by 4 feet.  
 Blackberries, Mammoth and Himalaya, 8 by 4 feet.  
 Cabbage, Early, 16 by 30 inches.  
 Cabbage, Late, 24 by 30 inches.  
 Carrots, drills, 1 to 2 feet apart.  
 Corn, Sweet, 3 to 3 1/2 feet by 9 to 24 inches.  
 Corn, Field, 3 1/2 to 4 feet each way.  
 Cucumber, 4 to 5 feet each way.  
 Currants, 5 by 3 feet.  
 Egg Plant, 3 by 3 feet.  
 Lettuce, drills 18 inches apart.  
 Melon, Musk, 5 to 6 feet each way.  
 Celery, rows 3 to 4 feet, 6 inches in row.  
 Cherry Trees, 15 to 20 feet each way.  
 Cauliflower, 2 by 2 to 2 by 3 feet.  
 Apple Trees, 20 to 30 feet each way.  
 Asparagus, 3 to 4 by 2 feet.  
 Gooseberries, 5 by 3 feet.  
 Grapes, 8 by 8 to 10 by 12 feet.  
 Melon, Water, 7 to 8 feet each way.  
 Onions, drills, 14 to 20 inches apart.  
 Parsnips, drills 18 to 36 inches apart.  
 Peach Trees, standard, 20 to 25 feet each way.  
 Pear Trees, dwarf, 12 to 15 feet each way.  
 Peas, drills, 2 to 3 feet apart.  
 Pepper, 15 to 18 inches by 2 to 2 1/2 feet.  
 Plum Trees, 15 to 20 feet each way.  
 Potatoes, 12 to 18 inches by 2 1/2 to 3 feet.  
 Pumpkins, 8 to 10 feet each way.  
 Quince Trees, 15 each way.  
 Radish, drills, 10 to 18 inches apart.  
 Raspberries, 6 to 8 by 3 feet.  
 Rhubarb, 2 to 4 feet by 4 feet.  
 Salsify, drills 18 to 24 inches apart.  
 Spinach, drills 12 to 18 inches apart.  
 Squash, Bush, 3 to 4 feet by 4 feet.  
 Squash, Running, 12 feet each way.  
 Strawberries, Hills, 36 to 18 inches.  
 Strawberries, Matted Rows, 48 to 12 inches.  
 Sweet Potatoes, 2 feet by 3 to 4 feet.  
 Tomato, 4 feet by 4 to 5 feet.

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Cut Flowers, Inside Bk. Cover		Lilies .....	53-54	Index .....	61
Chicory .....	12			Raspberries .....	75







**Aabling-Boyce Seed Co.**

**Seattle,**

**WASH.**

**PLANT**

**Tested  
Seeds**

# YOUR GARDEN

FOR 1917

## TO THE GARDEN LOVERS

To get the best results from your garden it is necessary to get the best of seeds. The sower has no second chance. A good beginning is the only safe rule.

Every packet of **AABLING-BOYCE** seed, every bulb, shrub or tree sold by them has behind it years of painstaking and successful endeavor in cross-breeding and selection.

Write us your planting problem. Small places, suburban yards or extensive acreage—where there is room for a bit of green or beauty it is worthy of our attention and we will gladly give you advice thereon.

We wish to thank our many patrons for the compliment which we feel their long and continued patronage is to us and we shall strive, as in the past, by honest endeavor and integrity of purpose, to merit the trust thus given us.

**AS TO WARRANTY.** We believe our seeds will produce for you the best crops you have ever grown, but it must be agreed that we do not warrant crops grown therefrom, either expressed or implied, as to description, purity, productiveness or any other matter, and we will not be in any way responsible for them. If the purchaser does not accept our seeds, etc., on these terms they are at once to be returned and the money that has been paid for the same will be refunded. We appreciate your orders and they receive our prompt attention.

**BE SURE TO GIVE NAME AND ADDRESS** and state whether goods must be shipped by boat or railroad, and if transportation charges must be prepaid, kindly add same to the amount of your order to prevent delay.

**SEND BY MAIL IF YOU CANNOT GET TO SEE US.** We will send you seeds that have been saved with great care. You will be pleased with the crops and satisfied with our prices.

**USE OUR ORDER BLANK IF YOU HAVE ONE.** If you haven't one, use any plain paper.

**IF YOU LIVE ON A RURAL MAIL ROUTE,** just give the letter and the money to the mail carrier and he will get the money order at the postoffice and mail it in the letter for you.

**GUARANTEE. WE GUARANTEE ALL SHIPMENTS** of seeds, when remittance accompanies order, to reach the purchaser safely and in good condition.

**CHANGE OF ADDRESS.** If you have changed or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Catalog at your new postoffice. We thank you for doing this.

"**WE ARE ADVERTISED BY OUR LOVING FRIENDS,**" says a big advertiser, and we feel that this is equally true of us. The users of our seeds are enthusiastic in their endorsement and generously give us large credit for their success in gardening.

**MARKET GARDENERS, FARMERS' CLUBS AND INSTITUTIONS** wanting to purchase seeds in unusually large quantities should write for special prices. We have made prices very low in this Catalog, yet when a number of pounds are wanted we can frequently supply at lower prices than by the single pound. In writing give us a list of quantities and varieties required and we will return list promptly with our lowest price for the lot.

**ALWAYS REMEMBER THAT WE CAN SAVE YOU MONEY, NO MATTER WHERE YOU LIVE.** Write us about any seed you would like to know of, and your letter will be answered the same day it is received. If you wish to know exactly what the freight or express would be on any article to your station, write us and we will tell you.

## TESTED SEED

### PLANT SEEDS THAT GROW—IT PAYS

Buy our tested seeds, which are perfect in quality and of exceptional productiveness.

The initial cost of the seeds is really the smallest cost of your garden and it pays to be sure you are started right. In order that you may have this assurance when you plant our seeds, we not only test them in our thoroughly equipped tester, but have also the finest testing grounds in the West in which all seeds we offer for sale are tested in order that we may be sure that they are true to name and also as a further test of germination. We consider no expense or trouble too great that will insure you against possible failure from poor seed.

If you want a distinctive lawn or flower garden, or a successful vegetable garden, let us furnish you with seeds of perfect quality.

IT WILL GIVE GARDENING A NEW ZEST.

## AABLING-BOYCE SEED CO.

89 Pike St. (Pike Place Market), Seattle, Wash.



# AABLING BOYCE SEED CO.

## CATALOGUE



### IMPORTANT

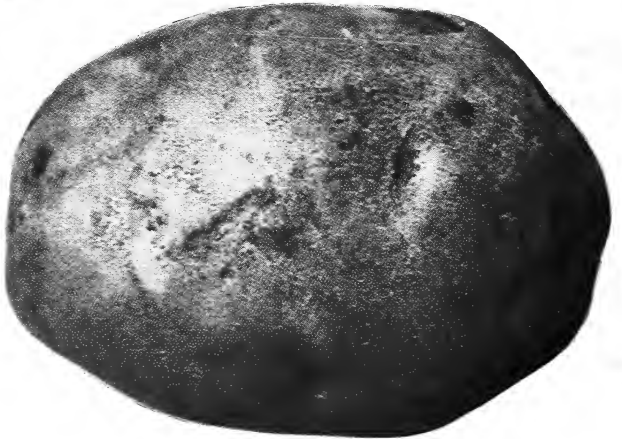
We have used every resource at our command this season to make our flower department the best and most comprehensive in the Northwest, and we respectfully call your attention to the several departments.

You will find in each one the newest and best of its kind and we are confident that in our plants and seeds you will realize the full satisfaction that comes to the gardener who sees the fruition of his hopes in the beautiful blossoms which are the joy and admiration of himself and his friends.

### IRISH BEAUTY POTATO

This potato is, in our estimation, without a peer, and we are delighted to be able to supply it this year in any desired quantity.

It is grown especially for us from selected seed stock. For description see page 18.



### REASONS WHY YOU SHOULD DEAL WITH US

BECAUSE in dealing with us you can expect perfect fairness. Our ultimate aim is your complete satisfaction.

BECAUSE we can give you the benefit and advantage of our expert knowledge.

BECAUSE the seeds and plants we offer are the best that can be produced.

OUR PATRONS ARE OUR FRIENDS