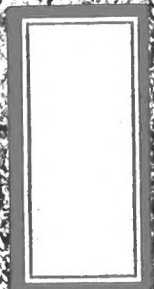


DUPLICATE

# Dupuy & Ferguson

38 JACQUES - CARTIER SQ.

Montreal <sup>Can.</sup>



7/19/21

We make a  
Specialty of  
HARDY  
PLANTS  
AND  
SHRUBS

W. W. Tracy, Inc.

1921

# GINSENG

Ginseng is a valuable medical root that naturally grew wild in hardwood bushes throughout Ontario, and which is now being successfully cultivated by many growers. A good yield will average \$10,000 per acre. Many growers are doing considerably better than this. Last year the price paid in Toronto for the cultivated Ginseng Root was \$12.00 per lb., sometimes the price runs much higher than this. The seed and stock we are handling are grown at Norwood, Ont., by Mr. Conklin, who has the largest Ginseng nursery in Canada. The seeds are guaranteed 90 per cent. fertile, but care should be taken to keep them moist until planting. We send full directions with every order. Any of our customers who would like to receive first-hand information will be made welcome at Mr. Conklin's plantation, and he would be more than pleased to go into the cultivation of this wonderful money-making root more fully.

## PRICES FOR IMMEDIATE ORDERS Shipments in October

Seeds per 1,000, \$15.00; per 5,000, \$60.00; per 10,000, \$110.00; per 20,000, \$210.00; per 50,000, \$500.00.  
One year old plants, per 2,000, \$60.00; per 5,000, \$140.00; per 10,000, \$250.00; two year old plants, per 1,000, \$50.00; per 5,000, \$200.00; per 10,000, \$375.00.  
Shipments to be made direct from the Plantation, Norwood, Ont.

## VEGETABLE SEED COLLECTIONS

These collections contain a selection of the best and most useful varieties of vegetables for the home garden. The varieties included are all standard and well tried sorts, having given satisfactory results to many of the large growers and Market Gardeners, such collections being arranged to assist those who may not be familiar with the merits of the various kinds enumerated in this catalogue.

### Collection A \$1.00. Post paid. Value \$1.25      Farmers' Collection C \$2.20. Post paid.

#### 12 PKTS. CHOICE VEGETABLES

BEANS—Ferguson's Golden Wax.  
BEET—Ferguson's Imp. Dark Red.  
CARROT—Ferguson's Early Market.  
CORN—Golden Bantam.  
CUCUMBER—Davis Perfect.  
LETTUCE—Ferguson's Peerless.  
ONION—Ferguson's Wethersfield.  
PARSLEY—Ferguson's Perfection.  
PEAS—Sutton's Excelsior.  
PUMPKIN—Small Sugar.  
RADISH—Cooper's Sparkler.  
TURNIP—Snowball.

#### Value \$2.60

1 oz. BEET—Ferguson's Imp. Dark Red.  
1 lb. BEANS—Ferguson's Golden Wax.  
1 oz. CARROT—Early Market.  
1 lb. CORN—Golden Bantam.  
1 pkt. CUCUMBER—Davis Perfect.  
1 pkt. LETTUCE—Ferguson's Peerless.  
1 oz. ONION—Ferguson's Wethersfield.  
1 pkt. PARSNIP.  
1 pkt. RADISH—Cooper's Sparkler.  
½ lb. PEAS—Sutton's Excelsior.  
1 pkt. PARSLEY—Moss Curled.  
1 pkt. CABBAGE.

### Collection B 55 cts. Post paid. Value 70 cts.

#### 7 PKTS. CHOICE VEGETABLES

BEANS—Ferguson's Golden Wax.      CORN—Golden Bantam.  
BEET—Ferguson's Imp. Dark Red.      PEAS—Nott's Excelsior.  
CARROT—Ferguson's Early Market.      ONION—Ferguson's Wethersfield.  
RADISH—Cooper's Sparkler.

## FLOWER SEED COLLECTIONS

### Collection No. 1. 50 cts. Post paid. Value 70 cts.

#### 7 PKTS. CHOICE FLOWER SEEDS

1 pkt. ASTERS—Ferguson's Mixed.      1 pkt. MIGNONETTE—Sweet Scented.  
1 pkt. PHLOX—Grand Mixed.      1 pkt. NASTURTIUM—Dwarf Mixed.  
1 pkt. SWEET PEAS—Mixed.      1 pkt. Ten Weeks STOCKS—Choice Mixed.  
1 pkt. VERBENA—Mam. Mixed.

### Collection No. 2. \$1.00. Post paid. Value \$1.30.

#### 12 PKTS. CHOICE FLOWER SEEDS

1 pkt. ASTER—Ferguson's Mixed.      1 pkt. MARIGOLD—Double Mixed.  
1 pkt. ALYSSUM—Little Gem.      1 pkt. MIGNONETTE—Sweet Scented.  
1 pkt. BALSAM—Prized Mixed.      1 pkt. NASTURTIUM—Dwarf Mixed.  
1 pkt. CANDYTUFT—Mixed.      1 pkt. SWEET PEAS—Mixed.  
1 pkt. DIANTHUS—Mixed.      1 pkt. PETUNIA—Choice Mixed.  
1 pkt. GAILLARDIA—Mixed.      1 pkt. PHLOX—Grand Mixed.

## THE "WILDFLOWER" AND CHILDREN'S GARDEN SEED MIXTURE

### TEACHERS WILL FIND THESE MIXTURES USEFUL FOR SCHOOL GARDENS

In these mixtures will be found some of the choicest annuals and perennials imaginable. For beautifying at a minimum cost, nothing approaches Wild Flower Seeds for effect and cheapness. No care is necessary, and with so many varieties, a never ending variety and succession of bloom is afforded. The flowers are in evidence from early summer until frost, yielding a wealth of bloom and fragrance. For naturalizing purposes for use by woodland walks, etc., this is the best and cheapest way of attaining the effect desired. Thin out where plants are crowded and keep clear of weeds.

Mixed Annuals, Tall.      Pkt. 10 cts.  
Mixed Annuals, Dwarf.      Pkt. 10 cts.

Mixed Hardy Perennials, Tall.      Pkt. 15 cts.  
Mixed Hardy Perennials, Dwarf.      Pkt. 15 cts.

# DUPUY & FERGUSON'S QUALITY SEEDS

## 20% IN YOUR POCKET.

At the time of going to press, the American rate of exchange is 20%, with every indication that it will be much higher at an early date. **YOU CAN SAVE THE EXCHANGE BY BUYING OUT OF THIS CATALOG. SUPPORT CANADIAN INDUSTRY.**

In presenting our ANNUAL CATALOGUE of VEGETABLE and FLOWER SEEDS, ETC., we desire to thank our regular customers and also new clients for their generous patronage during the past year; and we again appeal for their continued support which we shall do our utmost to merit.

It has always been our aim to supply our customers with only the very best strains of seeds. We have gone to considerable expense to obtain our object, and we can safely say that the seed supplied to us by Seed Specialists, all over the world, is the best money can buy.

If space would permit in this catalogue, we could print hundreds of testimonials from satisfied customers, who understand that the name of DUPUY & FERGUSON means quality.

**LADIES**—should always prefix their names with Miss or Mrs. as the case may be.

**HOW TO ORDER.**—In ordering, please be particular to sign your name in full, also that of your POST OFFICE and PROVINCE plainly; also mention the mode of conveyance you prefer—whether by MAIL, EXPRESS or FREIGHT. Serious delays are sometimes occasioned by failing to give attention to these matters. Please use order sheet, carefully filling out blank space at top for shipment directions. EXTRA ORDER SHEETS and envelopes can be had on application.

**FLAG STATIONS.**—Freight charges must be included in all orders for goods addressed to flag stations. Otherwise it will be necessary to reduce quantities to allow for freight, as the charges to flag stations must always be prepaid.

**MARKET GARDENERS.**—It will put money in the pocket of every market gardener receiving this catalogue, who has not already received a copy of our WHOLESALE PRICE LIST FOR MARKET GARDENERS AND FLORISTS, to ask for it at once. Private planters need not apply for it, as it is intended only for those raising truck for sale.

**ORDERS**—From new customers (to secure prompt attention) should be accompanied with remittance, or satisfactory references.

**CHANGES OF RESIDENCE.**—In order that our Catalogue may be forwarded regularly, we shall feel obliged if Customers will inform us of a change of residence. To any Customer who may fail to receive a Catalogue at the usual time, we will gladly send another copy on receipt of a line.

**ERRORS.**—We exercise the utmost care in filling orders, striving to do a little more than we offer; yet in the pressure of business errors may occur, in which event we wish to be promptly notified of the fact, and we will make such corrections as will be satisfactory.

**GARDENERS' AND HEAD FARMERS' SITUATIONS.**—We have at times the names of practical gardeners and farm managers in want of situations on our books. If parties desiring such will write us, we shall be glad to put them in communication with men that we deem suitable. To aid us in making a selection, we ask full particulars. We make no charge for this service.

**GUARANTEE.**—We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

## ABOUT PLANTS

We have developed a collection of Hardy Perennials and Hardy Shrubs second to none in the country. While we have a fine stock of new and rare plants, we have not minimized the importance of the old-fashioned varieties.

We should like to add that our stock offered in this catalogue are acclimatized at our Nurseries, and are therefore superior to imported stock, or plants grown in a more southern latitude.

## VISIT OUR NURSERY

Our gardens are situated 35 miles from Montreal, on the Montreal-Quebec highway, with the beautiful St. Lawrence forming a most picturesque background.

A nice short drive with plenty of quaint villages and fine rural scenery. Visitors always welcome.  
ROUTE.—To Montreal East—Pointe-Aux-Trembles—Charlemagne—St. Paul l'Ermite—L'Assomption—St. Sulpice—Lavaltrie.

After leaving the Island of Montreal proceed inland away from the St. Lawrence as far as L'Assomption, then turn outwards to river again following highway to Lavaltrie.

38-42 Jacques Cartier Square :: MONTREAL

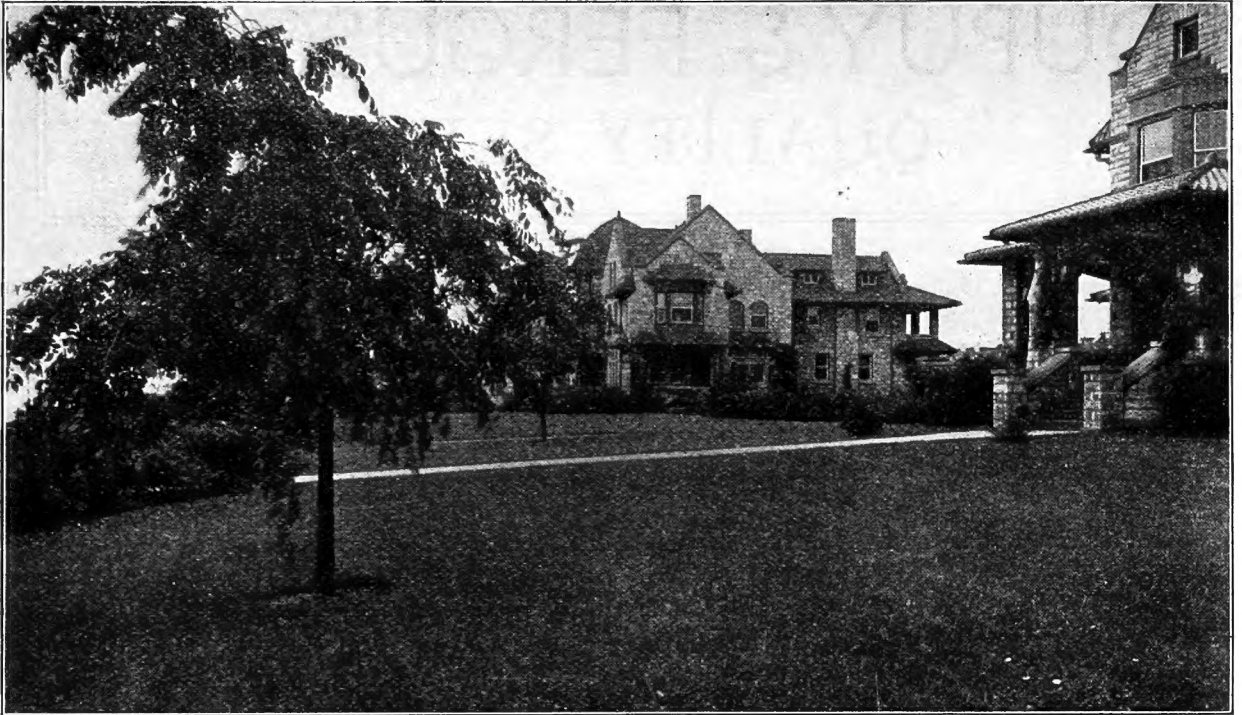
TELEPHONES, OFFICE MAIN 2594.

ORDER DEPARTMENT MAIN 350.

NURSERIES, LAVALTRIE, Que.

Our Store is opposite Bonsecours Market and City Hall





## FERGUSON'S EVERGREEN LAWN GRASS

THE MOST BEAUTIFUL LAWNS IN CANADA ARE MADE WITH FERGUSON'S

**EVERGREEN LAWN GRASS SEED.**—It is prepared from our own formula and is a careful blending of fine-leaved, dwarf grasses, adapted to our climate and to producing a closely interwoven turf that maintains from year to year a covering of enduring green.

**QUANTITY TO SOW.**—One pound of our Lawn Grass seed will sow 15 x 20 feet, or 300 square feet. 100 pounds should be sown to the acre. The larger quantity gives the best results. For renovating use one-half of this quantity.

In constructing a new Lawn the ground should be thoroughly well dug, and if poor, enriched by a supply of manure. After this it should be made perfectly level, and the stones raked off the surface. A good heavy roller should then be run over it both ways. Price, per lb., 55c.; post paid, 65c.; 10-lb. lots 50c. per lb. Special quotations for large quantities.

**FERGUSON'S SHADY PLACE GRASS.**—This is a mixture of extra fine grasses adapted for growing in the shade and under the trees. We recommend the use of this mixture wherever other grasses have failed to make a close sward. Per lb., 70c.; post paid 80c.; 10-lb. lots 65c. per lb. Special quotations for large quantities.

**FERGUSON'S "GOLF LINKS" MIXTURE.**—We have supplied several Clubs with this Mixture, which is the result of a careful study of the requirements for making beautiful Golf Links, Tennis Courts, Cricket Tables, Polo Grounds, and we do not hesitate to say that it has given entire satisfaction. Per lb., 50c.; post paid 60c. Special quotations for large quantities.

**FERGUSON'S "PUTTING GREEN" MIXTURE.**—The very finest low growing Grasses are contained in this Mixture, and very hardy. This Mixture will produce a beautiful and lasting green turf wherever used, calculated to withstand hard tear and wear. Per lb., 60c.; post paid 70c. Special quotations for large quantities.

**FERGUSON'S "TERRACE MIXTURE"**—A mixture of strong deep-rooted Grasses for "banks" or terraces." Although the Grasses are strong and deep-rooted, they will produce a fine green velvety appearance, and also prevent washing away during heavy rains. Per lb., 60c.; post paid 70c. Special quotations for large quantities.

**WHITE CLOVER.**—Choicest re-cleaned for sowing on lawns. Sow 10 to 12 lbs. per acre. Price on application.

**BEST FERTILIZER FOR LAWNS, FLOWERS, VEGETABLES, HOUSE PLANTS, ETC.**—("Natural Guano" Pulverized Sheep Manure.)—This is without exception the very best dressing for lawns. The effect is immediate and lasting. It is the only manure that is absolutely free from weed seeds. It contains no dirt, straw, leaves, or bedding of any kind, being secured from the cemented floors of the Chicago stock yards. It is three times stronger than cow manure. Contains nitrogen, phosphoric acid, ammonia, and potash in liberal proportions. It is also unequalled as a fertilizer for the vegetable garden, flower garden, house plants, trees, hothouse, etc. It is also dissolved in water and used as a liquid to nourish all kinds of growing plants. Be sure to give it a trial. 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$4.00. Larger quantities on application.



# DUPUY & FERGUSON'S QUALITY VEGETABLE SEEDS

## SEEDS BY MAIL.

All seeds forwarded by mail or express are sent free of charge to all Canadian points at Catalogue prices, except **Beans, Corn, Mushroom Spawn, Onion Sets, Potatoes, Peas, Rape, Field Grain, Clover and Grass Seeds**; when such are to be mailed, postage must be added at the rate of 5 cents per  $\frac{1}{2}$  lb.; 8 cts. per  $\frac{1}{4}$  lb.; 10 cts. per lb.; and for each additional pound 8 cts. per lb. extra within the Dominion of Canada and 16 cts. per pound to Newfoundland and the United States.

## ARTICHOKE

A most delicious vegetable, rapidly gaining in popularity. The heads are usually boiled, and the bottom of each scale eaten with butter and salt. In France they are more frequently baked with a dressing of fresh butter, forming a most savory dish.

In February or March sow and transplant in hotbed so as to give plenty of room until danger of frost is over. Then set in very rich, well-drained soil in rows four feet apart and two feet apart in the row. The plants can be raised in seed beds out of doors, but in that case will not be likely to produce heads the first year. Late in the fall cut off the old tops and thoroughly protect the crowns with leaves or straw to prevent severe freezing.

**Early Purple, or Violet.**—Pkt., 10 cts.; oz., \$1.20.

**French Globe.**—The standard sort. Pkt., 10 cts.; oz., \$1.20

**Jerusalem.**—Distinct from the Globe, and propagated by and for its tubers. Used for the table and extremely valuable food for hogs. Artichokes need planting but once and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows three and one-half feet apart. Plow deep, plant shallow, say two inches. The second year, break up the ground as for corn; they will come up thickly all over the surface. Run through each way with a cultivator when a few inches high.

Those wishing to purchase should place orders very early, to be shipped as soon as favorable weather arrives. 150 lbs. sufficient for one acre. 5 lbs., 50 cts.; 10 lbs., 75 cts.; 25 lbs., \$1.35; 50 lbs., \$2.50 (Post paid, lb., 20 cts.; 3 lbs., 50 cts.).

## ASPARAGUS

One ounce of seed sows 60 feet of drill, 5 pounds sows one acre.

**Giant Early Argenteuil.**—The seed we offer is genuine imported French Argenteuil seed and will give better results than that grown in America, which is of doubtful purity. Argenteuil is about twice the size of anything now on the market. It is a prolific long-lived sort. Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 60 cts.; lb., \$1.60.

**Conover's Colossal.**—Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb. 50 cts

**Palmetto.**—Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 50 cts.

**Columbian Mammoth White.**—Large white stalks, very tender. Pkt. 10 cts.; oz. 20 cts.;  $\frac{1}{4}$  lb., 50 cts.

## ASPARAGUS ROOTS

Dig trenches about 15 inches wide and about 18 inches deep and set the roots from 18 to 24 inches apart in the row, keeping the rows 4 to 5 feet apart. Be sure to spread the roots carefully. It is best to put about 3 or 4 inches of well-rotted manure in the bottom of the trench; cover this with 2 or 3 inches of soil and place the roots on top of this soil, then cover them firmly with about 3 inches of soil.

**Argenteuil.**—Strong freshly-dug three-year old roots. \$2.50 per 100.

**Other Varieties.**—\$2.00 per 100.

(If wanted by Post, add 60 cts. per 100)

## BORECOLE or KALE

Sow in May in rich light soil in rows two to three feet apart and where plants of the largest size are desired thin to two feet apart in row. It is better not to cut or handle the plants while frozen, but if this is unavoidable, thaw them out in cold water. The young shoots which start up in the spring from the old stumps are very tender and make excellent greens.

**Dobbie's Selected.**—This is a most excellent variety. It grows about twenty-four inches high, and produces medium size compact heads of leaves that are exquisitely small mid-rib. Per pkt., 25 cts.

**Dwarf Green Curled Scotch.**—Very hardy, one of the best. Per pkt., 10 cts.; oz., 50 cts.

**Tall Green Curled Scotch.**—Pkt., 10 cts.; oz., 50 cts.



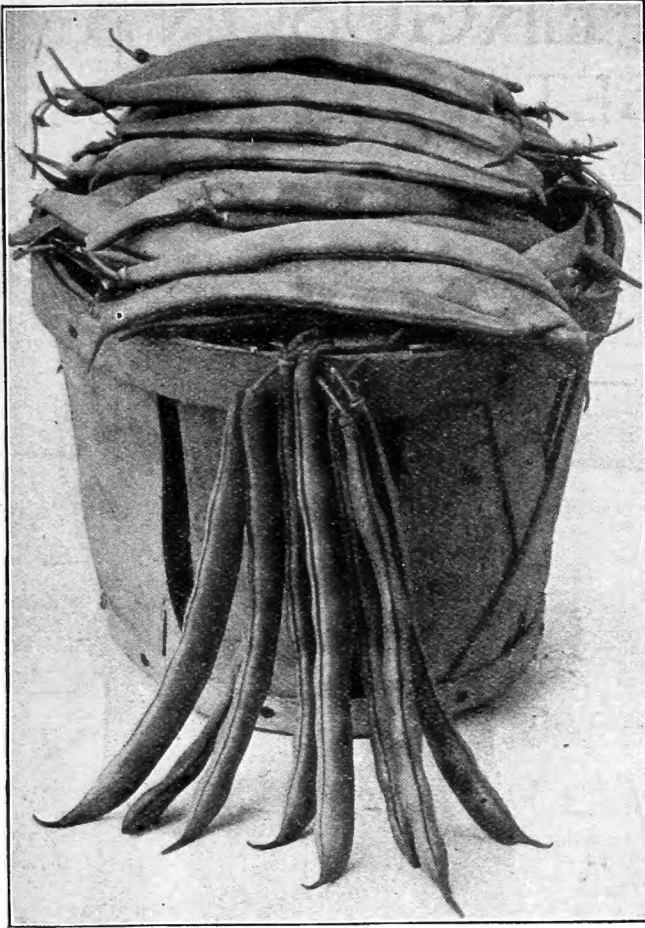
Giant Argenteuil Asparagus.

## BROAD WINDSOR BEANS

An English variety, used as a Shell Bean. Should be planted as soon as possible after the ground is opened; plant in drills two and a half feet apart, and three inches in the drills; when they are in full bloom and the lower pods set pinch off the tops; this will insure the filling of the pods, and hasten maturity. A strong, heavy soil suits them best.

**Ferguson's Mammoth.**—The longest Podded Windsor Bean in existence, and the finest for exhibition. The pods of this superb strain often contain as many as 4 and 5 gigantic beans. A grand selection. Per pkt. 10 cts.;  $\frac{1}{4}$  lb., 20 cts.; 1 lb., 55 cts. (Post paid,  $\frac{1}{4}$  lb. 20 cts.; lb., 65 cts.)

# BEANS



New French Stringless

**Currie's Rust Proof Wax.**—This is one of the early, maturing Wax Beans, usually rust-proof. The vines are vigorous, hardy and productive; pods are light yellow, oval-flat, 5½ to 6 inches long. One of our standard market-gardeners' sorts. ¼ lb., 18 cts.; lb., 55 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts.).

**Burpee's New Kidney Wax.**—More robust in growth and more prolific than the popular Wardwell's Kidney Wax, with longer pods, which are even more handsome in appearance, entirely stringless, more fleshy and of much finer quality. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

**Horticultural Wax.**—One of the best for market gardeners; it does not rust; pods are always clear, waxy yellow. Must be picked quite young as pods become somewhat stringy as they mature. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

**Burpee's White Wax.**—The plants are exceedingly vigorous, enormously productive of long, handsome, stringless pods; very solid and full of meat; crisp, brittle and free from rust; clear light waxy yellow-colored pods; unequalled either for the table or for market use. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

**Hodson Wax.**—The plant is vigorous in growth and comes into crop about two weeks later than the early sorts. The pods of this variety often measure 7 to 8 inches in length and are remarkably free from spot or rust, and for flavor is unsurpassed. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

Plant in rows two feet apart, dropping the beans three inches apart and covering two inches. They thrive upon light soils, which should be carefully prepared and manured lightly. Being tender, they should not be planted until frosts are passed, as warm soil is needed for their germination. For succession make plantings every two weeks until end of July. One pound will plant 50 feet of drill. One and one-half bushels will plant one acre.

## DWARF BUTTER OR WAX SORTS

**Ferguson's Brittle Wax.**—Without a doubt the earliest of all Wax Beans; also a great cropper. The bushes are remarkably hardy and extremely prolific, while the pods are fleshy and entirely stringless, often measuring 4½ to 6 inches long. They are broad and solid, tender, brittle and entirely stringless at all stages of growth. The pods have white seeds showing only a small black dot at the eye and where a surplus is allowed to ripen fully they make excellent shell Beans. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

## Ferguson's Improved Golden Wax. The Standard Flat, Wax-podded Variety.

Among the Yellow Wax-podded or "Butter" Beans, the Golden Wax has long been in popular favor, but this improved variety by far surpasses the old favorite in several desirable points. The plants are of vigorous, bushy growth, not susceptible to rust, moderately early, and very prolific. The pods are exceedingly handsome, long, uniformly broad, thick and remarkably fleshy, of good quality, tender and brittle, absolutely without string or coarse fibre at all stages until maturity, while the color is of a rich golden-yellow. Although not the earliest Dwarf Wax Bean, its reliability in producing a heavy crop of large, handsome pods, whether planted in spring or summer, renders it highly valuable for both home and market planting. ¼ lb., 18 cts.; lb., 55 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts.).

## Sure-Crop Stringless Wax.

A valuable new variety of Dwarf Wax Bean, which, while not related to the well-known Currie's Rust-proof Wax, bears a great resemblance to it in quality, pod and bean, but is entirely different in quality, as it is stringless and tender at all stages of its development. Plant is strong and holds pods well off the ground and will stand long seasons of wet weather. It is very productive, and bears the large golden-yellow pods in great abundance, and because of its being very hardy the seed may be planted early. Pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

**Stringless Refugee Wax.**—This variety is an improved type of the Refugee Wax, to which it is far superior. The plants are of very robust growth and extremely productive, bearing an abundant crop of large, rich, golden-yellow pods, which usually contain five beans each and are fit for table use at nearly all stages of their growth. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

**Davis Kidney Wax.**—Plant vigorous, and of compact upright growth, with pods extra long, straight, oval, of a clear, waxy, white color, often seven to eight inches in length. ¼ lb., 18 cts.; lb., 55 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts.).

**Wardwell's Kidney Wax.**—One of the best Wax Beans, bearing long pods of a delicate waxy yellow, entirely stringless and brittle. ¼ lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.).

## BOWKER'S PYROX

The best all around spray. Pyrox kills leaf-eating insects. It prevents rots, blights, rusts and fungus. It serves the purposes for which two mixtures were previously used. It is no experiment; it was introduced in 1898. It is a creamy paste that looks like paint, is easily mixed with cold water, and sticks like paint to the foliage. It won't wash off. (See Page 107.)

Gentlemen:—I have received my seeds and am very well satisfied. I always find your seeds better than any others that I have tried.

Yours truly, (Signed) DAVID BARNES.



## BEANS—Continued.

### DWARF GREEN PODDED VARIETIES.

**Sutton's Masterpiece.**—This handsome variety has a distinct and unique appearance whilst growing; it is early and prolific, and suited for either forcing purposes or outdoor culture. The pods are bright green in color, long, straight, and exceedingly tender and delicate in flavor.  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 50 cts.; lb., 85 cts.).

**Keeney's Stringless Refugee.**—The originator of this new strain of Green-pod Refugee has been working for more than twenty years to get the string out of the old Thousand-to-one Refugee Bean, and has succeeded in eliminating it entirely, having produced a **Stringless Refugee**. The plant grows to a large size and is enormously productive, one plant having borne 56 well-developed pods. The shape of pod is round, size medium to long, slightly curved, medium green in colour and very brittle, remaining so until nearly old enough to shell.  $\frac{1}{4}$  lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.).

**New French Stringless.**—Retains its delicate tenderness even when a little old. In France, it has superseded nearly all other sorts on account of its deliciousness. It cannot be recommended too highly for the local market gardener or shipper, for it simply sells on sight. It is a true, stringless flat pod bean, surpassing many varieties for productiveness, the yield being simply prodigious. The pod is of medium length, in colour a very attractive light green, and is unequalled by any other sort for tenderness and fine flavor.  $\frac{1}{4}$  lb., 20 cts.; lb., 75 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 85 cts.).

**Burpee's Stringless Green Pod.**—One of the earliest and best of the stringless varieties. Pods very large, thick and straight. A fine, vigorous grower and very productive. Unsurpassed for the home garden where earliness and superior quality are desired.  $\frac{1}{4}$  lb., 18 cts.; lb., 55 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 20 cts.; lb., 65 cts.).

**Ferguson's Canadian Wonder.**—This excellent Bean which has been specially selected is remarkably prolific, and of dwarf, compact habit; the pods are of beautiful shape, great length, and of superior flavour. Suitable either for forcing, for general crop, or for exhibition. We have known our selection being awarded the first place in a competition of 40 lots.  $\frac{1}{4}$  lb., 20 cts.; lb., 75 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 85 cts.).

**Henderson's Bountiful.**—The pods are of a rich green colour, thick, long and very uniform. An immense cropper and perfectly stringless.  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 18 cts.; lb., 55 cts.).

**Early Red Valentine.**—Ready for picking in 45 days from planting. Yields prodigiously. Full, round, meaty pods of unsurpassed tenderness and quality.  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10c.;  $\frac{1}{4}$  lb., 18 cts.; lb., 55 cts.).

**Early Refugee, or a Thousand-to-one.**—An excellent early snap bean, and for use as pickles.  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 18 cts.; lb., 55 cts.).

**Burpee's Bush Lima.**—An immense yielder, each bush bearing from fifty to two hundred pods, filled with beans which are identical in size and luscious flavor to the well-known pole Limas.  $\frac{1}{4}$  lb., 20 cts.; lb., 60 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 70 cts.).

**Sutton's Prize Winner**  
Pole Bean.

## POLE OR RUNNING BEANS

**CULTURE.**—After settled warm weather, set poles 4 to 8 feet long in rows north and south four feet apart, the poles being three feet apart in the row, and set leaning to the north at an angle of 5 degrees. Set in this way, the vines climb better, bear earlier, and the pods are straighter and more easily seen. Around each hill plant from 5 to 8 beans, 2 inches deep. When well started, thin to four plants. Any that fail to climb around the poles should be started by hand in the same direction as the other vines are going.

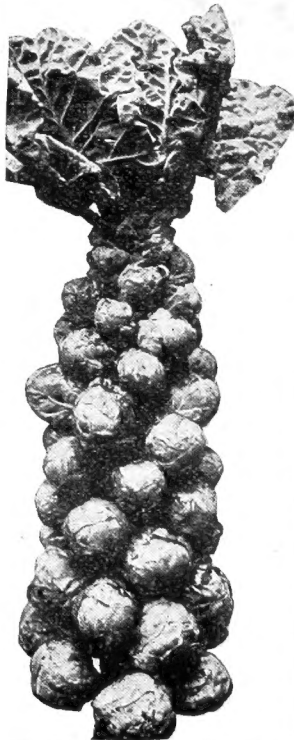
**Sutton's Prize Winner.**—This is doubtless the finest of the Runner Beans, being of wonderfully strong growth, and a most prolific cropper. Its handsome long straight pods, 16 to 17 inches long, are of the finest quality, whilst for exhibition they are unrivalled. Awarded a First-Class Certificate by the Royal Horticultural Society. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 90 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 30 cts.; lb., \$1.00).

**Canadian Asparagus.**—A very productive and vigorous-growing variety producing long green pods which sometimes measure 20 inches in length. When young, the pods are very fleshy and of delicate, agreeable flavour, resembling somewhat that of the Asparagus. They are produced in great abundance throughout the season. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00).

**Improved Kentucky Wonder (Green pod).**—A very popular variety. Pods green, very long and flat and perfectly stringless. Enormously productive and the earliest of the green-podded varieties.  $\frac{1}{4}$  lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.).

**Dreer's Golden Cluster (Yellow pod).**—Bears long golden-yellow pods in clusters of 3 to 6 from bottom to top of pole and continues in bearing from the middle of July till the vines are cut down by frost.  $\frac{1}{4}$  lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.).

**Scarlet Runner Beans.**—Mainly cultivated for their flowers, but the pods are also used as a culinary vegetable. Per pkt., 10 cts.;  $\frac{1}{4}$  lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.).



## BRUSSELS SPROUTS

Sow seed in April, transplant and cultivate same as cabbage.

One ounce of seed produces about 1,500 plants.

**Dobbie's Selected.**—This strain has been carefully grown for years, and as an exhibition variety, it is one of the best. Per pkt., 25 cts.

### Amager Market.

The plants are of a strong growth about three feet high. The stalks are large, thick, and close jointed, and the sprouts set quite thickly and evenly on the stalk. We recommend this strain especially for market garden use. Pkt., 10 cts.; oz., 90 cts.

**Improved Dwarf.**—Extra fine. Per pkt., 10 cts.; oz., 75 cts.

**Improved Half-Dwarf.**—The very best and a sure strain. Per pkt., 10 cts.; oz., 75 cts.

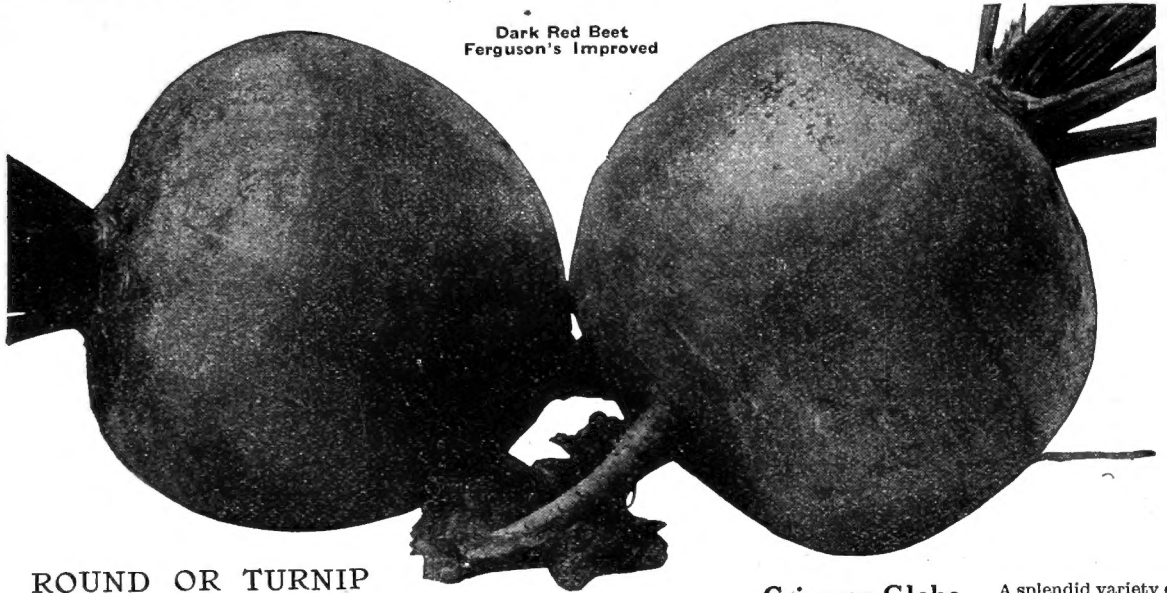
**White Dutch Runner Beans.**—Similar to Scarlet, excepting seeds and flowers, which are white. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 20 cts.; 1 lb., 65 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.).



# BEET

**CULTURE.**—Sow as soon as the ground is free from frost and dry in the spring, in drills 2 inches deep and 18 inches apart; thin out to 6 inches. For family use, in winter, sow in July or August. One ounce will sow 60 feet of drill, 5 pounds per acre.

Dark Red Beet  
Ferguson's Improved



## ROUND OR TURNIP VARIETIES

**Dobbie's Selected Globe.**—A good Turnip-rooted class of perfect form, good colour, and excellent quality; fine for exhibition. Pkt., 10 cts.; oz., 40 cts.

**Ferguson's Improved Dark Red.**—This is the best variety of round Beet in cultivation.

In this Beet we offer our customers a decided novelty. It is as early as Eclipse, perfectly globe-shaped, with a single tap root, and of the richest colour of any of the beets.

It is a splendid keeper, is not excelled in yielding qualities by any other sort, is exceedingly tender, fine and sweet and is unequalled for table use.

Market gardeners will find our Improved Dark Red a very profitable variety to grow, as no other sort approaches it in attractiveness. Exposed on the market by the side of other beets, it at once catches the eye of the customer and completely dwarfs in appearance all other sorts. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Ferguson's Dark-Leaved Globe.** Hitherto, the improved selections of turnip-rooted Beet have been wanting in that important essential, a dark leaf. The novelty we offer has not only a dark leaf like the best decorative strains, but is equal in colour to the darkest fleshed round Beet. These two important features, coupled with its handsome form, place this variety in the front rank of this class of Beet. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Early Model.**—This variety will be highly appreciated both for forcing and growing outside. The shape is nearly round, and colour of flesh a rich deep red. The quality is most excellent, being sweet, tender, and free from coarseness. The tops are quite small, making it a fine variety for forcing in hot-bed. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Crosby's Egyptian.**—An improvement on Extra Early Egyptian, being as early but of more desirable shape, colour and quality. It is very sweet and tender; a most valuable sort for early market as it is ready before any other beet of equal quality. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.75.



Detroit  
Half  
Long  
Beet

**Crimson Globe.**—A splendid variety of medium size, very handsome, with small top and small tap root, flesh deep crimson, tender and delicious. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.75.

**Detroit Dark Red.**—Roots globular; smooth with small tops; skin blood red; flesh dark red, zoned with a lighter shade; tender and sweet. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.75.

**Egyptian.**—Very early and of dark blood colour; rather flat in shape. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.75.

**Eclipse.**—Very early, dark-red colour, small top, smooth roots. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50.

## HALF-LONG AND LONG VARIETIES

**Ferguson's Perfection.**—We believe this is the very best half long beet that we ever saw. Roots very dark colored, smooth, uniform, very sweet, and of the best flavor. A splendid exhibition variety or good for the home table. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Detroit Half-Long Blood.**—One of the best for winter use. Roots only half as long as the Long Blood, but weigh as much on account of their thickness. Always smooth; their rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in the exposed portions. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.

**Cheltenham (Green Leaved).**—A superb culinary Beet; medium length, smooth, well-shaped root; flesh rich deep crimson colour. Cooks tender, and is of splendid quality and flavour. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Cooper's Market King.**—The perfection of a half long dark red Beet for market growers or for private use. It is a quick grower and also one of the best keeping sorts. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Long Smooth Dark Blood.**—We have an exceptionally good quality of this sort. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50.

# CABBAGE

Sow in hotbeds in February or March, and in the open ground in May or June. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts 2½ feet each way. To be well grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is grown for us by specialists, and we offer it as being of superior quality. 1 ounce will produce about 3,000 plants.

## HOW TO DESTROY CABBAGE WORMS.

Take a Duster, nearly fill it with SLUG SHOT. Take the Duster in each hand and cover two heads at a time, give the Duster half a turn, this will let the fine powder fall over each Cabbage head. SLUG SHOT is a certain destroyer of the Cabbage Worm.

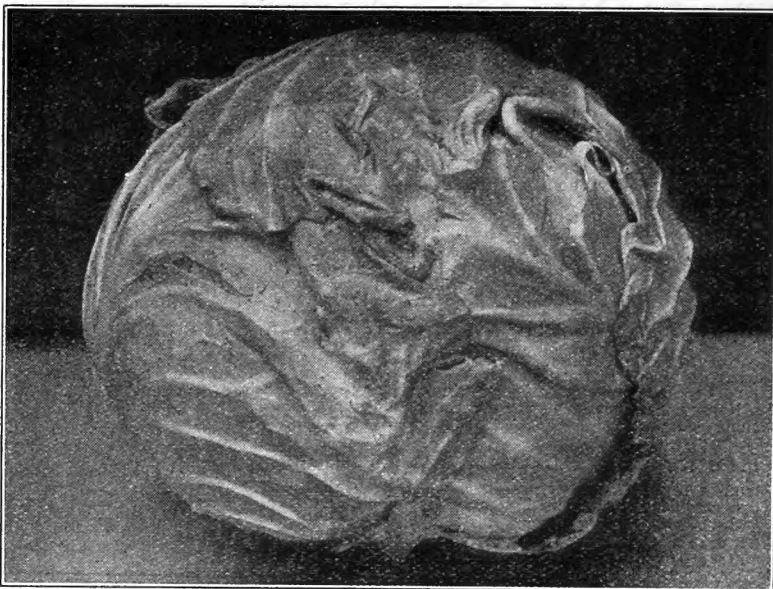
Nothing is nastier than Worms in a head of Cabbage. A pretty white butterfly is seen hovering over field or garden; these lay small yellow eggs and very soon the little green worms begin eating and growing fast.

## Copenhagen Market.—Original Stock.—

Absolutely the earliest and the very best round-headed Summer Cabbage grown. Only 3 or 4 days later than Early Wakefield. The plants are short-stemmed, of compact, stocky growth and the saucer-shaped, rather small, tightly folded outer leaves enclose large solid ball-shaped heads of the very finest quality, smooth with fine veins and small core and averaging about 10 lbs. in weight. Can be planted close (21 inches apart) and will yield a greater crop per acre than any other Cabbage. In uniformity to type it is marvellous and its evenness in maturing is a great consideration to the Market Gardeners, entailing less labour in harvesting the crop and allowing them to clear the ground at one cutting. Pkt., 10 cts.; oz., \$1.00; ¼ lb., \$3.00.

## Early Jersey Wakefield (Improved Strain).—

The finest oxheart type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. Pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.



Copenhagen Market Cabbage.

**Early Paris Market.**—Of the Oxheart type, but ten days earlier. Forms a saleable head quickly and is a valuable sort for market gardeners. Per pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.25.

**Early Flat Parisian, or Early Spring.**—Is nearly as early as the Jersey Wakefield, but the heads are of the round, flat type of Early Summer. The heads harden at an early stage of growth, so that they are really fit for use before fully matured. Pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

**Express.**—Extra early, excels in earliness all others. For forcing can hardly be surpassed. Per pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

**Early Etampes.**—Heads oblong and rounded at the top, very firm and solid. Per pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

## SECOND EARLY VARIETIES

**Glory of Enkhuizen.**—A variety of recent introduction from Holland. It is a valuable sort on account of its earliness, large size and fine keeping quality. The heads are of nice size for market, weighing about 9 to 11 pounds each, globe-shaped and handsome dark green in colour. For an early sort the heads are unusually firm and solid. The leaves are fine-ribbed, tender and of excellent quality. The outer leaves set close, permitting planting of more heads to the acre, thus increasing the yield. This is not only valuable as an early variety, but as it grows large it may be profitably raised for main crop for fall use. With market gardeners this sort is sure to be popular because of its many valuable characteristics. Pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.25.

**Henderson's Early Summer.**—A most popular and superior second early sort. Pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

**Henderson's Succession.**—An excellent second-early; on style of All Seasons. Pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

**Fottler's Improved Brunswick.**—Large, solid heads; fine for early or late. Pkt., 10 cts.; oz., 70 cts.; ¼ lb., \$2.00.

## RED VARIETIES

**New Danish Delectatessa.**—This new variety is the largest, hardest and most solid of all red varieties. It is of rich, deep colour of fine round form, sure to head and never cracks. Pkt., 10 cts.; oz., \$1.00; ¼ lb., \$3.00.

**Mammoth Rock Red.**—Heads large, deep red to centre; highly recommended. Per pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

**Drumhead.**—Pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

## SAVOY CABBAGE

These are by far the most delicately flavored of all Cabbages and, as such, deserve to be grown more extensively in the home-garden. This cultivation offers no particular problems, but it is well to sprinkle them regularly with Slug-Shot, since the worms are more than fond of Savoy, because of its superior quality.

**Sutton's Best of All.**—A handsome variety, with large, curled, deep green heads, which comes into use earlier than other varieties. The flavor when boiled is exceptionally mild. Per pkt., 20 cts.

**Large Aubervilliers.**—An extra large Drumhead Savoy with few outer leaves. Per pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

**Cabbage Plants.**—(See page 25).



Flat Swedish Cabbage.

## CABBAGE—Continued

### LATE VARIETIES

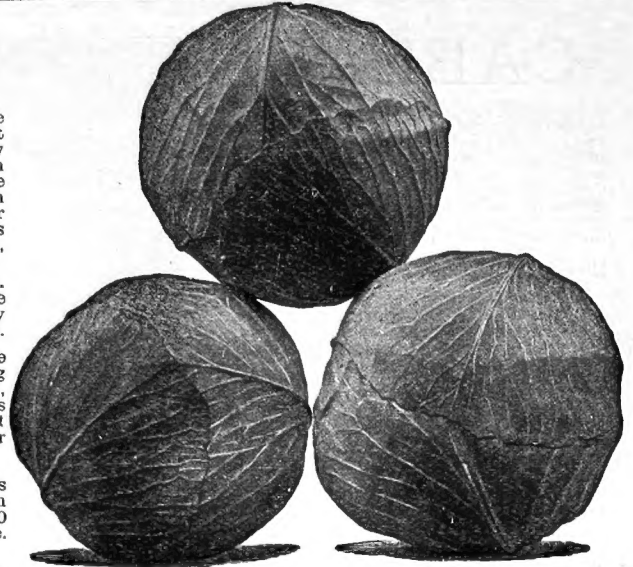
**Ferguson's Danish Roundhead.**—We feel safe in saying that compared with the justly popular Cannon Ball, the New Round Head will average larger in size of heads and even harder. Regular cannon balls in shape and hardness, while they are borne on shorter stems, being about a week earlier in maturity. It is without any doubt the best shipper and keeper of any. A head of it will weigh  $\frac{1}{2}$  more than other varieties of equal size. Genuine seed grown in Denmark. Per pkt., 10 cts.; oz., 80 cts.;  $\frac{1}{4}$  lb., \$2.50.

**Danish Cannon Ball.**—A favorite winter cabbage of Denmark. Heads are round, of good marketable size, hard and heavy, fine grained and long keepers. It will stand well through a dry season. Matures late. Pkt., 10 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.25.

**New Flat Swedish Cabbage.**—This is a new late hard-heading cabbage from Sweden. The plant is of extra-strong growth, with large bluish-green leaves, and in good soil produces heads of enormous size. It has quite short stems, and its great solidity makes it a good winter keeper. Similar form but larger than Brunswick. Pkt., 10 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.25.

**Henderson's Autumn King Cabbage.**—It is often from 3 to 3 $\frac{1}{2}$  feet in circumference, and weighs from 25 to 30 lbs. each. Interior crisp, close, fine grained, tender and white. Pkt., 10 cts.; oz., 70 cts.;  $\frac{1}{4}$  lb., \$2.00.

**St. Denis Drumhead.**—A favorite winter variety; head large, and very solid. Per pkt., 10 cts.; oz., 70 cts.;  $\frac{1}{4}$  lb., \$2.00.



Ferguson's Danish Roundhead Cabbage.

**Celery Cabbage.**—This is a new cabbage imported from China. It resembles in growth Romaine or Cos lettuce' like celery, while the leaves are served as a salad or else boiled. The stalk or midribs are eaten in either case, it makes a very delicious dish. This vegetable has become known in only the last two years, but its excellence has created for it a large demand. Sow late at same time as Turnips, as early planting runs quickly to seed in hot weather. Pkt., 10 cts.; oz., 60 cts.

## CAULIFLOWER

1 ounce will produce about 3,000 plants.

For early crops sow in March in hot beds and transplant to the open ground as soon as danger of hard freezing is over. The plants will endure a light frost. The soil for cauliflower should be like that for cabbage; but it is better to be made richer than is ordinarily used for that crop. Give the plants thorough culture, and keep free from green worm by using **Hammond's Slug Shot**. For late crop sow at same time as for late cabbage, and treat in the same manner. It should be borne in mind that cauliflower will not head up well in hot, dry weather, and hence the sowing should be so regulated as to bring it in either in early summer or late fall. Although nine-tenths of the cauliflowers grown in this country are produced without it, frequent and abundant watering is so beneficial that it pays well for the labor it costs.

**Earliest Snowball (Forcing).**—One of the earliest heading varieties in cultivation, small leaved, of low growth. The finest of all varieties for forcing. Per pkt., 25 cts.;  $\frac{1}{4}$  oz., \$1.70; oz., \$6.00.

**Ferguson's Selected Early Dwarf Cauliflower.**—We know of no better type of this variety,—very early, smooth rounded head, fine grained, compact, even in size. While a first early, is better adapted generally to Fall use than the large late sorts so often grown for the purpose. It will give satisfaction by the dozen plants or in a dozen acres. The habit of the plant is close growing and compact, and plants can be set closely together from 18 to 21 inches. "Every plant," says our grower, "which did not produce a perfect head was discarded when selecting our stock plants for seed." Per pkt., 25 cts.;  $\frac{1}{4}$  oz., \$1.60; oz., \$5.50.

**Danish Dry Weather.**—This new variety of Cauliflower is a splendid strain for a dry season, as it will grow well and produce the finest heads in spite of the lack of moisture, which is required by other sorts. The heads grow to a large size, are very solid, pure white and of delicious flavor. Pkt., 25 cts.;  $\frac{1}{4}$  oz., \$1.70; oz., \$6.00.

**Early Dwarf Erfurt.**—An early market variety, very productive, with large white compact heads of good quality. Pkt., 20 cts.;  $\frac{1}{4}$  oz., 65 cts.; oz., \$2.50.

**Large Late Le Normand.**—Short stemmed, produces very close and uniform heads; well protected by the foliage, hardy, and stands dry weather. Per pkt., 10 cts.;  $\frac{1}{4}$  oz., 60 cts.; oz., \$2.00.

**Extra Early Paris.**—Good Cauliflower for either forcing or outdoor culture. Per pkt., 10 cts.;  $\frac{1}{4}$  oz., 60 cts.; oz., \$2.00.

**Large Late Algiers.**—An excellent favorite, late variety. Per pkt., 10 cts.;  $\frac{1}{4}$  oz., 60 cts.; oz., \$2.00.

**Cauliflower Plants.**—(See page 25.)



Ferguson's Selected Dwarf Erfurt Cauliflower.

Gentlemen:—I may say that I have a splendid crop this season from the brittle Wax and Butter BEANS I bought from you last year. I have left them to ripen for seed and will have some for sale.

(Signed), W. B. HOGGE,  
St. Stephen, N.B.

Sept. 2, 1920



# CARROT

Carrots are one of our leading specialties, and have been for the last Sixteen Years. They are unsurpassed.

1 ounce will sow 100 feet of drill. 4 lbs. for an acre.

It is best to sow early in the spring as the ground is fit to work, though good crops may be grown from sowings as late as June 15. Prepare the ground thoroughly and sow in drills 12 to 18 inches apart. It is necessary to sow Carrots quite thickly, on account of the young plants not having sufficient strength to come through the ground when sown thinly. Cover one-eighth to one-fourth inch deep and see to it that the soil is well firmed above the seed. Do not let the weeds get a start. Thin to 3 or 4 inches apart in the row.



French Market Carrot (Coreless.)

**New French Market (Coreless).**—This beautiful new and distinct French carrot in form is more handsome than Danvers. This, with its better colour, makes it much more attractive, never becoming ringed or rooty. It is also entirely free from core, the flesh being tender and sweet throughout. A very heavy cropper and a great keeper, holding its fine colour all through the winter, coming out of the pits as bright and fresh as when first dug. Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.50.

**Ferguson's Inimitable Forcing.**—The most suitable variety for forcing, and is quite distinct from all other carrots. The foliage is light and averages only six inches in height. The straight roots are usually handsome of a bright orange-red colour, with a blunt end and very small tap-root. They are exceedingly uniform, growing about four inches long by one and a quarter inches in diameter. It is an ideal variety for forcing under glass and for early market grown in the open. Pkt., 10 cts.; oz., 30 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Sutton's New Red Intermediate.**—A large and excellent variety of perfect form, colour light red, with very small core; sweet and mild in flavour. It grows much larger than James' Intermediate, and is highly recommended as the best for general purposes as well as for the exhibition table. Pkt., 10 cts.; oz., 30 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Improved Danvers Half Long.**—The best for general crop. The most profitable for market gardeners, stump rooted. It is now grown largely everywhere on account of its great productiveness and adaptability to all classes of soils. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.20.

**Danvers Special Strain.**—Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.50.

**Early Scarlet Horn.** (Stump rooted).—For forcing and early outside. Flesh deep orange, fine grained. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65c.

**Early Very Short Scarlet or Golden Ball.**—French forcing, the earliest variety, almost as round as turnip radishes. Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.

**Early Guerande Half Long.**—Stump rooted, intermediate as to length between the French Horn and S. Nantes, but much thicker, attaining at the neck from 3 to 4 inches in diameter. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.

**Nantes Early Half Long Scarlet.**—Stump rooted, sweet, fine flavored; almost without a core; very fine grained; excellent for home garden or market. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.; lb., \$2.20.

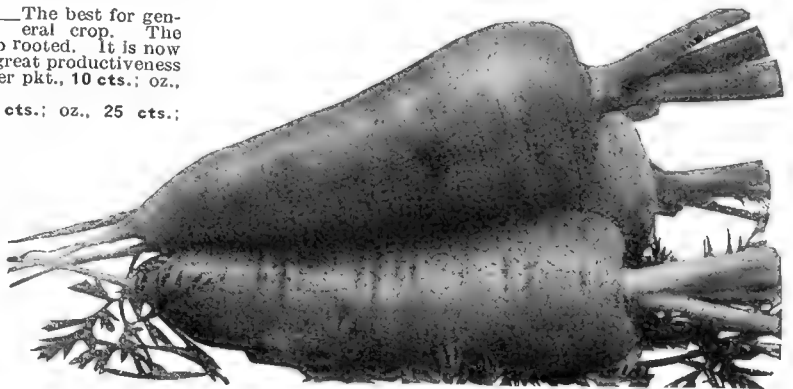
**Nantes, Extra Selected.**—Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Chantenay or Early Model.**—One of the best for home or market. Deep red flesh, fine grained, sugary, excellent sort for table use; stump-rooted, always smooth, very early; productive. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.; lb., \$2.20.

**Chantenay, Improved Strain.**—This has been especially selected for our trade, the seed being taken from the finest type which were selected for smoothness and uniformity. Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.50.

**Ferguson's Early Market.**—A valuable new stump-rooted variety, early, and of very fine quality, adapted for either market gardening or private use. The roots, which attain an average length of about six inches, are straight, clean-growing, and of handsome appearance. We consider it the finest type of Market Carrot. The best for bunching. Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**James Intermediate or Half Long Scarlet.**—One of the finest table carrots, being both tender and delicious. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.



Ferguson's Early Market Carrot.

**St. Valery.**—A desirable sort for private gardens, of rich orange colour and fine flavor. The roots grow very uniform and large. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.

**Long Red Stump Rooted.**—This sort has but little core, which is a great acquisition in a table Carrot. Per pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.

FOR FIELD VARIETIES, SEE AGRICULTURAL SEEDS.

# CELERY

One ounce will furnish about 4,000 plants.

## FERGUSON'S PARIS GOLDEN YELLOW Self-Blanching.

This grand Celery is of French origin. It has the demand above all other sorts because of its many superb qualities. It has the same self-blanching habit as White Plume, but is much heavier and more compact, though not so early. Grows to good size, is very tender and free from strings, the heart large and solid, crisp, brittle, of excellent quality and very beautiful.

Our stock is grown by the original introducers in France. Pkt., 25 cts.; ¼ oz., 60 cts.; ½ oz., \$1.00; oz., \$1.80.

**Ferguson's Perfected White Plume.**—We offer a choice strain of this valuable and popular variety. It is unsurpassed for fall and early winter use. When reaching maturity the inner stalks turn white and require very little earthing up to blanch them. Pkt., 10 cts.; oz., \$1.00.

**White Plume (Regular Strain).**—Pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.00.

**Sutton's A1. Red.**—This is a carefully selected large variety; solid, crisp and possessing an excellent nutty flavour. Its shapely growth, bright colour and elongated stalk make it very attractive. Pkt., 15 cts.; oz., 75 cts.

**Giant Pascal.**—For the market gardener this is the most profitable Celery for Fall or Winter use. This is a green-leaved variety, developed from the Paris Golden; it is somewhat larger and taller and its fine nutty flavor is free from any bitter taste. It grows about two feet high, and the stocks are broad, thick and crisp, blanching with but slight earthing-up very quickly. Pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.00.

**Evans' Triumph.**—A splendid long keeper of extra fine flavor. Healthy, strong grower, crisp and tender. Pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.00.

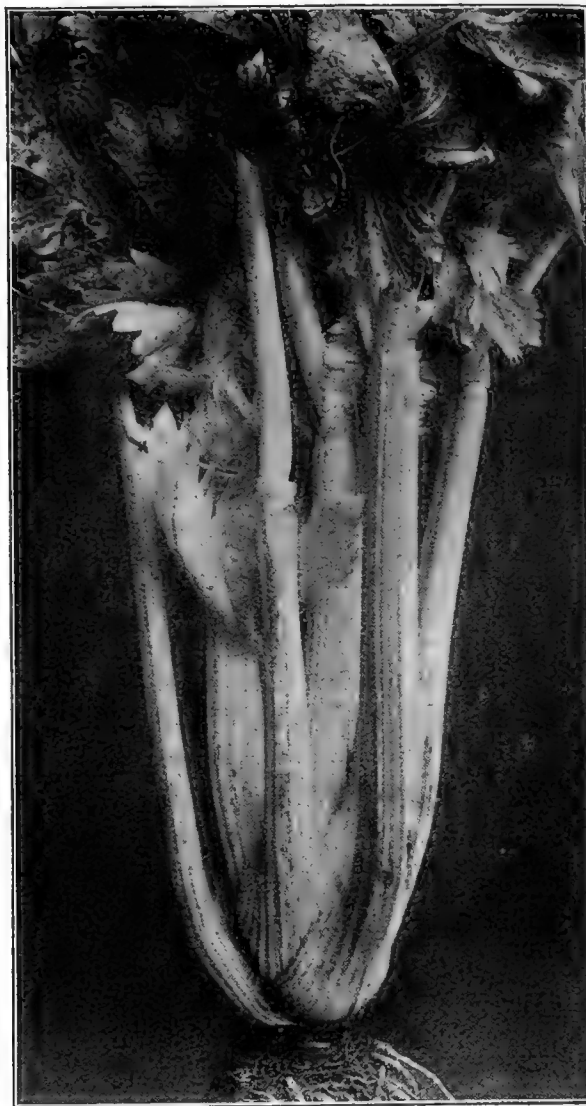
**Winter Queen.**—It is one of the very best late varieties. A strong grower, thick-ribbed, blanches a beautiful cream white. Ribs are solid, crisp and have a delicious nutty flavor. Pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.00.

**Dwarf White Solid (large ribbed).**—Solid, crisp and large, fair quality. A good keeper. Is as solid as Large Ribbed Kalamazoo. Per pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.00.

**Celery Seed for Flavoring.**—Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**CELERIAC OR TURNIP ROOTED.**—A variety of celery with turnip-shaped roots, which are white-fleshed, tender and possess the flavor of celery stalks. Sow seed at the same season and give the same treatment as common celery. Pkt., 10 cts.; oz., 75 cts.

**Celery Plants.**—(See page 25).



Paris Golden Yellow Celery.

## WILD CELERY (*Vallisneria Spiralis*)

This plant does not resemble garden celery, but is a species of grass growing wholly submerged. It is unnecessary to explain to duck-shooters its value as a wild-duck food. Seed is handled and shipped similarly to Wild Rice Seed. The seed may be sown in the fall or early spring but the most favored method of propagation is by planting the bulbs in the spring or by setting out plants during May and June. These plants send out runners and increase very much like strawberry plants. Wild Celery requires a mud bottom and from two to six feet depth of water. Full directions for planting goes with each shipment. Prices—Seed, 1-16 Bushel, \$2.50; 1-8 Bushel, \$4.00; 1-4 Bushel, \$7.75; Bushel, \$30.00. Plants.—\$9.00 per crate of about 200 plants.

### RUST ON CELERY

I work on a private place and grow every year about 1200 heads of Celery. During the last five or six years I had lots of trouble with rust. I tried Bordeaux and copper solutions without any benefit. I use much manure water for feeding. Two years ago, in the Summer, when the rust started, I put manure water in a sprinkling pot and sprinkled the Celery thoroughly, so that every bit of the top was wet. The result was that the rust dried right up. Last year (1918) I had over 1200 plants which did not look well in August. I noticed rust spots on them, so I sprinkled them with manure water on clear days, once a week; you ought to have seen the plants start up. I never had any better celery than in the Fall of 1918 and I have been growing Celery for the last 30 years on the same place. I use the manure water full strength, as it comes out of the manure bin.—H. S., N. Y.

# SUGAR CORN

planted 16 inches in the row and two and a half feet between the rows.

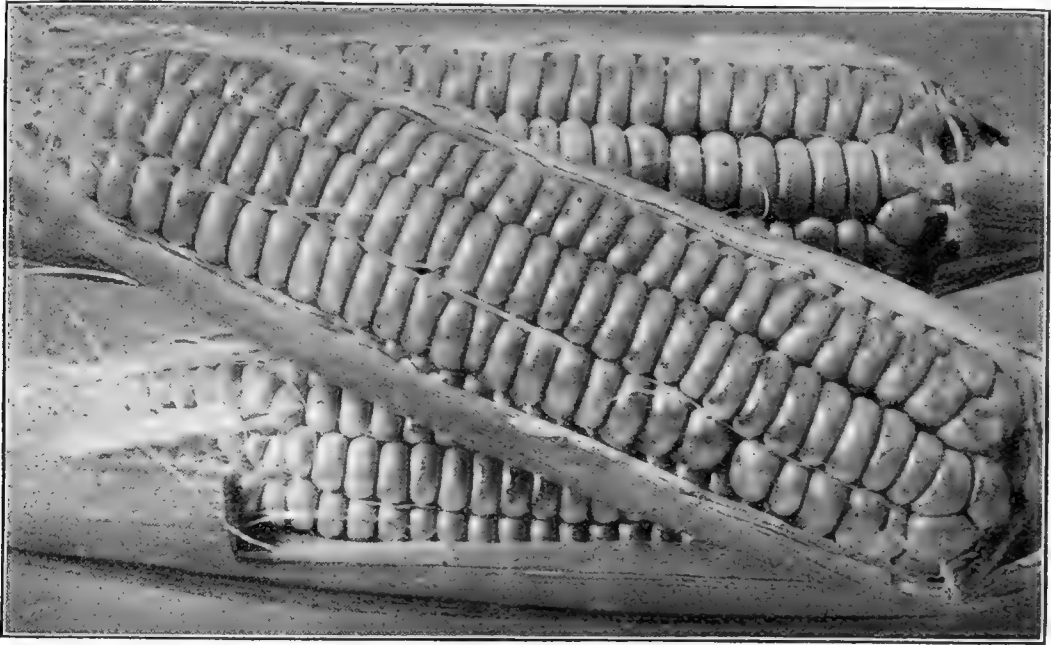
## FERGUSON'S NEW EARLY MALCOLM.

The most wonderful Sweet Corn of the Age.

A distinct and valuable addition to the early sweet corns. It is very sweet, juicy and tender. In colour it is a rich cream white. It has the finest flavor and is the best tasting sweet corn of any of the so-called extra early varieties. It is extremely

**CULTURE.**—The sweet or sugar varieties, being liable to rot in cold or wet ground, should not be planted before the ground has become warm, in hills three feet apart each way covering about half an inch, and thin out to 3 plants to a hill. The extra early varieties can be

early and is ready to use from six to ten days sooner than any other sweet corn grown, and is larger than any of the earliest or medium-early varieties. The ears are of large size. Early Malcolm Sweet Corn is especially adapted for planting in Northern latitudes and in high altitudes where other varieties fail entirely. With all its strong points Early Malcolm will easily be a leader. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 20 cts.; lb., 60 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.; lb., 70 cts.).



Sugar Corn

**Golden Bantam.**—This is an early sweet corn with golden yellow grain, very tender and of excellent quality. The ears are eight rowed, six to seven inches long and of the medium size found most suitable for the table. The flavor is exceptionally rich and delicious. Our stock of this splendid home garden and market variety has been very carefully selected and is decidedly superior to much that is offered. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Howling-Mob.**—Is ready for use only three to five days later than the extra early **Cory** when both are planted at the same time, but the ears are so much larger in size, while the grains are so much whiter and sweeter that it should really be compared with the second-early **Crosby's Twelve-Rowed** and other varieties of a later season. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Peep O'Day.**—The two points of this new corn are its earliness and sweetness. It is also very productive. The stalks, bearing from two to five ears each, are very dwarf, which admits of their being planted close together. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Holme's Premo 60-Day.**—This is a very fine, very early Sugar Corn, hardy, early, and seed does not rot easily when planted early. The stalks grow about 5 feet high and mostly bear two well-developed ears to the stalk. It is of fine quality. A good early market sort.  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Early Cory (Red Cob).**—One of the very earliest and fine for a market variety. Medium size ears and red cob.  $\frac{1}{4}$  lb., 15 cts.; lb., 40 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 50 cts.).

**Cory White Cob.**—Similar to the preceding, with white kernels.  $\frac{1}{4}$  lb., 15 cts.; lb., 40 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 50 cts.).

**Crosby.**—An old and popular variety twelve and sometimes fourteen rowed; grain thick and sweet; finest market sort. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 40 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 50 cts.).

## MEDIUM EARLY VARIETIES.

**Early Evergreen.**—A valuable sort, maturing a few days earlier than **Stowell's**. Ears nearly as large, about 7 inches long, 14 to 16 rowed; grains somewhat narrower than **Stowell's**; very productive and high quality. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Kendell's Early Giant.**—Nearly as early as **Crosby** and produces ears 8 to 10 inches long, averaging 12 rows to the ear. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 40 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 50 cts.).

**Black Mexican.**—Although the ripe grain is black, when in condition for the table is white, exceedingly sweet flavor. Pkt.; 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 40 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 50 cts.).

## LATE VARIETIES.

**Stowell's Evergreen.**—Recognized everywhere as the standard variety for market and home use. Remains longer in green state than any other sort. Very large ears, with deep grains and remarkably sweet. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Country Gentleman.**—Valued for its richness of flavor and productiveness, having 3 to 4 good ears to the stalk, all extra large with exceedingly deep kernels. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 15 cts.; lb., 45 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 55 cts.).

**Zig-Zag Evergreen.**—It comes in about eight days ahead of **Stowell's Evergreen**; the kernels very much resemble this variety, but grow on the cob in zig-zag fashion.  $\frac{1}{4}$  lb., 20 cts.; lb., 60 cts. (post paid,  $\frac{1}{4}$  lb., 20 cts.; lb., 70 cts.).

**Pop-Corn.**—**White Rice.**—Ears short, kernels long pointed, colour white, excellent flavor. Per lb., 20 cts. (post paid, lb., 30 cts.).

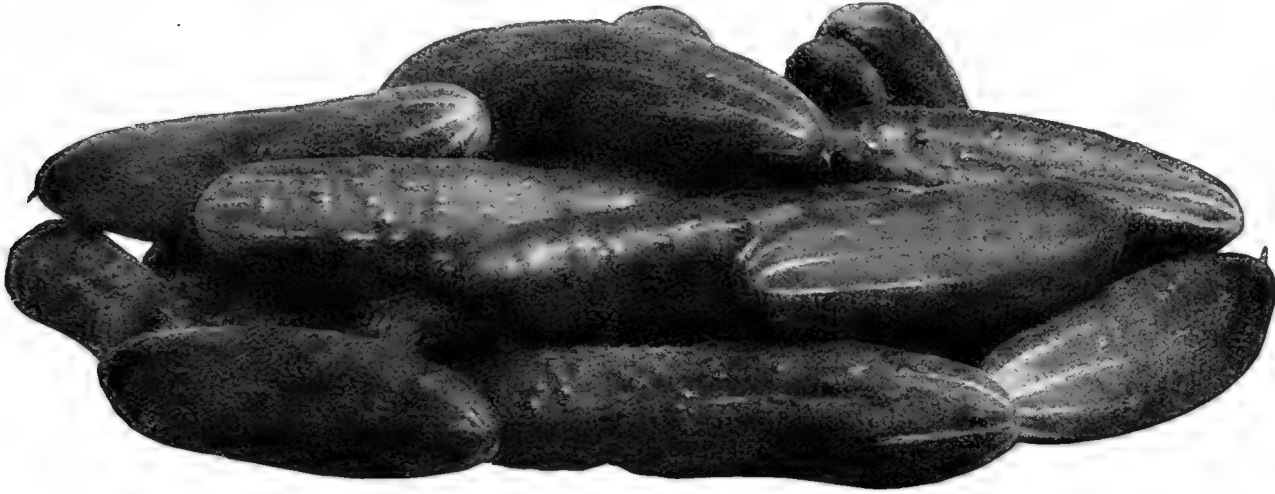
For Field Corn, see Agricultural Seeds.



# CUCUMBER

1 ounce will plant about 50 hills.  
Two to three pounds to the acre.

For very early cucumbers, sow the 1st of April in a hot bed, upon pieces of sod (grass side down) or in 5 inch pots, so that they may be readily transplanted to the open ground in rich soil when the danger of frost is over, or protected by bell glasses. For general use plant when the weather has become settled and warm, in hills about 4 feet apart each way; thin out four of the strongest plants to each hill; they succeed best in warm, moist, rich, loamy soil.



Davis Perfect Improved Cucumber.

**Davis Perfect Improved.**—Now recognized by expert cucumber growers everywhere as being the best cucumber for forcing under glass or growing outdoors.

Habit of growth vigorous and should not be planted as close together as other White Spine sorts. Fruit very dark, glossy, green; shape slim and symmetrical; average length about ten inches. Exceedingly crisp and tender, and seem to hold their color and freshness long after being cut. Not quite as early as some of the White Spine varieties, but will out-yield any of them and will sell when others are a drag on the market. The only cucumber for market gardeners to grow for profit, and the best for the home garden.

For the past four years, the originator, by careful selection, has produced an excellent improved type of this splendid variety, but having only a small quantity of seed saved from these selected types we can not offer it in quantity of more than four ounces. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

**Davis Perfect Regular Strain.**—Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Ferguson's Extra Long White Spine.**

One of the finest cucumbers ever introduced. Vines being of unusual vigorous growth, produce enormous crop of perfectly smooth and very dark green fruits measuring twelve to sixteen inches long. While many specimens grow larger, its beautiful, solid fruit (with hardly any seed cavities) make it a perfect gem as a slicer. The flesh is a greenish white, firm, crisp, and of a most delicious flavor. Per pkt., 15 cts.; oz., \$1.00.

**Arlington White Spine Forcing.**—

A strain of White Spine which has been improved through careful selection with a view to use for forcing in hot houses and frames. Per pkt., 10 cts.; oz., 75 cts.; ¼ lb., \$2.25.

**Improved Early White Spine.**—A well-known standard variety. Flesh tender and crisp. Fruit uniform in size, straight and dark green, with few white spines. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Danish Pickling.**—This is one of the best introductions of one of the leading growers in Denmark. It has become very popular in the land of its origin, and we believe will meet with equal favor in this country. It is a fine slicer and pickler, and is being largely used for dill and mustard pickles. It is a shy seeder and remains green a long time. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 80 cts.



Telegraph Cucumber

**Fordhook Famous.**—A long White Spine variety, growing from 10 to 12 inches. Fully as long as Long Green and of equally good quality. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Giant Pera.**—Frequently grows twelve to eighteen inches long. Fruit very smooth, straight, dark green, with very few seeds, excellent flavor. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Long Green Improved.**—Fine for pickling when small, good for table use when about half-grown. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Japanese Climbing.**—Fruit about ten inches long, thick and fine flavor. Skin dark green, flesh pure white. Can be grown on trellises and fences. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Boston Pickling.**—Fruit short, smooth and pointed at each end; bright green, and a great yielder; one of the best for pickling. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**New Lemon.**—Nearly round, with yellow and green markings, and smooth skin like a lemon. Customers who grow it say they prefer it to any other variety. The flesh is tender, crisp and sweet. The fruits are from 2½ to 3 inches in diameter, and they should be used just as they are turning yellow. For pickling, either when green or ripe, they are unexcelled. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

**Serpent or Snake Cucumber.**—A very interesting curiosity. The cucumbers grow up like a snake with the head protruding; sometimes several feet in length. Per pkt., 10 cts.

## ENGLISH CUCUMBERS

**English Frame.**—Sion House, Marquis of Lorne, Telegraph (Rollison's), Lockie's Perfection, Veitch's Sensation, Rochford's Favourite. Per pkt., 25 cts.

**Ferguson's Improved Telegraph.**—Telegraph has, for a great many years, been recognized as the best and most prolific Cucumber for all purposes, and still keeps its place amongst the many new varieties that have been introduced since. The improved stock which we are now offering has a shorter neck, and keeps fresh and crisp much longer than the original variety. The fruits are of fine shape, large and uniform in size, deep green in colour, and of exceptionally fine quality. It is an enormous cropper, and suitable for exhibition or culinary purposes. Pkt., 25 cts.

**Cucumber Plants.**—(See page 25).

SWISS CHARD OR SPINACH BEET

**Giant Lucullus.**—The leaves of this spinach beet are crumpled similar to the Bloomsdale or Savoy Leaved Spinach. If cut when about 6 to 8 inches high, it can be used the same as spinach. Its habit of growth is such that you can cut it at intervals throughout the entire season till frost. If allowed to grow, the plant will attain the height of 2 ½ feet and consist, when fully developed, of about a dozen creamy white stalks, about 12 inches long, that can be cooked like asparagus and is very tender and delicious. It yields an abundant supply of delicious greens and should be in every garden. It is the one vegetable that is always ready to use. One ounce will sow about 100 feet of drill. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

CURLED CHERVIL

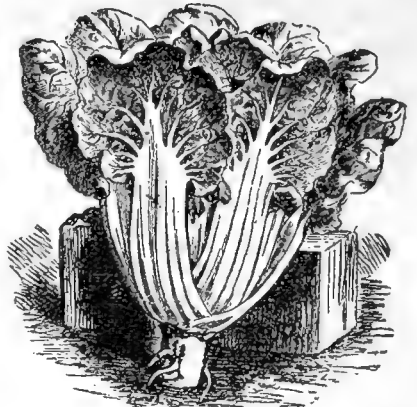
Used for flavoring and garnishing dishes of meats and vegetables. The leaves are ready for use in six to ten weeks from sowing the seed. Sow in early spring in rich, well prepared soil, and when plants are well-established transplant to about one foot apart. One ounce will sow about 100 feet of drill. Pkt., 10 cts.; oz., 50 cts.; ¼ lb., \$1.50.

WHITLOOF CHICORY OR FRENCH ENDIVE

Is an easily grown crop for salad in winter.

This makes one of the most delicious of all winter salads. The seed is sown in good rich soil in May or June and then transplanted to 9 inches apart. In autumn the roots are taken up, those which have divided, or too narrow leaves being thrown aside, if any such are met with, as well as any which bear several heads. The leaves of all the selected roots are then trimmed off about 1 ½ inch from the neck, and any secondary shoots that may appear on the sides of the roots are picked out, the lower end of the roots being also shortened so as to bring them all to a uniform length of 8 to 9 inches. The roots are then planted in earth in a dark, cool place in the cellar or under a greenhouse bench. Finely blanched crisp leaves are thrown out, and when cut, new leaves form. The leaf growth furnishes a delicious salad or it may be cooked in the same manner as Sea Kale. Pkt., 10 cts.; oz., 50 cts.; ¼ lb., \$1.50.

**Large Rooted.**—Requires similar treatment to carrot. The root is used to mix with coffee, and the leaves as a salad. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.



Swiss Chard.



Whitloof Chicory

Fried Egg Plant

Peel and cut an egg plant into one-quarter inch slices, dust with salt and pepper, roll in beaten egg yolk, then in fine bread crumbs, and fry in deep fat.

Stuffed Egg Plant

1 egg plant, 1 cup softened stale bread crumbs, 2 tablespoons butter, ½ tablespoon finely chopped onion, 1 beaten egg, salt, pepper and paprika to taste.

Cook egg plant fifteen minutes in enough boiling salted water to cover. Cut a slice from the top and remove pulp, taking care not to come too close to the skin. Chop pulp and add crumbs.

Melt butter in frying pan, add onion and fry five minutes. Add chopped pulp, crumbs and seasoning and cook five minutes. Let cool slightly, add beaten egg and refill egg plant. Cover with buttered bread crumbs (½ tablespoon melted butter to ½ cup crumbs) and bake twenty-five minutes in a hot oven.

EGG PLANT

Sow the seed thickly in a hot bed in March. When three inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out from the pots when the season becomes sufficiently warm, in rows two feet apart and one foot in the rows. One ounce will produce about 1,000 plants.

The soil can hardly be made too rich. After settled warm weather has set in, set the plants in open ground, allowing 3 feet space between the rows, and 2 feet space between the plants in the row. Watch for the potato beetle. This pest as well as blight may be controlled by spraying with Arsenate of Lead.

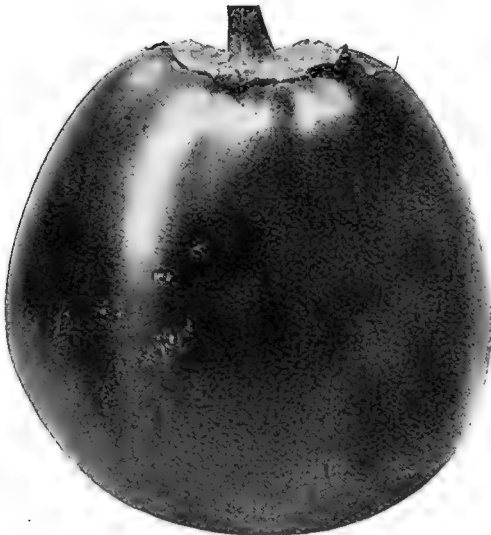
**N. York Improved.**—This is the very best type of this standard variety. Absolutely spineless; the plants grow low, stocky and branching; early and almost continuous bearer. The fruits are very large, smooth and have a rich satiny purple colour. Pkt., 10 cts.; oz., \$1.50.

**Black Beauty.**—From 10 to 12 days earlier than New York improved. The fruits are broad, thick, of most attractive form and finest flavor. Its rich, lustrous, purple-black colour is very uniform. Fine for the home garden. Not so good a yielder as New York. Pkt., 10 cts.; oz., \$1.50.

**Long Purple.**—Very hardy; early and productive. Per pkt., 10 cts.; oz., \$1.50.

**Early White Round.**—Per pkt., 10 cts.; oz., \$1.50.

**Egg Plants.**—(See page 25).



Egg Plant New York Improved.

### CRESS

**Extra Curled, or Pepper Grass.**—Crisp, pungent leaves, finely cut and ornamental; used as a condiment and for garnishing; rapid growing, dwarf and compact. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.25.

**Upland.**—The leaves and their flavor somewhat resemble Water Cress, though this sort succeeds in dry soils, and is slow in running to seed. Pkt., 10 cts.; oz., 75 cts.

**Water Cress.**—Highly esteemed for salads and garnishing. It must be grown along moist banks or in tubs in water-covered soil. Pkt., 15 cts.; oz., \$1.00.

### DANDELION

One ounce to 100 feet of row.

**CULTURE.**—Plants usually come up small and feebly. Sow seed in good clean loam, in drills 1 foot apart, and thin or transplant to 10 or 12 inches apart in the rows. May be blanched by covering with leaves or other loose litter; or by placing a large inverted flower pot over each plant.

**Thick-Leaved or Cabbaging.**—An improvement on the common sort, the leaves being double the size. Per pkt., 15 cts.; oz., \$1.25.

### FLORENCE FENNEL

A native of Italy, a distinct dwarf annual, very thick-set herb. The large, finely cut, light green leaves are borne on very broad, pale green or almost whitish stalks, which overlap at their bases, somewhat like Celery, but much more swelled at edible maturity, to form a sort of head or irregular ball, "the apple," as it is called, sometimes as large as a man's fist. Sow in spring after the ground gets warm, in drills 12 inches apart and the plants thinned to 6 inches asunder. They are very thirsty things and require water frequently. When the "Apple" attains the size of an egg, earth may be drawn up slightly to the base, which may be about half covered; cutting may begin about ten days later. Florence Fennel is generally boiled and served with butter or a cream dressing. It suggests Celery in flavor, but is sweeter and is even more pleasingly fragrant. Up to the present time, it is not much used in Canada, but it deserves to be more extensively cultivated. Pkt., 15 cts.; oz., 90 cts.



Kohl Rabi.

### ENDIVE

One of our best salads during the cool fall, winter and early summer months. Endive is not only much used for salads and garnishing, but is also desirable for greens and for flavoring soups and stews. Sow in May for early use, about one-quarter inch deep, in rows ten to twelve inches apart; thin out plants one foot apart and when well grown effect blanching by folding the leaves in their natural position around the heart, and tying the outer leaves together by their tips, in cone form, which must be done when quite dry or they will rot. Dr. Fink, an authority on foods, highly recommends Endive as a food for persons suffering from indigestion. One ounce of seed for 100 feet of drill.

**Ferguson's Winter Beauty.**—Hardy, finely curled green leaves; easily blanched; one of the best. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

**White Curled (Summer).**—Leaves pale green, a good variety. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 60 cts.

**Broad-Leaved Batavian "Scarole."**—Very fine hearts, easily blanched. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 60 cts.

### KOHL RABI

One ounce of seed will sow a drill of about 150 feet

A vegetable superior to cooked turnips is found in Kohl Rabi, a small quantity of which is grown in this country. One common mistake is in harvesting it too old. It is best when quite tender and not full grown. If permitted to grow old it becomes woody and stringy. The vegetable has the added advantage of doing fairly well in a semi-arid country where turnips will not grow at all, as it does not require as much moisture.

**Early White, or Green Vienna.**—Flesh white, a standard sort for market and table use. Per pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

**Early Purple Vienna.**—Bluish-purple similar to the above, except in colour. Per pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

### LEEK

The Leek is generally considered superior to the onion for soups, being of milder and more agreeable flavor.

Sow early in spring, in drills or beds; when the plants are eight to ten inches high, transplant them in rows six inches apart and twelve inches between the rows. Plant at least three inches deep to have them well blanched. One ounce will sow about 100 feet of drill.

**Leek Dobbie's International Prize.**—This Leek should be grown by competitors in all districts where it is customary to grow, and where Judges show a preference for long-blanched Leeks. When well grown, Dobbie's International Prize is impossible to beat. Per pkt., 20 cts.; oz., 60 cts.

**Large Scotch, or Musselburgh.**—Grows to an immense size; hardy and fine flavored. Per pkt. 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

**Monstrous Carentan.**—Very hardy; extraordinary size and of mild flavour. Per pkt. 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

**Leek Plant.**—(See page 25).



Carentan Leek.



# LETTUCE

**Ferguson's Peerless.**—A remarkable fine Lettuce somewhat resembling Big Boston in habit but with a very important distinction—the colour is lighter green, the leaves are not tinged with brown and the heart is larger in diameter. Although this fine variety grows to a large size, it has the merit of being crisp and of excellent flavour. Its chief peculiarity is the extraordinary time it remains fit for use, withstanding summer heat and drought, and not running to seed until long after all other cabbage varieties, and we therefore heartily recommend it, especially to the market gardening trade. Pkt., 15 cts.; oz., 50 cts.;  $\frac{1}{4}$  lb., \$1.50.

**Earliest Wayahead.**—Shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground, in spring, summer and early fall months—it has proved to be not only the very earliest and surest heading of all early lettuces, but also of the very finest quality at all seasons. Thousands of satisfied planters are most enthusiastic in praise of Earliest "Wayahead" Lettuce.

It is not only earlier than May King, and other choice extra early varieties, but the heads are also larger in size and more tightly folded. Per pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**May King.**—An early outdoor variety and a good forcer. The heads are globe-shaped, large and solid; leaves yellowish green with brown tinge, crisp and tender. Pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Unrivalled.**—An improvement on the famous Big Boston Lettuce, possessing all the good qualities of this kind, viz.: Earliness, large size, attractive colour, etc. It can be sown almost the whole year round; resists summer heat remarkably well, is crisp and solid when other sorts become tough and flabby under same conditions. Pkt., 10 cts.; oz., 40 cts.;  $\frac{1}{4}$  lb., \$1.25.

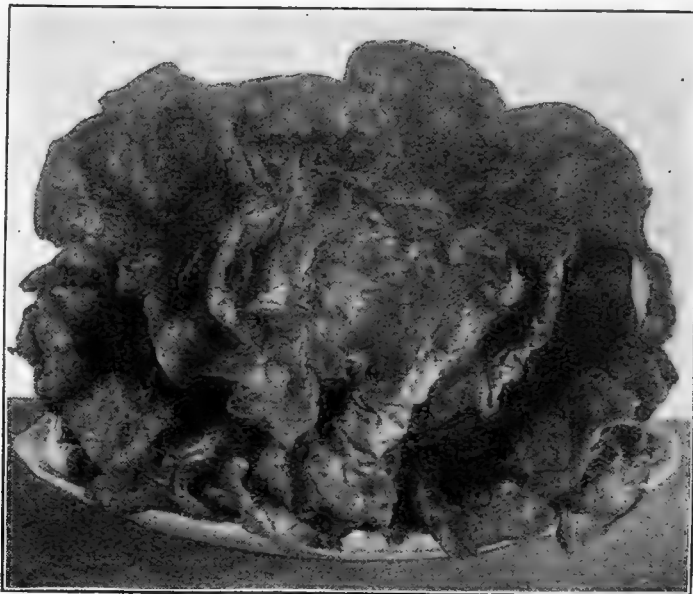
**St. Louis Head.**—A popular and satisfactory head lettuce with the market gardeners. It forms a fine head, is tender and crisp, and is very slow to run to seed. Outer leaves are light green, and the inner ones are bright, creamy yellow; of a very fine flavor. Pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Montreal Market.**—A good summer cabbage sort; very crisp, large and light in color. Largely used for growing in cold frames during winter and spring, and a good sort to grow for market. Pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.



Cos Lettuce

For early use, sow in hot beds in February; and for general use, as early in the spring as the ground can be worked, in a well prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession. One ounce will sow 100 feet of drill.



Unrivalled Lettuce.

**Extra Select Grand Rapids.**—The well-known forcing variety for Canada, 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. Our strain is specially selected for purity and is the best to be found. Pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Golden Queen.**—Very early, yellow colour; excellent for forcing. Heads are small, but nearly round. Can be grown either under glass or outside in spring. Per pkt., 10 cts.; oz., 35 cts.

**Cos or Romaine Lettuce.**—Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its long, narrow, spoon-shaped leaves, folding into loose, sugar-loaf shape which blanch better by having the outer leaves drawn about them and tied. The quality is distinct from that of the Cabbage Lettuces and by many is considered very superior. Per pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**The Morse.**—A large, loose-bunching or non-heading variety, forming a large bunch of leaves, which are very crisp and of fine flavor. In color it is a light green and very attractive. Pkt. 10 cts.; oz. 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Early Curled, Simpson.**—Does not head, but forms a compact mass of curly leaves of yellowish green. It matures early, hence is very generally grown in cold frames and is an early outside crop. Per pkt., 10 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

Lettuce for Birds.—Per lb., 50 cts.

Lettuce Plants.—(See page 25).

## MUSTARD

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks till autumn. Water freely.

**White.**—Best variety for salads. Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.00.

**Chinese.**—Leaves twice the size of the ordinary White Mustard, of a deeper green. Flavor pleasantly sweet and pungent. Per pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.

# Musk Melon

One ounce will sow about 70 hills

**Montreal Improved Nutmeg.**—This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting and of exquisite flavor. The best melon in cultivation. Our stock is true and was grown here under glass from selected fruit. Full cultural directions with every order. Per pkt., 15 cts.; oz., 75 cts.

**Honey Dew.**—The delicious honeylike flavor of this new melon has met with instantaneous public favor and created a sensation wherever used. The fruit is of large size, weighing eight to ten pounds each. The rind is perfectly smooth and cream colored. The flesh is from one and one-half to two inches thick, light green in color, very sweet and juicy. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.00.

**Gold Lined Rocky Ford.**—Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; colour green with a gold margin next to the seed cavity. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.00.

**Early Hackensack.**—An improvement over the old Hackensack, producing melons of as good quality and fully 10 days earlier. Large fruit, with thick green flesh of the finest flavor. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Petoskey or Paul Rose.**—A yellow fleshed sort of suitable size for a crate melon and of excellent quality. The vines are vigorous and productive. The fruits are oval, slightly ribbed and densely netted. In general appearance they are much like Netted Gem, but larger. The flesh is orange yellow, very thick, firm, sweet and highly flavored. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Miller's Cream.**—Skin dark green colour, slightly netted. Flesh salmon colour, sweet and delicious flavor. A remarkable keeper. One of the best salmon-fleshed Melons for shipping. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Rocky Ford.**—Very early, flesh light green, very popular sort. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.



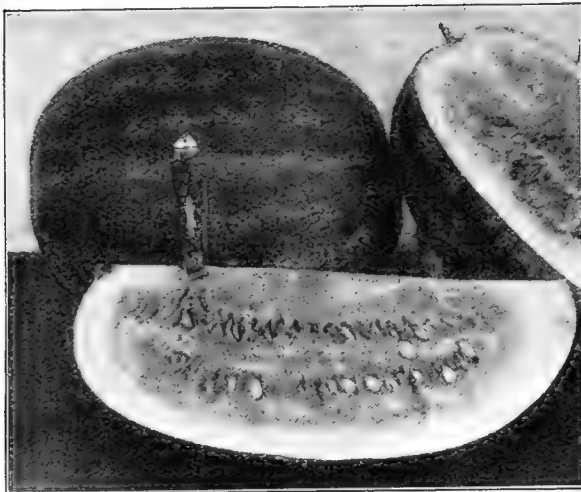
Montreal Improved Nutmeg Melon.

**Sutton's Superlative Forcing.**—Fruit of medium size, almost round and very handsomely netted. Flavor unsurpassed by any other Melon in cultivation. Flesh scarlet, merging into a beautiful green tint near the skin, and so thick that the fruit is practically without a cavity. Occasionally a green-fleshed fruit of the same high quality is found. Plant robust in habit and sets its fruit with unusual freedom. Pkt., \$1.00.

# WATER MELON

One ounce will plant 50 hills

Water Melons are cultivated in hills, which should be six to eight feet apart each way, and of light, moderately rich soil. The hills should be dug about two feet square, 18 inches deep, and half filled with well-rotted manure, which must be thoroughly incorporated with the soil. Plant in May, ten seeds to a hill; when the plants are well up, thin out to three. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Seeds should not be put into the hills until the weather becomes settled and warm.



Cole's Early Water Melon.

**Cole's Early.**—A fine variety for the family and market, and is particularly adapted on account of its earliness to Northern latitudes. The bright red flesh is cool, crisp and sweet. The Melons are of medium size, and produced in generous numbers. The heart is surprisingly large in proportion to size of Melon. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Kleckley's Sweet.**—The sweetest of all the Water melons. Fine flavored and grained; tender meat. Fruits are large size; rind very thin and green; very brittle; flesh scarlet and firm. Season is only medium early; hence is not recommended for the extreme north. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Phinney's Early.**—This is a very choice early Melon. It is very hardy and a sure cropper. The rind is thin and the quality of flesh is sustained clear to the rind. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Black Spanish.**—Large, roundish, nearly black, dark red flesh, early. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Fordhook Early.**—Shape nearly round, colour medium green; rind tough; flesh bright red, very delicate, melting and deliciously sweet. A good shipping variety. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Citron.**—Round small fruit, used for making preserves. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

# ONIONS

**CULTURE.**—Sow in rich, sandy soil, in drills 1 foot apart, as early as possible in the spring, cover with fine soil and firm well, either with roller or back of spade. When plants are strong enough, thin out to 3 or 4 inches. The finest Onions are produced by sowing the seed in a hot bed early in March and transplanting seedlings to the open ground 6 inches apart. One ounce for 100 feet of drill, 5 to 6 pounds to the acre.

**Denia, Genuine Imported.**—We offer a small quantity of seed of this valuable Onion, which was offered in 1911 for the first time in America.

It is generally conceded that this is the parent type of the well-known Prizetaker, of which, however, it is a far superior strain. It runs more uniform in size and is a more characteristic globe. The bulb is more compact and its rings or layers of growth are thinner. Generally, the neck is smaller than Prizetaker, and it seems to ripen down somewhat earlier. Pkt., 25 cts.; oz., 75 cts.

**Cranston's Excelsior.**—The World's Champion Exhibition Onion. An extremely large onion, the most popular exhibition variety in the British Isles. It is globe-shaped and in color a pale yellow; the flavor is very mild. An extra-long keeper, it remains sound after many other varieties have decayed. It is not uncommon to grow bulbs of this variety exceeding 3½ pounds in weight and 21 inches in circumference. Our stock is the raiser's own selected seed. Pkt., 25 cts.

**Ailsa Craig.**—A large and handsome variety. The skin is a pale straw colour, flesh white and mild. The bulbs are irregular in form, some being globe-shaped, others inclined to a flat oval. Seed should be started in a hot bed or in a box in the house for their full development. Pkt., 15 cts.; oz., 75 cts.

**Extra Select Large Red Wethersfield.**—Very popular, a sure and heavy yielder, the best keeper, grows to an immense size, solid, oval-shaped, flattened on top; skin purplish red, smooth and glossy; flesh white, slightly tinged with pink, strong-flavored. The best variety for poor or dry soil. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.; lb., \$3.25.

**Ferguson's Extra Early Red.**—An extra early red medium sized, flat variety, and a good yielder. It is fully two weeks earlier than Large Red Wethersfield. On account of its earliness, it is especially adapted for growing for early market, or in Northern latitudes where other varieties do not always mature. Forms a hard bulb with good keeping qualities. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.; lb., \$3.25.

**Ferguson's Selected Red Globe.**—This beautiful new onion is of perfect globe in shape, large, often running from three-fourths to a pound in weight, and of a fine deep purplish red in colour and is not to be confounded with the ordinary small, light-coloured red globe onion. We know of no globe onion more easily grown, more productive or a better keeper than this sort. We recollect a field of these onions, for which we supplied the seed, yielding over 1,200 bushels per acre. Pkt., 15 cts.; oz., 40 cts.; ¼ lb., \$1.35; lb., \$5.00.

**Southport Red Globe.**—Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.00; lb., \$3.50.

**Ferguson's Select Danvers' Yellow Globe.**—Our strain of Yellow Globe Danvers' Onion is unsurpassed. The shape is uniformly round; colour, a fine brown orange yellow. The entire crop ripens down at one time and winters well. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.; lb., \$2.75.

**Danvers' Early Flat Yellow.**—Differs from the globe strain only in shape, being more flat. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 80 cts.; lb., \$2.50.

**Australian Brown.**—Distinct from all other Onions; uniform in size and shape; wonderfully hard and solid, and will keep almost indefinitely. Ripens extremely early. It is of medium size, round, with skin of a deep amber brown; flesh mild and agreeable. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 80 cts.



Large Red Wethersfield Onion.

**Mammoth Prizetaker or Spanish Yellow Globe.**—A bright straw color, thin-skinned, and of immense size. Seed should be started in the house or in a hot bed for their full development. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.00; lb., \$3.50.

**Mammoth Silver King.**—Bulbs very large, flat, thick; skin thin and silvery white; flesh sweet and tender. Seed should be started in the house or in a hot bed for their full development. Per pkt., 10 cts.; oz., 45 cts.; ¼ lb., \$1.35.

**White Globe.**—Handsome globular Onion of mild flavor; good keeper. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

**New Hardy Winter Onion.**—All those who plant this variety. It lives in the ground all Winter. Should be sown in August, and will mature before sets the following season. Makes an excellent variety for very early bunching. Should not be planted in ground where water is liable to stand. Compare the difference in cost of 20 bushel sets required per acre and six pounds of seeds per acre. Manure as for other varieties. If wanted to transplant, sow beginning of July and transplant six weeks later. This variety does not run to seed. Pkt., 10 cts.; ½ oz., 30 cts.; oz., 50 cts.; ¼ lb., \$1.50; lb., \$5.50.

**White Barletta.**—A very early small, pure white variety. For pickling purposes, it is unequalled. Pkt., 10 cts.; oz., 45 cts.; ¼ lb., \$1.25.

**Small White Nocera.**—Fine for pickling. Per pkt., 10 cts.; oz., 45 cts.; ¼ lb., \$1.25.

## Shallot, Common.

Bulb the size of a walnut, pear-shaped and covered with a russet-colored skin, coppery-red in the lower part, shading often into grey in the upper part. The most extensively grown and a very good keeper. Pkt. 15 cts.; oz. 60 cts.

## ONION SETS.

Prices subject to market changes.

Indispensable for early onions as in a very few weeks they are ready for the table. While it is much cheaper to grow onions from seeds, still it is considerable work to keep them weeded, and many of our customers who have only a small garden prefer to grow them from the sets.

Onion Sets should be planted out as early in the Spring as the ground is dry enough to work; plant them in rows 1 foot apart, with sets 3 or 4 inches apart in the row.

**Red Bottom Sets.**—Per lb., 25 cts. (post paid, lb., 35 cts.).

**White Bottom Sets.**—Per lb., 30 cts. (post paid, lb., 40 cts.).

**Yellow Bottom Sets.**—Per lb., 25 cts. (post paid, lb., 35 cts.).

**Summer Top Onions.**—Per lb., 40 cts. (post paid, lb., 50 cts.).

**Potato Onion.**—Per lb., 25 cts. (post paid, lb., 35 cts.).

**Shallots.**—Per lb., 25 cts. (post paid, lb., 35 cts.).

**Garlic.**—Per lb., 55 cts. (post paid, lb., 65 cts.).

Special prices for large quantities on application.



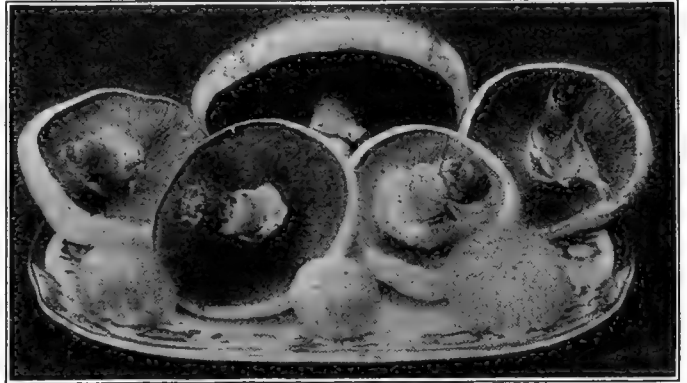
Ferguson's Selected Red Globe Onion



# D. & F's. Reliable Mushroom Spawn

**CULTURE.**—Mushrooms may be grown in cellars, under benches of greenhouses or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. Secure fresh horse dung, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed of the required size.

Three or four feet wide, 8 in. deep, and any length desired, are the proper proportions for a bed; but this may be varied. Prepare the mixture of loam and manure, making the bed in layers; and pounding down each with the back of the spade. Leave this to heat through for a few days and as soon as the heat subsides to 70 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn 2 to 3 inches in diameter; fill up the holes with the compost and at the expiration of a week or 10 days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches, and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry.



**D. & F's. Specially Imported English Spawn.**—Per brick, 25 cts. (post paid, 45 cts.); per doz., \$3.00. A trial solicited.

**D. & F's. American Pure Culture Spawn.**—This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type. In 1 1/2 lb. brick, 40 cts. each (post paid, 60 cts.); per doz., \$4.00. See page 10 for Bottle Spawn.

## PARSNIP

One ounce will sow about 200 feet of drill. **CULTURE.**— Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering the seed one-half of an inch deep. When well up, thin out to 4 inches apart, in the rows. Parsnip grows best when the soil is deeply cultivated and enriched with old and well-rotted stable manure; without this preparation the roots will be tough, stringy and small.

**Dobbie's Selected.**—The seed has been saved with the greatest care from roots of the finest form and quality. From its large size, it is well fitted for competition purposes and is generally recognized as the best for exhibition. Per pkt., 15 cts.; 1/2 oz., 35 cts.; oz., 60 cts.

**Cooper's Champion Hollow Crown.**—The best variety in cultivation for general use; roots intermediate length, white, smooth, sugary; excellent flavor, easily harvested. Per pkt., 10 cts.; oz., 20 cts.; 1/4 lb., 50 cts.; lb., \$1.75.

**Guernsey, or Student.**—Slightly shorter than the Hollow Crown variety with a somewhat broader top or shoulder; it can also be sown a trifle later if necessary. Pkt., 10 cts.; oz., 20 cts.; 1/4 lb., 60 cts.; lb., \$1.75.

## PEPPER

One ounce will produce about 200 plants. **CULTURE.**—Sow in hot bed in March or April; transplant in open ground when all danger from frost is over in rows three feet apart and two feet apart in row.

**Perfection Pimiento.**—The mildest flavored of all peppers. Must be started early to mature. Pkt., 10 cts.; oz., \$1.00.

**Royal King.**—It is a cross between Chinese Giant and Ruby King, having the shape of the Ruby King, except that it is broader at the pointed end and almost the size of the Chinese Giant. It is far more prolific than Chinese Giant, some plants producing as high as twenty-four marketable peppers, and it is fully as early as Ruby King. It is exceedingly mild and can be sliced and eaten raw without any fear of burning. Color of fruit green at first, turning to a beautiful shade of scarlet. The flesh is thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt., 10 cts.; oz., \$1.25.

**Ferguson's New Quality.**—It has a beautiful, attractive shape, while its superior quality (almost as sweet as an apple) makes up its attractive appearance. As to size, it averages five inches in length, three and one-half inches wide at the stem end and two and three-fourth inches at the other. Pkt., 15 cts.; oz., \$1.00.

**Chinese Giant.**—The largest and finest mild red variety. Per pkt., 10 cts.; oz., \$1.25.

**Large Bell, or Bull Nose.**—A favorite pickling sort; is early, large, mild and thick-skinned; color red. Per pkt., 10 cts.; oz., \$1.00.

**Long Red Cayenne.**—A small, long, bright red sort; very productive; extremely strong and pungent. Per pkt., 10 cts.; oz., \$1.00.

**Neapolitan (New).**—The earliest and most productive large variety. Bright red, sweet and mild. Per pkt., 10 cts.; oz., \$1.25.

**Ruby King.**—The best and most profitable mild red pepper for market or family use; sweet and mild; large size. Pkt., 10 cts.; oz., \$1.00.

**Sweet Golden Dawn.**—Very handsome and distinct mild flavor; very popular. Per pkt., 10 cts.; oz., \$1.00.

**Sweet Spanish Monstrous.**—A very large variety and mild-flavored. Pkt., 10 cts.; oz., \$1.00.

# PEAS

**CULTURE.**—Plant early, smooth varieties as soon as frost is out of ground; follow with the early wrinkled sorts in a week or 12 days and make successive plantings every 10 days until the 1st of July. Plant 2 to 3 inches deep, in double rows 3 to 4 feet apart, if cultivated by hand; if by horse power rows should be 3 feet apart. Plants should be from 8 to 10 to the foot, according to the variety. Dwarf varieties require no sticks, tall varieties do better staked. Use one lb. to 50 feet of drill, 2 to 3 bushels per acre.

**Marvellous.**—This splendid first early Pea, in our opinion, is the best of the semi-dwarf section on the market. The pods are produced invariably in pairs and these combine the size and earliness of Sutton's Excelsior with the deep green colour and form of "Little Marvel." It proved to be one of the heaviest cropping varieties in trials, the pods containing 8 to 10 large peas and of extremely sweet flavour. The plants grow to a height of about 18 inches. Per ¼ lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.).

**Laxtonian.**—One of the earliest dwarf Peas. Vines are vigorous, growing about eighteen inches high, well covered with large, even-sized pods averaging 8 to 9 to a vine and 9 to 10 peas in a pod. Quality of the best. ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Sutton's World Record (An Earlier Gradus).**—The English gardeners have long been noted as growing the most magnificent Peas in the world, and in Sutton's World Record, we have one of the finest developments of the English Early Pea. It grows about 3 feet in height, is of dark colour, and produces pods frequently attaining the length of 7 inches and over, closely packed, with 10 to 13 large dark green Peas of the finest flavour. ¼ lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.).

**Gradus (Our specially selected stock).**—This is the earliest large-podded pea in cultivation. The peas are tender, sweet, of extra size; pods average four to four and one-half inches long and contain from eight to ten peas of enormous size and excellent quality. 3½ feet. Per ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Thomas Laxton.**—A strong grower and as productive as the well-known Gradus. The pods are of a dark green color, filled with large peas of superb flavor. 3½ feet. ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Sutton's Excelsior.**—A deservedly popular variety. An enormous yield and of the very choicest flavor. Pods well filled with six to eight peas packed very closely together. Valued highly for the home garden and for all-round excellence is second to none. ¼ lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 55 cts.).

**Early Ameer.**—Old variety, lately become very popular with truckers in certain sections. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price. ¼ lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 55 cts.).

**American Wonder.**—Well known early wrinkled sort. Height, 1 foot. Per ¼ lb., 15 cts.; lb., 40 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 55 cts.).

**Alaska.**—The earliest blue pea. Height, 2½ feet. Per ¼ lb., 15 cts.; lb., 40 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 50 cts.).

**First and Best.**—Very early and prolific; a standard variety. Height, 2½ feet. ¼ lb., 15 cts.; lb., 40 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 50 cts.).

## SECOND EARLY VARIETIES

**Sutton's Dwarf Defiance.**—Long dark green pods, well filled with peas of superior flavour. Height, 2 to 2½ feet. Per ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Admiral Dewey.**—Remarkably healthy, vigorous and productive, it is almost entirely free from sports and in that respect is far ahead of any large podded pea ever grown. Pods of the largest size, frequently 6 in. in length, straight, rounded at the point, and most beautifully shaped, well-filled with large peas that are deep green in color and of the richest flavor; height, 3½ feet. Per ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Senator.**—A grand, second-early, productive of large, luscious, very wrinkled Peas. The handsome, large, round pods are curved and always well filled. Vines grow 3 to 4 feet and carry an enormous crop of delicious Peas, which always command top prices in market on account of their appearance and quality. Per ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

## LATER VARIETIES

**Dwarf Champion or June.**—Very similar to the Champion of England except in growth of vine, which is only about two and one-half feet in height. Pods are dark green, good size, and very prolific. Quality excellent. ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

**Champion of England.**—One of the best. Delicious flavor; profuse bearer of large pods and well-filled with large green wrinkled peas. Per ¼ lb., 15 cts.; lb., 40 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 50 cts.).

**Improved Stratagem.**—Half-dwarf; green wrinkled; vigorous branching habit, and enormous cropper. Pods long, filled with from 7 to 9 extra large peas of extra fine quality. Height, 2½ feet. Per ¼ lb., 15 cts.; lb., 50 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.).

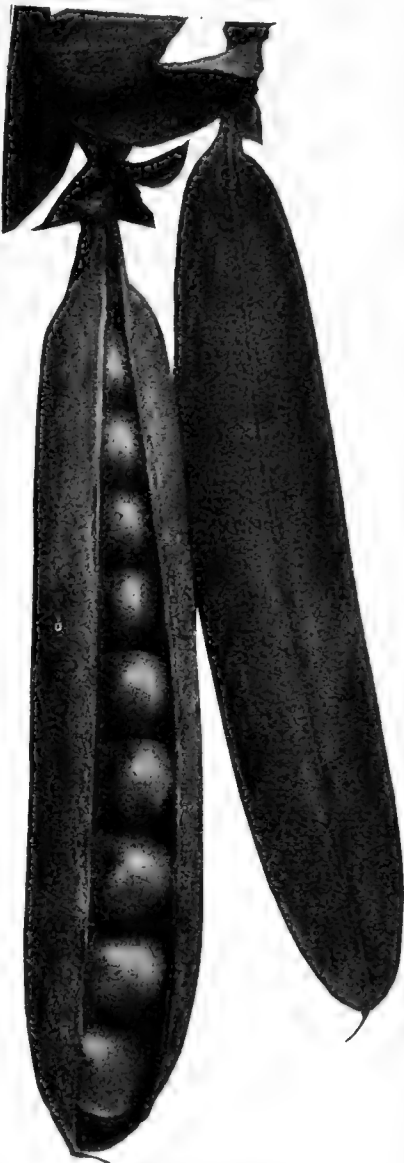
**Telephone.**—This pea has proved to be a valuable acquisition. Height four and one-half feet. Pods very large, filled with immense peas, which are the largest of any. Tender and sweet. Per ¼ lb., 15 cts.; lb., 45 cts. (post paid, pkt., 10 cts.; ¼ lb., 20 cts.; lb., 55 cts.).

## SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. The latter are cooked with the peas intact. They are very tender and exceedingly sweet.

**Dwarf Sugar.**—Gray seed; height 2 feet. ¼ lb., 20 cts.; lb., 65 cts. (post paid, pkt., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.).

**Melting Sugar.**—White seed; height, 4 feet. ¼ lb., 20 cts.; lb., 65 cts. (post paid) pkt., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.).



World Record

## BOWKER'S PYROX

The best all around spray. Pyrox kills leaf-eating insects. It prevents rots, blights, rusts and fungus. It serves the purposes for which two mixtures were previously used. It is no experiment; it was introduced in 1898. It is a creamy paste that looks like paint, is easily mixed with cold water, and sticks like paint to the foliage. It won't wash off. (See Page 107.)

# POTATOES FOR SEED

Prices subject to Market Changes.

REGISTERED AND GOVERNMENT CERTIFIED SEED POTATOES

## THE IMPROVED DELAWARE A VALUABLE POTATO

It is seldom we find such a combination of size, yield and quality in any Potato. A professor in one of our agricultural colleges recently told us that he dug a carpet bagful from a single hill, and a day or two after a farmer stopped me to say that it was the finest eating Potato that he knew of. It is a medium early; in size it is large, being above the average; skin and flesh are white; in yield it is a remarkable cropper, while in quality it is unsurpassed. It is one of the few varieties that do well on all kinds of soil. There is no Potato that has stood so many years and given such universal satisfaction among our customers. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

## PIONEER PRIDE

Its Cropping Qualities are Phenomenal

500 bushels per acre have been grown in successive years on the Fawcet Farm of Sackville, N.B. Its productiveness is largely attributable to the uniform size of the potatoes, nearly all sizing up alike, none too large and practically free from small tubers. In shape it is roundish oblong with fairly square ends and more or less flattened. The skin is almost white, with a tinge of russet-rose; the eyes are few and very shallow. The flesh is white, solid and finely grained and cooks white, dry and mealy. Owing to its vigorous constitution and sturdiness of growth it seems to possess unusual ability to overcome disease and other features which frequently enter into and make the potato crop a source of disappointment to the grower. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

**Irish Cobbler.**—One of the best extra early varieties, producing plump, handsome tubers of good size and excellent quality. The tubers are a beautiful creamy white with strong well-developed eyes slightly indented. A heavy cropper. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

**Improved Green Mountain.**—This is unsurpassed for main crop. The tubers are white, of flat oval shape, smooth, handsome, and of excellent quality. It is a heavy cropper, small tubers being seldom present. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).



**Early Rose.**—This variety has been a great favorite for many years and many growers still claim that it has never been excelled in quality and productiveness. Potatoes are long in shape, good size and light pink in colour at the bud end. They cook mealy and are of the finest flavor. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

**Beauty of Hebron.**—Very rapid and vigorous grower, ripening as early as Early Rose, which it resembles but frequently exceeds in productiveness and excellence for table use, either baked or boiled. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

**Vermont Gold Coin.**—A splendid main-crop variety of remarkable productiveness and finest table quality. Slightly oblong in shape, skin light golden, flesh pure white. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

Mr. Chs. A. Fisk, of Abbotsford, says he harvested over 300 bushels per acre.

**Carman No. 1.**—Intermediate in ripening, and resembles the Rural New Yorker No. 2 in shape, and also in having very few and shallow eyes. The flesh is white and quality perfect. Per peck, \$1.00; bushel, \$3.00 (post paid, lb., 25 cts.; 5 lbs., 90 cts.).

## HYBRIDIZED POTATO SEED

FROM THE SEED BALLS—HEADQUARTERS' STOCK

Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivalled seed will produce an endless variety of new kinds. Your fortune maybe in one of them. They are as easy to grow as Tomatoes. It is from these that ALL valuable new varieties of Potatoes are produced. Growing new and distinct Seeding Potatoes from the Seed Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet. Pkt. 15 cts.; 4 for 50 cts.

## PUMPKIN

One ounce will plant 50 hills

**Small Sugar Pumpkin.**—This is the pumpkin from which the celebrated Yankee Pumpkin pie is made. About 10 inches in diameter is its average size. Skin is deep orange yellow, with fine grained flesh; handsome and an excellent keeper. A most prolific yielder and cannot be excelled as a table pumpkin. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Genuine Mammoth or True Potiron.**—Form like an immense Nutmeg Melon with depressed ends, slightly ribbed and grows sometimes to 3 feet or more in diameter, and weighs over 200 pounds. Per pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

**Large Sweet Cheese.**—Fine for pies, productive, flesh yellow, sweet, keeps well in winter. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Japanese Pie.**—Flesh very thick, fine grained and sweet; fine for pies. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Mammoth Golden Cushaw.**—An improvement on the old light colored Cushaw, the skin, when Pumpkins are matured, being a beautiful golden orange colour. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Etampes Mammoth Red.**—Grows to an enormous size; colour bright red and is splendid for exhibition purposes. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

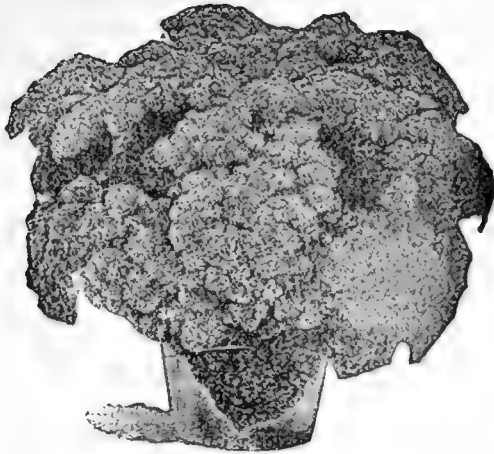
**Connecticut Field.**—Pkt., 10c.; ¼ lb., 60c.; lb., \$2.00.



Large Cheese Pumpkin.

**RHUBARB.**—Rhubarb requires the richest deeply tilled annually; then the produce will be large and tender.  
**Victoria.**—The variety in general use for the market; yields immense crops. Per pkt., 10 cts.; oz., 50 cts.; ¼ lb. \$1.50.  
Roots, 25 cts. each; \$2.50 per doz.





# PARSLEY

One ounce will sow about 150 feet of drill

Soak the seed a few hours in warm water and sow very early in the spring, in drills 12 inches apart; thin out the plants to 3 inches apart.

**Ferguson's Perfection.**—For general use we can confidently recommend this variety as the best procurable; exquisitely curled, bright green and crisp; hardy and always to be had in condition for using; for exhibition purposes this strain will be found to be one of the best, possessing all the good points necessary. Fine dwarf habit, very crisp and close and seed saved only from specimen plants. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.00.

**Champion Moss Curled.**—One of the best for garnishing. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Hamburg or Rooted.**—The edible portion is the fleshy root, which resembles a small parsnip, and is used for flavoring soups, stews, etc. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

**Plain.**—The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

# RADISH

One ounce of seed to 100 feet of drill; 10 lbs. to an acre.

**Cooper's Sparkler.**—A quite distinct variety, fulfills every requirement in each respect, the colour being a rich carmine scarlet with a very pronounced tip of the purest white. It is equally well adapted for forcing in frames or growing in the open ground for while the leaves are small they are sufficiently large for bunching. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Ferguson's Fireball, Forcing.**—This variety has a small top and is the earliest in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in twenty-five days and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely owing to their small tops. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Non plus Ultra Forcing.**—One of the best radishes for forcing. Roots round and bright scarlet. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Rapid Forcing.**—A beautiful variety, rose-scarlet with white tip, very nearly as early as Fireball; has as small tops and may be planted as closely. It is most attractive in appearance and cannot fail to give satisfaction as a forcing radish. This is very popular as a market sort. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Rosy Gem.**—(Forcing).—One of the earliest; perfectly globular; colour rich, deep scarlet at the top, blending into pure white at the bottom; exceedingly tender and crisp. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**French Breakfast, Improved.**—A medium-sized, Olive-shaped variety of bright scarlet colour, attractively tipped with white; it is of quick growth with very small top and flesh is of the finest quality, tender, and of mild flavour; excellent for forcing or for summer use. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Icicle, the Finest Eating, White Radish.**—The best eating radish, and the best white variety. This sort has long, slender, pure white roots, which remain mild and crisp until they grow of large size. Many of our customers think it is the finest radish they have ever grown. Tops are quite short, making it early, and also allowing their close planting. A succession is secured by planting seed every ten days. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Ferguson's Re-selected Stock Scarlet Turnip White Tip.**—This radish is a table dainty; crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip and is a high-class strain for outdoor planting. It combines a beautiful appearance with finest radish quality—appealing to the eye and palate.

**French Grown.**—Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**American Grown.**—Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Crimson Giant Forcing.**—This variety will grow to a medium size as quickly as any; it also remains crisp, firm and solid until double the size of others. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Vick's Scarlet Globe.**—Very attractive; admirable for forcing or out-of-door culture; globe form with small top; colour deep rich scarlet. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Extra Early White Turnip.**—Round, like the Scarlet in pure white. Per pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Beckert's Chartier.**—Long crimson shaded white. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Long Scarlet Short Top.**—Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Long Black Spanish.**—Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Round Black Spanish.**—Excellent for winter use. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.00.

**Sakurajima, Mammoth Japan.**—A variety of large size grown in Japan. Pure white, tender and crisp; the largest grown. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 60 cts.; lb., \$2.00



Icicle Radish

# SQUASH

One ounce Marrow Squash will plant about 50 hills.  
One ounce Early Squash will plant about 25 hills.



Early White Bush Scalloped Squash.

## New Hybrid Marrow "Rutherside Orange."

The most prolific and best flavoured variety yet raised. An excellent new Marrow, bearing deep golden-coloured globe-shaped fruit, slightly flattened at the ends; the flesh is firm, with a distinct and delicate flavour superior to that of any other sort. It matures very early, is of running or trailing habit, and extraordinarily prolific. Will doubtless be welcome in every garden. Pkt., 25 cts.

**Improved Hubbard (Winter).**—The well-known and standard late variety; our strain is excellent. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Mammoth Warty Hubbard (Winter).**—Grows larger than the old variety, darker green and covered with knots. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Golden Hubbard (Winter).**—This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller; earlier to mature and of rich orange red colour, instead of the dark olive green of the old Hubbard. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Essex-Hybrid (Winter).**—Standard winter sort, flesh a trifle darker than Hubbard; excellent keeper. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

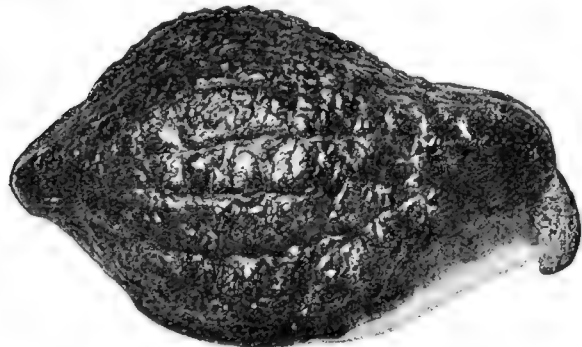
**Fordhook (Winter).**—Skin bright yellow, flesh straw colored, very sweet, one of the best keeping winter varieties. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Early White Bush Scalloped (Summer).**—Standard summer variety, good for home or market. Per pkt., 10 cts.; oz., 30 cts.

**Early Yellow Bush Scalloped (Summer).**—Same as White Bush, except in colour. Per pkt., 10 cts.; oz., 30 cts.

**Boston Marrow.**—A late variety. A good keeper and of fine flavor. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Long White Bush Marrow (Summer).**—This variety is a great improvement on the old trailing Vegetable Marrow. The fruit is larger and handsomer. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.



Hubbard Squash

**Vegetable Marrow (Summer).**—An English variety, early and with greenish white skin. Flesh white, soft and of rich flavor. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Giant Summer Crookneck.**—Double the size of the ordinary Crookneck and very warty, but similar in other respects. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., 90 cts.

**Mammoth Chili.**—(Winter).—Attains an enormous size often reaching a weight of 200 pounds, and not unfrequently weighs 300 pounds. Despite its size, its flesh is rich and fine flavored. It is especially desirable for stock feeding and exhibition purposes. Pkt., 10c.; oz., 30 cts.; ¼ lb., 90 cts.

# SPINACH

One ounce will sow about 100 ft. of drill. 12 to 15 pounds to an acre.

**Long Season.**—A greatly improved stock which stands longer before starting seed stems than any other variety. It forms a dense rosette of thick, tender, crumpled leaves of very dark green color, retaining their freshness for a long period after cutting. The best Spinach for Spring sowing. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Victoria.**—Of dark green color and long standing qualities. Unexcelled for Spring sowing. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.00.

**Bloomsdale.**—Very hardy and stands up well. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35c.; lb., \$1.00.

**Viroflay.**—Has thick leaves of great substance, fine color and quality. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.00.

**Long Standing.**—Excellent for Spring sowing, as it will stand two weeks longer than the old Round Leaf without going to seed. Per pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.00.

**NEW ZEALAND.**—This plant is grown to supply the place of the ordinary Spinach during the hottest months of the year, or in dry, arid localities where ordinary Spinach does badly. The seed is sown either in a hotbed or open ground during May, where the plants are to stand, and the plants will continue to yield a supply of leaves during the entire summer, requiring hardly any attention. The leaves are eaten, boiled and minced like ordinary Spinach. This grand vegetable is not well enough known, and should be grown in every garden. In fact, it can be called cut-and-come-again Spinach, as it is a continuous bearer. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00.

# SALSIFY

One ounce will sow 50 feet of drill.

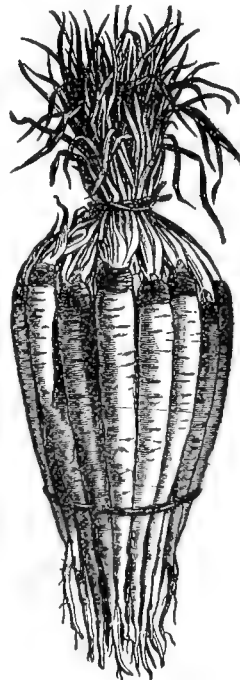
The preparation of the soil and the sowing is the same as for parsnip or carrots. The roots may, like parsnips, remain in the ground all winter.

**Mammoth Sandwich Island.**—(Oyster Plant).—The best variety of Salsify, being very smooth, of fine quality, pure white and extra large size. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

**Long Black, or Scorzonera.**—Resembles above, but black. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$1.25.

# SEA KALE

Sow in May in richly manured soil, and when plants are sufficiently strong, transplant into rows three feet apart, with two feet between plants. In fall cover with two feet of leaves, allowing these to remain until the succeeding June, when the plants will be thoroughly blanched. Per pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.



# TOMATO

of rotted manure should be mixed in the earth of each hill. If the vines are trained on trellis, the fruit will be finer and larger. One ounce of seed produces about 1,500 plants;  $\frac{1}{4}$  lb., for an acre.

## REDHEAD

### GROWER'S DESCRIPTION

**A new second early. We find it the most valuable of all the second earlies**

This is a new second early which we obtained in the West, and which on this first trial scored many points in earliness ahead of even Baer. The day we made the first picking we got  $2\frac{1}{2}$  bushels from Redhead, 1 bushel from Jewell,  $\frac{1}{2}$  peck from Baer and 10 fruits from Bonny Best, all sowed and set at the same time side by side and all plots about the same size. It is a strong grower, very prolific, the fruit bright red and very smooth, some of the first to set were oval in shape and weighed 12 to 14 ounces.

The summer of 1918 was very unfavorable for all our tomato crop and we could not make a fair comparison; but during the summer of 1919 Redhead more than held its own as a second early, and during a wet spell after a prolonged drought, Redhead cracked less than any other variety we grew. **And it is early.**

One of our customers says:—"Nov. 2-19—I can truthfully say that Red Head was the best all purpose tomato I have ever grown, and next season I shall set out a much larger patch of them. I think it will be the leading market gardeners' tomato before long, as it is so early, productive and smooth, and of the best quality.—H. A. N., Mo."

Also this: "Jan. 22-19—The Redhead tomato bore some fine fruit and promises to be a winner. We shall try more this year.—S. & W., Michigan."

Seed from Crown and Selected Fruit. Pkt., 15 cts.;  $\frac{1}{2}$  oz., 75 cts.; oz., \$1.25.

## Earliana, Langdon's Northern Adirondack Strain.

The strain of this first early sort is earlier and decidedly superior to much that is sold as Sparks' Earliana, and the extreme earliness of its large, smooth fruits makes it a very profitable tomato for market gardeners, as well as desirable for the home garden. The vines are small but vigorous and productive. The fruits are bright deep scarlet, medium to large, nearly round and exceptionally smooth for so early a variety. The fruits are borne in clusters near the base of the plant and the bulk of the crop ripens very early. Pkt., 10 cts.;  $\frac{1}{2}$  oz., 50 cts.; oz., 90 cts.

Seed from Crown and Selected Fruit. Pkt., 15 cts.;  $\frac{1}{2}$  oz., 75 cts.; oz., \$1.25.

**Sparks' Earliana.**—It is remarkable for its size and its earliness. Good form and wonderfully productive. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**Chalk's Early Jewel.**—A second or medium early sort. Later than Earliana. Vines vigorous and productive. Fruit solid and without hard core. Colour bright scarlet. A sort having great merit. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**Bonny Best.**—Ripens with our strain of Chalk's Early Jewel. Vine, strong and vigorous. Fruit, deep scarlet, ripening to stem. Flesh, firm. A productive and very desirable early and main crop variety. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**June Pink.**—An extra early, purplish pink tomato similar to the popular scarlet fruited Earliana in growth of vine, shape and size of fruits and time of maturing. A valuable variety for market gardeners who want a very early, purplish pink tomato. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**CULTURE.**—Sow thinly about the first week in March in a hot-bed, greenhouse, window, or sitting room, where the temperature is never below 60 degrees. When two inches high set out the plants in boxes about four inches apart, or pot singly. About the first of June they may be transferred to the open ground. Set them deeply, four feet apart, and a shovelful of rotted manure should be mixed in the earth of each hill. If the vines are trained on trellis, the fruit will be finer and larger. One

**June Pink.—Langdon's Northern Adirondack Strain.**—Pkt., 10 cts.;  $\frac{1}{2}$  oz., 50 cts.; oz., 90 cts.

**Ponderosa.**—Largest of all Tomatoes. Single specimens often growing to weigh from one and one-half to two pounds. Good flavor. Pkt., 10 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.50.

**Crimson Cushion, or Beefsteak Tomato.**—Fruit very large, round and regular; bright scarlet color, flesh solid and of best quality; cells small and few in number. The plants are very productive. The fruit is of fine form and appearance, and will stand shipment well. Pkt., 10 cts.; oz., 60 cts.

**Ferguson's O. K. Tomato.**—This variety has

proved a marvellous bearer and an extremely early setter; there is no Tomato which should become as widely grown as this in private gardens or for market; it is bound to give the utmost satisfaction to all. It is of perfect shape, of deepest scarlet colour; the skin is firm without being thick, and the fruitfulness of the plants is perfectly astonishing. Pkt., 25 cts.;  $\frac{1}{2}$  oz., \$2.25.

**John Baer.**—A fine extra-early variety of a bright red color, of perfect round shape, free from core, with very few seeds and a mild sweet flavor, and ripening right up to the stem. Vines are vigorous and very productive, fifty to one hundred fruits to a plant, splendid for shipping. Pkt., 10 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.50.

**Coreless.**—A very large, uniformly globe-shaped bright scarlet, main crop or late tomato. The fruits are very solid, almost entirely free from green core and with little or no depression at stem end, making the variety desirable for slicing, canning and shipping. The vines are very vigorous, blight resistant and productive. Pkt., 10 cts.; oz., 75 cts.

**Early Detroit.**—This splendid variety is the largest and best of the early purplish pink tomatoes. The vines are vigorous and very productive. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Early Detroit is one of the most valuable shipping tomatoes yet produced. It is also desirable for the home garden and near markets. Pkt., 10 cts.; oz., 50 cts.;  $\frac{1}{4}$  lb., \$1.75.

**Livingston's Globe.**—(Livingston's Specially Selected Stock).—Perfectly globe-shaped, early, large, smooth, has few seeds, firm-fleshed, ripens evenly; rose-colored tinged with purple, very productive; an excellent keeper, flavor superb. A fine variety for greenhouse or for outdoor growing. Pkt., 10 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.00.

**Stone.**—Vines vigorous and productive; fruit large, smooth, deep red in color, and very heavy. The best all-round variety where earliness is not important. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**Dwarf Giant.**—Dwarf plant and giant fruit. A selection out of a cross between Ponderosa and Dwarf Champion, and it partakes of the nature of both parents. The fruit has the mild sweet flavor of Ponderosa, is also large and meaty with very little core. It is deep purplish-crimson in colour and belongs to the later fruiting types. Pkt., 10 cts.; oz., 60 cts.;  $\frac{1}{4}$  lb., \$1.75.

**Carter's Sunrise.**—English grown from selected stock. One of the best croppings of all the round fruited varieties. Excellent for forcing as well as for outdoor culture. Fruit is of medium size, roddish scarlet in color, and of very delicious flavor. This variety sets very freely. Pkt., 25 cts.;  $\frac{1}{2}$  oz., 75 cts.; oz., \$2.50.



Tomato, Alacrity.



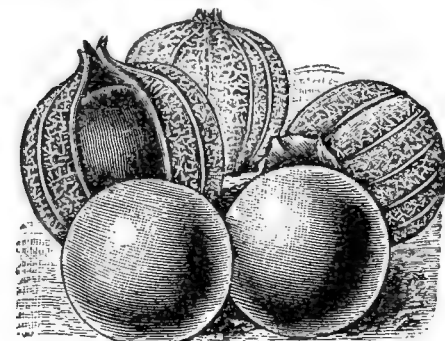
**TOMATO—Continued**

**New Tomato, "Lister's Excelsior."**—The result of a cross between Lister's Prolific and Ailsa Craig. A most remarkable variety, forces earlier, and without doubt the most prolific Tomato ever offered. The plant is of a sturdy habit, very closely jointed and producing enormous bunches, averaging 25 fruits, but as many as 40 are quite common, while for its free setting and fruiting qualities, there is no variety to equal it. The fruit is of medium size, round and firm, skin a beautiful deep glossy scarlet, while the flavour is exquisite. Pkt., 25 cts.

**Golden Queen.**—A handsome yellow variety, of medium size and excellent flavor. Very attractive when sliced with the red sorts. Pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75.

**OTHER STANDARD VARIETIES.**

	Pkt.	oz.	¼ lb.		Pkt.	oz.	¼ lb.
Beauty.....	.10	.60	1.75	Magnus.....	.10	.60	1.75
Dwarf.....				Perfection....	.10	.60	1.75
Champion .10	.60	1.75		Trophy.....	.10	.60	1.75
Favorite.....	.10	.60	1.75				



**SMALL FRUITED VARIETIES FOR PRESERVING AND DECORATION**

Pkt. 10 cts.;  
½ oz., 60 cts.  
oz. \$1.00.

- Pear Shape, or Fig.**—Fruit is yellow.
- Red Cherry.**—Small, red, borne in clusters.
- Strawberry, or Ground Cherry.**—Fruit is yellow, grows in husks; excellent for preserves.
- Yellow Peach.**—Fruit is yellow, peach shape.
- Yellow Plum.**—Lemon color, oval, smooth.

**TOBACCO**

One ounce will sow twenty-five feet square, and produce plants for an acre. Sow in April in a hot bed, and when the plants are about six inches high transplant about the end of May into rows three feet apart each way.

**Comstock Spanish.**—Considered the very best of Cigar Tobaccos. The leaf is of good size and is suitable for wrappers or fillers. Pkt., 10 cts.; oz. \$1.00.

**Quesnel.**—A variety whose high aromatic flavor is well known and very popular. For a pipe tobacco this has no equal and it is very extensively grown in Canada for this purpose. The leaf is of good size and shape and excellent quality. If you want a highly flavored tobacco, you cannot get a better one than this. Pkt., 10 cts.; oz., \$1.00.

**Perfume of Italy.**—Very sweet scented. A good pipe and cigar tobacco. Per pkt., 10 cts.; oz., \$1.00.

**General Grant.**—This variety ranks among the first in the manufacture of cigars. In addition to its other good characteristics, it is noted for its extreme earliness. Upon the market, it is very well known and popular, its products always being in demand. The size, shape and texture of its leaf help to make it an ideal cigar tobacco. Per pkt., 10 cts.; oz., \$1.00.

**Small Red Canadian.**—Fine flavored, small Canadian variety. Per pkt., 10 cts.; oz., \$1.00.

**White Burley.**—Makes the best chewing tobacco. Per pkt., 10 cts.; oz., \$1.00.

**Large Havana.**—A heavy cropper. An early cigar variety. Per pkt., 10 cts.; oz., \$1.00.

**Small Havana.**—Per pkt., 10 cts.; oz., \$1.00.

**Connecticut.**—The heaviest cropper. Per pkt., 10 cts.; oz., \$1.00.

**Blue Pryor.**—Per pkt., 10 cts.; oz., \$1.00.

**Yellow Oronoca.**—Per pkt., 10 cts.; oz., \$1.00.

**Persian Rose.**—Per pkt., 10 cts.; oz., \$1.00.

**TURNIP**

One ounce will sow about 150 feet of drill. Two pounds will sow one acre.

**Extra Early Milan.**—The earliest Turnip for market variety with white flesh. Skin white under ground and purple-red above. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.

**White Milan.**—The earliest white turnip. Same shape, size and equally as early as above, "white top." Pkt.; 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.

**Early Snowball.**—A medium-sized, round, pure white variety, of excellent flavor. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Early White Flat Dutch, Strap Leaved.**—Roots, medium sized, flat, white and sweet. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Golden Ball.**—The most delicate yellow-flesh turnip we know of. Not large, but firm, hardy, and of excellent flavor. As a table variety has no superior. Per pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Large Amber Globe.**—Flesh yellow; fine grained and sweet, colour of skin yellow, with green top. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.50.

Gentlemen:—I have been using your seeds for some years and have always found them to give better results than any other kind.  
(Signed) L. CARNELL,  
c/o S. B. Harris,  
Prospect St., St. John's, Nfld.  
Jan. 24, 1920

**NEW EVERBEARING STRAWBERRY**  
"Marvel of Bon Secours."

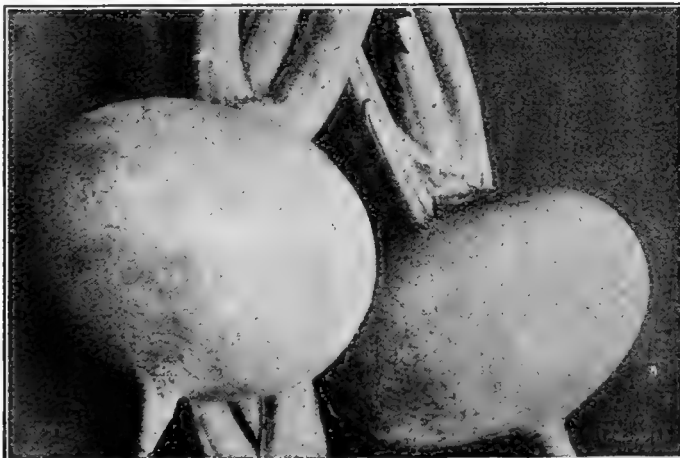
Fruit large, coxcomb shaped. Flesh juicy, perfumed, of a delicate flavour. Bears continuously from spring to autumn, but the fruit will be more abundant if part of the first flower stems produced are removed. Pkt., 25 cts.

**TARRAGON**

**USES.**—The tender shoots and the young leaves are often used in salads, and with steaks, chops, etc., especially by the French. They are often used as an ingredient in pickles. Stews, soups, croquettes and other meat preparations are also flavored with tarragon, and for flavoring fish sauces it is especially esteemed.

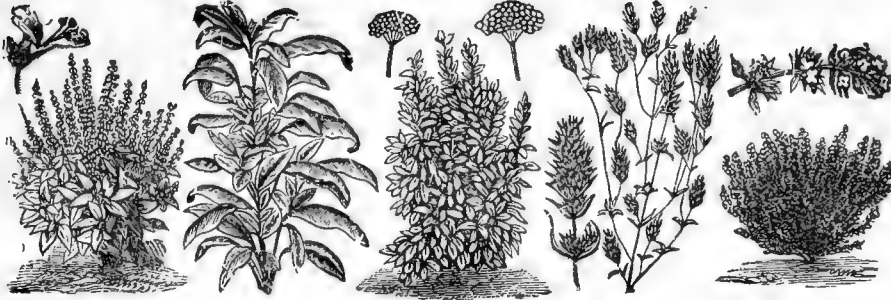
Probably the most popular way it is employed, however, is as a decoction in vinegar. For this purpose, the green parts are gathered preferably in the morning and after washing are placed in jars and covered with the best quality vinegar for a few days. The vinegar is then drawn off as needed. In France, the famous vinegar of Maille is made in this way.

The leaves may be dried in the usual way if desired. For this purpose they are gathered in midsummer. A second cutting may be made in September. Plants, 25 cts. each, \$2.50 per doz.



Early Snowball Turnip

# Sweet Pot and Medicinal Herbs



Basil

Sage

Marjoram

Savory

Thyme

**Anise.**—An annual plant of which the seeds are used for flavoring. Per pkt., 10 cts.; oz., 40 cts.

**Balm.**—The leaves are used as a condiment and for flavoring spirits. Per pkt., 10 cts.; oz., 50 cts.

**Basil, Sweet.**—Used for flavoring. Pkt., 10 cts.; oz., 50 cts.

**Borage.**—The flowers are used to ornament salads, and for Bee pasture. Per pkt., 10 cts.; oz., 90 cts.

**Caraway.**—The ripe seeds and sometimes the leaves are used for flavoring. Per pkt., 10 cts.; oz., 25 cts.

**Coriander.**—The seeds are used for flavoring and in the manufacture of confectionery and liquors. Per pkt., 10 cts.; oz., 25 cts.

**Dill.**—The seeds are used as a condiment and in the manufacture of pickles and sometimes of jams and preserves. Per pkt., 10 cts.; oz., 35 cts.

**Fennel.**—The clasping base of the leaves is used like celery, uncooked, and the seed is sometimes used as a seasoning. Per pkt., 10 cts.; oz., 50 cts.

**Forehound.**—This is used chiefly and exclusively as a cough remedy. Per pkt., 10 cts.; oz., 90 cts.

**Hyssop.**—The young tender leaves are used occasionally as a condiment and for seasoning. Per pkt., 10 cts.; oz., 80 cts.

**Lavender.**—Sometimes used in seasoning, but chiefly in perfumery. Per pkt., 10 cts.; oz., \$1.10.

**Pennyroyal.**—Used chiefly as an insecticide. Per pkt., 10 cts.

**Rampion.**—A biennial plant, both root and leaves are used in salads. Per pkt., 10 cts.

**Rosemary.**—Used for perfumery. Yields an aromatic oil. Per pkt., 10 cts.; oz., 80 cts.

**Sage.**—The leaves are extensively used in various culinary preparations. Per pkt., 10 cts.; oz., \$1.10.

**Saffron.**—Per pkt., 10 cts.; oz., 40 cts.

**Savory, Summer.**—Used only for seasoning. Per pkt., 10 cts.; oz., \$1.10.

**Savory, Winter.**—Used same as the above. Per pkt., 10 cts.; oz., \$1.25.

**Skirret.**—The roots of the plant, which is of the carrot family, are tender, sweet and slightly farinaceous. They are used like saffron. Per pkt., 10 cts.; oz., 40 cts.

**Sorrel Broad Leaved.**—Cultivated for its acidity, used in salads. Per pkt., 10 cts.; oz., 30 cts.

**Sweet Marjoram.**—Per pkt., 10 cts.; oz., \$1.10.

**Thyme, Summer.**—Both these plants are used for seasoning. Per pkt., 10 cts.; oz., \$1.10.

**Thyme, Winter.**—Large perennial. Per pkt., 10 cts.; oz., \$1.25.

**Wormwood.**—Used as a tonic and for flavoring. Per pkt., 10 cts.; oz., \$1.10.

**CULTURE.**—Herbs delight in a rich, mellow soil. Sow seeds early in spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distance, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly on a floor where they can dry quickly.

## WILD RICE

**WILD RICE (Zizania Aquatica).**—As an attraction for Wild Ducks, Wild Rice is unequalled. For this reason, it is in great demand for planting in small lakes, ponds and slow-moving streams by gun clubs and owners of duck preserves. In order to obtain best results, it is necessary that the Water be not entirely stagnant. It grows in water from 6 inches to five feet in depth and requires a mud bottom. Our shipping arrangements are such that, as soon as the seed is gathered, it is stored in water in cold storage where it remains until sent out on order. If allowed to dry, it would lose its germinative powers. Seed may be sown in Autumn or Early Spring. Plants may be set out in May or June. Full cultural directions accompany each shipment.

Prices.—Seed, 1-16 Bushel, \$2.50; 1-8 Bushel, \$4.00; 1-4 Bushel \$7.75; Bushel, \$30.00. Plants.—\$9.00 per crate of several hundred plants.

## VEGETABLE PLANTS AND ROOTS

**Asparagus Giant Early Argenteuil.**—3 years old; per 100 \$2.50.

**Asparagus (Other varieties).**—3 years old; per 100, \$2.00.

**Cabbage.**—In variety; per 100, \$1.25.

**Cauliflower.**—Per 100, \$2.00.

**Celery.**—Transplanted. Per 100, \$1.50.

**Cucumber.**—Per pot, 40 cts.

**Chives.**—20 cts. per clump.

**Hop Vine Roots.**—25 cts. each.

**Egg Plants.**—Per doz., 75 cts.

**Horse Radish Roots.**—Market price.

**Leeks.**—75 cts. per 100.

**Lettuce Plants.**—Best sorts, 75 cts. per 100.

**Montreal Nutmeg Melon.**—Per pot, 40 cts.

**Mint Plants.**—25 cts. each.

**Pepper Plants.**—50 cts. per doz.

**Rhubarb Roots.**—25 cts. each; per doz., \$2.50.

**Tomato.**—Large transplanted plants, 50 cts. per doz.; per 100, \$3.50.

**Tobacco Plants.**—Per 100, 75 cts.

## POISONED BAIT

Poisoned bait is useful against cutworms and slugs. Small portions of the bait should be placed around plants subject to attack by them. The pests feed at night and hide under chips or other objects during the day.

Poisoned bait may be made at home thus:

Wheat bran	1 pound
White arsenic, powdered	½ ounce
Cheap syrup	1 or 2 ounces
One lemon or orange, chopped fine.	Water to make a thick mash of the mixture.

The bran and the white arsenic should be mixed. Dilute the syrup with a little water and pour this over the bran and white arsenic; add the lemon or orange and stir well. Add enough water to make a thick mash.

# SELECTED FARM SEEDS

## MANGEL WURZEL

Six pounds of seed will sow one acre



**New Yellow Mangel "Best of All."**—A wonderful improvement on all existing stocks of Yellow Mangels, being the heaviest cropper and easiest pulled, besides being of the very finest possible quality. Shape between intermediate and tankard; beautiful pale yellow skin with fine top. Selected by the introducers and growers, for very many years, before being now offered. The largest and best of all yellow mangels. Distinct from all advertised kinds. Per  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 50 cts.; lb., 90 cts. (post paid,  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts.; lb., \$1.00).

**Danish Sludstrup.**—The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all mangels, having been awarded a first-class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent. of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**D. & F's. Improved Mammoth Long Red.**—Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed. Colour deep red, roots solid, tops small. Roots attain a large size. We received several reports last season of Mangels weighing 20 to 23 pounds each. Produces an immense bulk and tonnage. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**D. & F's. Golden Giant Intermediate.**—Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**Yellow Globe.**—Very productive, easily pulled. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**Golden Tankard.**—Very productive and sweet, flesh yellow, tops and necks very small. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**Red Globe.**—Similar to Yellow Globe, except in colour. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**Long Yellow.**— $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**Long White.**— $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**D. & F's. Giant Sugar Beet or Half Sugar White Mangel.**—This strain of beets is very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar. Roots light bronze, green above ground, grayish white below, with white flesh. On account of growing partly out of the ground and the long ovoid shape the crop can be harvested and stored easily and at less expense than any other root crop.  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**D. & F's. Sugar Beet or Half Sugar Rose Mangel.**—The skin is bright rose above ground and white below. Flesh white, sometimes tinged with rose. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts.; (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

## SUGAR BEETS

**FERGUSON'S DANISH IMPROVED SUGAR BEET.** It is a recognized fact that the Danes are past masters in dairy farming, and, thanks to the hearty encouragement given to well-known seed specialists by the Danish Government, the Sugar Beet industry has been given a decided and invigorating impetus resulting in a marked improvement in the quality of Sugar Beets suitable for the production of saccharine and for stock feeding. The Danish Improved is considered by many eminent authorities as the "Acme of Perfection" and laboratory tests show that it possesses a very superior percentage of

sugar, making this variety invaluable for stock feeding. The roots are of thick oval form tapering very gradually, pink in colour with white tip; a heavy cropper and at all points a most desirable variety to grow. Per  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

**KLEIN WANZLEBEN.**—The standard sugar factory beet and also very extensively used for feeding. It is said to be a great milk producer. Roots large, tapering, white, and mostly underground. A heavy yielder.  $\frac{1}{4}$  lb., 20 cts.;  $\frac{1}{2}$  lb., 35 cts.; lb., 65 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 40 cts.; lb., 75 cts.).

Complete Catalogues of "PLANET JR." and "IRON AGE" Farm and Garden Tools for 1921 mailed on application.



# SWEDE TURNIPS (Ruta Baga)

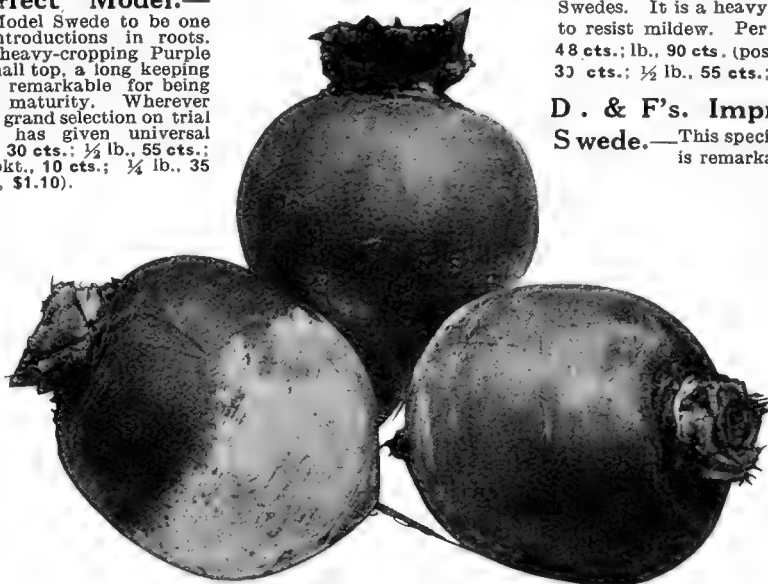
Sow in June in drills, two pounds to the acre.

**Ferguson's Perfection.**—We consider this new introduction. It is globular in shape, symmetrical in form, bronzy purple in colour, of splendid quality, a quick grower and exceptionally heavy cropper. In appearance, it is quite distinct from any other variety in cultivation—not only as regards root—but its short neck, small top and light-coloured foliage distinguish it from other varieties and help to make a field of "Perfection" the most attractive crop of Swedes on the farm.  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00 (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts.; lb., \$1.10).

**Ferguson's Perfect Model.**—We consider Perfect Model Swede to be one of the best recent introductions in roots. It is a selection of heavy-cropping Purple Top Swede, with a small top, a long keeping Swede, and it is also remarkable for being the first in coming to maturity. Wherever we have sent out this grand selection on trial to our customers, it has given universal satisfaction. Per  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00 (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts.; lb., \$1.10).

## D. & F's. Fa-

**vourite.**—This is a strain of Purple Top Swede, selected to a smaller top and much shorter neck than is usually found, while the roots grow to a large size and are of the finest quality, and excellent for table use and stock feeding. Per  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00 (post paid,  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts.; lb., \$1.10).



Ne Plus Ultra Swede

**Ne Plus Ultra.**—A bronze-top Swede of recent introduction. The handsome globe-shaped roots are uniform in shape and size; flesh, yellow, solid and fine grained. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts. lb., 90 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00).

**New Universal Purple Top.**—In form and growth it resembles the Westbury Swede. It is one of the very best shipping varieties on the market, while for cooking it excels all the ordinary Swedes. It is a heavy cropper, and the best to resist mildew. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts. (post paid, pkt., 10c.;  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00)

## D. & F's. Improved Westbury Swede.

—This special strain of Ruta Baga is remarkable for uniform shape and fine quality, and is also a splendid keeper. They grow to a large size; skin is smooth, and flesh a beautiful yellow colour and fine-grained. The flavor is good, being very sweet and tender. The best for market or home. Pkt., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00).

**Elephant or Monarch.**—It produces large oval-shaped roots, with small short neck, and relatively small tops, flesh of rich yellow; fine grained and of the finest quality. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts. (post paid, pkt., 10 cts.;  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00).

**Kangaroo.**—A very hardy Swede, similar in size and growth to the Elephant; colour a bronze green, possessing the heavy cropping features with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed, and is consequently cold and backward. Extensively grown in the lower provinces of Canada on account of its great hardiness and good keeping qualities. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts. (post paid,  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 55 cts.; lb., \$1.00).

## Well-Known Standard Varieties

	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	$\frac{3}{4}$ lb.	$\frac{1}{2}$ lb.	(post paid)
	lb.	lb.	lb.	lb.	lb.
Bangholm Purple Top...	25c.	48c.	90c.	30c.	55c. \$1.00
Sutton's Champion Purple Top.....	25c.	48c.	90c.	30c.	55c. 1.00
Mammoth Clyde Purple Top.....	25c.	48c.	90c.	30c.	55c. 1.00
Drummond's Purple Top	25c.	48c.	90c.	30c.	55c. 1.00
Laing's Improved Purple Top.....	25c.	48c.	90c.	30c.	55c. 1.00
Shamrock Purple Top..	25c.	48c.	90c.	30c.	55c. 1.00
Skirving's Improved....	25c.	48c.	90c.	30c.	55c. 1.00
Green Top.....	25c.	48c.	90c.	30c.	55c. 1.00

## YELLOW FLESHED TURNIP

May be sown from the first week in July to middle of August, either after it is considered too late for Swedes, or on land of not sufficiently good quality to produce Swedes, or when there is an absence of a supply of manure

**Purple Top Yellow Aberdeen.**—Similar in quality to Green Top. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 45 cts.; lb., 80 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts.).

**Green Top Yellow Aberdeen.**—A hardy and excellent variety. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 45 cts.; lb., 80 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts.).

## WHITE FLESHED TURNIPS

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

**White Globe.**—Grows very large, is early and of fine quality. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 45 cts.; lb., 80 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts.).

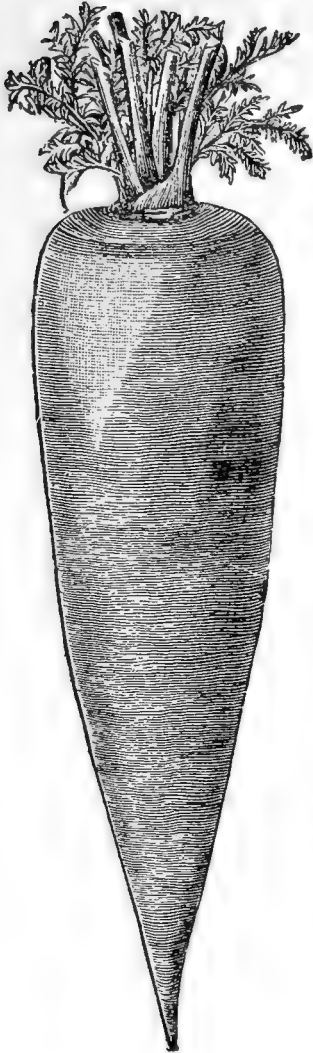
**Grey Stone.**—Grows to an immense size, is early, hardy and of excellent quality. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 45 cts.; lb., 80 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts.).

**Large White Flat Norfolk.**—Roots large, globe-shaped, slightly flattened and very white. A splendid variety for feeding stock. Per  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 45 cts.; lb., 80 cts. (post paid,  $\frac{1}{4}$  lb., 25 cts.;  $\frac{1}{2}$  lb., 48 cts.; lb., 90 cts.).

Complete Catalogue of "SPRAMOTOR SPRAYING MACHINES" for the asking.

# FIELD CARROT

When ordered to be sent by mail, add 5c. per  $\frac{1}{4}$  lb., 8c. per  $\frac{1}{2}$  lb., 12c. per lb., and 8c. for each additional lb.



## D. & F's. Improved Intermediate White Carrot—Emphatically the Carrot for Stock.

One of the very best field carrots because of its enormous productiveness and the ease with which it can be harvested. Roots about fourteen inches in length, smooth, very heavy at the shoulder but tapering regularly to the point; colour creamy white with light green crown. Flesh white, solid, crisp and of excellent quality for stock feeding. Per  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts. lb., \$1.00. **Large White Vosges.**—The root is large and very thick at the shoulder; much shorter than the White Belgian and thus more easily harvested; skin and flesh pure white; a wonderful cropper and of excellent feeding quality. Per  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts. lb., \$1.00. **White Belgian (Improved).**—A well-known variety, of fine quality; most profitable for field culture. Per  $\frac{1}{4}$  lb., 30 cts.;  $\frac{1}{2}$  lb., 50 cts. lb., 80 cts. **Giant Green Top White.**—An improved white Belgian. Per  $\frac{1}{4}$  lb., 35 cts.;  $\frac{1}{2}$  lb., 60 cts. lb., \$1.00.

**Danvers' Half Long Stump.**—The heaviest cropping red carrot. Per oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts., lb., \$2.20.

**PLEASE NOTE—Prices on seeds below are subject to Market fluctuations.**

**Sunflower, Mammoth Russian.**—Highly valued as an excellent and cheap food for fowls. It is the best egg-producing food known. It can be raised cheaper than corn. Four pounds of seed will plant an acre. Lb., 20 cts.; 10 lbs., \$1.60 (post paid, lb., 30 cts.)

**Horse Beans.**—The beans are either boiled and fed to horses or ground into meal for cattle, and no grain will produce more beef or milk, while the straw is as good as Timothy hay for horses. Sow in drills—30 inches apart—1 $\frac{1}{2}$  bushels per acre, in well-manured clay land or heavy loam, as possible. Market price.

**White Kaffir Corn.**—Makes nutritious food for stock and poultry. Kaffir Corn in the last few years has been generally sown with the Cow Peas, broadcast at the rate of a peck of Kaffir Corn to a bushel of Cow Peas per acre. The Kaffir Corn helps to hold the Cow Peas up off the ground, thus causes a larger growth of Cow Peas, and both can be cut together, making an enormous yielding crop of most nutritious food. For a forage crop when sown by itself, Kaffir Corn should be sown broadcast at the rate of from  $\frac{3}{4}$  to 1 bushel per acre. When sown for a forage crop, either by itself or with Cow Peas, the crop should be cut before it is headed out. Market price.

**Soja or Soy beans.**—This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. Sow at the rate of 2 $\frac{1}{2}$  bushels per acre and in drill 30 inches apart. Market price.

**Early Amber Sorghum.**—Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield 2 or 3 cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 1 to 1 $\frac{1}{4}$  bushels per acre. When sown in drills sow at the rate of 1 peck per acre in drills 3 $\frac{1}{2}$  to 4 feet apart. Market price.

## DWARF ESSEX RAPE

Essex rape makes the best of pasturage for cattle calves sheep and swine.

Make the soil very fine, and sow 4 to 5 pounds of seed broadcast and harrow well in; of from 1 to 2 pounds in drills 24 to 30 inches apart. When in drills keep clean at early stages by cultivation. There is danger of bloat in cattle and sheep if turned in on crops when hungry to eat their fill. Per lb., 25 cts.; in lots of 10 lbs., \$2.20 (post paid, lb., 35 cts.)



## VETCHES

**Sand, Winter or Halry (Vicia villosa).**—A very hardy forage plant growing well on soils so poor and sandy that they will produce but little clover. Its nitrogen-gathering properties make it particularly valuable as a soil renewer and enricher, but it is not recommended for land which is to be cultivated for grain crops on account of its tendency to volunteer and persist. The plants, when matured, are about forty inches high and if cut for forage as soon as full grown and before setting seed, they will start up again and furnish even a larger crop than the first. Seed round, black and should be sown one to one and one-half bushels per acre. Lb., 35 cts. (post paid, lb., 45 cts.). **Common Vetches or Black Tares.**—A perennial pea-like plant grown as an annual. Desirable as a foliage plant and valuable as a cover-crop for orchards. Culture same as for field peas. Sow two bushels per acre. Market price.

## COMPLETE CATALOGUE OF SPRAMOTOR SPRAYING MACHINES FOR THE ASKING

### MILLET

**Japanese Barnyard.**—This is the best of all the millets, growing fodder of finest quality. For feeding green, it may be cut from day to day as needed until the seed begins to ripen. During this period it is much relished by stock, cattle especially consume it without waste before touching green fodder corn, and cows fed on it invariably increase in milk. Sow 15 lbs. of seed per acre if broad-casted, or if in drills, 12 to 18 inches apart, use 10 to 12 lbs. per acre. Market price.

**Common Millet.**—Very early; height, two to three feet. Market price.

**German or Golden Millet.**—Medium early; height from three to five feet; heads closely condensed; spikes very numerous, seeds round, golden yellow, in rough, bristly sheaths. Market price.

**Hungarian Grass Millet.**—Early; height two to three feet; abundant foliage and slender head; withstands drought and yields well on light soils. Market price.

Write us for prices where not given

# MARQUIS WHEAT

THE WORLD'S CHAMPIONSHIP WHEAT

EXTREMELY EARLY

WONDERFUL YIELDER

GOOD QUALITY

This wonderful new variety was originated at the Central Experimental Farm, and has since made a name for itself not only in Canada, but in the Dakotas and Minnesota, where it sprung into almost instantaneous favour. It is a good week or ten days earlier than ordinary Red Fife; has a shorter, stiffer straw; resists rust better, and gives 10% to 50% bigger yield per acre of rich, red grain. It won the \$1,000 prize at the New York Land Show, open to the world in 1911. It won the \$3,000 prize at the International Dry Farming Congress, Lethbridge, Alberta, October, 1912. It also took the sweep-stakes at the Dry Farming Congress, Tulsa, Oklahoma, 1913, and won in again 1914. Good, plump seed germinating 98 per cent. Samples submitted on application. Market price.

**Selected Manitoba Red Fife Wheat.**—A great favorite and heavy yielder. Market price.

**Selected Manitoba White Fife.**—A very productive, splendid milling variety. Market price.

**White Russian.**—An excellent all-round variety. Market price.

**Colorado Red Bearded.**—Very productive, bearded head, with white chaff, straw stiff, grain hard and flinty, midge proof. Market price.

## FALL WHEAT

**Red Clawson.**—We have an excellent stock of this fine, old wheat. Continues to give splendid satisfaction every year. Market price.

**Garfield.**—Fine variety. Market price.

## BARLEY

**O. A. C. 21.**—This fine strain O.A.C.21, originated and lately introduced by Prof. Zavitz, of the Ontario Agricultural College. It is a selection from Mandscheuri. Prof. Zavitz says of this barley's showing in co-operative experiments throughout Ontario for four years: "It surpassed Mandscheuri in yield of grain per acre, in freedom from rust and in both length and strength of straw. Most prominent variety in competitions in standing fields Seed Grain throughout Ontario. Captured practically all the prizes for six-rowed barley at largest competitions. Is the best variety now being grown on the farms of Ontario."

At the Brandon Experimental Farm O. A. C. 21 ripened in 98 days and headed the list for yield per acre with 87 bushels and 24 pounds. Its average for five years, in which it also leads, was 68 bushels and 26 pounds per acre. The wide-awake farmer will get a start in this new variety this spring, if he is not already growing it.

Per bushel, market price.

**Mensury Barley (six-rowed):** This popular standard, early-ripening, heavy-yielding variety needs no description. It has repeatedly proved its reliability, both in the Experimental Farms and under ordinary farm conditions. Bushel, market price.

**Duckbill two-rowed.**—A variety of merit, succeeding well on most soils. Market price.

**Black Hullless or Beardless Barley.**—This is the earliest ripening Barley grown and is a great crop for catching weeds, while it also gives a big yield of splendid grain; extensively used for feeding hogs, cattle and poultry, making better pork than corn, the straw making good hay. It has no hull, and as beards are also absent it is pleasant and easy to handle. It is no use for malting. It should be sown a week earlier than ordinary barley and at the rate of 1½ bushels per acre (60 pounds per bushel). Per bush., market price.

**White Hullless.**—Per bushel, market price.

## BUCKWHEAT

**Japanese.**—The yield of this variety is largely in excess of the old sorts. The straw is heavier and more branching, kernels twice the size of the old kinds, and it ripens a week earlier. The flour from this variety is superior to that obtained from any other sort, except Silver Hull. Bush., market price.

**Silver Hull.**—The best for flouring purposes. Kernels smaller than Japanese, silvery gray in colour. Per bush., market price.

**Common Gray.**—Market price.

**RYE.**—**Spring.**—An excellent catch crop for fodder or grain. Bush., market price.

**Fall.**—The variety commonly cultivated for grain, straw, green fodder. Bush., market price.

**Rosen Rye. White Rye.**—Originated and introduced by the Michigan Agricultural College, and a much heavier yielder and better in every way. Market price.

**Primost Flax.**—A pure bred variety from the Minn. Ex. Station, very much superior to common when grown for seed; sow 1 bushel per acre; if fibre is wanted, sow at the rate of 2 to 3 bushels. The soil should be well cultivated. Market Price.

**Common Flax.**—Market Price.

## FIELD PEAS

**Arthur Pea.**—Originated by Dr. A. P. Saunders, of Central Experimental Farm, Ottawa. The peas are of medium, or above medium size, round and yellowish in colour. It is early in ripening, appearing in fact to be the earliest yellow field pea available to the public at the present time. Vines about four feet, and is one of the heaviest yielding sorts. For cooking in soup the Arthur pea is very good. Market price.

**Golden Vine.**—The favorite variety, early, good straw and a splendid yielder. Bush., market price.

**Canadian Beauty.**—A variety of White Marrow, which in most sections has given splendid results. The seed is large and of bright color, straw strong. An enormous yielder, and one of the most profitable sorts grown. Bush., market price.

**White Marrowfat.**—Prolific, with large pods filled with large peas. Bush., market price.

**Black Eyed Marrowfat.**—Equal to the white variety. Bush., market price.

**PEAS, COW.**—Each year we find that the demand for Cow Peas increases, as the farmers find that there is great value as a soil enricher also when cut green. It makes excellent hay when cut and cured the same as Clover, then the stubble with the new growth may be turned under as fertilizer. If Kaffir Corn is sown with the Cow Peas, it holds the vines off the ground, causing a better growth. The plant is a legume, and through the agency of nitrogen produces bacteria on its roots, adding to the growth and full plants.

**Whip-Poor-Will.**—Light brown, speckled dark brown. Market Price.

MARKET CONDITIONS make it impossible to give firm prices on CLOVERS, GRASSES AND SEED GRAIN at the time this Catalog goes to press in December. Send for our SPECIAL PRICE LIST.



# REGENERATED STRAINS of OATS

Specially Bred Stock. Grown on New, Clean Land. Big, Strong Seed.

## THE NEW LEADER OATS

The Only Five Grained Oat Ever Offered in Canada. Has Yielded as High as 140 Bushels per Acre. The Head Tells Why.

Note the number of grains in each spikelet on the head as shown in the illustration and drawn from a crop of a hundred acres. Those at the top run five grains in a spikelet; others nearer the main stem four grains; others, three grains, and there are no spikelets that have less than two grains. Ordinary oats run 35 to 40 grains on a head; good standard varieties 50 to 65 grains, while this new breed runs from 60 to over 200.

We have, therefore, no hesitation in claiming that, under normal conditions of cultivation, it will give a greater yield than any other cereal at present in cultivation. It possesses a remarkable adaptability to the various stages of fertility found in different soils, and instead of producing, like most other varieties on very rich soils a rank growth of foliage at the expense of grain production, this new breed develops an ear possessing up to four or five grains in a spikelet throughout the ear. Owing to this valuable property, some phenomenal yields have been produced. Price on application.

## NEW GOLD RAIN OAT

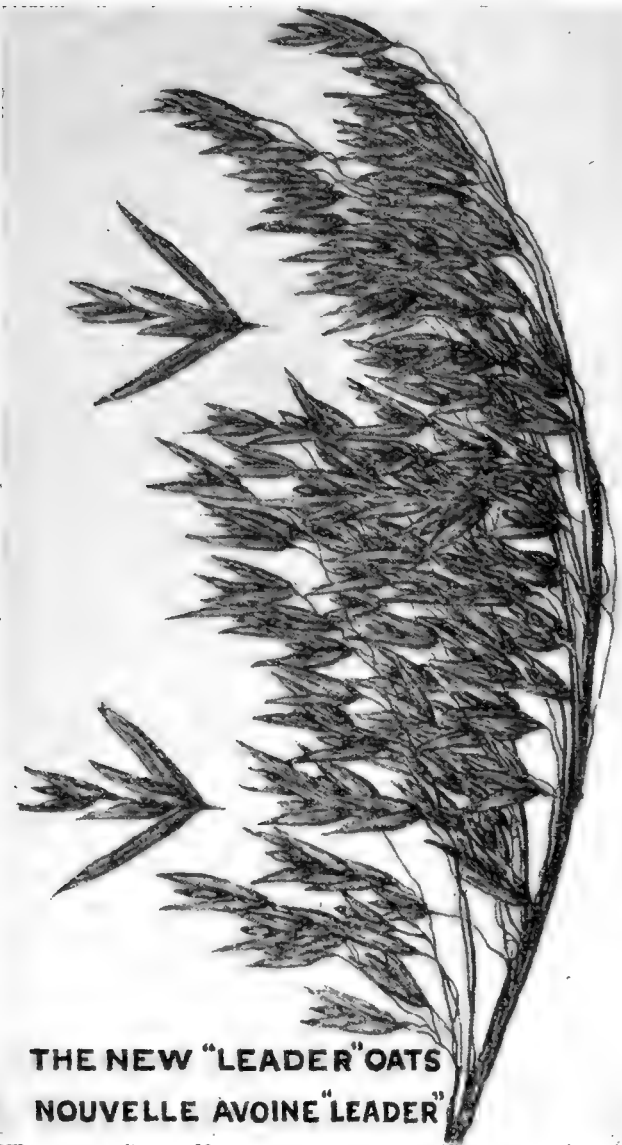
The Steel Strawed Oat. Enormous Yields. Beautiful Quality Grain. Extremely Early.

The latest pedigree or "elite" strain of this new breed of Oats was introduced into Canada four seasons ago, and has exceeded our most enthusiastic expectations. It is rapidly proving itself a leader. It is an early Oat, and yet an enormous yielder—a hard combination to get. It has a fine straw; the sort plant breeders have been trying for years to get. It's fine, but strong. It gives in a big rain or wind storm, but it comes back. It has been called the steel strawed oat. It does not break off at the base like the coarser strawed oats, which so frequently do this when down and never come back.

The grains are yellow in colour, without awns, fairly long, carrying their width evenly all the way through. They weigh heavier to the bushel, generally, than any other oat ordinarily grown. Shipments of this oat last season weighed 48½ lbs. per measured bushel. Market price.

## THE SEGER OAT one of the Best Oats on the Market.

What Marquis Wheat was to Western Canada, the Seger Oat is to the oat-growing world. A truly wonderful introduction—the production of twenty-five years' unremitting toil by Prof. Nilsson, Svalof, Sweden, one of the world's greatest Farm Plant Breeders. Mr. Newman, Secretary of Canadian Seed Growers' Association.



THE NEW "LEADER" OATS  
NOUVELLE AVOINE "LEADER"

tion, who spent the best part of a year with Prof. Nilsson, says in part in describing this oat that "it is the leading oat yet produced at Svalof,"... and continuing, "It is a stiff-strawed sort, of medium height with stiff, upright, but rather short panicle, giving little indication of its high-yielding capacity."

The grain is white, sometimes of a slightly reddish shade, fairly large, somewhat short and thick, with few beards or awns. It is not quite as early as Gold Rain, which is an extremely early variety, but it ripens in good time. Market price.

**Regenerated Banner Oat.**—New breeds of oats come and go, but the Banner Oat goes on forever. It seems to suit Regenerated Stock earlier than the ordinary, common, unimproved Banner, which we find it also excels in strength of straw, yield and quality of grain.

This is carefully grown stock seed. Clear as a whistle. Government Germination Test shows 95 per cent. germination. market price.

**Banner Oat.**—Ordinary stock. Market price.

**Regenerated Abundance Oat.**—This sort enjoys a high reputation in many parts of Canada, especially in those districts where a relatively early variety is desired. The grain is of fine quality, being large and plump with a relatively thin hull. The panicle is comparatively large and rich, pyramid-like in contour, with upright, spreading branches. The spikelets are inclined to be three-kernelled, and rather broad. This sort usually ripens from 4 to 6 days before Banner, hence its popularity in certain districts as above mentioned. The straw is of a good length and strength and of fair quality. Market price.

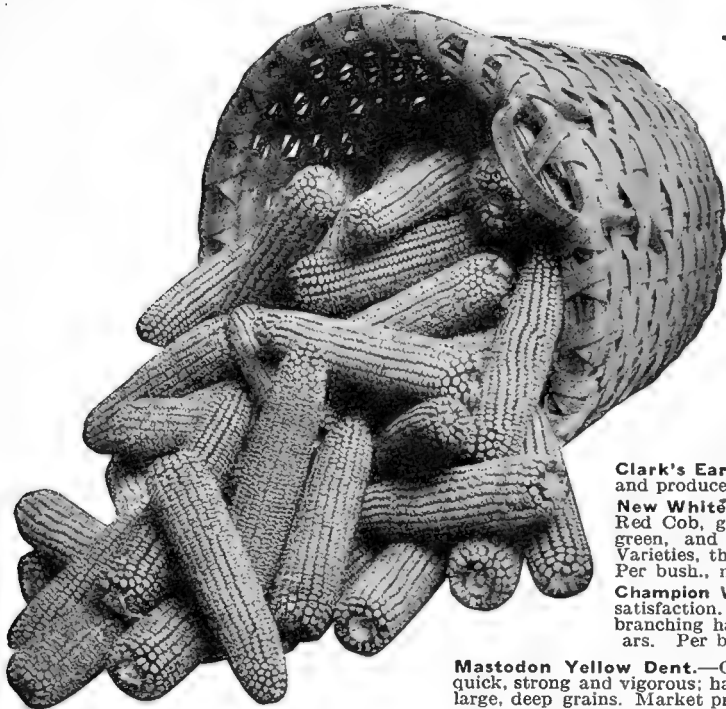
**Abundance Oat.**—Ordinary stock. Market price.

**Regenerated White "Ligowo" Oat.**—The improved "Ligowo" is a large, white, plump variety, with a branching head and stiff straw, a vigorous grower, very prolific and early; not inclined to rust or smut. At all the Experimental Farms throughout the Dominion it has given splendid results.

**Black Tartarian and New Black Goannette.**—Market price.

Owing to MARKET CONDITIONS it is impossible to give firm prices on CLOVERS, GRASSES AND SEED GRAIN at the time this Catalog goes to press in December. If interested send for our SPECIAL PRICE LIST.

# CORN FOR ENSILAGE



Barley Corn

PLEASE NOTE:—Prices on seeds below are subject to market fluctuations.

Our Seed Corn is Canadian-grown and is thoroughly acclimated to northern conditions, and will give the largest amount of well-matured corn to the acre that it is possible to obtain.

It is hand-picked, selected from crib when being shelled, thoroughly re-screened, removing the smaller "Tip" and larger "Butt" kernels, which insures uniformity in the size of grains and makes an even stand possible.

## DENT VARIETIES

**Wisconsin No. 7.**—This variety is a white dent, and it originated on the experimental farm at Madison, Wis., and first grown in Canada by Essex Farm, Walkerville, Ontario. Has been grown in Essex County for six years and has given wonderful returns. Larger than Leaming and as early. Grown from thoroughbred seed. Per bush., market price.

**Improved Early Leaming.**—A very early tall growing variety, produces well on light or heavy soils. Pedigree seed. Per bush., market price.

**Clark's Early Mastodon.**—This is the largest eared early corn and produces a heavy crop. Per bush., market price.

**New White Cap Yellow.**—Matures three weeks earlier than Red Cob, grows heavy stalks, the lower leaves keeping long green, and while the ears are as long as any of the Dent Varieties, they are numerous and much fuller at the points. Per bush., market price.

**Champion White Pearl.**—This variety has given very great satisfaction. It is a medium early White Dent Variety, of branching habit and profuse foliage and produces large sized ears. Per bush., market price.

**Mastodon Yellow Dent.**—One of the heaviest producing varieties. Grows quick, strong and vigorous; has broad heavy leaves and large ears, with very large, deep grains. Market price.

**Selected Red Cob.**—Per bush., market price.

## FLINT VARIETIES

**Early Northern**—(Quebec grown).—The earliest white flint corn in existence. Early Northern can be grown and ripened where early frost is expected, or where the season is short. It is of medium size, white dent with deep, oily grains; large cob, very solid and well filled. It produces strong, vigorous stalks, medium height. It permits of close planting and will outyield any variety of flint corn. It fills a long felt want of all farmers. Per bush., market price.

**King Philip.**—An early Red Flint, valuable for the North. A sure cropper on poor land; early 8-rowed and from 9 to 12 inches long. One of the best and most reliable sorts. Bush., market price.

**Canada Yellow Flint.**—A standard variety. Bush, market price.

**Early Compton.**—One of the earliest varieties of Yellow Flint Corn. 8 feet. Per bush., market price.

**Early Longfellow.**—Another early variety of Yellow Flint Corn; generally considered to be one of the best of the very early varieties, either for ensilage or ripe corn. 8 feet. Per bush, market price.

**Salzer's North Dakota.**—A heavy cropper, has large ears and is sure to ripen sufficiently for silo. Per bush., market price.

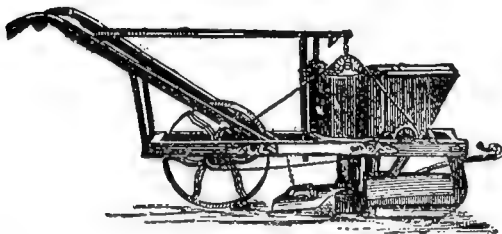
## SUGAR CORN

**Evergreen.**—Is a heavy cropper and is undoubtedly more nutritious than other sorts. 9 1/2 feet. Market price.

## Queen Corn Planter and Fertilizer Distributor Combined

Plants Corn, Beans, Peas, Beet or Mangel seed in hills and drills; it will drop 6, 12, 24 or 36 inches, or drop 7, 15, 30 or 45 inches, and will distribute from 50 to 450 lbs., as desired, of commercial fertilizer, wet or dry. Price, complete, \$30.00. Price without Fertilizer Distributor, \$23.00.

This Planter has been used on all kinds of soil and under all circumstances; every improvement has been made to make this the most perfect and reliable Planter in the market.



On account of the fluctuation in the market value of Corn, it is impossible for us to quote a quantity price which would hold good throughout the season. [Write us for] prices where not given.

# D & F's High Grade Clover Seeds



A field of Alfalfa, fourth year—three cuttings a year.

## ALFALFA or LUCERNE

**Alfalfa, The Supreme Leader of all Plants, for Hay and Pasture.**

No crop ever grown has had such a conspicuous place in increasing the profit from agriculture as Alfalfa. During long protracted droughts it will flourish and yield abundantly when all other vegetation dies. Its long fibrous roots working their way far down into the soil liberate, after the hay is cut, an immense volume of plant foods to be drawn on for years to come by future crops. It can be cut 3 to 5 times a year and produces from 5 to 6 tons of hay per acre. As a feed for cattle, swine, poultry or stock of any kind, owing to its large percentage of protein, it is unsurpassed. It grows best in a sandy, rich loam underlaid by a loose permeable subsoil. It should not be understood, however, that it requires, necessarily, sandy soil for growing Alfalfa, for this can be raised on most any kind of soil, even on stiff clay land. The prime condition for its success is that the land be naturally well drained. The subsoil should not be very heavy and stiff, and impervious to water but loose enough to drain off all superfluous moisture. Ask for Price List.

**ALFALFA, GRIMM'S.**—This desirable strain of Alfalfa is now being extensively grown in the west where it originated. After extensive trials at various experiment stations it has been found to be hardier and more productive for the extreme north than any other known variety. Ask for Price List.

**White Blossom or Bokhara Clover (Melilotus Alba).**—Resembles Alfalfa both as to appearance and habit of growth when young. It will thrive on most soils, either poor clay or sandy, but it prefers a limestone soil. Sweet Clover, like the other varieties, will respond to inoculation with excellent results. It will succeed best if planted alone, and should be sown either in the Spring or Fall. It is the most vigorous soil enricher of all the Clovers, and will grow on soils that will not support an ordinary farm crop, also provides an excellent green food in the early spring months and during periods of prolonged drought. Makes one of the very best foods for honey bees. Quantity usually sown to the acre, 30 lbs. To eradicate Sweet Clover, mow it when in full bloom, that it may not re-seed itself. Ask for Price List.

**Medium Red Clover.**—**Ferguson's Royal Brand.**—Well and favorably known everywhere. Specially valuable for dairy cow on account of high percentage of nitrogenous elements. Ask for Price List.

**Mammoth Red Clover.**—**Ferguson's Royal Brand.**—Grows larger and lasts longer than the common Red Clover. Ask for Price List.

**Alsike Clover.**—**Ferguson's Royal Brand.**—Perfectly hardy, and one of the best clover for cow pasturage, or for making hay. Lasts for many years, on both wet and dry soils. Ask for Price List.

**Crimson Clover.**—**Ferguson's Royal Brand.**—A well-known and favorite winter clover crop and soil enricher, affording excellent early forage. Valuable for soiling purposes, for pasture or hay. Ask for Price List.

**White Clover.**—**Ferguson's Royal Brand.**—It should find a place in all grass mixtures, whether for lawn, meadow or permanent pasture. It is perfectly hardy. Sow 3 lbs. per acre with other grasses; 6 lbs. alone. Ask for Price List.

**TIMOTHY.**—**Ferguson's Royal Brand.**—The most valuable of all the grasses for hay in Canada. Thrives best on moist loam and clay soils. It should be cut just when the blossom falls. Sow early in the Spring or Fall, at the rate of twelve pounds per acre, if alone, but less if mixed with other grasses. Ask for Price List.

On account of the fluctuation in the market value of all Grass seeds, it is impossible for us to quote a price which would hold good throughout the season. Write us for prices.

## Grass Mixture

FOR

### Permanent Pasture

Land which is not required in the regular rotation of the farm can be seeded with a permanent mixture to excellent advantage. In ordering, state whether for high lands or low lands. Full seeding, 24 lbs. to the acre.

Price on application.

This pasture mixture can be sown in the early spring, either with or without a grain crop. If a nurse crop is used, about one bushel of barley or of wheat per acre is recommended. As a rule, oats do not form a good nurse crop for a permanent pasture mixture. This pasture mixture, when once well established, will produce a good pasture, appetizing to the animals, excellent in quality, abundant in growth, and permanent in character.



# AGRICULTURAL GRASSES

**Orchard.** (*Dactylis glomerata*).—This is one of the most desirable pasturage grasses for stock and also for producing large crops of hay. It succeeds well in quite shady places, hence the name of "Orchard Grass." Choicest re-cleaned seed, 14 lbs. to the bushel; 3 bushels to the acre. Per lb. 35 cts. (by mail, 45 cts.). **Superfine** (selected stock).—Per lb., 45 cts. (by mail, 50 cts.).

**Fancy Cleaned Kentucky Blue Grass** (*Poa Pratensis*).—This is pre-eminently a pasture grass forming a fine close sward. It thrives best in dry well-drained or limestone soils. 2½ bushels to the acre. Per lb. 50 cts. (by mail, 60 cts.). **Extra Choice.**—Weighing 30 lbs. to the bushel. Per lb. 55 cts. (by mail, 65 cts.).

**Canadian Blue Grass.** (*Poa Compressa*).—One of the best grasses for lawns. Per lb. 30 cts. (by mail, 35 cts.).

**Red Top.** (*Agrostis Vulgaris*).—A valuable native permanent grass, growing in almost any soil, wet or dry. Sow two bushels to the acre. Per lb. 30 cts. (by mail, 40 cts.). **Extra Choice.**—Per lb., 35 cts. (by mail, 45 cts.).

**English Rye Grass.** (*Lolium Parnense*).—One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow 3 bushels to the acre; weight per bushel, 22 lbs. Per lb., 20 cts. (by mail, 25 cts.).

**Westerwold Italian Rye Grass.** (*Lolium Italicum Westerwoldicum*).—An extremely rapid growing new annual for spring and summer sowing. As a forage and pasture grass it thrives on almost any soil, but does best on heavy loam, clay or land of a somewhat damp character. It is lighter in color and coarser in leaf than Perennial Rye, but is very much stronger growing. After cutting it is the quickest grass to start again, making a new growth more rapidly than any other sort with which we are acquainted. Very desirable for planting under trees. Lb., 20 cts. (by mail, 25 cts.).

**Crested Dogstail.** (*Cynosurus cristatus*).—A valuable addition to lawn grasses which require close cutting and an ability to resist tramping, as in golf links, etc. About 21 lbs. to the bushel; two bushels to the acre. Per lb., 70 cts. (by mail, 80 cts.).

**Festuca Heterophylla.** (*Various-leaved Fescue*).—A very early, hardy perennial, 2 to 3 feet high, thriving best in cold, moist soils that are rich in humus and potash. In such soils it yields heavily, and is valuable in grass mixtures for permanent meadows either for mowing or grazing. Its great production of root-leaves makes it an excellent bottom grass. Its nutritive value is said to be very high. It grows very well in the shade, and is highly recommended for shaded lawns in mixture with other grasses. Price on application.

**Hard Fescue.** (*Festuca duriuscula*).—An excellent pasturage or lawn grass, succeeding well in dry or shady locations. About 12 lbs. to the bushel; 2½ bushels to the acre. Per lb., 50 cts. (by mail, 60 cts.).

**Sheep Fescue.** (*Festuca Ovina*).—Slender blades growing in close compact clumps and from six to ten inches in height. About 12 lbs. to the bushel; 2½ bushels to the acre. Per lb., 50 cts. (by mail, 60 cts.).

**Meadow Fescue.** (*Festuca pratensis*).—An excellent pasture grass, the tender blades being relished by cattle. About 22 lbs. to the bushel; 2 bushels to the acre. Per lb., 50 cts. (by mail, 60 cts.).

**Creeping Bent.** (*Agrostis stolonifera*).—A very hardy grass, especially adapted to moist lands and those which are occasionally overflowed. Its peculiar habit of branching underneath the surface enables it to resist to the greatest extent tramping and pasturage. About 20 lbs. to the bushel, 2 bushels to the acre. Per lb., \$1.00 (by mail, \$1.10).

**Tall Meadow Oat.** (*Avena elatior*).—A very valuable pasture grass on account of its early and luxuriant growth. It is especially adapted for rather dry light soils. About 10 lbs. to the bushel; 4 to 5 bushels to the acre. Per lb., 50 cts. (by mail, 60 cts.).

**Hungarian Brome or Awnless Brome.** (*Bromus inermis*).—Makes quick strong growth providing splendid pasturage or hay. It sprouts out into fresh growth very quickly after being mown and we think it is the ideal grass for hot dry regions and thin soils. 14 lbs. to the bushel; about 35 to 40 lbs. to the acre. Per lb., 40 cts. (by mail, 50 cts.).

**Wood Meadow.** (*Poa nemoralis*).—An excellent pasture or lawn grass, desirable for planting under trees on the lawn or in damp shady corners, 14 lbs. to the bushel; 2 bushels to the acre. Per lb., 80 cts. (by mail, 90 cts.).

**Meadow Foxtail.** (*Alopecurus pratensis*).—Closely resembles Timothy in growth, but has a soft feathery head. It is a valuable pasture grass by reason of its rapid growth. About 7 lbs. to the bushel; 3 bushels to the acre. Per lb., 50 cts. (by mail, 60 cts.).

**Red or Creeping Fescue** (*Festuca rubra*).—A creeping rooted grass, resisting extreme drought, and especially adapted for forming a close and lasting turf in shady places. Valuable also for exposed hillsides and golf courses. Sow thirty pounds per acre. Lb., 60 cts. (by mail, 70 cts.).

**Rhode Island Bent.** (*Agrostis canina*).—An excellent lawn grass; mostly used in combination with other fine bladed sorts. Price on application.

**Sudan Grass.**—A new forage plant closely related to the cultivated sorghums; of value particularly in the dry Middle West sections as to drought resisting hay crop. In the Eastern and Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Two cuttings can be obtained under favorable conditions, and growers report two big crops last season. The yields vary from 1 to 8 tons of cured hay per acre. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Sow Sudan Grass after soil has become warm, about corn-planting time. It may be drilled from one-half to one inch deep. When broadcast, sow 16 to 24 lbs. per acre; in rows, 6 lbs. per acre. Seed of high germination and free of weed seeds. Price: lb., 30 cts. (by mail, 40 cts.).

**Quack Grass.**—A smooth green hardy grass. Roots are established, it lasts indefinitely, and when once established, it lasts indefinitely. Useful for binding banks or terraces subject to wash or overflow. Lb., \$1.25. (by mail, \$1.35.)

FOR LARGER LOTS INQUIRE FOR PRICES





Two Splendid Borders of Hardy Perennials.

# FLOWER SEEDS

## PRACTICAL DIRECTIONS for CULTURE, TREATMENT, ETC

### ANNUALS

Strictly speaking, "annuals" are plants which live but for one season. For general purposes, however, many other plants usually grown from seeds sown each year are placed under the same heading, being classed as hardy, half-hardy and tender annuals. While annuals are valuable to all who have outside planting to do, to the amateur gardener they are absolutely indispensable. Being almost endless in variety, moderate in price, and easily grown from seeds, they will, if a judicious selection is made, give a gorgeous display of flowers in the garden, from early summer till late in the fall.

The usual season for sowing Annuals is from 1st of March to the first week of June. On account of the shortness of the season, it is advisable to sow a good many varieties as early in the season as possible, including Pansies, Phlox Drummondii, Verbenas, Petunias, Stocks, Dianthus, and others of a comparatively slow growing character. Failing a greenhouse for this purpose, there is nothing to beat a good hot-bed; or, if it is out of the question, very good success can be had by sowing them in the house, in boxes filled with light sandy soil, giving all the light and air possible until such time as they can be placed out in the open air.

Almost any kind of light soil will do for sowing annuals, and, as the majority of them germinate freely, the seed should not be sown too thick. Neither should the plants in the beds or boxes be allowed to get overcrowded; it is better to pull some of them out and throw them away, unless all are required, in which case they may be transplanted into other beds or boxes. As to the right depth to sow, the sower must be guided by the size of the seed. The smaller the seeds the less covering they will require. All plants raised under any form of shelter must be thoroughly hardened, by being exposed to the sun and air for at least several days before they are transferred to the open ground.

The proper time for planting varies with the season, but they should never be put out too early. There is a popular notion, amounting almost to a superstition with some people, that if summer flowering plants are not set out by May 24, it is useless to plant them at all. There never was a greater fallacy. Most of the failures in tender crops might be traced to too early sowing or planting. In nine seasons out of every ten, plants set out the first week in June will give far better results than those planted a week or ten days earlier.

If annuals are to be sown in the open ground, no time should be lost in getting in the seeds, once the soil is warm enough to receive them. Among the varieties which do best sown this way are Sweet Peas, Portulaca, tall and dwarf Nasturtiums, Convolvulus, Alyssum, Candytuft, Mignonette, and any other which from their nature are difficult to transplant successfully. These should all be sown in the places where they are to remain to flower, thinning the plants to the required distance apart as soon as they are large enough to handle.

Annuals as a class delight in an open, well enriched soil. Still no one need be deterred from attempting their cultivation because he fancies his soil will fail to meet their exact requirements. Many varieties will grow and flower under the most adverse conditions, and many a plot of ground, both in town and country, which up to the present has grown little else but weeds, might be made beautiful with this class of plants for a trifling amount of labour and expense.

### BIENNIALS AND PERENNIALS

may be sown at the same time as Annuals of the same degree of hardness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted and planted either in different parts of the garden, or into a nursery bed in rows a foot or more apart. Some Biennials and Perennials may be sown in July and August or as soon as the seeds are ripe. If the plants get strong enough before the setting in of winter, most of them will flower the next summer.

# D. & F's. Quality Flower Seeds

We Prepay Postage on all Flower Seeds in this list to any address in Canada

## ASTERS

One of the most popular hardy annuals grown. The following list comprises the best varieties for commercial and private use, our seed being grown by expert growers.

### Ferguson's Beauty Asters

The first of this entirely new type of Aster was American Beauty, introduced in 1917. In 1919 we added Purple Beauty and now we are able to offer two other most desirable varieties—September Beauty and Lavender Beauty. The Beauty Asters are similar in type of flower and growth to the well-known Late-Branching Aster, but the large flowers are later in blooming and are carried on much longer and heavier stems. The plants are robust, 2½ to 3 feet tall, bearing immense flowers 4 to 5 inches in diameter, gracefully carried on strong stems. They are invaluable as cut-flowers and fill the season between other late Asters and the early Chrysanthemums.

**September Beauty.**—Delicate, soft shell-pink. A beautiful and rare color among Asters. Pkt. 25 cts.

**Lavender Beauty.**—Clear lavender. Flowers large and fully double. Pkt. 25 cts.

**American Beauty.**—Bright rosy-carmine, the shade of the world-famous American Beauty rose. Pkt. 20 cts.

**Purple Beauty.**—Wonderful, rich purple flowers of unusual size. Pkt. 20 cts.

**Sensation, New Red.**—Entirely different from all others, and in a class of its own. It is the reddest of all red Asters, the color being a dark, rich garnet, which glistens in the sunshine. Flowers very double, 3 in. across, and borne freely on long stems. It blooms with the late sorts; branching habit. 1½ ft. Pkt., 20 cts.

**Aster Sinensis, General Joffre.**—A welcome addition to the single Asters now so popular. Flowers intense crimson-scarlet with clear golden-yellow disc, the petals closely placed and slightly incurved, giving the flowers a fine bold appearance. Foliage metallic dark green. The habit of the plant is compact and erect from 12 to 15 inches high. An excellent bedding variety. Per pkt., 20 cts.

**Astermum Asters.**—A strain of Comet Asters, which, on account of their size and Chrysanthemum-like appearance, have appropriately been named Astermums. The plants grow about 2 feet high, and come into bloom a little earlier than the Crego Giant. We offer three fine colors, lavender, rose pink and white. Each color, pkt., 15 cts.

**Lady Roosevelt.**—The flower resembles the incurving chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The mammoth growth of plant insures extra-long stems; 20 to 30 inches long is very ordinary; and the flowers are very large. Pkt., 20 cts.

**Vick's Royal.**—Vick's Royal are a new class of Asters in which the petals are very broad and distinctly incurved or shell-shaped. The peculiar shape of the petal gives an effect of shading that enhances the beauty of the color. The flower has a charming grace and a Chrysanthemum-like effect. In size the flowers are like the late branching Asters, and the plants have the same sturdy vigor. In season they are earlier than branching Asters, remaining in bloom a long time. White, pink, shell pink, rose, lavender, purple. Pkt., 15 cts. Pkt. each of the five colours, 65 cts.

**Dreer's Crimson Giant.**—A late-branching variety of upright growth with extra large, densely double flowers of rich blood-crimson; makes a brilliant bed or border and is splendid for cutting. Pkt., 20 cts.



Astermum Aster

**Vick's Enchantress Pink.**—Its vigorous upright habit of growth, the profusion of good, strong flowering stems, together with the size and loose graceful effect of the flower, make this variety very desirable. The flowers are large and very double and have the delicate shade of the Pink Enchantress Carnation. The broad flat petals give a soft effect, which is extremely pleasing. Pkt., 20 cts.

**Peerless Light Pink.**—The finest pink late-branching Aster ever offered. The plants are of robust, free-branching habit, and it is hard to find a flower under four inches across, and many measure five inches by two and a half in depth, forming an almost globular flower. The color is a rich shell-pink and comes into bloom about the middle of August, being at its best during the early part of September. Pkt., 20 cts.

**Mikado White.**—A Comet Aster of great beauty. The flowers are pure white and of immense size. The petals are curled and twisted in the centre of the flower. Pkt., 15 cts.

**Mikado Pink or "Rochester."**—The colour is an exquisite shade of lavender pink. The petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the centre they bend and curl across each other in magnificent disorder. This is a Comet Aster of strong growth, long stems and fine form. Pkt., 15 cts.

**KING ASTERS**

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

**Violet King.**—This handsome Aster must be seen to be appreciated; of branching habit, the flowers are borne on long stiff stems. The flower petals resemble the quilled varieties, but are much larger and broader. The bloom is round, full and very large, measuring from 4 to 5 inches in diameter. Colour is a soft violet-lilac. Pkt., 20 cts.

There are few Aster growers who do not know the Violet King, introduced in 1906. It has probably won more prizes in the last few years than any other variety in the world.

**White King.**—Large pure white, fully centered flowers of the same type as "Violet King." The plants yield on an average from 6 to 12 marketable flowers with stems 14 to 20 inches long. Pkt., 20 cts.

**Rose King.**—A mate to the well-known and so justly popular "Violet King," resembling same in every point except in color, which is a particularly pleasing shade of bright rose. Pkt., 20 cts.

**Crimson King.**—A splendid upright growing sort, producing very large, well-formed, dark crimson flowers. Its brilliancy of colour and erect, tall-growing habit tend to make it one of the most showy varieties for garden culture. Pkt., 20 cts.

**Pink King.**—In color the New Pink King is a beautiful and delicate lavender-pink, very much like the now famous "Rochester" Aster. It has the same type of flower and upright growth of plant as the White King. Pkt., 20 cts.

**Lavender King.**—The massive flowers of the new Lavender King are of the same thick, fluffy type as those of the White King. The colour is a very pleasing shade of deep Lavender. Pkt., 20 cts.

A packet each of the six King Asters, for \$1.00.

**VICK'S LATE BRANCHING ASTERS**

This vigorous type forms broad, handsome bushes, covered with large, long-stemmed and long petalled flowers that are graceful and feathery in effect.

White.....	Pkt. 15c.	Crimson.....	Pkt. 15c.
Pink.....	15c.	Lavender.....	15c.
Rose.....	15c.	Mixed.....	10c.
Pure White.....	Pkt. 10c.	Lavender.....	Pkt. 10c.
Rose.....	10c.	Crimson.....	10c.
Purple.....	10c.	Mixed.....	10c.
Pink.....	10c.		

The collection of 6 varieties for 50 cts.

**TRUFFAUT'S PEONY PERFECTION**

Handsome Aster grows stiffly erect and about 18 inches tall. The class is remarkable for the brilliant colors of its incurved flowers.

Snow-White.....	Pkt. 15c.	Dark Blue.....	Pkt. 15c.
Rose.....	15c.	Light Blue.....	15c.
Crimson.....	15c.	Mixed.....	15c.
Blood Red.....	15c.		

A packet each of the 6 colors, 75 cts.

**QUEEN OF THE MARKET**

An early flowering double aster of good size.

White.....	Pkt. 10c.	Lavender.....	Pkt. 10c.
Crimson.....	10c.	Light Blue.....	10c.
Pink.....	10c.	Dark Blue.....	10c.
Rose.....	10c.	Mixed.....	10c.

A packet each of the 7 colors, 60 cts.



Mikado Aster

**VICK'S PERFECTION ASTERS--Upright**

This is one of the most popular classes of Asters ever introduced. In shape of plant they are erect or upright like the Imperials as distinguished from the widely branching sorts. They are very vigorous, and somewhat larger than any other mid-season uprights. The flower petals are incurved like those of Peonies. The Rose, Lavender and Purple Perfection have a beautiful sheen on each petal which, especially in sunlight, gives the flowers the effect of changeable colors. White, shell pink, purple, crimson, rose, lavender. Pkt., 20 cts. A pkt. each of the six colors, \$1.00.

**CREGO ASTERS**

The Crego Asters have large flowers, with long, narrow loose petals called Comet type and grow in a variety of colors. The plants are of the branching family and are very vigorous and productive. They bloom in mid-season or just before the late branching.

White.....	Pkt. 15c.	Crimson.....	Pkt. 15c.
Pink.....	15c.	Lavender.....	15c.
Rose.....	15c.	Mixed.....	10c.

A packet each of the five colours for 60 cts.

**IMPERIAL ASTERS—Daybreak Type**

The most popular and best known Medium Early Aster ever grown.

Vick's Daybreak, introduced in 1897, and Vick's Purity, introduced in 1899, are now the best known and most widely used of all midseason Asters. We believe that the various other colours will prove equally popular when they are as well known.

**Giant Purity.**—(White Daybreak).—Very free flowering; plants are literally one mass of snow white flowers. Pkt., 15 cts.

**Pink Daybreak.**—Flowers large, double and of a delicate pink. Pkt., 15 cts.

**Lavender Daybreak.**—Large flowers of a beautiful shade of lavender. Pkt., 15 cts.

**Rosy Morn.**—(Rose Daybreak).—The flowers are of a handsome shade of rose. We consider it one of the best of the Daybreak type. Pkt., 15 cts.

**Purple.**—A rich shade of purple of the Imperial class. Pkt., 15 cts.

A packet each of the 5 colors, 60 cts.

A list of Peonies covering eighty-five of the finest varieties to date with full description and cultural directions, will be mailed on application.

## ASTERS—(Continued)

### EXPRESS COMET

Early flowering Comet Asters of great merit, not only for garden purposes, but of even more value for early cut flowers. Extra-early flowering have heretofore been produced at the expense of either size, doubleness, substance or length of stem, but the Express Comets are nearly as good as late-flowering sorts and come into bloom in the open ground with us by the middle of July. They are the largest early Asters of which we know, flower  $3\frac{1}{2}$  inches to 4 inches across, of double Comet type; splendid substance and long stems; plants healthy and sturdy, branching habit; 18 inches high; free bloomers.

Azure-Blue.....Pkt., 20 cts.  
 Dark Blue.....Pkt., 20 cts.  
 Rose-Pink.....Pkt., 20 cts.  
 Pure White.....Pkt., 20 cts.  
 Mixed Colors.....Pkt., 20 cts.  
 Collection of Express Comet Asters. 1 packet each of 4 separate colors, 60 cts.

A packet each of four Earliest of all Asters, 70 cts.

**LAVENDER GEM.**—One of the most beautiful Asters. It is of true Comet type, with large artistic, loosely-arranged flowers on long wiry stems of the most charming shade of lavender imaginable. Per pkt., 20 cts.

**VICTORIA OR WASHINGTON.**—Plants grow strong and robust, bearing flowers of enormous size, very double, showy and massive, with recurved petals. Choicest mixed. Pkt., 15 cts.

### DWARF CHRYSANTHEMUM FLOWERED

A large flowering Dwarf Aster, very double. 1 foot. Excellent for ribbon borders, beds or pots.

White.....Pkt., 15 cts.	Carmine.....Pkt., 15 cts.
Scarlet.....Pkt., 15 cts.	Rose.....Pkt., 15 cts.
Light Blue.....Pkt., 15 cts.	Mixed.....Pkt., 15 cts.
Dark Blue.....Pkt., 15 cts.	

A packet each of the six colours, 75 cts.

### FERGUSON'S GIANT SINGLE, EARLY-FLOWERING ASTERS

**Southcote Beauty.**—An improved type of the original single Aster. For indoor decoration this is a valuable Aster, having long, gracefully curved petals and yellow centres; closely resembling single Chrysanthemums.  $1\frac{1}{2}$  ft.

Pure White.....Pkt. 15c.	Rose.....Pkt. 15c.
Light Blue.....15c.	Violet.....15c.
Scarlet.....20c.	Mixed.....15c.

A packet each of the 5 colors, 70 cts.

### FERGUSON'S LATE SINGLE-FLOWERING ASTERS

The original type of Chinese Aster. Large single flowers. Splendid for cutting.  $1\frac{1}{2}$  ft.

Mauve.....Pkt. 15c.	Violet.....Pkt. 15c.
Pink.....15c.	White.....15c.
Mixed.....Pkt. 10c.	

A packet each of the 4 colors, 50 cts.

**ABRONIA, Umbellata.**—The Abronias are trailing plants with prostrate branches bearing clusters of sweet, scented flowers, very much like Verbenas. The seed should be started under glass, first removing the husky covering. Annual. Rose lilac with white eye. Pkt., 15 cts.

**ABUTILON.**—Flowering Maple. Elegant flowering half hardy shrubs of strong growth and easy cultivation, suitable for house in winter and garden in summer. Sown any time before April, in a temperature of 60 degrees, they will produce fine flowering plants the first season. Of choice varieties and colours. Per pkt., 20 cts.

**ACHILLEA, Ptarmica, "The Pearl."**—One of the best hardy white perennials, bears a profusion of small, double, white flowers during the entire season. Fine for cutting. Height,  $2\frac{1}{2}$  feet. Pkt., 10 cts.;  $\frac{1}{2}$  oz., \$2.00.



Late Branching Aster.

### FERGUSON'S SUPERB MIXED ASTER

The mixture comprises the finest varieties of large-flowered Asters, including Victoria, Giant Crego Comet, Vick's Branching, Peony-flowered, Hohenzollern, Washington, King Asters, Imperial and others, and the best colours of these. This combination enables the purchaser to get in a single packet a choice and varied selection of the most splendid Asters in cultivation. Oz., \$4.00;  $\frac{1}{2}$  oz., 60 cts.; pkt., 15 cts.

**PERENNIAL ASTERS** (Starworts or Michaelmas Daisies).—Single-flowering hardy, herbaceous plants, thriving in any good garden soil. If sown early in the Spring, they will flower the first season. Mixed colours. Pkt., 15 cts.

### ASTER SUB COERULEUS.

(Perennial).—New. This is a very hardy species of a Perennial Aster. The flowers are a beautiful mauve and similar in form to a Marguerite. They are borne on long stems and are often more than 3 inches across. These should be in every garden, as they bloom profusely from the end of June to October, and are invaluable as cut flowers. It can also be grown easily in the greenhouse. Height  $1\frac{1}{2}$  to 2 ft. Per pkt., 25 cts.

**ACONITUM.**—Hardy perennials. Showy spikes of hood shaped flowers, 4 feet. June to September.

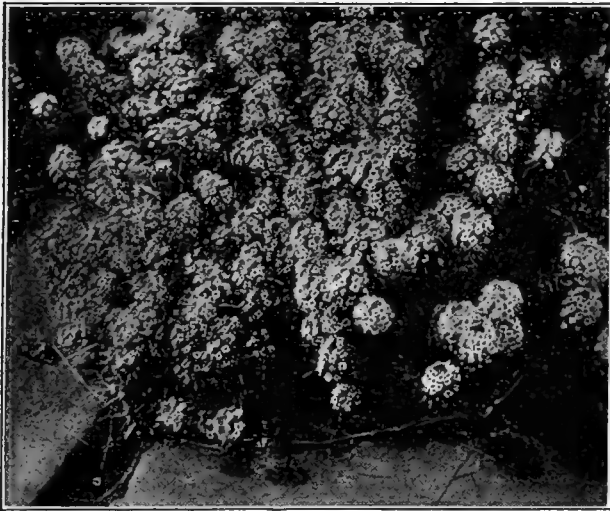
**Wilsoni.**—This recent introduction from China, with large pale-blue trusses, is the latest-flowering of all the Monk's-Hoods. It attains a height of about 4 feet. After the terminal flower truss is over, lateral shoots are produced which continue flowering until late in the season. Pkt., 25 cts.  
**Napellus.**—Blue. Pkt., 15 cts.

**ADONIS, Aestivalis. (Flos. Adonis).**—Handsome plants, with showy flowers, and of easy culture in any soil. Seed should be sown early. Annuals. Scarlet. 1 foot. Pkt., 10 cts.

**ACROCLINUM.**—One of the most beautiful and valuable everlasting flowers and grown extensively for winter bouquets. Sow in hot beds and transplant. Annuals.

Double mixed.—Pkt., 10 cts.





Sweet Alyssum.

**AGERATUM.**—Half-hardy annuals especially well adapted to edge large beds of Geraniums, Salvia, Coleus or Cannas. Flower continuously throughout the summer. The seed should be sown in hot-bed or light window.

**Little Blue Star.**—Exceedingly dwarf and pretty plants densely covered with bright blue flowers; height, 5 inches. Pkt., 15 cts.

**Blue Perfection.**—This is the darkest colored of all large flowering Ageratums. Colour deep amethyst-blue, compact growth, fine bedder. Pkt., 10 cts.

**Little Dorrit,** a mass of azure blue flowers, six inches high and one foot through. Pkt., 10 cts.

**Little Dorrit, White,** same as above, except in colour of flower. Per pkt., 15 cts.

**Rosy Morn.**—Fine for bedding or edges of borders, and producing a profusion of beautiful deep pink-coloured flowers, 6 inches. Pkt., 15 cts.

**AGROSTEMMA Coeli Rosa.** (Rose of Heaven).—Free blooming and attractive plants, with velvety foliage and pretty rose flowers, 8 inches. Hardy annual. Per pkt., 10 cts.

**Coronaria.** (Rose Champion).—Free blooming and pretty. Hardy perennial. Pkt., 10 cts.

**ALYSSUM.**—One of the most popular hardy annuals, used especially for edging and also valuable for cutting on account of the fragrance of flowers.

**Lilac Queen.**—A distinct, new annual variety with pure lilac colored flowers. The plants are of dwarf compact growth and are equally as useful for carpet bedding and edgings as the dwarf white varieties. Per pkt, 20c.

**Little Dorrit.**—A grand improvement on the already much grown variety, "Little Gem," being much more compact. This new variety forms a perfect little bush with miniature white rocket flowers. A perfect gem for borders or beds. Pkt., 15 cts.; oz., \$1.25 cts.

**Little Gem.**—A dwarf, compact variety, not over six inches high, bearing its pure white fragrant flowers in the greatest profusion during the entire summer. Per pkt., 10 cts.; oz., \$1.00 cts.

**Maritimum** (Sweet).—Flowers small and sweet. Per pkt., 10 cts.; oz., 50 cts.

**Saxatile Compactum.**—Hardy perennial ten inches high, compact habit, golden-yellow flowers. The popular name is Gold Dust. Per pkt., 15 cts.

**AMARANTHUS.**—Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming. Seed should be sown in the house or in a hot-bed.

**Sunrise.**—Bronzy crimson foliage, shading off to brilliant scarlet leaves on top of the stalk, the lower leaves having a scarlet band through the centre. 2½ feet. Pkt., 15 cts.

**Tricolor Splendens.**—An improvement on the old sort, of more brilliant coloring. 2½ feet. Per pkt., 10 cts.

**Cruentus** (Prince's Feather).—3 feet. Per pkt., 10 cts.

**Caudatus** (Love Lies Bleeding).—Blood-red, and of drooping habit. 3 feet. Pkt., 10 cts.

**AMMOBIUM Alatum Grandiflorum.**—Hardy annual. Everlasting immortelle. The plant grows 3 feet high, very erect, broadly winged leaves and branches. Flowers pure white, 1 inch across. July to October. Pkt., 10 cts.

**ANCHUSA, Dropmore Variety.**—New. One of the best hardy perennials. The bright blue, forget-me-not-like flowers are borne on graceful stems during the entire season until late in the fall. It is a great improvement on the existing varieties. 4 to 5 feet. Pkt., 15 cts.

**Italica.**—Hardy perennial. Deep blue, 3 feet. June to September. Pkt., 10 cts.

**ANEMONE.**—A very pleasing hardy perennial, producing large flowers; few plants compare with them in beauty; fine for bouquets.

**St. Brigid** (Irish Anemone).—A really beautiful strain of Anemone. Enormous blooms the size of tulips, in a great variety of striking colours.

As pot plants for winter flowering they are superb.—Sown in June and potted on, they will produce fine specimen plants for Christmas-time. Pkt., 20 cts.

**ARMERIA, Formosa.**—Hardy perennial. Excellent for edging or borders. Dwarf plant of easy culture, forms evergreen tufts of bright green foliage, and producing innumerable pink flowers in dense head on stiff, wiry stems. 6 inches. July to September. Pkt., 15 cts.

A list of Gladiolus covering 125 of the finest varieties to date with full description of cultural directions, will be mailed on application.



Ageratum.

**New Giant Flowered  
ANTIRRHINUMS**

Immense spikes 2 to 2½ feet high, of very large, beautifully colored flowers.

The Antirrhinum now rivals the Sweet Pea and Carnations in popularity, and is grown extensively under glass as well as for bedding out. The graceful spikes are excellent for vases and general decorative purposes. Planted in beds, borders, or among shrubbery, they present a most striking effect.

The varieties offered below are the best and most improved of the largest flowering sorts. The blooms are double the size of the older kinds.

**Pink Beauty.**—Deep rose pink self, enormous blooms: Pkt., 20 cts.

**Feltham Beauty.**—Deep rose pink with white center. The immense blooms are the largest yet introduced. Pkt., 20 cts.

**Orange Beauty.**—Very large flowers of a lovely orange scarlet with golden lip. Pkt., 20 cts.

**New Intermediate  
Varieties**

The following varieties are very large flowering and exquisite in coloring. 15 to 18 inches high.

**Admiration.**—Bright scarlet, white throat. Pkt., 20 cts.

**Bonny Lass.**—Delicate pink, white throat. Pkt., 20 cts.

**Golden Beauty.**—Fine, rich golden yellow. Pkt., 20 cts.

**Golden Morn.**—Reddish gold, with golden lip. Pkt., 20 cts.

**Mauve Beauty.**—Beautiful, rosy mauve. Pkt., 20 cts.

**Pink Queen.**—Lovely pink, yellow lip, enormous spikes. Pkt., 20 cts.

**Captivation.**—A charming rich chamois shaded pink, a unique colour. Very large flower, fine spike, free flowering. A perfect gem in Antirrhinums. Pkt., 20 cts.

**Nelrose.**—The new American variety, much exhibited at the London shows and recipient of an Award of Merit from Royal Horticultural Society on April 21 last. Flower silver pink, recommended for culture under glass for winter flowering, produces long stems, invaluable for cutting, and the flowers stand well in water. Pkt., 25 cts.

**AQUILEGIA-Columbine**

The well-known Columbine or Wild Honeysuckle. Thrives well with ordinary garden culture, but is quite at home under the spray of a fountain or by the water side. The plants form large clumps from one to two feet in diameter, and produce a large number of flowers. Flowers early in spring. Seeds may be sown in open ground. Perennial.

**D. & F.'s Long-Spurred Hybrids.**—This is allowed to be the finest strain ever offered and is the result of over 50 years' careful hybridization.

The blooms are exceptionally large and of perfect form, and the colours range from whites, creams, yellows, mauves, blues, purples, pinks and reds. The shades are all distinct; there are no jarring tints and all form a most harmonious mass of colour, rarely met with in any other plant.

Nothing exceeds the beauty of a bed of these new hybrids of Aquilegia, or call them by their old name, the Columbine. They last long in bloom and no flowers are more elegant and graceful for table decorations. Pkt., 25 cts.

**Rose Queen.**—Beautiful flowers of light to dark rose with white centre and yellow anthers, a most delicate combination of colours. Pkt., 15 cts.

**Chrysantha.**—A beautiful, large flowered, canary-yellow variety. Excellent, 3 feet. Per pkt., 15 cts.

**Skinneri.**—Scarlet, tipped with yellow; a very handsome species; height 2 feet. 15 cts.

**Coerulea.**—Flowers large, sky-blue and white. Pkt., 15 cts.

**Californica Hybrida.**—Large yellow flowers, dark orange spurs, one of the best. Per pkt., 15 cts.

**Nivea Grandiflora.**—White, semi-double. Per pkt., 15 cts.

**Double Mixed.**—Pkt., 15 cts.

**ARABIS, Alpina.** The earliest, prettiest spring flower. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequaled for rockeries or edgings, withstands the drought and is always neat; 6 inches. Hardy perennial. Per pkt., 10 cts.; ¼ oz., 35 cts.

**AUBRIETIA.** Hardy perennial, invaluable for covering rockwork or any unsightly spot somewhat elevated above the surrounding ground. They will grow in almost any kind of soil and may remain for years undisturbed.

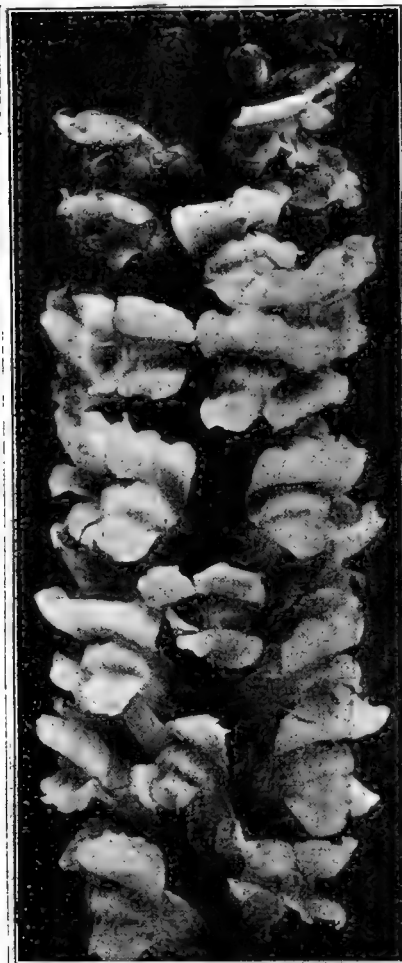
**Purpurea.**—Flowers of a rich dark purple colour. Per pkt., 15 cts.

**Leichtlini.**—Rosy red, a very pretty variety. Per pkt., 25 cts.

**ASPERULA.** A charming little profuse blooming hardy annual, bearing clusters of fragrant sky-blue flowers, admirably adapted for bouquet-making. One ft. Per pkt., 10 cts.

**ARCTOTIS, Grandis.**

Hardy annual from South Africa. Large lilac daisy-like flowers, appear in great abundance from June till frost. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window, every one will open and produce as fine flowers as though left on the plant. Height, 2½ ft. Pkt., 15 cts.



Antirrhinum.

**ANTIRRHINUM**

(SNAPDRAGON)

One of the finest flowers for cutting in existence, bearing long spikes of gorgeously coloured flowers. It is also grown extensively under glass in the Winter. Seed should be sown in the house from February on or in hotbed from March onward.

**Giant Varieties.**—Mixed. Pkt., 10 cts.

**Giant Delicate Pink.**—Pkt., 10 cts.

**Giant White.**—Pkt., 10 cts.

**Giant Scarlet.**—Pkt., 10 cts.

**Giant Yellow.**—Pkt., 10 cts.

**Semi-Dwarf Varieties.**

**Cholest Mixed.**—From over 30 varieties, Pkt., 10 cts.

**Daphne.**—Deep rose with white throat and lip. Pkt., 15 cts.

**Queen of the North.**—Grows 1½ feet, and covered with large white flowers. Pkt., 15 cts.

**Golden Queen.**—Very large flower, rich golden yellow. Pkt., 15 cts.

**Crimson King.**—Bright crimson. Pkt., 15 cts.

**Very Dwarf Varieties.**

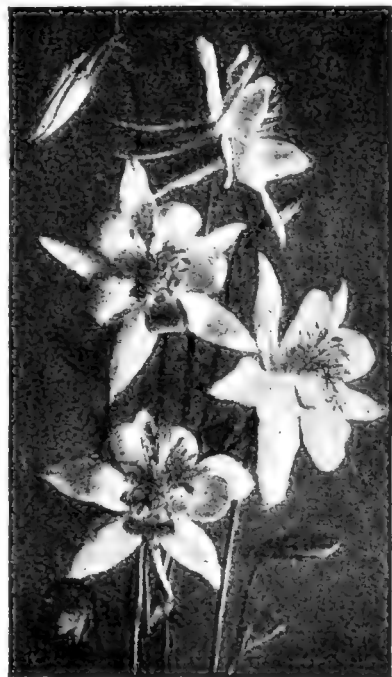
**Choice Mixed.**—Very select. Pkt., 10 cts.

**Snowflake.**—Pure White. Pkt., 10 cts.

**Scarlet.**—Pkt., 10 cts.

**Pink.**—Pkt., 10 cts.

**Yellow.**—Pkt., 10 cts.



Aquilegia

# THE SUMMER FIR

## ARTEMESIA SACCORUM VIRIDIS

A new annual ornamental foliage plant from China. It is described as forming pyramidal bushes 3 to 5 feet in height, which, grown as an individual specimen, looks like a finely grown Christmas tree, and can be used in groups or lines in the same way as the Kochia or Summer Cypress. The fine pinnate foliage is a rich dark green, and can be used when cut to great advantage in connection with flowers of any kind. As a class the annual Artemesias are easily grown, doing well in even the poorest soil. A most interesting novelty. Pkt., 15 cts.

**ASPARAGUS, Plumosus,** (Asparagus Fern).—Graceful and feathery bright green foliage, extensively grown by florists for cutting purposes. Pkt., 25 cts.  
**Sprengerl.**—Drooping foliage, adapted for hanging baskets or cutting. Pkt., 15 cts.

**AURICULA.**—In raising these spring flowers from seed a considerable amount of patience is needed, the seed being very variable in germinating, taking months sometimes before the young seedlings appear; half-hardy perennial.  
**Finest Show Varieties.**—From a collection of finest, named sorts. Per pkt., 25 cts.

**BALSAM, Lady's Slipper.**—The garden Balsam is a native of India, and likes a bright sun and warm weather. The seeds should be sown in the house, the hotbed, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. The seeds quickly germinate and the young plants make a rapid growth. Half hardy annual.

**D. & F's. Prize Double Camelia-flowered Mixed**—A very large-flowering extra double class of highest perfection: unsurpassed. Oz., \$1.50; pkt., 10 cts.

**Double Pink.**—Pkt., 10 cts.  
**Double Scarlet.**—Pkt., 10 cts.  
**Double Pale Yellow.**—Pkt., 10 cts.  
**Double White Perfection.**—Pkt., 10 cts.  
Collectors of 12 varieties, \$1.00.

**BARTONIA, Aurea.**—Producing showy golden-yellow flowers above its gray and downy thistle-like foliage, which are exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting; hardy annual, 2 feet. Per pkt., 10 cts.



Balsam



Artemisia Saccorum Viridis.

**BEET.**—Used especially for its ornamental foliage; grows in any good garden soil; if grown in garden makes a fine contrast with other plants. 2 feet.

**Chilian or Brazilian.**—Special selection for bedding, saved only from good crinkled-leaved varieties, with large midribs; all shades of crimson, rose and yellow; very select. Pkt., 15 cts.; oz., 60 cts.

**Crimson Willow-Leaved.**—Fine, dark ornamental leaved bedding variety, very elegant and graceful, narrow drooping foliage. Pkt., 15 cts.; oz., 60 cts.

**BOCCONIA, Japonica**—Effective, hardy perennial for single specimens or groups on lawns. Foliage glaucous green, bears freely spikes 2 to 3 feet long of cream-colored flowers. 5 feet. Per pkt., 15 cts.

**BEGONIA**—A fine tribe of plants. Sow in a hot-bed or in the house in February or March, pot young seedlings when large enough. In a few months they begin to display their splendid and continuous bloom. Greenhouse Perennial.

### Tuberous Rooted Varieties

**Frilled.**—This strain is unquestionably the finest of the tuberous-rooted section. The flowers are of large size, from 4 to 6 in. in diameter, with beautifully frilled and wavy petals, not unlike the finest single Petunias. Pkt., 75 cts.

**Single Tuberous Begonias.**—Laing's gold medal strain. Mixed. Per pkt., 50 cts.

**Double Tuberous Begonias.**—A really double Begonia. Mixed. Per pkt., 75 cts.

**Rex Varieties.**—Large, handsome leaves, dark green, variegated with red bronze, red and silver-white; green-house perennial. 1 foot. Pkt., 75 cts.

**Basket Begonia Seed.**—(Tuberous Begonias suitable for growing in hanging baskets. They are especially suited for hanging in greenhouses, conservatories, etc., as they are very light and graceful in appearance. Mixed colours. Per pkt., \$1.00.

### Everblooming Bedding Varieties

The following varieties take rank as bedding plants with geraniums and coleus, doing as well in full sunshine as in partial or whole shade. They are of sturdy growth, forming dense bushes, which are completely hidden with flowers the entire season. As pot plants for winter flowering they are superb. Easily raised from seed.

**Erfordia.**—Bright rosy carmine. Pkt., 25 cts.

**Gracilis.**—Handsome flowers of a delicate rose color. Pkt., 15 cts.

**Luminosa.**—Brilliant fiery dark scarlet; very bright. Pkt., 25 cts.

**Prima Donna.**—A perfected, ideal form of Gracilis; the flowers are larger, of a lilliput rose, shading to carmine at the centre. Pkt., 25 cts.

**Salmon Queen.**—The highest coloured of all, being a brilliant salmon-rose, beautiful either as a pot plant or for bedding. Pkt., 25 cts.

**Vernon.**—Bright orange-carmine flowers, deep red foliage. Pkt., 25 cts.

**BRACHYCOME.**—Free-flowering, dwarf growing hardy annual covered during the greater part of the summer with a profusion of pretty blue or white flowers; suitable for edgings, small beds or pot culture. Mixed colours. Per pkt., 10 cts.

**Little Blue Star.**—An improvement on the old variety, with charming bright blue starry flowers very free flowering and compact. Pkt., 15 cts.

CANTERBURY BELLS.

**Calycanthema.**—This is the finest variety, producing flowers resembling a cup and saucer.

**Rose.**—Delicate rosy-pink. Pkt., 10c. | **White.**—Pure White. Pkt., 10c.  
**Blue.**—A fine, clear shade. 10c. | **Mixed** . . . . . 10c.

**Godfrey's Superb Strain.**—This is without doubt the finest strain of *Campanula Calycanthea* yet offered. It was exhibited at several shows last season and attracted great attention.

The flowers are much larger than those of other strains and of perfect form both in cup and saucer. Mixed colours, 25 cts. per pkt.

**Medium.**—The old-fashioned sort, with beautiful, large bell-shaped blossoms.

**Single Mixed.**—All colours. ¼ oz., 30 cts.; pkt., 10 cts.

**Double Mixed.**—All the double-flowering medium varieties. ¼ oz., 50 cts.; pkt., 10 cts.

**Campanulas or Bellflowers. Various Sorts.**—Well-known, beautiful hardy herbaceous perennials, bearing a great profusion of attractive bell-shaped flowers; thriving best in light, rich soil; some of the varieties flower the first season if sown early.

**Carpatica.**—Free-flowering hardy perennial, continuing in bloom the whole season; color clear blue; grows 6 inches high; especially good for edging. ¼ oz., 50 cts.; pkt., 10 cts.

**Alba.**—The white-flowered form of the above. ¼ oz., 50 cts.; pkt., 10 cts.

**Fragilis.**—Light-blue flowers. Habit trailing, and valuable for suspended baskets. (Half-hardy perennial). Per pkt., 10 cts.

**Persicifolia Grandiflora.**—Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large blue flowers. Pkt., 10 cts.

**Persicifolia Alba.**—Pure white. Pkt., 10 cts.

**Persicifolia, Moerheimi.**—One of the finest *Campanulas*, with long spikes of double white flowers. A great acquisition. Pkt., 20 cts.

**Pyramidalis.**—A beautiful stately hardy plant, either for garden or pot culture; blue silver-shaped flowers; 4 to 5 feet. ¼ oz., 40 cts.; pkt., 10 cts.

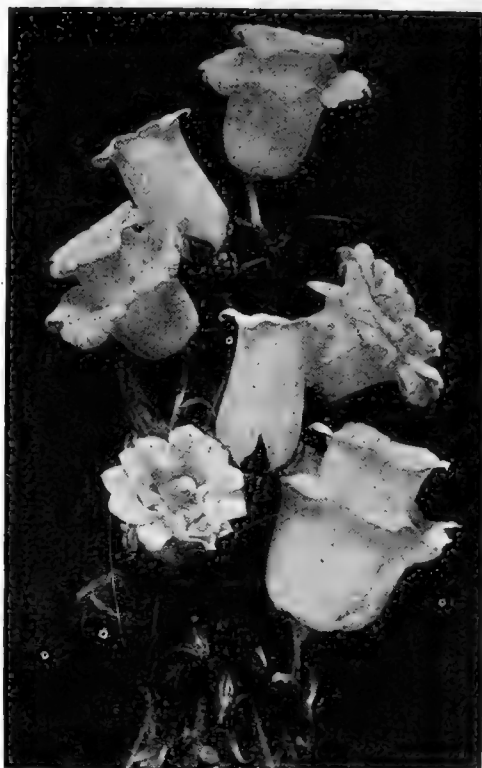
**Alba.**—Same as above, but with white flowers. ¼ oz., 40 cts.; Pkt., 10 cts.

**BROWALLIA.**—A very profuse-blooming, half-hardy annual bedding plant, covered with rich, beautiful winged flowers during the summer and autumn months. 1½ feet.

**Speciosa Major.**—A new variety with clear blue flowers, much larger than other sorts, valuable as a pot plant for winter and early spring flowering. Pkt., 25 cts.

**CANNA, Crozy's Mixed.**—This race of *Cannas* is remarkable for the size and lasting quality of its flowers, and being of compact habit they are invaluable for subtropical bedding. Pierce the seed in one spot with a file and soak in lukewarm water for 24 hours before sowing. Per pkt., 15 cts.

**Dark-Leaved Varieties.**—Per pkt., 10 cts.



Campanula Cup and Saucer.

**CALENDULA.**—Dwarf, bushy hardy annuals, blooming abundantly until frost; of easy culture; indispensable for summer garden, 1 foot. Sowings should not be made outdoors until danger from frost is passed.

**Pure Gold.**—A grand variety, with double extra large flower, of a pure golden-yellow. Pkt., 10 cts.

**Meteor.**—Large double yellow striped with orange. Per pkt., 10 cts.

**Prince of Orange.**—Resembles Meteor but is much darker. Per pkt., 10 cts.

**Orange King.**—Very large double flowers of a dark orange-red. Pkt., 10 cts.

**Pongel Fl. Pl.**—Showy double white flowers. Per pkt., 10 cts.

**Lemon Queen.**—Clear lemon yellow. Per pkt., 10 cts.

**Calceolaria, "Cotswold Hybrid."** The finest novelty amongst Hybrid *Calceolarias* yet raised. For house, conservatory and cool greenhouse decoration we know of nothing more effective than well-grown plants of these hybrids, and they are bound to take at once a leading place amongst the plants for this purpose. The flowers are about as large again as those of *Clibrani*, and vary in colour from clear golden yellow, lemon yellow, light bronze, deep and light brown—in some cases being lightly spotted like the herbaceous varieties.

In foliage and habit of growth the hybrids take after *Clibrani*, and when well grown, make plants 2½ feet high and as much through, which are simply smothered with graceful and beautifully coloured flowers. The plants are most continuous flowering, lasting in full bloom under cool greenhouse treatment from April until July or August. Per pkt., \$1.00.

**Veitchi, White.**—Award of Merit, Royal International Horticultural Exhibition, 1912. New hybrid, milk-white in colour; strong habit of growth, with strong, healthy, lance-shaped, shining, serrated foliage. Plants bear an abundance of bloom the first season, grow to a height of 3 feet and are very bushy. Strongly recommended. Pkt., \$1.00.

**Profusa Clibrani.**—Of an extremely light and graceful habit, bearing its splendid large flowers in sprays of rich golden yellow most profusely and abundantly. Very popular in Europe. Pkt., \$1.00.

**D. & F's. Prize Strain.**—This magnificent strain was saved from a fine collection of prize plants; compact habit and bearing masses of flowers of great size and exquisite colour, almost every shade of color, beautifully spotted and blotched appearance rarely seen. Per pkt., 75 cts.; ½ pkt., 40 cts.



Calendula.



**CANARY-BIRD VINE.**—A rapid-growing, summer-climbing annual, growing 10 to 15 feet high. It will cover trellis work in the most graceful manner, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary-bird with expanded wings. Per pkt., 10 cts.; oz., 50 cts.

**CANDYTUFT.**—Very showy hardy annuals growing about 1 foot in height and producing a fine effect when grown in masses. The seed should be sown thinly or the young plants thinned out to obtain sturdy growth.

**Giant Empress.**—A complete mass of pure white flowers in a pyramid of bloom. Per pkt., 10 cts.

**Carmine.**—Bright carmine rose. Pkt., 10 cts.; oz., 40 cts.

**White Rocket.**—White, large trusses. Pkt., 10 cts.; oz., 30 cts.

**Crimson.**—Per pkt., 10 cts.

**Rose Cardinal.**—A beautiful shade of rosy scarlet. Pkt., 10 cts.

**Lavender.**—Pkt., 10 cts.

**Mixed Colours.**—Per pkt., 10 cts.; oz., 20 cts.

**Sempervirens.**—A profuse white-blooming hardy perennial, coming in flower early in the Spring; much used for cemeteries, rockeries, etc. 1 foot. Per pkt., 15 cts.

**CALLIOPSIS, Coreopsis.**—Showy and beautiful free flowering hardy annuals blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, thinning out to stand 6 to 12 inches apart.

**Tiger Star.**—A novel form, plants not over 9 inches high; flowers of rich reddish-brown, tigered with golden-yellow, not unlike some of the Orchids. Pkt., 15 cts.

**Golden Wave (Drummondii).**—Large, rich golden-yellow flowers with chestnut-brown centres produced in great abundance. Pkt., 10 cts.

**Crimson King.**—Rich dark crimson flowers. Pkt., 10 cts.

**Golden King.**—A fine golden yellow. Pkt., 10 cts.

**Mixed.**—All the choicest mixed. Per pkt., 10 cts.

**Perennial Varieties:**

**Lanceolata.**—Fine deep yellow flowers, charming hardy perennial, blooms the same season sown. Per pkt., 15 cts.

**Grandiflora.**—Bright golden yellow flowers, 4 inches in diameter, the broad petals over-lapping and beautifully fringed. Pkt., 15 cts.

**CARNATION.**

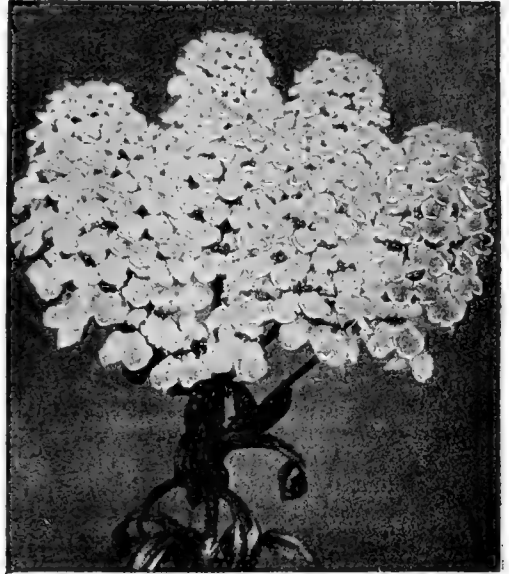
From seed sown early in Spring, will bloom in July and continue the greater percentage double, usually about three inches in diameter. 18 inches. Half hardy perennials.

**Fine Double Mixed.**—The best for garden culture. Per pkt., 10 cts.

**Chabaud's Everblooming.**—Raised by a famous French specialist. Blooms in five months after being sown and continues to flower in the greatest profusion indefinitely. Mixed colours. Per pkt., 25 cts.



Calceolaria Veltchi, see page 41



Candytuft Empress.

**Marguerite Carnation.**—These are deservedly the popular Carnations with the amateur, as they begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf, robust habit, requiring no artificial support, and producing on long strong stems an abundance of large, double, beautiful fringed, highly scented flowers.

**Pure White.**—Per pkt., 10 cts.

**Flery Scarlet.**—Per pkt., 10 cts.

**Bright Rose.**—Per pkt., 10 cts.

**Sulphur Yellow.**—Per pkt., 10 cts.

**Choice Mixed.**—Per pkt., 10 cts.

**Giant Marguerite.**—Extra large and perfect flowering, in a rich variety of colours. They have strong, elastic stalks, so that they may be named iron-stemmed. Pkt., 15 cts.

**CELOSIA CRISTATA, Cockscomb.**

Free-blooming half-hardy annuals, growing best in rather light soil, not too rich, make grand border plants and are attractive in pots. The seeds should be started in the house in March.

**Empress.**—Combs of colossal proportions; rich velvety crimson. Per pkt., 20 cts.

**Glasgow Prize.**—Immense showy dark crimson combs. Per pkt., 20 cts.

**Celosia Plumosus, Feathered Cockscomb.**

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets.

**Pride of Castle Gould.**—Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 20 cts.

**D. & F's Choicest Mixed.**—From a magnificent collection of the choicest feathered varieties. All shades of yellow and rose to crimson, with splendid plumes. Pkt., 15 cts.

**Thompsoni Magnifica Jaune d'Or.**—Fine golden yellow, very choice, grand strain. Pkt., 10 cts.

**Thompsoni Magnifica Crimson.**—Deep crimson. Dark foliage, extra fine strain. Pkt., 15 cts.

**Imported Collection.**—6 varieties, 50 cts.

**CHINESE WOOLFLOWER, Celosia Childsi.**

A much admired and effective form of the feathered Celosia, growing 2 to 3 feet high, well branched and each branch terminating with a large head or ball of rich crimson flowers of a silky wool-like appearance, blooming early and lasting till killed by frost. Will keep for weeks when cut, retaining its rich color. Annual of easiest culture. Pkt., 15 cts.

**COBAEA.**—One of the very finest and most beautiful half-hardy annual climbers. Plants begin flowering when quite young. Put seed in moist earth, edge down; do not water until the young plants appear, unless earth is very dry.

**Scandens.**—Large, bell-shaped flowers. Per pkt., 10 cts.

**Scandens Alba.**—Pure white. Pkt., 15 cts.

**CENTAUREA, Flowering Annual Sorts.**

**Giant Sweet Sultans.**—(*Centaurea Imperialis*).—This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks until July, thereby giving a continuous bloom from summer to fall.

Brilliant Rose.....	Pkt., 15c.	Deep Purple.....	Pkt., 15c.
Rosy Lilac.....	15c.	Delicate Lilac.....	15c.
Deep Lavender.....	15c.	Pure White.....	15c.
Mixed.....	10c.		

Collection, containing a packet each of the 6 colours, 75 cts.  
 Cyanus Single Mixed Colors.—Per pkt., 10 cts.  
 Cyanus Single Blue.—The favorite dark blue sort so much in demand for cutting. Per oz., 40 cts.; pkt., 10 cts.  
 Cyanus Double Blue.—Double flowering form of the popular dark blue Corn flower, and is by far the finest for cutting. Pkt., 15 cts.  
 Cyanus Double-flowered.—Mixed Colours. Pkt., 10 cts.

**White Leaved Centaureas.**

Fine for bedding, vases, hanging baskets and pots; also extensively used for margins. Half-hardy perennial.

**Gymnocarpa.**—Fine-cut silver-grey foliage. 1½ feet. Per 1000 seeds, 40 cts. Pkt., 15 cts.

**Candidissima.**—Silver-white, leaves broadly cut. Per 1000 seeds, 60 cts. Pkt., 15 cts.

**CHRYSANTHEMUM, Annual Varieties,**

**Well's New Early Flowering.**—A remarkable new race of single Chrysanthemums flowering abundantly the first year from seed; equal to the best named sorts.

**DIRECTIONS.**—Sow end of February, or early in March, in pots or boxes, in a frame or greenhouse, prick off when ready, and treat exactly the same as Ten Weeks' Stocks or Asters. Pkt., 25 cts.

**Coronarium, Primrose Gem.**—The habit of the plant is very dwarf and compact, 15 inches in height, covered with beautiful double well-formed flowers of a rich primrose-colour, well-adapted either for borders, or pot culture. Pkt., 15 cts.

**Bridal Robe.**—This is a fine dwarf, compact form of *C. Inodorum*, valuable for cutting. The plants grow about a foot high, and are covered the entire summer with their beautiful snow-white double flowers. Pkt., 15 cts.

**Segetum, Evening Star, or Helios** (Corn Marigold, or Annual Golden Marguerite).—A splendid variety for cutting; flowers 3 inches across, of pure golden-yellow; in general appearance resembles the yellow Paris Daisy. ¼ oz., 35 cts.; pkt., 10 cts.

**Double Fringed Mixed.**—Yellow, white, etc. Per pkt., 10 cts.  
**Single Mixed.**—(Painted Daisies). Pkt., 10 cts.

**Perennial Varieties.**

**Princess Henry.**—Beautiful and valuable variety, superior to the famous "Triumph." Its immense floriferousness and the perfect shape of its flowers



Cobaea. See page 42

is unsurpassed, the latter attaining a size of 15 inches in diameter and even more. Blossoms of the purest white, with yellow centres and borne on long, strong stems. Per pkt., 15 cts.

**Shasta Daisy.**—The finest of all the moon-penny Daisies, flowers very large and perfect. Per pkt., 20 cts.

**Japanese Hybrids.**—The seed here offered has been saved from a magnificent collection. Seed sown in Spring will produce flowering plants by fall. Pkt., 15 cts.

**CARDINAL CLIMBER.**

(*Ipomoea Quamoclit hybrida*).

This hybrid *Ipomoea* is considered one of the most brilliant and distinct annual climbers introduced. A rapid grower, often attaining the height of 30 feet or more. The deeply laciniated, fern-like foliage and fiery, cardinal red flowers are borne in profusion from July to frost. The flowers are about 1½ inches in diameter and are borne in clusters of five to seven blooms. Seed may be sown indoors during April, but it is best to wait for warm weather and sow outdoors in a sunny position. Soaking the seeds in warm water before planting hastens germination. Pkt., 15 cts.; 3 pkts., 40 cts.

**Burbank's Rainbow Corn.**

A new and unique plant from Luther Burbank, who says of it: "Beautiful as the most beautiful *Dracaenas*. Broad stripes of crimson, yellow, white, green, rose and bronze. This has been on exhibition by the California Development Board during the past season and has been the admiration of everybody. Nothing like it for decorative purposes, either for garden or for cutting. As easily grown as field corn." Pkt., 15 cts.

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

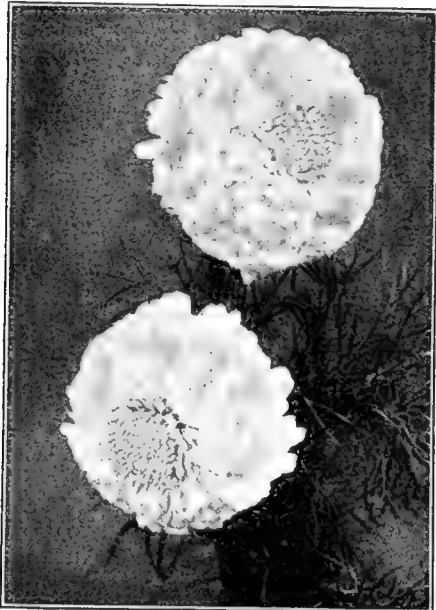
**Scarlet Queen.**—The most striking colour yet produced in *Clarkia elegans*. A valuable and distinct sort. Indispensable for the garden and conservatory decoration in pots. Pkt., 15 cts.

**Salmon Queen.**—Pkt., 10 cts.

**Alba Fl. Pl.**—Very double, pure white. Pkt., 10 cts.

**Brilliant.**—Rich crimson scarlet; very double. Pkt., 10 cts.

**Double Mixed.**—Pkt., 10 cts.



Chrysanthemum, Bridal Robe.

Hoping to get as good Seed as you always send, I remain,  
 E. A. CORNEZ, Brockville, Ont.

**CINERARIA.**—Seed may be sown from April to July. June if only one sowing is made. Being rapid growers, they should not receive a check of any kind from start to finish. When potting use a fairly rich soil, in as rough a condition as the size of the pots will allow. Keep the surroundings cool and moist, but do not over-water, or expose them to the sun sufficiently to make them wilt.

**Matador.**—The new, large flowering scarlet, which adds considerable life and brilliancy to a collection. Pkt., 50 cts.

**Cineraria "Star".**—This curious strain, the issue of various crossings, is now stable in character and may be relied on as coming true from seed. Of the same habit as the C. Grandiflora, it differs from the old type in the petals being twisted and quilled, thus justifying the name given to it. Its charming flowers include not only the colours usually found in that class of plants, but also those of the new hybrids introduced in late years, such as Antique rose, Matador and all their derivatives.

It was awarded a gold medal and a Certificate of Merit by the National Horticultural Society and won a first prize (Silver Medal) in April, 1914, at the Brussels International Exposition. Pkt., 75 cts.

**D. & F's. Prize Mixed.**—The plants are of compact growth, carrying large flower-heads of finest form and substance. The strain includes the richest and brightest self colours as well as perfectly marked fringed and margined forms of all colours. Per pkt., 50 cts.

**Sutton's Prize Mixed.**—Per pkt., \$1.00.

**Sutton's Pink Shades.**—Pkt., \$1.00.

**Sutton's Light Blue Shades.**—Pkt., \$1.00.

**Sutton's Stellata Mixed.**—Per pkt., \$1.00.

### White Leaved Sorts

Fine for bedding, ribbon beds and margins; prized for their beautiful drooping, silvery foliage; half-hardy perennial; 2 feet.

**Maritima Candidissima.**—Silver foliage. Pkt., 10 cts.

**Acanthifolia.**—Silver foliage beautifully cut. Per pkt., 10 cts.

**COLEUS.**—Plants with rich coloured foliage, very beautiful. Tender perennial. Mixed, per pkt., 25 cts.

**Superb New Hybrids.**—From a celebrated collection of named varieties. Pkt., 50 cts.

### CONVOLVULUS, Morning Glory

**Morning Glory.**—Mixed. All colours. Per pkt., 10c.; oz., 20c.

**New Day Glory.**—First of this series. A day-blooming Glory, which keeps its flowers open during the entire day. Pkt., 20 cts.

**Convolvulus Minor.**—Annual, mixed colours. Per pkt., 10 cts.; oz., 15 cts.



Cineraria

### Giant Imperial Japanese Morning Glories.

A magnificent advance on the old-fashioned Morning Glories. The enormous flowers, exquisite colours and beautiful foliage make them, without doubt, the most beautiful climbers in existence. Mixed colours. Pkt., 10cts.; oz., 30 cts.

### Ruffled and Frilled Japanese Morning Glories.

The perfection of Morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colours. Pkt., 15 cts.; oz., 40 cts.

**Japanese Double Mixed.**—The flowers are double and semi-double and some are fringed, which give an appearance of a double flower. Pkt., 15 cts.

**Brazilian Morning Glory.**—Magnificent summer climbing annual. It grows with the greatest vigor and luxuriance! The leaves are 8 to 10 inches across, overlapping each other, and making a dense shade. The vine is covered with short reddish hairs, which, with its immense leaves and large clusters of curious seed capsules, render it highly ornamental. We know of nothing better for quickly covering a piazza, arbor or tree. Flowers are of a beautiful rose color, and are borne in large clusters. Pkt., 15 cts.; oz., 40 cts.

### CYCLAMEN

**Cyclamen St. George.**—This remarkable break offers the highest quality flowers, combined with the decorative foliage of Begonia Rex. The foliage is abundantly produced, and is beautifully margined and ornamented with bright silver. Flowers are in every way identical to our famous Salmon King. Per pkt., 75 cts.

**Mrs. Buckston.**—A new variety with beautifully frilled and waved flowers, which are of large size, often measuring 2½ to 3 inches across, and are produced in great abundance; colour, delicate salmon. Per pkt., 75 cts.

**Ferguson's Giant Mixed.**—From the purest white to the richest and darkest crimson; a grand strain, plants dwarf and compact, flowers large, broad-petalled, of great substance, and borne in great profusion well above the foliage, the colours are well defined, brilliant and delicate in shade. Buyers will be greatly pleased with this fine strain. Per pkt., 75 cts.

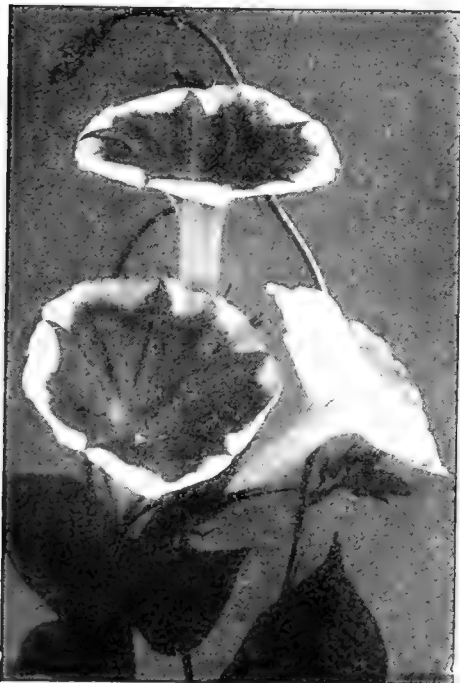
**Ferguson's Giant White.**—Pkt., 75 cts.

**Ferguson's Giant Crimson.**—Pkt., 75 cts.

**Sutton's Giant Pink.**—Pkt., 75 cts.

**Ferguson's Giant Salmon.**—Pkt., 75 cts.

**DIASCIA BARBARÆ.**—A dainty, graceful little annual, which sends up ever so many fine hair-like stems, dressed with tiny foliage and lovely spurred cups of coral pink. It is a gem for dwarf borders. As pot plants for winter flowering they are superb. Pkt., 20 cts.



Giant Japanese Morning Glories

# EVERYTHING FOR THE GARDEN, FARM AND LAWN

## COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting.

### NEW DOUBLE FLOWERING

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. The flowers are full, round and double, and are very attractive.

**Double Eureka, Crimson.** Pkt., 25 cts.

**Double Eureka, Pink.** Pkt., 25 cts.

**Double Snowball, White.** Pkt., 25 cts.

One packet each above three colors for 65 cts.

**New Double Crested.**—These beautiful new Cosmeas are most striking in colour. A large percentage come true from seed, both as to colour and doubleness. The singles which the strain produces are also very beautiful.

**Pink Beauty.**—Soft Pink.....Pkt., 15c.

**Crimson King.**—Dark Crimson..... 15c.

**White Queen.**—Pure White..... 15c.

**Lady Lenox, Pink.**—Lovely shell-pink, lighting up well at night. Pkt., 15 cts.

**Lady Lenox, White.**—(New).—A fine pure white selection of the above. Pkt., 15 cts.

**D. & F.'s Early Mixed Hybrids.**—The earliest of Cosmos in existence. If sown in May in the open ground, it usually blooms by the first or second week in July. Pkt., 15 cts.

**Early Pink.**.....Pkt., 15c. | **Early White.**.....Pkt., 15c.

**Early Crimson.**..... 15c.



Cosmos, Lady Lenox White.

## DELPHINIUM, Perennial Larkspur.

One of our most showy and useful plants, possessing almost every requisite for the adornment of the garden: producing splendid spikes of flowers in profusion throughout the summer. If sown early they bloom the first year from seed; hardy perennial.

**Delphinium, Belladonna** (Everblooming Hardy Larkspur).—This is the freest and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower, and no hardy border is complete without a liberal planting of this really exquisite Larkspur. Pkt., 20 cts.

**Formosum.**—2½ feet. Rich dark blue, long spikes. Pkt. 15 cts.

**Cashmerianum.**—4 feet. Dark blue. Monk's Hood-like flowers; very fine species. Pkt., 20 cts.

**New Large Flowering Hybrids.**—A splendid large flowering strain. Pkt., 20 cts.

**Delphinium, Blue Butterfly.**—Height 15 inches. The greatest acquisition in blue annual flowers for many years. The Royal Horticultural Society, when granting it the Award of Merit, stated in their report that it is "a dainty annual of bushy branching habit, and very floriferous." The seed should be sown early, in heat, and grown on in pots until ready for bedding out. Late sowings do not make effective plants until too late in season. Pkt. 20 cts.

**DAHLIAS.**—This very popular flower can easily be raised from seed; in fact, it is surprising how many new varieties are yearly introduced from seedlings. Seed sown in March will produce flowers in August.

**Double.**—Large flowering mixed. Pkt., 20 cts.

**Double Cactus.**—Many colours. Pkt., 15 cts.

**Collarette.**—Flowers of various colors, with a collar of small petals around the centre. Pkt., 20 cts.

**Single Giant Perfection.**—Flowers of immense size, averaging 6 inches across. Many colours. Pkt., 20 cts.

**DATURA.**—Large, strong growing plants, trumpet-shaped flowers. Three feet in height, set three feet apart. Half-hardy annual.

**Arborea** (Brugmansia).—Flowers trumpet-shaped; usually about 12 inches long; fragrant and pure white. Pkt., 15 cts.

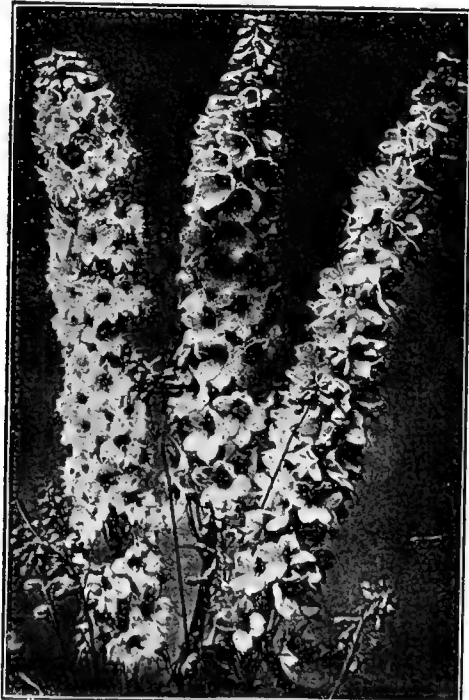
**Cornucopia** (Horn of Plenty).—Grand variety, the flowers average 8 inches long by 4 across. French white inside, delightfully fragrant, started early will flower from early summer until frost. Per pkt., 15 cts.

## DIGITALIS, Foxglove.

Foxgloves make most effective border plants, either as a background or planted among other things. Rich deep soil and partial shade suit their requirements. The plants are perfectly hardy, growing in one situation for a number of years; but, as with many other perennials, they are all the better for being divided at intervals.

**Gloxiniaeflora.**—Gloxinia-shaped flowers: a lovely type; all colours mixed. Pkt., 10 cts.

**Monstrosa** (Mammoth Foxglove).—Long spikes, surmounted by an enormous flower; very odd; all colours mixed. Pkt., 10 cts.



Delphinium.



## DIANTHUS (Pink)

A magnificent class embracing some of the most popular flowers in cultivation, producing in great profusion their beautiful brilliant-colored flowers, highly valued for cutting. They are Hardy Biennials, but, treated as Annuals, bloom the first season from early summer till frost.

### Double Annual Varieties

**Snowdrift.**— Fine large-flowered variety of the Japanese annual Pink with beautiful fringed, very double flowers, over 3 inches in diameter, and of the purest snow-white. Pkt., 15 cts.

**Fireball.**— A dwarf variety, producing globular, double, dark, blood-red flowers, extra fine for bedding. Pkt., 15 cts.

**Pink Beauty.**—A beautiful double pale pink, very fine. Pkt., 15 cts.

**Laciniatus Fl. Pl. "Lucifer".**—The nicely fringed double flowers  $1\frac{1}{2}$  to 2 inches across, are of an intense orange-scarlet, a dazzling colour in full sunshine and the most striking of all red flowered annual Pinks. Pkt., 15 cts.

**Chinensis**, double, mixed colours. Pkt., 10 cts.  
**Heddewigii**, double mixed (Japan Pinks). Pkt., 10 cts.  
**Diadematus**, double mixed (Diadem Pinks).—Various colours, all edged and marbled. Pkt., 10 cts.

**Double Striped and Fringed, Mixed.**—(Laciniatus, fl. pl.), large double fringed flowers of various colours and markings. Pkt., 10 cts.

### Single Annual Varieties

**Superbissimus Mixed.**—A lovely new strain of Dianthus. Flowers very large, of various colours, with crested surface to petals and white throated, giving the flowers a very striking and charming appearance. The finest and largest flowered strain of Dianthus by far for cut bloom. Pkt., 15 cts.

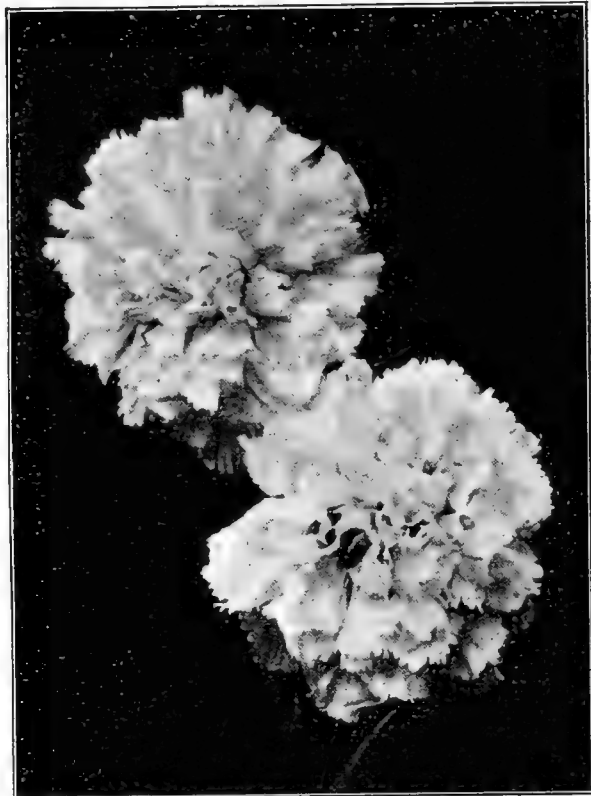
**Heddewigii.**—Mixed colours (Japan Pinks). Pkt., 10 cts.  
**Eastern Queen.**—Rose, striped and stained. Pkt., 10 cts.  
**Crimson Belle.**—Very large dark red. Pkt., 10 cts.  
**The Bride (Little Gem).**—White, purple eye. Pkt., 10 cts.  
**Salmon Queen.**—The well-formed, nicely-fringed flowers are a brilliant salmon-colour, changing into a salmon rose when fading. Pkt., 10 cts.

## HARDY GARDEN PINKS

These hardy varieties are delightfully sweet and well adapted for beds and borders: should be in every garden where cut flowers are wanted.



Dimorphotheca



Dianthus, Snowdrift

**Dwarf Erfurt Double Pink.**—This new strain is of compact growth and early-flowering, coming into bloom two weeks or more in advance of any other variety. They possess the spicy clove fragrance of the old-fashioned pink, and have a much richer variety of colouring. Per pkt., 20 cts.

**Plumarius Fl. Pl. Scented.**—Double and semi-double varieties in beautiful colours. Per pkt., 10 cts.

**Semperflorens** (Everblooming Hardy Garden Pinks).—Very beautiful sweet scented, double, semi-double, and single flowers in great diversity of colour. Pkt., 10 cts.

**Latifolius Atrococcineus, Fl. Pl. (Everblooming Hybrid Sweet William).**—This is a cross between an annual Pink and Sweet William, combining the free and continuous blooming qualities of the former with the hardiness of the latter; in colour an intense velvety crimson scarlet; blooms the first year from seed and one of the finest subjects for any position in the garden. Pkt. 20 cts.

**DIMORPHOTHECA, Aurantiaca**—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  $2\frac{1}{2}$  inches and over across, are an 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. Pkt., 10 cts.

**Aurantiaca Hybrida.**—Very dainty new varieties with flowers varying in colour from purest white, through delicate light shades of sulphur-lemon, light orange and salmon to golden yellow; in height and habit similar to the pretty Dimorphotheca aurantiaca of recent introduction. Pkt., 15 cts.

**Aurantiaca Hybrida Fl. Pleno.**—Semi-double and double flowering varieties of our Dimorphotheca aurantiaca hybrids introduced two years ago. The colourings of these new double flowering varieties are as rich and varied as those of the single flowering sorts, ranging from white to light and dark yellow, from salmon-rose to orange. About 50% to 60% of double and semi-double flowering plants may be expected. Pkt., 20 cts.

**DOLICHOS (Hyacinth Bean).**—A rapid-growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in May, where they are to remain; 10 feet.

**Daylight.**—This grand Hyacinth Bean comes from Japan. In trial ground seed sown late in May had by the middle of July attained a height of over 10 feet, and was covered with spikes of snow-white pea-shaped blossoms from then until late fall. The heart-shaped foliage is bright green and not affected by insect pests. Pkt., 15 cts.; per oz., 50 cts.

**Darkness.**—Identical in every way to the above, except in color, which is rich purple-violet. Pkt., 15 cts.; per oz., 50 cts.

**DOUBLE DAISY.**—Sow the seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. The plants should be about six inches apart in a cool border. Hardy perennial.

**The Bride.**—The nicest white Double-Daisy. Extraordinarily large and very double flowers borne on long, stiff stalks, very early and free flowering. Adapted for pot culture and borders, as well as for cutting. Pkt., 20 cts.

**Longfellow.**—Large double pink flowers. Per pkt., 15 cts.

**Snowball.**—A very double pure white Daisy. The flowers are borne on long stems, and are excellent for cutting. Per pkt., 15 cts.

**Double Mixed.**—All colours. Per pkt., 15 cts.

**DRACAENA, Australis.**—Broad leaves; fine pot plant. Pkt., 25 cts.

**Indivisa (Cordylina).**—Long slender leaves. Pkt., 25 cts.

**Veitchii.**—Variegated leaves. Very ornamental. Pkt., 10 cts.

**ESCHSCHOLTZIA.**—Among our most beautiful of easiest culture and giving great satisfaction, blooming all summer, a bright effect when massed. Hardy annual.

**The Geisha.**—Petals prettily fluted. Color inside of petals brilliant golden; outside of petals intense orange crimson. This is undoubtedly the most beautiful Eschscholtzia. Pkt., 15 cts.

**Carmine King.**—An extra fine selection of this rich carmine variety. Pkt., 10 cts.

**California.**—Pure Yellow. Pkt., 10 cts.

**Golden West.**—Magnificent large deep golden yellow flowers. Pkt., 10 cts.

**Mandarin.**—Inside petals orange, outside scarlet. Pkt., 10 cts.

**Cross of Malta.**—Yellow with orange cross. Pkt., 10 cts.

**Very Choice Mixed.**—Includes many colors. Pkt., 10 cts.



Double Daisy, The Bride.

**FERNS.**—Very desirable plants for ferneries. Mixed colours from a choice collection. Pkt. 30 cts.

**FUCHSIA.**—A well-known plant of easy culture, for the house or shady situations in the garden. Seed saved from the finest single and double named sorts. Pkt., 60 cts.

**GENTIANA, Acaulis.**—Intense blue bell-shaped flowers during May and June. Hardy perennial. Per pkt., 15 cts.

**GAILLARDIA.**—Gaillardias are amongst the best of hardy border plants; the hybrids have large showy flowers of fine substance, and for cutting purposes cannot be too highly recommended; they are easily grown and may be flowered from seed the same season if sown early in heat.

**Lorenziana, The Bride.**—The double annual Gaillardias have always been favorites both as cut flowers and for bedding, and this new very double creamy-white sort is particularly desirable for cutting, the flowers being of good size and borne on very long stems. Pkt., 15 cts.

**Picta Lorenziana.**—Very showy annuals, used abundantly for borders and bedding and fine for cut flowers. Seed should be started early and will flower continually until frost. Double finest mixed. 2 feet. Pkt., 10 cts.

**Grandiflora, Hybrida.**—Finest Mixed. Continual bloomer; very showy and one of the most brilliant perennial garden flowers. Fine for perennial borders. Pkt., 15 cts.

**Grandiflora, Kelway's Exhibition Strain.**—Entirely distinct from the old kind, and from that offered by other growers. A grand new improved strain. Enormous flowers and very stout habit. Many medals and certificates have been awarded by the Royal Horticultural and other Societies. Seed saved from 12 choice separate varieties. Per pkt., 25 cts.

**GERANIUM, Zonale George's Celebrated.**—Saved from the largest and finest double varieties mixed. Pkt., 50 cts.

**Pelargonium, Turner's Fancy.**—Saved from the finest fancy and spotted large-flowering sorts. Per pkt., 50 cts.

**Apple-scented.**—This fragrant favorite variety, can only be grown from seed to form fine plants. Per pkt., 25 cts.

**GERBERA, Jamesoni Hybrida.**—New Hybrids of the Scarlet Transvaal Daisy, varying in colour all the shades of yellow, red, rose, salmon, scarlet and crimson to violet. In addition to the new colours above produced by artificial crossing, the flowers of these new hybrids are larger in size and the plants are of sturdier habit than the parents. They are exquisite as cut flowers, and we recommend them for trial to those who can give them greenhouse treatment similar to that required for Carnations. Pkt., 75 cts.

**GEUM, Atrosanguineum Fl. Pl.**—Showy hardy perennial, brilliant scarlet double flowers, borne in clusters on long stems; fine for cutting. 1½ feet. Per pkt., 10 cts.

**Mrs. Bradshaw.**—This fine variety produces very large flowers, 2 inches or more across, semi-double, with large waved petals of the most brilliant scarlet. They are borne on long wiry stems continuously from June to October.

For cutting purposes it is most useful, while for border decoration it will be found superior to all other varieties of Geum. Pkt., 25 cts.



Gaillardia Kelway's Exhibition.

**GOURDS.**—Luxuriant, ornamental, climbing annuals, useful for covering arbors, fences or slopes, and bearing gourds which are of interesting forms and colours; 10 to 15 feet.  
**Mixed Varieties.**—Pkt., 10 cts.; oz., 25 cts.  
**Imported Collection** of 12 varieties, 75 cts.

**GODETIA.**—Showy hardy annual of compact growth, about 1 foot high bearing freely flowers 3 to 4 inches across, of exquisite colours and shades that glisten in the sunlight like satin. A very satisfactory plant for solid beds or border lines. A rather poor soil will cause it to bloom better than one very rich as this flower is inclined to make a rank growth. They harmonize well with the California poppy (*Eschscholtzia*).

**Brilliant.**—Glowing carmine-rose; very bright and satiny. Pkt., 15 cts.  
**Duchess of Albany.**—Splendid white variety 1 foot. Pkt., 15 cts.  
**Gloriosa.**—Large satiny brilliant blood-red flowers richest colour of all. Pkt., 15 cts.  
**Rosamond.**—A new sort, of dwarf habit and large, glossy shell-pink flowers; makes a beautiful border. Pkt., 15 cts.  
**Mixed.**—All colours. Per pkt., 15 cts.

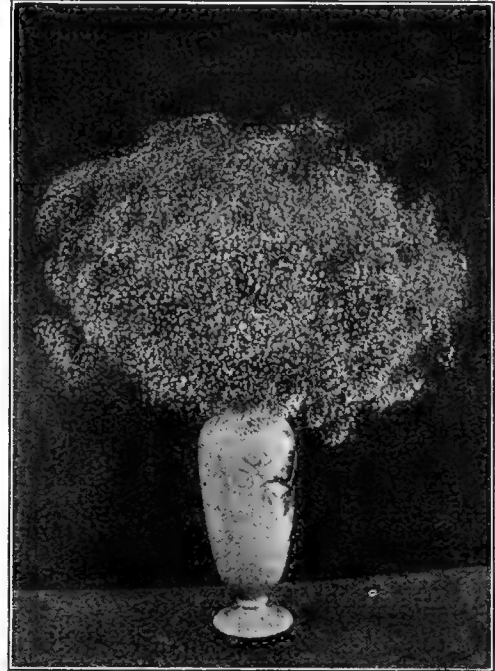
**GLOXINIA.**—A superb genus of greenhouse plants producing magnificent flowers of the richest colours; thrive best in an equal mixture of peat, loam and sand. Sow in March.

**D. & F.'s Prize Strain, Mixed.**—Our strain is unsurpassable by the great size and exquisite brilliancy and beauty of the individual blooms as well as richness of colours and shades of same. Per pkt., 75 cts.  
**Sutton's Giant Mixed.**—Per pkt., \$1.00.

**GREVILLEA, Robusta.**—Beautiful and graceful foliage, highly valued as a decorative plant for the table and when large for tropical lawn effects; tender perennial, 3 to 5 feet. Per pkt., 15 cts.

**GYPSOPHILA.**—A genus of elegant hardy annuals and perennials, bearing numerous tiny flowers on thread-like stalks, making them most useful for cutting purposes. Excellent for their delicate effect in bouquets.

**Elegans Grandiflora Alba.**—A very much improved form; flowers large and pure white; hardy annual, 1½ feet. Pkt., 15 cts.  
**Elegans Carminea.**—A carmine flowering annual, much brighter than *G. Elegans Rosca*, and a great improvement. The plants grow from 10 to 12 inches in height, and are covered with bloom. Very useful for bouquets. Pkt., 15 cts.  
**Paniculata.**—A beautiful perennial, height 2 to 3 feet, flowers pure white, produced in great abundance and exquisite for cut bloom. Pkt., 15 cts.



*Gypsophila Paniculata.*

**Paniculata Flore Pleno.**—(Double Gypsophila).—Of great value as a decorative herbaceous plant and its snow-white flowers for floral work. The flowers also dry exceedingly well and afford excellent material for winter decoration. Seed may be relied upon to produce 50 to 60 per cent. of double flowers. Pkt., 25 cts.

**HELICHRYSUM.**—Few flowers are more easily grown, and none are more useful than the Everlasting, either for outdoor growing in summer or for indoor decoration in winter. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

**Ferguson's Brilliant, Mixed.**—This strain is especially recommended for its brilliancy and distinct shades of colouring. 2 feet. Pkt., 15 cts.  
**Silver Ball.** White.....Pkt., 15c. | **Golden Ball.** Yellow.....Pkt., 15c.  
**Crimson Globe.**....." 15c. | **Rose Queen.** Carmine rose....." 15c.  
**Fire Ball.** Red....." 15c. | **Violet.**....." 15c.  
 A packet each of the 6 colors, 50 cts.

**HEUCHERA, Hybrida Grandiflora.**—The plant is of a robust growth and flowers very freely, bearing large panicles of blossoms of the size of the Lily of the Valley. Hardy perennial. Mixed colours. Pkt., 15 cts.

**Sanguinea.**—Beautiful hardy perennials. The foliage is evergreen, flowers fiery coral, shading to brilliant crimson. Borne on graceful spikes. A charming cut flower. Per pkt., 15 cts.

**HOLLYHOCK.**—In situations suitable for all flowers we know of nothing better than the Hollyhock, and yet the improved varieties do not grow very high, from four to six feet being about the average. New plants are obtained from seed and by dividing the root. Seed sown in the summer will give plants that will endure winter. The plants may be protected during winter with a little straw and evergreen boughs or leaves. Hardy perennial. See also Plant Department.

**Crimson.**.....Pkt., 15c. | **Scarlet.**.....Pkt., 15c. | **White.**.....Pkt., 15c.  
**Rose.**....." 15c. | **Yellow.**....." 15c. | **Maroon.**....." 15c.  
**Extra Choice Double Mixed.**—Per pkt., 15 cts. | **Newport Pink.**....." 15c.  
 Collection of a packet, each of the above 7 colours, 80 cts.

**Allegheny.**—Mammoth flowers, wonderfully formed of loosely arranged fringed petals which look as if made from the finest China silk. The colours vary from the palest shrimp-pink to deep red. The plants are of strong growth, sending up spikes 6 to 7 feet high. Per pkt., 15 cts.

**New Annual Everblooming.**—This is one of the best introductions of late years, Seed sown in the houses in March will produce flowers in July on plants 4 feet high. The plants do not attain their perfection until their second year, when they grow 7 to 10 feet high and flower continuously from June till frost. The foliage is distinct and not subject to any disease. These plants are perfectly hardy and will live longer than the old-fashioned kind. Double mixed. Pkt., 20 cts.



Hollyhock.

**HELIOTROPE.**—One of the finest class of plants for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding. Tender perennial.

**Lemoine's Giant.**—Of robust growth, and produces heads of flowers double the size of the old sort, mixed colours. Per pkt., 20 cts.

**Regal.**—A new variety with immense flower heads of the Giant type, but of dwarf, compact growth, all shades. Per pkt., 25 cts.

**Mixed.**—All colours of the regular type. Pkt., 10 cts.

**HELENIUM, Sneese Wort.**—Strong-growing hardy perennials, succeeding in any kind of soil and useful in any border, giving an enormous crop of flowers in the late summer.

**Riverton Gem.**—Of strong growth, 2½ to 3 feet high. Covered all summer with brilliant flowers which on opening are old-gold suffused with terra-cotta, changing as they mature to a wall-flowered. Pkt., 15 cts.

**Riverton Beauty.**—Similar to the preceding in every way except colour, the petals being a rich lemon-yellow surrounding a large cone of purplish-black; a striking combination. Pkt., 15 cts.

**HIBISCUS, Africanus.**—Robust garden annuals; large saucer-shaped flowers of creamy yellow with purple centre. If sown early will bloom the first year. 2 feet. Pkt., 15 cts.

**Crimson Eye.**—Flowers of the largest size pure white, with a large spot of velvety crimson in the centre; hardy perennial; flowers the first year if sown early. Pkt., 15 cts.

**Grandiflorus Sunset.**—A very beautiful decorative plant for greenhouse or conservatory, with soft clear yellow flowers, fully four inches across, each petal having a conspicuous maroon blotch at its base. Although the individual flowers last only a short time they are produced so freely and in such quick succession that a grand display is maintained for a long time. The plants attain a height of about 3 to 4 feet. Pkt., 25 cts.

**HONESTY Lunaria Biennis.**—Good early-flowering plants; the seed-vessels, which are flat and broad, look like transparent silver, and are very pretty for winter bouquets of dried flowers. Height, 2 feet. Mixed.—Per pkt. 10 cts.



Humulus (Japanese Hop)

**HUNNEMANNIA Fumariaefolia.**—This is by far the best of the Poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with large butter-cup yellow poppy-like blossoms and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Hardy annual. Pkt. 15 cts.

**HUMULUS JAPONICUS.**—(Japanese Hop).—A very ornamental and fast-growing climbing plant. The foliage resembles in shape that of the common Hop, is very dense, and in color a lively green; annual. ¼ oz., 25 cts.; pkt., 10 cts.

**Variegatus.**—A variegated variety of the above. The leaves are beautifully marbled and splashed with silvery-white, light and dark green; very effective for screens, arbors, trellises, etc. As with the green-leaved variety, it is never injured by insects nor affected by the heat, but retains its bright variegated foliage until frost. ¼ oz., 30 cts.; pkt., 10 cts.

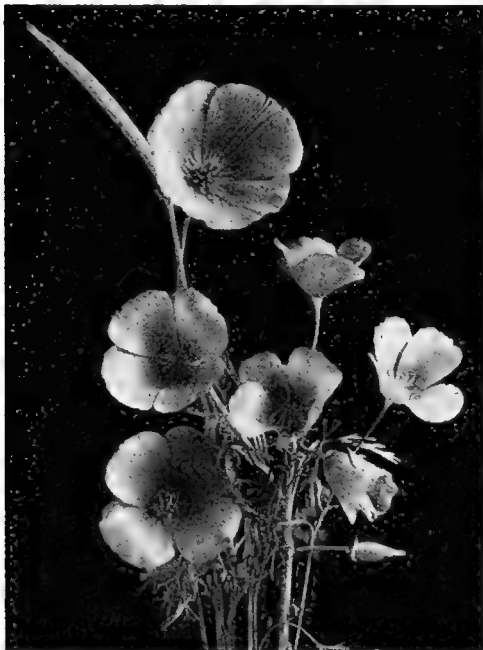
**INCARVILLEA, Delavayi.**—Beautiful hardy perennial plant with long, flexible branches. Forms large roots the first year, which should remain in the ground the next season, and thereafter they throw up large flower stalks, 3 feet high, bearing large tubular flowers of rosy carmine, spotted with yellow; the throat is brown. Per pkt., 15 cts.

**Hybrida Grandiflora**—This plant is a grand improvement on the old I. Delavayi, the flowers being of a much darker carmine, and double in size, besides appearing a fortnight earlier and leaving off flowering four weeks later. Pkt., 25 cts.

**IMPATIENS.**—Charming plants for the decoration of the greenhouse or dinner table, also for bedding out in partial shade, producing bright, waxy-looking flowers profusely and almost continuously. The young seedlings should be carefully handled, as they are exceedingly brittle at the outset.

**Sultana.**—Flowers of brilliant rosy-scarlet colour. Pkt., 25 cts.

**Holstii Hybrids.**—Hybrids of I. Holstii, and like their parent, form strong bushy plants about 2 feet high, covered with attractive flowers, throughout the entire summer and fall. In fact, when grown as pot plants, they bloom the year around. Choicest mixed. 25 cts.



Hunnemannia



**IPOMOEA, Cypress Vine** (*Ipomoea Quamoclit*).—Very popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers, annual. Pkt., 10 cts.  
**Grandiflora (Moon Flower)**.—At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers, 5 to 6 inches in diameter. Grows very rapidly, annual. Pkt., 10c.; oz., 75c.

**JACOBÆA, Elegans Fl. Pl.** (*Senecio*).—For large beds and mixed borders the *Jacobaea* is very effective. Hardy annual. Mixed colours. Per pkt., 10 cts.

**KOCHIA, Tricophylla**.—A pretty half-hardy annual, forming compact bushes about 2½ feet in height, with small feathery light green drooping foliage which changes, as the summer advances, to a deep green and to a crimson hue in September. Very fine specimens have been exhibited in pots, for which it is admirably adapted. Seed may be sown in March, giving the same treatment as for balsam or other similar annuals, care being taken to secure a good drainage, as it is sometimes slow in germinating; or seed may be sown in April, and the seedlings planted out two feet apart in the open border about the end of May. Pkt., 10 cts.

**LAVATERA**.—A very beautiful and showy hardy annual, growing about 2 feet high and covered during the entire summer with large cup-shaped flowers; in a border or bed the effect is very bright. Sow in May where they are to bloom and thin out to 12 inches apart. For winter flowering start seed about August; prick off when ready into two inch pots and pot on as required. Keep close to the glass in cool house. Can be flowered easily in a six inch pot.

**Rosea Splendens**.—Pink. Per pkt., 15 cts.

**Alba Splendens**.—Pure white. Pkt., 15 cts.

**Lavatera Splendens "Sunset."**—This new variety, we claim to be a great advance on any *Lavatera* yet introduced, the charming brightness of its colour, a very deep rose pink, being most effective. The habit of the plant is also an improvement on any other variety in commerce, growing to a height of 2 to 2½ feet, and more compact. Very useful for beds and pots, and as a cut flower it lasts a considerable time. Pkt., 20 cts.

**LINUM, Coccineum** (*Scarlet Flax*).—One of the most effective and showy bedding plants with brilliant scarlet crimson flowers; hardy annual, 1 foot. Pkt., 15 cts.

**LINARIA, Cymbalaria** (*Kenilworth*).—Lavender and purple. A charming neat, hardy perennial trailing plant, suitable for baskets, vases, ports and rock work. Pkt., 15 cts.



Kochia.

**LYCHNIS**.—Handsome hardy perennial plants of easy culture, growing in any rich garden soil; for massing in beds and borders; blooming the first year if sown early.

**Chalcedonica** (*Jerusalem Cross*). Large scarlet flower-heads; 2 feet. Per pkt., 15 cts.

**White**.—Per pkt., 15 cts.

**Haageana**.—Brilliant orange, scarlet, 1 foot. Pkt., 15 cts.

**LYCHNIS ARKWRIGHTII, New**.—A cross between *L. Chalcedonica* and *Haageana*, having the upright habit of *Chalcedonica*, with the flowers of *Haageana*, but very greatly improved. A botanical novelty of great merit and a decided acquisition. Pkt., 25 cts.

**LARKSPUR**.—These are splendid hardy annuals, which when sown in clumps in front of shrubbery make a pleasing effect, and the slender flower-stalks, when cut, are most desirable for vases. Seed should be sown as early in the Spring as possible where they are to flower.

**Double Stock-flowered**.—The finest variety with double flowers. 2½ to 3 feet. splendid spikes of beautiful

Dark Blue.....	Pkt., 10c.	Shell Pink.....	Pkt., 10c.
Lilac.....	10c.	Sky Blue.....	10c.
Carmine.....	10c.	Pure White.....	10c.
Finest Mixed.—All colors.	¼ oz., 25 cts.; oz., 75 cts.;	pkt., 10 cts.	

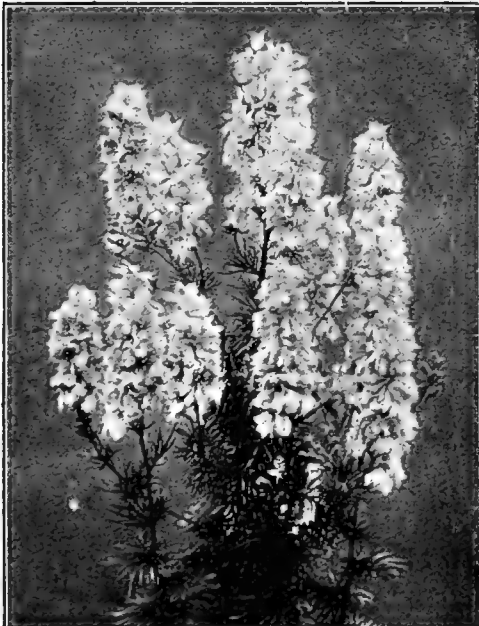
**Collection**.—A packet each of the above 6 colors, 50 cts.

**LATHYRUS**.—(*Everlasting or Hardy Sweet Peas*).—Showy free-flowering hardy perennial climbers for covering old stumps, fences, etc., continually in bloom; fine for cutting

**Lathyrus, Latifolius, The Pearl**.—A grand introduction, with very large, pure white flowers produced in great profusion and twice the size of the old white variety. Hardy perennial Pkt., 15 cts.

**Pink Beauty**.—Rose pink. Pkt., 15 cts.

**Mixed**.—All colours Per oz., 60 cts.; pkt., 10 cts.



Larkspur

**LOBELIA** One of the finest plants for edgings and baskets, all are half hardy annuals excepting *Cardinalis*, which is a hardy perennial.

**"Tenuior Compact" New.**—The one point hitherto lacking in this handsome *Lobelia* has been a really dwarf compact habit, in the forms at present known the flowers being borne too sparsely on the plant. In our new strain the plant does not exceed 4 to 5 inches in height, and produces its large Cobalt blue flowers very freely, the effect of the colour being enhanced by a clear white eye. It should prove of great value for bedding purposes. Pkt., 25 cts.

**Hybrida "Sapphire."**—A splendid hanging *Lobelia* for balconies and flower stands. The blooms are unusually large deep blue with a large white eye—and are thickly set on the long graceful sprays of foliage, which often attain a length of 2 feet. Pkt., 20 cts.

**Tenuior.**—Of upright habit, about 15 inches high, with very large flowers of rich Cobalt blue with white eye. Splendid for pots or bedding. Pkt., 20 cts.

**Emperor William.**—Compact; flowers sky-blue. Per pkt., 15 cts.

**Crystal Palace Compacta.**—Dark blue, the best for edging and carpet-bedding. Seed saved from cuttings. Per pkt., 15 cts.

**White Gem.**—Forms a ball of snow-white flowers, presenting a fine appearance. Per pkt., 15 cts.

**Erinus Gracilis.**—Blue, fine for baskets or trailing purposes. Per pkt., 15 cts.

**Cardinalis Hybrids.**—Flowers large and of splendid shades, of rose, red, lilac, purple, etc., in bloom from July to October; 2 feet. Hardy perennial. Pkt., 50 cts.

**LUPINUS.**—Free-flowering, easily-grown annuals with long, graceful spikes of rich and various coloured pea-shaped flowers; valuable for mixed borders and beds; prefers a little shade from the noon-day sun; 2 feet. Mixed. Per pkt., 10 cts.

**Polyphyllus.**—Effective hardy perennial, succeeding in any good garden soil; blooms in May and June; 3 feet. We offer as under:

Rose.....	Pkt., 10c.	Blue.....	Pkt., 10c.
White.....	10c.	Moerheimi.	Rose and pink. 15c.

A packet each of the 4 sorts, 35 cts.

**Polyphyllus Moerheimi.**—The finest of all hardy *Lupinus*, and offered in seed form for the first time last year. Plants are of robust habit, about 3 feet high, bearing spikes over a foot long of beautiful flowers; in colour and combination of pure white and dark pink. Pkt., 15 cts.

**Perennial Mixed.**—All colours. Per oz., 50 cts.; pkt., 10 cts.

**MALVA, Moschata.**—Hardy perennial. Rose-pink flowers flowering the first season if sown early. 2 feet. June to August. Pkt., 10 cts.

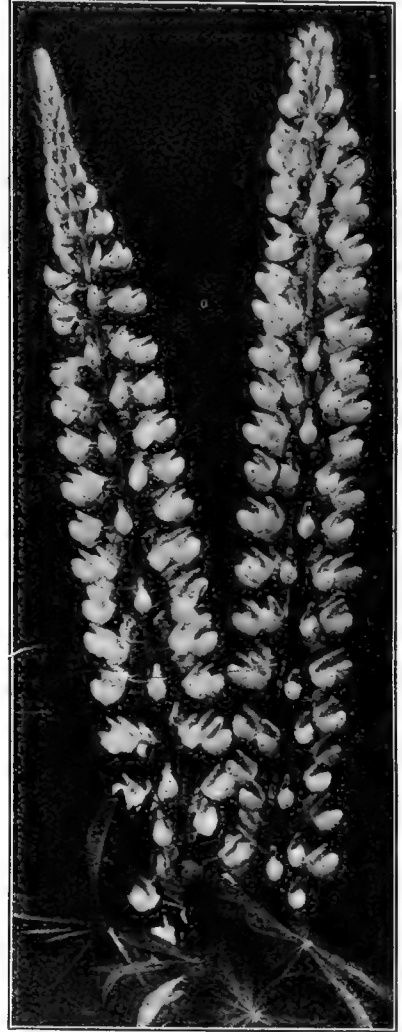
**Moschata Alba.**—Pure white flowers. Pkt., 10 cts.

**MARIGOLD**

Old-fashioned flowers, rich and showy, blooming continually all summer; excellent for bouquets and a beautiful garden plant. Tall African varieties best for garden and cutting, while French varieties are fine for edging. Annual.



African Marigold



Lupinus Moerheimi.

**FRENCH VARIETIES.**

**Dobbie's Selected.**—Neither trouble nor expense is spared to keep these pure. Every seed offered being saved from extra special plants bearing the finest double striped flowers only, and we never had the pleasure of offering better seed than we do this year. Mixed, per pkt., 15 cts.

**Gold Striped.**—Very double, deep brownish red striped yellow; 1 foot. Per pkt., 10 cts.

**Legion d'Honneur (Little Brownie).**—A single flowering Marigold, forming compact bushes 6 inches high. Begins flowering early, commencing in June. The flowers are golden-yellow, marked with a large spot of crimson velvet. Per pkt., 10 cts.

**Double Mixed.**—Pkt., 10 cts.; oz., 30 cts.

**AFRICAN VARIETIES.**

**Dobbie's Selected.**—Guaranteed to have been saved from double striped flowers only. Pkt., 15 cts.

**Orange Prince.**—A high-bred type, bearing densely double flowers of a rich deep golden-orange color; very showy. Pkt., 10 cts.

**Lemon Queen.**—Large lemon coloured flowers. Pkt., 10 cts.

**El Dorado.**—Flowers very large imbricated and extremely double. Colours all shades of yellow. Per pkt., 10 cts.; oz., 30 cts.

**Large African.**—Double, orange and lemon, mixed; 2 to 3 feet. Per ¼ oz., 30 cts.; pkt., 10 cts.

**Single Orange Beauty.**—This is a most desirable new variety, with petals beautifully frilled and evenly arranged, and admired by those who prefer the single form. Pkt., 15 cts.

**MATTHIOLA Bicornis (Evening-scented Stock.)**—15 inches. The flowers in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. Annual. Pkt., 15 cts.

**MATRICARIA Grandiflora Fl. Pl.—Eximia** (Feverfew).—Double pure white flowers are borne on slender stems 15 inches high, which are excellent for cutting. Half-hardy perennial, which should be treated as an annual. Pkt., 15 cts.

**Eximia, Golden Ball.**—Compact growing variety, with golden yellow flowers. Excellent for bedding. 1 foot. Pkt., 25 cts.

**MARVEL OF PERU.**—An excellent flower for the back row in a bed of annuals is the Four O'Clock. It is a tender annual that is always interesting, flowering from July to October in many brilliant colours; grow two to three feet high. Pkt., 10 cts.; oz., 60 cts.

**MAURANDIA.**—These charming climbers cannot be too highly praised for their beautiful flowers and foliage, admirably adapted for hanging baskets, vase and trellis-work. Tender perennial.

**Barclayana.**—Deep violet, 10 feet. Pkt., 15 cts.

**MALOPE.**—Very ornamental hardy annual plants of vigorous growth, branching freely, and producing large flowers of brilliant crimson, or of pearly white. These showy plants are of easy culture, in almost any garden soil, but succeed best in a sandy one, and in a sunny situation. Sow seeds under glass or in the open border.

**Grandiflora.**—Flowers single, rose. Pkt., 10 cts.

**Grandiflora Alba.**—Single white. Pkt., 10 cts.

**MESEMBRYANTHEMUM.**—Dwarf, trailing hardy annuals for rockeries, edgings and vases.

**Crystallinum (Ice Plant).**—Singular icy foliage; flowers white. Pkt., 10 cts.

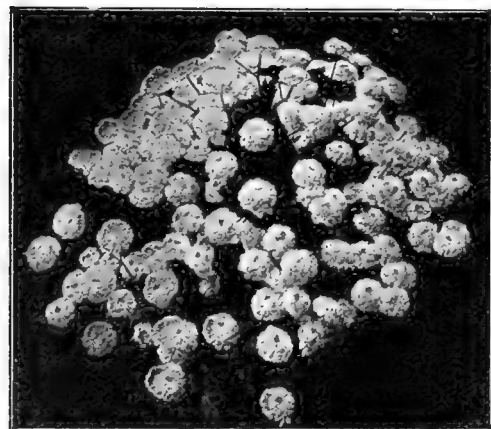
## MIGNONETTE

Seed of Mignonette may be grown at any season so that by having pots prepared at different times a succession of flowers can be secured. Seed sown early in the garden will give flowers throughout summer. Planted in a cool place it will continue to bloom all through the fall.

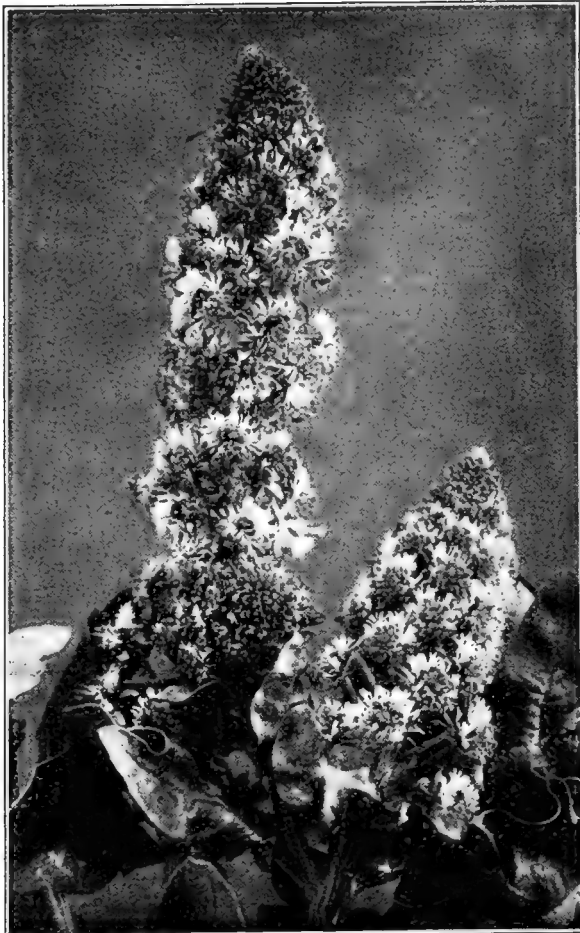
**Dobbie's Giant.**—The largest, most robust, and fragrant variety in commerce, producing in great profusion the largest spikes of flowers yet known many of them measuring from 14 to 18 inches in length, and plants carry, when well-grown, 50 to 60 spikes. Invaluable for competition, cutting or bedding purposes. Pkt., 20 cts.

**Montreal Market.**—This is an extra choice strain of Mignonette for green-house culture. Our seed is green-house grown, raised by a most careful grower. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants having from 3 to 5 shoots to a plant and the spikes measuring from 10 to 18 inches long. Pkt., 25 cts.

**Allen's Defiance.**—Spikes from 12 to 15 inches long, deliciously fragrant, more so than any other variety. Per pkt., 15 cts.; ½ oz., 60 cts.



Matricaria Double White



Mignonette Dobbie's Giant.

**Orange Queen.**—The finest of all midgets. Pkt., 10 cts.; oz., 80 cts.

**Goliath.**—Of strong, yet compact habit, with rich green foliage, the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of colour. Per pkt., 15 cts.

**Giant Midget.**—Plant dwarf and vigorous, producing many large spikes of very sweet-scented red flowers; fine for pot culture. Per pkt., 15 cts.; ½ oz., \$1.00.

**Bismarck.**—The red flowers are larger in every way than those of other sorts; the spikes are very dense; its foliage is distinct, being crinkly, while its odor is strong and most delicious. Pkt. 15 cts.

**White Pearl.**—Large spikes of pure white flowers, very fragrant. Pkt. 10 cts.

**Large-Flowering Pyramidal.**—Flowers large, of a reddish tint; a good variety for the open ground. Per pkt., 10 cts.; oz., 50 cts.

**Sweet-scented (Reseda Odorata).**—The old variety with small spikes, but very sweetly-scented. Per pkt., 10 cts.; oz., 35 cts.

**MIMULUS.**—Admirable pot plants, and equally adapted for the garden. The colour and markings of the large Gloxinia-shaped flowers are rich in the extreme. Half-hardy perennial.

**Superb Prize Strain.**—Containing the most brilliant colours, as well as largest flowers. Per pkt., 15 cts.

**Moschatus (Musk Plant).**—Foliage emits a strong musky perfume, yellow, ½ foot. Per pkt., 25 cts.

**MUSA ENSETE (The Abyssinian Banana Plant).** A foliage plant of magnificent proportions; for subtropical effects on lawns or as specimens in tubs. Per pkt., 25 cts.

**MYOSOTIS (Forget-me-not).**—The Forget-me-nots succeed best in a shady, moist situation; perennials and hardy, if given a slight protection through the winter, bloom the first year from seed if sown early. Fine for edging or in beds with Pansies.

**Ruth Fischer**—The largest and finest Forget-me-Not; flowers measure from 3-8 to 1/2 inch across and are of a lovely sky-blue; of great value for forcing, pot culture or Spring bedding. Pkt., 20 cts.

**Sutton's Royal Blue.**—This is a grand addition. The flowers being of larger size and a deeper blue than any other. Per pkt., 20 cts.

**Robusta Grandiflora "Triumph."**—A new Forget-me-Not, with large blue flowers. Commences to bloom in eight weeks' time. Pkt., 20 cts.

**Disitiflora.**—Large-flowering sky-blue Forget-me-Not. Per pkt., 15 cts.

**Disitiflora Alba.**—Large flowering white variety. Per pkt., 15 cts.

**Alpestris.**—Fine mixed. Per pkt., 15 cts.

**Sutton's Pot Myosotis.**—Forget-me-nots are delightful subjects for flowering indoors at Christmas-time. Sown in June and potted on, the strain we offer produces fine free-growing specimen plants, and a batch should always be reserved for cutting. For table decoration in winter, Forget-me-nots are very telling. Height, 15 inches. Pkt., 75 cts.



Nasturtium.

A list of Peonies covering eighty-five of the finest varieties to date with full description and cultural directions, will be mailed on application.

## NASTURTITIUM

The varieties of the Tom Thumb class are as indispensable as Geraniums for summer decoration of beds and borders. They bloom profusely in any soil for a long period, but exhibit their flowers to the greatest advantage on poor land. Hardy annuals.

### DWARF VARIETIES.

**Queen of Tom Thumbs** (Variegated foliage).—We have much pleasure in now offering this beautiful variegated Nasturtium in mixture. The colours range from the deep Crimson of the parent to yellow, buff and spotted. Very showy. Pkt., 10 cts.; oz., 45 cts.

**Geranium-leaved.**—A comparatively new and very novel sort with heavy rich green Geranium-like leaves. Flowers rich scarlet. Per pkt., 10 cts., oz., 45 cts.

PRICE: Any of the following sorts, 10 cts. per pkt.; oz.: 40 cts.

**Bronze Colored.**—Of a peculiar burnished bronzed color.

**Golden King.**—Golden yellow flowers. Very fine.

**Cloth of Gold.**—Yellow foliage, scarlet flowers.

**Chameleon.**—Mottled crimson, bronze and yellow.

**Crimson.**—Velvety crimson.

**Crystal Palace Gem.**—Sulphur, maroon spots.

**Empress of India.**—Dark leaves, crimson flowers.

**King Theodore.**—Flowers very dark.

**Pearl.**—Light cream.

**Prince Henry.**—Light yellow marbled scarlet.

**Spotted.**—Golden yellow, spotted garnet.

**Regallanum.**—Deep purplish crimson.

**Rose.**—Soft carmine rose.

**Vesuvius.**—Salmony rose, dark foliage.

**Finest Mixed.**—Pkt., 10 cts.; oz., 40 cts.

### TALL OR CLIMBING VARIETIES

**Ferguson's Giant Mixed.**—This mixture cannot be excelled for large size and beautiful colours of the flowers. Composed of the largest and finest varieties. Pkt., 10 cts.; oz., 30 cts.

**Tall, Ivy-Leaved.**—Of strong, vigorous growth; a very attractive vine. Mixed colours. Per Pkt., 10 cts.; oz. 40 cts.; 1/4 lb., 75 cts.

**Tall Queen Hybrids** (Variegated foliage).—We have much pleasure in now being able to offer a really good mixture of this charming section of tall variegated leaved Nasturtium. The mixture comprises 7 or 8 shades, all bright and very effective. The beautiful bright colours mixed with the variegated leaves have a grand effect when grown on arches or trellis work. Pkt., 10 cts.; oz., 40 cts.

PRICE: Any of the following sorts, 10 cts. per pkt.; oz., 35 cts.

**Chameleon.**—Different richly-colored flowers on the same plant.

**Crimson.**—An improved form of a large-flowered crimson nasturtium.

**Dunnett's Orange.**—Deep orange, marked with crimson blotches.

**Fulgens.**—Dazzling crimson, dark foliage.

**King Theodore.**—Very showy; dark-green leaves, with rich velvety-crimson flowers of large size.

**Pearl of Moonlight.**—Creamy white.

**Prince Henry.**—Cream, spotted and tipped scarlet.

**Rose.**—Bright soft rose.

**Schulzil.**—Rosy scarlet, dark foliage.

**Vesuvius, or Salmon Queen.**—Rich deep apricot.

**Hybrids of Madame Gunter.**—A most beautiful strain, flowering profusely, and having a wide range of bright and distinct colourings, embracing rose, pink, salmon, scarlet, velvety dark maroon, light yellow, and deep orange in self-colours, as well as showy striped and blotched. Per pkt., 10 cts.; oz., 40 cts.

**Lobb's Finest Mixed.**—This mixture is composed of the finest and most distinct varieties in this grand free-flowering type. Planted in masses, it will produce most gorgeous and showy effects. Per pkt., 10 cts.; oz., 40 cts.

You miss many a "good treat" if you don't grow some of the rarer vegetables, such as Kohl-Rabi and Celeriac. Kohl-Rabi resembles Cauliflower in taste, and, since it grows quickly, can be had much earlier. Celeriac is simply delicious for flavoring, but there is nothing to compare with Celeriac Salad. Boil the roots in salt water, slice, cool, and serve with vinegar, oil, salt, and pepper.

**NEMESIA, Strumosa Suttoni.**—One of the most beautiful annuals that has ever been introduced. It grows to a height of about 15 inches, and the variation in the colour of the flowers is one of its most interesting features. Pkt., 25 cts.

**NEMOPHILA.**—Splendid hardy annual for garden decoration; bright colored flowers in shades of blue, white and violet. 1 foot. Per pkt., 10 cts.



**NICOTIANA, Affinis.**—Hardy annual, producing fragrant tube-shaped, pure white flowers; 2 to 3 feet. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.

**Sanderae.**—Large carmine red flowers, produced in great abundance on well-branched plants. 2 feet. Pkt., 15 cts.

**NIGELLA, Miss Jekyll.**—Those who require plenty of long-stemmed, graceful flowers of an attractive cornflower-blue should obtain seed of this delightful variety of "Love-in-a-Mist." An annual so easily grown, which produces attractive flowers and graceful foliage too, is bound to become popular. Pkt., 10 cts.

**Miss Jekyll, Pure White.**—Quite a new departure, the well-known Miss Jekyll Nigella in pure white, which stands out bold against the green foliage, and a pretty contrast to the sky-blue of the original variety. Should make a valuable addition to the annual border, most decorative for parlor and florist alike. Pkt., 15 cts.

**Damascena.**—Pretty garden half-hardy annuals, with feathery green foliage on which large, double charming blue or white flowers are set, 1 to 2 feet high. Per pkt., 10 cts.

**NOLANA.**—A pretty trailer, bell-shaped flower, suitable for hanging baskets, etc. Hardy Annual. Grandiflora Mixed. Per pkt., 15 cts.

**PHYSALIS, Francheti.**—Chinese lantern plant. A large and ornamental variety of the Ground Cherry or Strawberry Tomato. The fruits are large, deep red in color, edible and brilliant orange red. A very showy hardy annual. 2 feet. Pkt., 10 cts.

**PERILLA, Nankinensis.**—Ornamental foliage, plants of compact habit; similar to Coleus, with leaves of a black mulberry colour; showy garden annual.  $1\frac{1}{2}$  feet. Pkt., 10 cts.

A list of Gladiolus covering 125 of the finest varieties to date, will be mailed on application.



Nigella

**PENTSTEMON.**—Beautiful hardy perennial; flowers of various rich colours produced on tall spikes. Blooms profusely the same season if sown in heat during February or March. Height, 2 feet.

**Well's Grand Diploma Strain.**—An entirely new race, giving the most glorious combinations of colours in scarlet, crimson, pink and white. The plants grow  $2\frac{1}{2}$  feet high, with flower-spikes 18 inches long, the individual flowers being 2 inches across. A bed of these makes a most brilliant display. Pkt., 25 cts.

**Large Flowering Hybrids.**—Mixed colours. Per pkt., 15 cts.

**POLYANTHUS, Primula Elatior.**—Showy early spring, free-flowering plants, fine for either pot or outdoor culture; hardy perennial.

**English.**—The best single, all colours mixed. Per pkt., 15 cts.

**Gold Lace.**—Very showy and attractive. Per pkt., 25 cts.

**PLATYCODON, Chinese Bell Flower.**—Hardy perennial, bearing large, broad, bell-shaped white or blue flowers; very handsome for garden decoration.  $1\frac{1}{2}$  feet. Mixed colours. Pkt., 15 cts.

**PORTULACA.**—This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Hardy annual.

**Single Rose.**— $\frac{1}{4}$  oz., 30 cts.; pkt., 10 cts.

**Single Scarlet.**— $\frac{1}{4}$  oz., 30 cts.; pkt., 10 cts.

**Single White.**— $\frac{1}{4}$  oz., 30 cts.; pkt., 10 cts.

**Single Yellow.**— $\frac{1}{4}$  oz., 30 cts.; pkt., 10 cts.

**Single Mixed.**—All colors. Per oz., 70 cts.; pkt., 10 cts.

**Collection of 4 single varieties,** 35 cts.

**Double Mixed.**—A large percentage of the flowers will come perfectly double, of the most brilliant scarlet, crimson, white, yellow, etc.  $\frac{1}{4}$  oz., 75 cts.; pkt., 20 cts.

**PUERARIA, Thunbergiana.**—One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms. Pkt., 15 cts.

I bought all my Seeds from you last Spring and was well satisfied, as I had the prettiest garden in the neighborhood.

MRS. THOS. FRASER,  
"Thorndyke Villa," Richelieu Village.



Physalis Francheti.

# PANSIES

Pansies thrive best in a cool, moist, but well-drained soil enriched with well-rotted barnyard manure or fine ground bone. Seeds sown in spring in a partially shaded situation will produce the finest blooms to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring or summer.

**Curled**—(New).—A beautiful new type, flowers finely curled and fibrillated, having the appearance of a double flower. Of various colours, comes very true to type from seed. Pkt., 50 cts.

**Scotch Exhibition Fancy**.—A splendid strain, producing a rich assortment of blooms of large size, excellent substance, and the most beautiful colours; having been carefully hybridized, it will give out many striking novelties; mixed. Pkt., \$1.00  
The best varieties are very shy seeders, hence really good seed is always scarce.

**Ferguson's Giant Show Pansy**.—Saved from a fine collection of named varieties and containing greater variety than any other strain, the best of every type being included. The flowers are large and well formed, and, for brilliancy, variety of colour, and form, are unequalled for either show or decorative purposes; mixed. Pkt., 50 cts.

**French Large Flowering**.—Very fine mixed. All colours of French Pansies. Pkt., 15 cts.

**Good Quality, Mixed**.—Many rich colours. Per pkt., 10 cts.

**Parisian Giant Improved**.—This new strain produces very handsome and beautifully marked flowers. They are of enormous size and in spring-time often measure four inches across. The odour is also so strong that one can fairly call it "Sweet Scented Pansy." Per pkt., 25 cts.

**Eros**.—This novelty produces flowers of a deep velvety brown colour, with a broad golden yellow margin. The chief characteristic of this variety is that the back of each blossom has the same broad margin as the front, making it valuable for bedding. Pkt., 25 cts.

**Bugnot's Superb Blotched**.—Very beautiful class. Large flowers with broad blotches, many having the two upper petals finely lined; great diversity of handsomest and rarest colours. Per pkt., 40 cts.

**Trimardeau**.—Splendid mixed colours. The very best for market gardeners. Pkt., 25 cts.

**Cassier's Giant Blotched**.—Large, rich and showy. Of the popular Odier type; fine form and good substance. Plants neat and compact. Pkt., 50 cts.

**Mme. Perret**.—Distinguished from existing sorts by the great diversity of colours; especially rich in red shades. Pkt., 25 cts.

**Masterpiece**.—A remarkable type, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. All colours mixed. Pkt., 25 cts.

**Emperor William**.—Brilliant ultramarine blue, with purple-violet eye. Pkt., 25 cts.

**Lord Beaconsfield**.—Violet, upper petals shading to white. Pkt., 25 cts.

**Bright Golden Yellow**.—Very fine for bedding. Pkt., 25 cts.

**Odier or Large-eyed**.—Dark spots on petals, large eyes, showy. Pkt., 50 cts.

**Peacock**.—A striking variety; the upper petals being of a beautiful ultramarine blue, while the lateral and lower petals are of a deep claret, with white margins. Pkt., 25 cts.



Ferguson's Giant Show Pansy

**Faust, King of Blacks**.—Almost black; the darkest Pansy known. Pkt., 25 cts.

**Snow Queen (Candidissima)**.—Very large, satiny white, light yellow centre. Per pkt., 25 cts.

**Giant Fire King**.—Mahogany and gold. Per pkt., 25 cts.

**Imported Collection**.—Twelve giant varieties. 75 cts.

**PHYSOSTEGIA, Virginia Rosea Compacta**.—This flowering plant may be classed as one of the finest herbaceous plants for border and for cutting alike. It surpasses the old kind by its compact habit, its size and abundance of flowers. Sown early in spring, it will flower the first summer; perfection, however, is attained in the second year. Pkt., 20 cts.

**PYRETHRUM**.—Handsome herbaceous plants of easy culture. "P. Aureum" is the well-known Golden Feather so much used for carpet bedding, edging, etc. "P. Hybridum" and varieties are amongst the handsomest of hardy flowering herbaceous plants.

**Aureum (Golden Feathers)**.—Bright yellow foliage. Per pkt., 10 cts.; oz., 80 cts.

**Hybridum**.—Hardy perennial, bearing large Aster-shaped flowers, ranging in colours from light pink to deep red, with bright yellow centres. 2 feet. Per pkt., 20 cts.

**Hybridum Fl. Pl.**—Large flowering double mixed. Beautiful colours. 1½ feet. Pkt., 25 cts.



Physostegia Rosea Compacta

I was much satisfied with the Seeds I bought from you last Spring.  
I remain yours truly,

HENRY Z. ARSENEAU,

February 4, 1916.

St. John the Evangelist, P.Q.

# PETUNIA

## Large-Fowering Petunias

**D. & F's. California Giants.**—(Re-selected).—The flowers of this re-selected strain are deep throated and very large; of great excellence and variety; with striped, blotched and self-colourings, and many fine named Giant varieties and Ruffled Giants, etc.  $\frac{1}{2}$  pkt., 25 cts.; pkt., 50 cts.

**Fringed Ruffled Giants.**—This new strain of Ruffled Giants represents the highest type of single Petunias yet offered. The flowers are exquisitely ruffled and fringed, and are of enormous dimensions (4 to 5 inches across), but their great merit lies in the tremendous varieties of colours, markings, veinings, blotchings and stripings, in the most beautiful combinations. Small pkt., 35 cts.; large pkt., 75 cts.

**Grandiflora, Emperor.**—Large blossoms, distinct in form, colour and markings from the foregoing strains. The solid colours are particularly rich and velvety. Some of the crimson blossoms have pink stars, some pure white stars; others are distinctly striped. The finest mixture to be obtained at the price. Pkt., 50 cts.

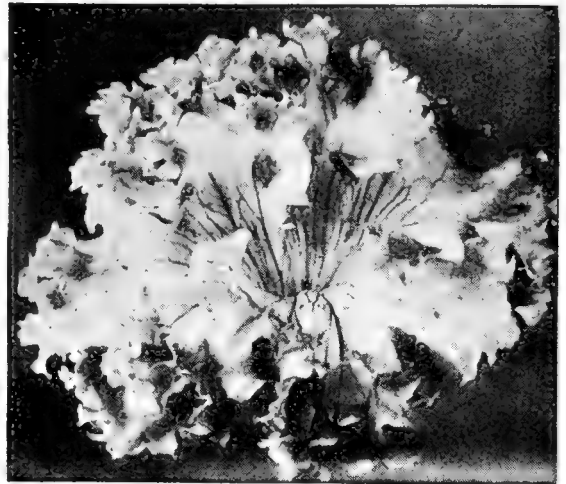
**Large Single Fringed, Mixed.**—P. Hybrid a Grandiflora Fimbriata. Large flowers of various shades, colours and markings, all beautifully fringed. Per pkt., 50 cts.

**Large Double Fringed.**—Large flowers of perfect form and rich colours. Will produce 75% of large double flowers, in all colours, but light shades predominating, a splendid strain, superb. Per pkt., 75 cts.

## Single-Bedding Petunias

**Pride of Portland.**—(New.)—Producing a large deep rose pink well fringed flower, with whitish yellow throat. Combines well in planting with white or royal purple colors. Excellent for potted plants or box planting; also general bedding. Pkt., 60 cts.

**Elks' Pride, New.**—Unusual and striking deep royal purple flower of large size without fringe. Very free grower and makes an exceptionally rich color contrast in mixed planting or combined with light colors. Not especially suited for potted plants but admired by all wherever seen. Pkt., 60 cts.



Petunia Fringed Ruffled Giants

**Rosy Morn.** (New).—Dwarf, bushy plants, bearing in great profusion brilliant rose flowers with a white throat. For greenhouse and conservatory decoration it is most effective, whilst its easy cultivation and profusion of bloom render it invaluable for growing out of doors. Pkt., 25 cts.

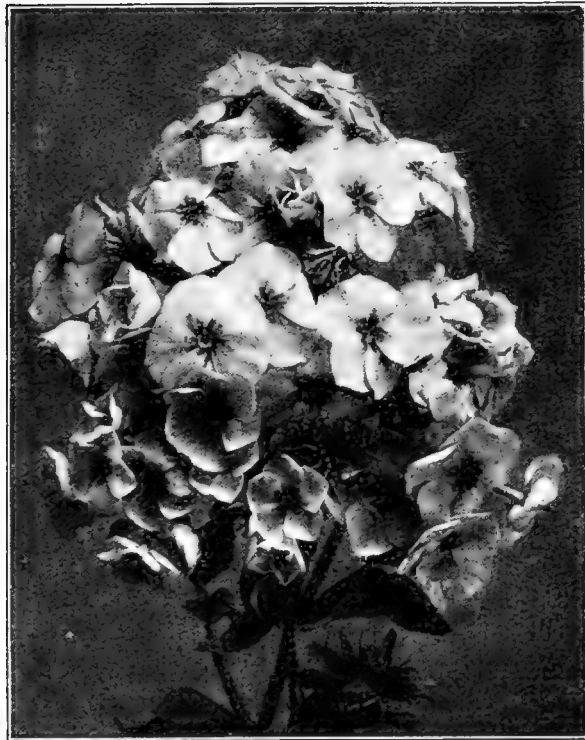
**Brilliant.**—A beautiful and effective variety of compact growth, flowers of a brilliant carmine pink. Pkt., 15 cts.

**Snowball.**—Compact habit; flowers pure white. Pkt., 25 cts.

**Star (Howard's).**—A beautiful variety; produces a profusion of crimson maroon flowers, each having a distinct five-pointed white star. Per pkt., 15 cts.

**Inimitable Compacta.**—Bushy little plants covered with pretty striped and star-shaped flowers. Pkt., 15 cts.

**Special Dwarf Bedding, Mixed.**—Select, bright colours.  $\frac{1}{2}$  oz., \$1.00; pkt., 10 cts.



Phlox Drummondii

## PHLOX DRUMMONDII

Of all summer flowering hardy annuals, the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground in May, or earlier in a hot bed; and in either case from July till frost the plants make a most brilliant show of flowers. Set plants about one foot apart; if too thick they suffer from mildew.

### Select Large-Flowering Tall Varieties

**Mixed Colours.**—Per pkt., 15 cts.; oz., 75 cts.

**Grandiflora.**—The flowers of this section have round petals and larger flowers than the old sorts. Per pkt., 15 cts.; oz., \$1.00.

**Alba.**—Pure white. Per pkt., 15 cts.

**Coccinea, Scarlet.**—Per pkt., 15 cts.

**Isabellina.**—Yellow cream. Pkt., 15 cts.

**Shell Pink.**—Per pkt., 15 cts.

**Stellata Splendens.**—Scarlet with white eye. Pkt., 15 cts.

**Imported Collection of 12 Grandiflora varieties,** 75 cts.

### Large-Flowering Dwarf Varieties.

An excellent, compact strain for pot culture or edgings, blooming early and throughout the season. Large flowers in finest colors; 6 inches.

**Meteor.**—Salmon rose. Per pkt., 15 cts.

**Fireball.**—Fiery scarlet. Per pkt., 15 cts.

**Snowball.**—Pure white. Per pkt., 15 cts.

**Victoria.**—Deep crimson. Pkt., 15 cts.

**Finest Mixed Colors.**— $\frac{1}{2}$  oz., 60 cts.; pkt., 10 cts.

**Star Phlox**—(Star of Quedlinburg).—Of dwarf habit, with very pretty star-shaped flowers. A novel and beautiful variety; mixed colours. Per pkt., 15 cts.

**Double Phlox.**—Especially desirable for cut flowers, lasting better than the single sorts. To produce the best results, they should be grown in a light soil. Finest mixed colours. Pkt., 15 cts.

**Perennial Phlox.**—Hardy herbaceous perennial, all colours mixed, saved from an unequalled collection. Per pkt., 25 cts.

# POPPIES

Good annual varieties of the Poppy are numerous, ranging in size from the little Ranunculus-flowered to the large Pæony-flowered. The plants have strong tap roots, and are difficult to transplant. It is better to sow the seed early in the spring where plants are to flower.

## SINGLE HARDY ANNUAL POPPIES.

**King Edward.**—New large flowering single variety, color deep scarlet to crimson, with large black blotch at base of petals. Pkt., 15 cts.

**Shirley Santa Rosa Strain.**—Seed-grown by Luther Burbank after rigid selection and acknowledged the best and most varied strain in existence. Pkt., 20 cts.

**Shirley Finest Mixed.**—Oz., 75 cts.; pkt., 15 cts.

**Admiral.**—A single Pæony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top.

**Danebrog.**—Large flowers of brilliant scarlet, with a silvery white spot on each petal. Pkt., 10 cts.

**Glaucum (Tulip Poppy).**—Pkt., 10 cts.

**Single Mixed.**—Annual sorts. Oz., 30 cts.; pkt., 10 cts.

## DOUBLE HARDY ANNUAL VARIETIES.

**Double Queen Poppies (New).**—A most lovely strain of hardy annual Poppies, producing in abundance flowers of the Shirley type but double, of the most delicate and brilliant colours, ranging from palest pink through shades of rose and salmon to rosy-scarlet, many charming selfs, others beautifully picoteed various red shades. Height 2 ft. Exquisite as a cut flower. Pkt., 20 cts.

**American Flag.**—White margined orange-scarlet. Pkt., 10 cts.

**Carnation Flowered.**—Finest mixed. Pkt., 10 cts.

**Pæony Flowered.**—Mixed. Pkt., 10 cts.

**Ranunculus, or French, Mixed.**—Pkt., 10 cts.

## HARDY PERENNIAL VARIETIES.

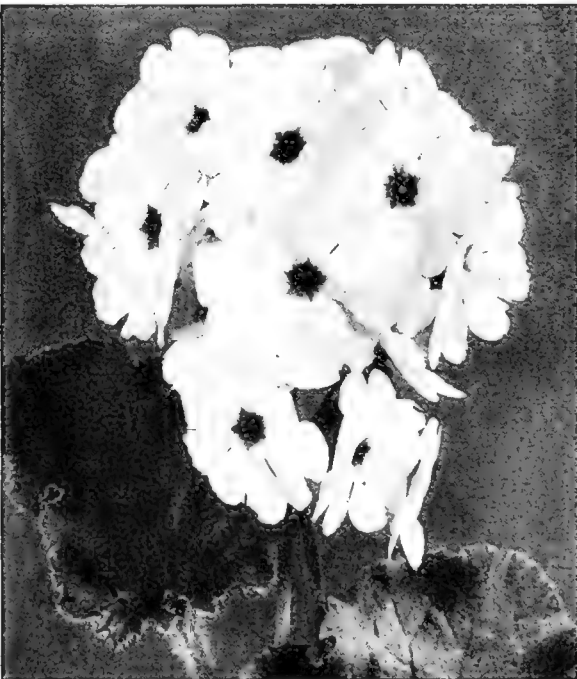
Too much cannot be said of this class of Poppies, as for general effectiveness and brilliancy of display they are unequalled.

**Bracteatum, Scarlet.**—Immense orange-scarlet flowers, very similar to the oriental variety. Pkt., 15 cts.

## ICELAND NUDICAULE.

**Scarlet.**.....Pkt., 15c. | **Yellow.**.....Pkt., 15c.  
**White.**....." 15c. | **Mixed.**....." 15c.

**New Hybrid Iceland.**—The latest development of this lovely species, varying in colour from sulphur yellow through different shades of orange to chamois and salmony-rose, some of which are very striking. Pkt., 20 cts.



Primula, Chinese Primrose.



Oriental Poppy.

**Oriental Poppy.**—For gorgeous colouring the Oriental Poppies have few rivals among hardy plants. Their brilliant flowers produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.

**Beauty of Livermere.**—Crimson, with black blotch, fine large flowers. Pkt., 20 cts.

**Mrs. Marsh.**—Fine large orange scarlet, streaked white, showy Pkt., 20 cts.

**Mrs. Perry.**—Orange apricot, very fine. Pkt., 20 cts.

**Mahoney.**—Maroon shaded crimson. Pkt., 20 cts.

**Princess Victoria Louise (new).**—Bright salmon-scarlet, very fine. Pkt., 20 cts.

**Queen Alexandra (New).**—Bright rosy-salmon, with conspicuous crimson blotch, distinct. Pkt., 20 cts.

**Salmon Queen.**—Salmon-yellow. Pkt., 20 cts.

**Salmandt.**—Magnificent orange-scarlet, the most gorgeous of all. Pkt., 20 cts.

**Mixed Hybrids.**—Saved from a large number of named sorts. Pkt., 20 cts.

## PRIMULA—Chinese Primrose

Sow from March to June for succession. Seeds are slow in germinating. When sowing press the seeds well into the soil, as they are apt to rise to the surface, especially if carelessly watered. Prick off thinly into boxes, and allow them to remain until of good size. Keep well exposed to the light to promote a sturdy growth. From first to last avoid using a close or heavy soil; or shifting them until the pots are well filled with roots. Overpotting and over-watering are the main causes of failure with this class of plant.

**Ferguson's Giant Mixed.**—This mixture contains only the very finest sorts selected from the best strains. For size substance, and beautiful colours this strain is unexcelled. Seed is grown by a specialist in England, who raises nothing but Primulas and who is renowned for having the finest Primulas in the old country. ½ pkt., 50 cts.; pkt., 75 cts.

**Giant Pink.**—A charming and delicate shade of this favourite colour. ½ pkt., 50 cts.; pkt., 75 cts.

**Giant White.**—The acme of perfection, and we fully believe it is the finest in its class. Very compact habit, carrying huge trusses of snow-white flowers. Average size of pip, 2 inches. ½ pkt., 50 cts.; pkt., 75 cts.

**Giant Salmon.**—An exquisite deep shade and most striking under artificial light. Flowers of enormous size. Splendid habit. ½ pkt., 50 cts.; pkt., 75 cts.

**Giant Crimson.**—Brilliant blood red. Very large flowers, and a splendid grower. ½ pkt., 50 cts.; pkt., 75 cts.

**Giant Blue.**—Clear bright blue flowers of the largest size. A telling variety and exceedingly pretty. Very scarce. ½ pkt., 50 cts.; pkt., 75 cts.



## PRIMULA

**Eureka.**—Award of Merit, R. H. S., May 8, 1917.—Eureka is akin to *Obconica*, but of an entirely new form. The compact flower heads have more the appearance of "Sinensis," large well-shaped flowers with broad overlapping petals, and are carried well above the foliage on stout stems, which obviate any necessity for artificial support—are of a rich, rosy carmine, shaded cerise, greatly enhanced by a well-defined clear yellow eye as in *Sinensis*. The foliage is also quite distinct, being a bright, glaucous green in colour, remarkably undulated and frilled, and of wonderful texture. We claim that *Primula Eureka* is quite distinct and will prove a rival to *Sinensis* for general use, and it is practically perpetual flowering. Pkt., 50 cts.

**Obconica Gigantea.**—This new variety is the finest yet introduced; of strong, vigorous growth, with immense heads of large individual blooms; varies in colour from pale lilac to rose. Pkt., 50 cts.

**Obconica Grandiflora.**—A profuse bloomer, bearing on long stems, head containing 10 to 15 flowers. Mixed. Per pkt., 25 cts.

**NEW PRIMULA "Malacoides."**—Very free-flowering species from China and an excellent pot plant for indoor growing; the flowers are  $\frac{1}{2}$  to  $\frac{3}{4}$  inch across, of a light lilac color and will bloom in four months from seed. Pkt., 25 cts.

**Malacoides Superba New.**—A new and improved variety, with larger flowers and better habit than the old sort. It is a deep rosy pink in color, and makes a first-class greenhouse plant for winter decorations. Pkt., 50 cts.

**Malacoides Alba.**—The white variety of the foregoing species and a great acquisition; very chaste and beautiful as a plant or cut-flower. Pkt., 30 cts.

**PRIMULA Kewensis.**—This new variety is most attractive, with pleasing bright yellow flowers borne on long stems. It is delightfully fragrant and stands well as a house plant. Pkt., 35 cts.

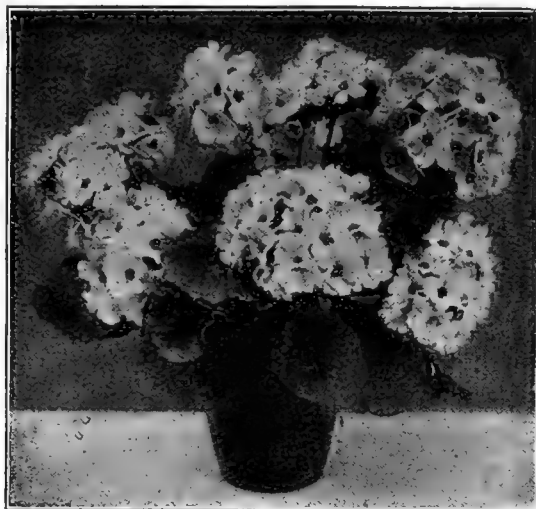
**PRIMULA Forbesii.**—(Baby Primrose).—Splendid little primroses for pot culture, blooming in a few weeks after sowing and continuing for months. Per pkt., 30 cts.

**HARDY PRIMROSES.**—These are amongst the best of the early spring blooming plants.

**Vulgaris (English Primrose).**—Flowers fragrant, canary yellow colour. Per pkt., 25 cts.

**Japonica Hybrids (Mrs. Scott Elliott's).**—This is a very fine strain, and is the result of several years' careful artificial hybridization. The colours range from pure white through all shades of pink to deep crimson. The plants are extremely robust, having flower stems carrying fine heads of bloom, frequently attaining a height of 40 inches. Pkt., 25 cts.

**Japonica (Japanese Primrose).**—Bright and showy flowers, borne in whorls on stems 6 to 9 inches; mixed colours. Per pkt., 15 cts.



*Primula Obconica Gigantea*

**RHODANTHE, Manglesi.**—The section of garden annuals properly known as everlastings embraces many very beautiful flowers among which none are more desirable for garden or pot culture than *Rhodanthe Manglesi*, also called *Helipterum Manglesi*, furnishes a profusion of lovely pink and white blossoms throughout the midsummer season when such are most needed in the border. There should be a place in every garden for *Rhodanthe Manglesi*. Hardy annual. Pkt., 15 cts.

Mixed Varieties. Pkt., 10 cts.

## RICINUS, Castor Oil Plant

Large, luxuriant, rapid-growing annuals, with palm-like leaves; much used for sub-tropical effects on the lawn or for centres of beds of foliage plants.

**Borboniensis.**—15 feet. Immense foliage. Per pkt., 10 cts.; oz., 30 cts.

**Cambodgensis.**—Leaves bronzy maroon, with red veins, stems black. Per pkt., 10 cts.; oz., 30 cts.

**Gibsoni.**—Branching habit, deep red foliage. Pkt., 10 cts.; oz., 30 cts.

**Sanguineus.**—Blood-red stalks and clusters of red fruit; 8 feet. Per pkt., 10 cts.; oz., 30 cts.

**Mixed.**—Many choice varieties. Per pkt., 10 cts.; oz., 25 cts.

**Philippensis.**—A variety from the Philippines, with beautiful gigantic foliage. 10 feet. Per pkt., 10 cts.; oz., 30 cts.

**Zanzibariensis.**—Surpasses all in size and beauty of colours, which include glaucous green, coppery brown, metallic red, brownish-purple, red-maroon and bronze, 8 to 15 feet. Per pkt., 10 cts.; oz., 30 cts.

**Rose Dwarf Polyantha or Fairy Rose.**—Roses from seed the first year. Seed sown in February in the house may be had in bloom in June in the open ground, where they continue to bloom throughout the season. The plants are dwarf and bushy, growing only about 1 foot high and very pretty for solid beds and borders. Pkt., 20 cts.; 3 for 50 cts.

**RUDBECKIA, Bicolor Superba.**—A garden annual about 2 feet high, long-stemmed, golden-yellow flowers with maroon spots, effective and fine for cutting. Per pkt., 10 cts.

**Newmani.**—Hardy perennial. Flowers golden-yellow, with dark maroon centre. 3 feet. Pkt., 15 cts.

**Purpurea.**—Reddish purple flowers during summer. 3 feet. Hardy perennial. Pkt., 15 cts.



*Ricinus*

A list of Gladiolus covering 125 of the finest varieties to date, will be mailed on application.

**SALVIA** Well-known, bushy garden plants about three feet high, producing in the fall immense quantities of dazzling scarlet flowers, very effective for beds and massing on the lawn. Blooms the first season from seed. Tender perennial.

**Ball of Fire.**—A compact type of Scarlet Sage and popular for beds or borders requiring a variety dwarfer in habit than the regular Scarlet Sage or the variety "Bonfire." Pkt., 15 cts.

**Canary Bird.**—A novel variety of the popular Scarlet Sage, producing good spikes of clear yellow flowers, which contrast nicely with the dark green of the foliage, and a splendid companion to the many scarlet varieties. Pkt., 25 cts.

**Salvia "Zurich."**—One of the best novelties of recent years Compact and rather dwarf of growth this grand new Salvia produces thick flower-spikes as early as July 15 and stays in bloom until the frost kills it, increasing in brilliancy and size as its growth progresses. Pkt., 15 cts.

**Bonfire.**—A splendid dwarf variety with large erect spikes of rich scarlet flowers. Height, 2 feet. Pkt., 15 cts.

**Patens.**—Flowers bright blue; of large size. 2 feet. Per pkt., 15 cts.

**Aurea Grandiflora.**—A hardy perennial variety, producing during August and September long spikes of pretty sky blue flowers in great profusion. 2 to 3 feet. Pkt., 25 cts.

**SCHIZANTHUS, Wisetonensis Hybrids.**—One of the finest strains of large-flowered hybrids in existence, embracing a wide range of colours from almost pure white through delicate shades of pink to bright rose and crimson, also exquisite mauve and lavender tints, many beautifully blotched and pencilled various darker shades, including bronze and chocolate. Fine compact habit. Pkt., 50 cts.

**Sutton's Large-flowered Compact Hybrids.** Mixed colours. Pkt., 80 cts.

**SENSITIVE PLANT.**—Curious annual; the leaves instantly close up when touched. A neat plant for either pot or garden culture. 2 feet. Pkt., 10 cts.

**SMILAX.**—A popular and well-known climber, foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture. Per pkt., 10 cts.; oz., 60 cts.

**SCABIOSA** (Mourning Bride or Sweet Scabious).—One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colours: a splendid flower for table bouquets, etc. See 1 can be sown any time in the spring after danger of frost is past. Hardy annual.



Salvia

**IMPROVED LARGE-FLOWERING**

- Azure Fairy**—Clear lavender-blue. Pkt., 10 cts.
- Crimson.**—Rich Rosy Crimson. Pkt. 10 cts.
- Flesh Pink.**—Delicate tone of Pink. Pkt. 10 cts.
- King of the Blacks.**—Velvety Black Purple. Pkt. 10 cts.
- Red.**—Pkt. 10 cts.
- Rose.**—Soft rose color. Pkt., 10 cts.
- White.**—Pure White. Pkt. 10 cts.
- Collection of a packet each of the 7 colors, 60 cts.**
- Mixed.**—All colors of the Improved Large-Flowering. Per 1/4 oz. 30 cts.; per oz. 60 cts.; Pkt. 10 cts.



Scabiosa

**Caucasica Perfecta.**—A new marvellous variety with large, mostly semi-double flowers of a noble form and a soft pale blue colour varying to the darkest colours, hardy perennial. Per pkt., 25 cts.

**SHAMROCK, True Irish.**—This is the genuine Shamrock and is gathered by a connoisseur on the native land; an excellent pot-plant. Pkt., 10 cts.

**SOLANUM, Capsicastrum** (Jerusalem Cherry).—There is always a demand for red berried plants around Christmas and this is the most popular of all. Sow early to get good-sized plants. Pkt., 10 cts.

**STOKESIA, Cyanea.**—One of the most beautiful of our hardy native flowers, grows about 24 inches high, each plant bearing from 20 to 30 handsome lavender blue corn-flower-like blossoms; in bloom from July till frost; most durable. Per pkt., 15 cts.

**STEVIA, Serrata.**—Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming; largely used for cutting. Greenhouse perennial. Per pkt., 15 cts.

**STREPTOCARPUS.**—A charming novel greenhouse perennial of dwarf neat habit, now in universal demand, bright, cheerful, lasting. Sow in pans of rich soil in early Spring, in heat, and pot off into small pots when large enough to handel. Keep the seed pan moist.

**Streptocarpus, Rose Queen.**—The finest rose pink Streptocarpus in cultivation, the flowers are of enormous size and of delightful rose pink self color with white throat. This is a great acquisition and come true from seed. Pkt. 75 cts.

**Streptocarpus, Southgate Mauve.**—A Giant variety of the same habit as "Rose Queen." A beautiful soft mauve self color. Pkt. 75 cts.

**Streptocarpus, Southgate White.**—A Grand pure white variety, fine erect bold flowers, good substance, come true from seed. Pkt. 75 cts.

In the case of very hard-shelled seeds it will be found a good plan to steep them in tepid water for some hours previous to sowing, as this will hasten their germination.

# SWEET PEAS

Grand New Gigantic "Orchid-Flowered"  
Sweet Peas of the "Spencer" Type.

## RECENT NOVELTIES OF HIGH MERIT

**The President.**—The most brilliant, rich, dazzling orange-scarlet Sweet Pea in existence, equal in color to the Oriental Poppy, a robust grower, producing in abundance flowers of largest size and best form, perfectly placed on stout stems, 16 to 18 inches long. Pkt., 25 cts.; oz., \$1.10.

"Horticultural Advertiser" says:—"The President was the star of the lot, a glowing orange-scarlet, almost self, plenty of size and substance."

J. B. R. in "Nurseryman and Seedsman," says:—"The President was simply glorious. It is head and shoulders above anything of a similar color."

Alex. Malcolm, the noted Scotch raiser of new Sweet Peas, says:—"One thing is certain, it will be in every garden where Sweet Peas are grown, unless the grower is color-blind."

**New Buttercup.**—Fine deep cream and the nearest approach to a yellow yet introduced, it being deeper in color than Dobbie's Cream, having immense frilled blossoms, bearing four blossoms to a stem, duplex. White seeded. Pkt., 25 cts.; oz., \$1.10.

**Edward Cowdy.**—Bright orange-scarlet. A most brilliant variety, which we recommend for exhibition or garden decoration. Per pkt., 25 cts.; oz., \$1.10.

**Dobbie's Cream.**—Intensely waved, of a deep cream shade, without doubt one of the finest cream Spencers. Per pkt., 25 cts.; oz., \$1.10.

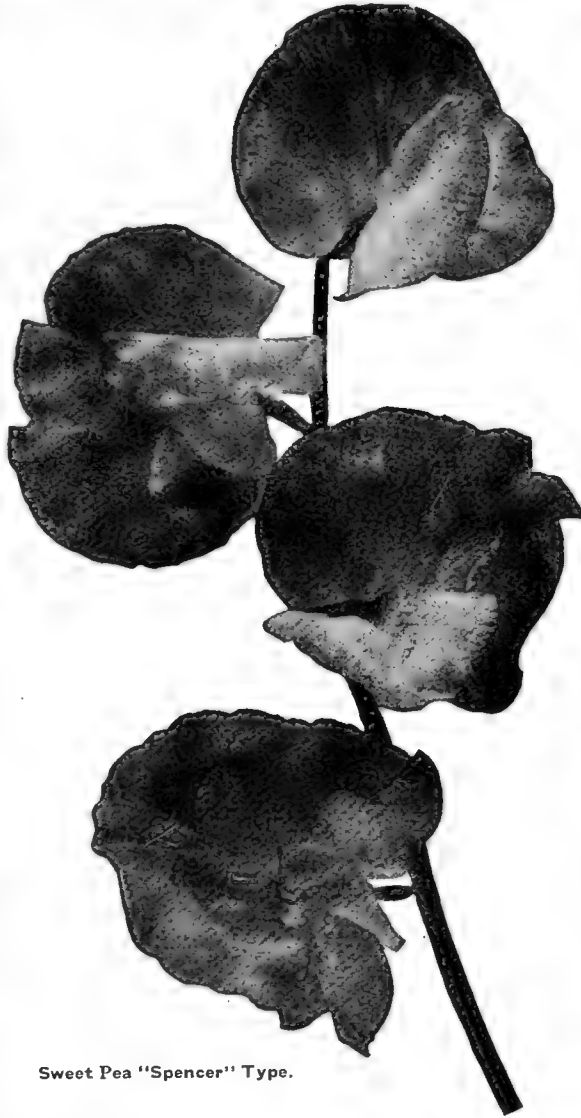
**King White.**—One of the largest pure whites; the lovely frilled form and substance of the flower are all that can be desired. The plant is extremely vigorous and produces four flowered sprays in profusion. Per pkt., 25 cts.; oz., \$1.10.

**Lavender George Herbert**—(Dobbie's Fixed Stock). —One of the best of the lavender varieties, grand for exhibition and garden decoration; strong grower, gives plenty of fours; the colour is bluish lavender. All keen growers must include this variety in their collection. A.M., R.H.S., 1912. Per pkt., 25 cts.; oz., \$1.10.

**King Manoel.**—Giant chocolate maroon self. This we think one of the largest and best maroon Spencers. The flowers are usually well placed and are of splendid form and size. Pkt., 25 cts.; oz., \$1.10.

**Warrior.**—A distinct advance in the dark maroon section. Color rich reddish maroon, flushed with bronze. The flowers are of great size, perfectly formed, and beautifully placed. A welcome addition to this class. Pkt., 25 cts.; oz., \$1.10.

**Illuminator.**—The colour may be described as rich cerise pink, flushed salmon. It is richer and deeper in colour than "Edith Taylor," which it also surpasses in size and substance of flower. This is a good pea for table decoration. Per pkt., 25 cts.; oz., \$1.10.



Sweet Pea "Spencer" Type.

**Hercules.**—Giant bright pink. Quite the largest of the section, demanding the attention of every exhibitor. Per pkt., 25 cts.; oz., \$1.10.

**Margaret Atlee.**—This is a variety of great merit; colour rich glowing pink on cream suffused with salmon; a much improved **Constance Oliver**. The flowers are of largest size and exquisitely waved; gives plenty of fours and duplex blooms on long stems. Per pkt., 25 cts.; oz., \$1.10.

**Robert Sydenham.**—This grand new variety is one of the most striking novelties introduced for many years; in colour a rich glowing orange self, the wings and standard being of the same shade. It has a vigorous constitution; flowers of true Spencer form and of large size, both standard and wings being beautifully waved. Pkt., 25 cts.; oz., \$1.10 cts.

**Rosabelle.**—The largest and most wavy rose-coloured Sweet Pea. The flowers are beautifully placed and four-bloomed sprays are abundant. For garden decoration it is unique. As an exhibition variety its merits are outstanding. Per pkt., 25 cts.; oz., \$1.10.

**R. F. Felton**—A large and distinct lavender; wings suffused with French grey; flowers of good form and often five on a stem. Award of Merit N.S.P.S., and R.H.S. Per pkt., 25 cts.; oz., \$1.10.

**Royal Purple.**—Rich Royal Purple, strong grower with beautifully formed flowers, extra long stems. This we consider the best novelty seen last year. Pkt., 25 cts.; oz., \$1.10.

**Wedgewood.**—This is appropriately named as the colour is an unique shade of Wedgewood blue. It is free from the purple shading found in "Flora Norton Spencer" and others of that type, and the flowers are much larger. Per pkt., 25 cts.; oz., \$1.10.

**Fiery Cross.**—"Fiery Cross" has all the appearance of live fire, the colour being a scorching fire-red, or scarlet, and which scintillates, and glitters in bright sunlight, thus adding a glowing fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch or burn even during extended periods of intense sunshine. Pkt., 25 cts.; oz., \$1.10.

**New Miriam Beaver.**—Bright apricot pink on a primrose ground—a little deeper at the margins and showing pure primrose at base of petals. Perfect Spencer form, four blossoms on a stem, all gracefully set. Per pkt., 25 cts.; oz., \$1.10.

**Vermilion Brilliant.**—The flowers are of perfect form. The bold, erect standard is well waved and fluted, of large size, beautifully rounded, and finishing well below the keel. The wings are of the same intense pure scarlet, making a uniform self-colour throughout and entirely sunproof. Pkt., 25 cts.; oz., \$1.10.

# Gigantic "Orchid-Flowered" SWEET PEAS of the "Spencer" Type

## CREAM OR LIGHT YELLOW

**PRIMROSE SPENCER.**—Morse's Extra Selected Strain. The finest of its class, clear, primrose self of best Spencer form, beautifully waved, flowers large and mostly four blossoms on each stem. Per pkt., 25 cts.; oz., \$1.00.

**DOBBIE'S CREAM.**—See Novelties of High Merit (page 60).

**NEW BUTTERCUP.**—See Novelties of High Merit (page 60).

**NEW MIRIAM BEAVER.**—See Novelties of High Merit (page 60).

## WHITE

**CONSTANCE HINTON.**—The most important introduction in years of strong, vigorous growth, with enormous wavy, white flowers, frequently  $2\frac{1}{2}$  inches across, which are borne on sprays of fours, and often fives, on long, strong stems. This variety is black seeded, which means that it is easy to germinate. Per pkt., 20 cts.; oz., \$1.00.

**WHITE SPENCER.**—The best Spencer white. Flowers very large and of magnificent Spencer form. Stems as a rule carry four blossoms. Per pkt., 20 cts.; oz., \$1.00.

**KING WHITE.**—See Novelties of High Merit (page 60).

## PINK AND WHITE

**APPLE BLOSSOM SPENCER.**—Very large bold flower of best Spencer form. Standard very bright rose, wings primrose with flush of rose tint. A grand robust variety. Per pkt., 20 cts.; oz., \$1.00.

**BLANCHE FERRY.**—Rose standard and wings white suffused and tinted with light pink. Pkt. 20 cts.; oz., \$1.00.

**MRS. CUTHBERTSON.**—One of the most pleasing Sweet Peas. Standard clear rose pink, wings white with faint flushing of pale rose pink. Very strong and vigorous. Per pkt., 20 cts.; oz., \$1.00.

## BLUSH

**FLORENCE MORSE SPENCER.**—Standard richly flushed with a beautiful and distinct shade of pink; wings soft blush-pink, giving the flower a charming appearance; very large and wavy. One of the prettiest of Sweet Peas. Per pkt., 20 cts.; oz., \$1.00.

**EDWARD COWDY.**—Glowing orange scarlet. A flower of great substance, the broad spreading and beautifully waved standard frequently measures two and one-half inches in diameter. Pkt., 20 cts.; oz., \$1.00.

## RED SHADES

**KING EDWARD SPENCER.**—The best pure red Spencer, very large, with especially immense wings. Every one should grow this variety. Our strain is quite sunproof. Per pkt., 20 cts.; oz., \$1.00.

**VERMILION BRILLIANT.**—See Novelties of High Merit (page 60).

## PINK SHADES

**COUNTESS SPENCER.**—The original giant-flowered Spencer with fine waved standard and wings clear pink, deepening somewhat towards the edge, but almost self-coloured. Still one of the best Sweet Peas of to-day. Per pkt., 20 cts.; oz., \$1.00.

**DORIS USHER.**—A most lovely shade of salmon-pink on cream ground. The flowers are of largest size, freely borne, four on a stem. A splendid exhibition variety, while in conjunction with a good lavender—such as "Orchid," it creates a charming combination for table decoration. Pkt., 20 cts.; oz., \$1.00.

**EDITH TAYLOR.**—A variety of surpassing beauty which may be described as a soft, salmon-rose self, of nearly the same shade in both standard and wings. The flowers are of largest size and best Spencer type. Pkt., 20 cts.; oz., \$1.00.

**ELFRIDA PEARSON.**—Giant blush-pink flowers on extremely long stems, always borne in fours. One of the best in cultivation. Pkt., 20 cts.; oz., \$1.00.

**MRS. HUGH DICKSON.**—One of the most attractive and pleasing varieties. The flowers are very large and are elegantly carried, usually four together on a long, strong stem. The coloring is apricot on a cream ground, shading off rather lighter toward the center of the flower. Pkt., 20 cts.; oz., \$1.00.

## BUFF PINK

**CONSTANCE OLIVER.**—Cream ground, beautifully suffused with pale orange pink. A vigorous grower, flowers large and wavy. Per pkt., 20 cts.; oz., \$1.00.

## SALMON SHADES

**BARBARA.**—A superb salmon-colored self that makes a "telling" bunch either for exhibition or table decoration. Pkt., 20 cts.; oz., \$1.00.

**HELEN LEWIS.**—A very large and fine orange salmon pink, with especially bright orange standard, to each stem. Per pkt., 20 cts.; oz., \$1.00.

**THOMAS STEVENSON.**—Brilliant orange scarlet; standard has more orange than wings. Flowers splendid form and vines very vigorous. Should be shaded to get best colour. Per pkt., 20 cts.; oz., \$1.00.

**ILLUMINATOR.**—See Novelties of High Merit (page 60).

**THOMAS STEVENSON.**—Intense flaming orange; wings rosy-carmine, shaded orange. Pkt., 20 cts.; oz., \$1.00.

## ROSE CRIMSON

**GEO. HERBERT.**—A large Spencer rose crimson, suffused with magenta and showing veins in wings. Per pkt., 20 cts.; oz., \$1.00.

**ROSABELLE.**—See Novelties of High Merit (page 60).

## LAVENDER SHADES

**ASTA OHN.**—The best lavender Sweet Pea. Is more truly a soft pinkish lavender self. Flowers are very large and beautifully waved. A very charming variety. Per pkt., 20 cts.; oz., \$1.00.

**MARGARET MADISON.**—Very pale, clear azure-blue. An improved strain of this beautiful variety. Pkt., 20 cts.; oz., \$1.00.

**FLORENCE NIGHTINGALE (Burpee's).**—A soft, clear, rich lavender, enlivened by a very faint sheen of rose-pink. Pkt. 20 cts.; oz., \$1.00.

**R. F. FELTON.**—See Novelties of High Merit (page 60).

## BLUE AND PURPLE

**CAPTAIN OF THE BLUES.**—Pure purple. The margin of the petals is marbled. Very large and distinct. Per pkt., 20 cts.; oz., \$1.00.

**ROYAL PURPLE.**—See Novelties of High Merit (page 60).

**WEDGEWOOD.**—See Novelties of High Merit (page 60).

## MAROON

**MARKS TEY.**—A flower of great size. The standard is rich, rosy-maroon; the wings are bluish-mauve. A vigorous grower, producing four-flowered sprays most profusely. Splendid for exhibition. Pkt., 20 cts.; oz., \$1.00.

**NUBIAN.**—Deep chocolate self; one of the best. Pkt., 20 cts.; oz., 1.00.

**OTHELLO SPENCER.**—Of immense size, with large drooping wings, rich maroon, very dark and adapted for many attractive combinations. One of the best dark Sweet Peas. Per pkt., 20 cts.; oz., \$1.00.

**WARRIOR.**—See Novelties of High Merit (page 60).



Gigantic "Orchid-Flowered" Sweet Peas of the "Spencer" Type.—Continued.

FLAKED AND STRIPED

**AMERICA SPENCER.**—White ground, heavily striped and flaked with bright crimson scarlet. A large, bold flower of splendid form. Per pkt., 20 cts.; oz., \$1.00.

**AURORA SPENCER.**—Flowers white, mottled and flaked with bright orange pink. Splendid Spencer form and nicely waved. A very pretty flower and one of the finest and largest Spencers. Per pkt., 20 cts.; oz., \$1.00.

**SENATOR SPENCER.**—A very large and attractive Spencer variety. Chocolate and seal brown, striped, flaked, and mottled on ivory white; very distinct and novel, and one of the very largest in size. Per pkt., 20 cts.; oz., \$1.00.

PICOTEE EDGED

**DAINTY SPENCER.**—Very large Spencer, splendid form, white ground, with beautiful picotee edge of rose pink. Per pkt., 20 cts.; oz., \$1.00.

**MRS. C. W. BREADMORE.**—Creamy buff ground, beautifully edged with rose pink. One of the best varieties; flowers large and of best Spencer form; very vigorous. Per pkt., 20 cts.; oz., \$1.00.

Ferguson's—Waved or Countess Strain Mixed Sweet Peas

The mixture par excellence, comprising only the finest and most distinct varieties, every one of which has the well-known way standard and wings of the true Spencer type. This mixture is made up by ourselves and is one of the most superb combinations ever offered. Pkt., 15 cts.; oz., 50 cts.; ¼ lb., \$1.50; lb., \$4.50.

Ferguson's "1921 Exposition" Collection

Fourteen of the finest giant exhibition sorts in one grand collection, \$2.50

**New Buttercup.**—Fine deep cream, the nearest approach to a yellow.

**Rosabella.**—Best light rose colored.

**Edward Cowdy.**—Best orange-scarlet.

**Elfrida Pearson.**—Extra large shell-pink.

**Illuminator.**—Beautiful salmon orange

**Hercules.**—Mammoth rosy pink.

**Constance Hinton.**—Largest black seeds, white variety.

**Margaret Madison.**—Finest azure blue.

**Margaret Atlee.**—Giant rosy pink on cream.

**New Miriam Beaver.**—1916 novelty and best light cream pink.

**Warrior.**—Rich chocolate maroon.

**R. F. Felton.**—Best lavender.

**Royal Purple.**—Best purple.

**Fiery Cross.**—Beautiful orange cerise.

GRANDIFLORA SWEET PEAS

PRICE: Any of the following, 10 cts. per pkt.; 40 cts. per oz.; \$1.25 per ¼ lb.; \$3.75 per lb.

**Aurora.**—Orange-rose, striped on white.

**Blanche Ferry.**—Extra early; pink and white.

**Captain of the Blues.**—Standard purple blue; wings bright blue.

**Dorothy Eckford.**—Fine pure white; large.

**Flora Norton.**—A new variety; bright sky blue.

**Hon. Mrs. S. Kenyon.**—Primrose; a very excellent sort.

**Janet Scott.**—Deep bright pink.

**Helen Pierce.**—Blue mottled on white.

**King Edward VII.**—Scarlet; very large.

**Lady Grisel Hamilton.**—Standard mauve, wings lavender; flowers extra large.

**Prima Donna.**—The softest clear pink self

**Miss Willmott.**—Standard orange pink. Wings rose, tinted with orange. The best orange pink. The large semi-hooded flowers are borne on long stems.

**Lord Nelson.**—The best dark blue. Distinct and a vigorous grower.

**Black Knight.**—An exquisite shade of mauve.

**Mrs. W. Wright.**—A pretty mauve shade.

Ferguson's Quality Mixture

Containing all the leading and most distinct varieties of Sweet Peas, but not including the Spencer Hybrids. This mixture is made by ourselves, and great care is taken not to have a preponderance of any one colour. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.50.

NEW EARLY FLOWERING SPENCER SWEET PEAS

These new varieties are fixed and true to type and color, and blossom in from 90 to 100 days from the time of planting.

We are giving these new early varieties the same name as the varieties of the late flowering types with which they are identical in color, adding the prefix EARLY FLOWERING.

**Asta Ohn.**—Identical in color and size of blossom to the late flowering Asta Ohn; a fine lavender.

**Heather Bell.**—Flowers large, borne in threes and fours on long stout stems. Color a rich mauve lavender.

**Hercules.**—Flowers are of extra large size, of good substance and beautifully waved; color soft rose pink.

**Liberty.**—A rich, deep sunproof crimson. Flowers large and well waved.

**Meadow Lark.**—A rich cream variety; many of the flowers are duplexed, and borne in fours and threes.

**Morning Star.**—Deep orange scarlet or flame color in standard, with rich orange pink wings.

**Song Bird.**—A magnificent pale pink variety.

**Songster.**—An excellent variety; color, a pleasing lavender shade, flowers large and nicely waved.

**Venus.**—Standard white, slightly blushed pink; wings white; free bloomer.

**Warbler.**—Flowers extra large and beautiful in form; color, rich mauve purple.

**White Orchid.**—Pure white.

**Yarrowa.**—Flowers exquisitely waved, of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings.

Price. Any of the above 25 cts. per pkt.; \$1.50 per oz.

Collection containing a packet of each of the above twelve sorts for \$2.00.

**Early Mixed.**—A splendid mixture containing all of the above colors as well as some others. 20 cts. per pkt.; \$1.00 per oz.

# SALPIGLOSSIS

One of the greatest favourites among annuals. It has attained this position partly by its ease of culture, but chiefly on account of the beauty of its orchid-like flowers. The flowers have dark veins on a ground which varies from white to crimson, yellow, orange, or purple. Seed should be sown early in the spring in a hotbed or window and transplanted out of doors after danger of frost.

**Orchid Salpiglossis.**—This is a splendid strain of these beautiful annuals. The immense Petunia-like flowers are borne on dwarf, sturdy branching plants, not exceeding 24 inches in height, that do not require staking. The colours, red, blue, yellow, pink, etc., in various shades, are intricately netted, pencilled and veined with golden-yellow or other colours. They are of the easiest culture and flower profusely during the summer. A bed of Orchid Salpiglossis in flower is strikingly beautiful. The long-stemmed flowers are also fine for cut flower decorations.

Pkt.	Pkt.
Crimson and Gold . . . . . 15c.	Rose and Gold . . . . . 15c.
Primrose . . . . . 15c.	Scarlet and Gold . . . . . 15c.
Purple and Gold . . . . . 15c.	White and Gold . . . . . 15c.
Collection of a packet each of the above 6 sorts . . . . . 75c.	
Orchid Finest Mixed. All colors. } oz. 60 cts. . . . . 15c.	
Large Flowering Mixed.—A splendid variety of colours, flowers of large size. Per pkt., 10 cts.	



Orchid Salpiglossis.

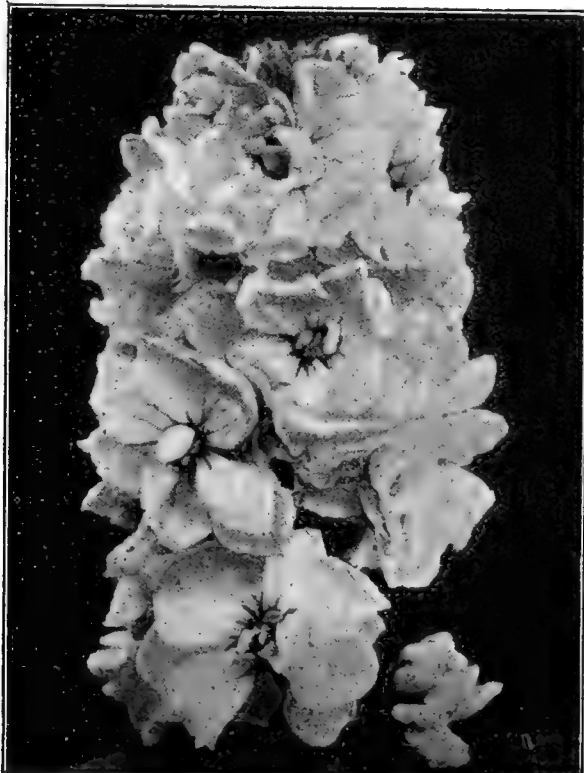
# STOCKS, Gilliflower

Stocks are universally one of the most admired annuals, and have long occupied a prominent position in almost every garden. For beauty, dazzling effects, and long continuance of bloom, they are unsurpassed, whilst their delightful fragrance renders them indispensable for bouquets, vases, etc. The seed we offer was saved from plants grown in pots only, and will yield as high a percentage of double flowers as it is possible to obtain.

## Ferguson's Large Flowering Dwarf Ten Weeks

Choicest Mixed.—All colours. . . . . Pkt. 15 cts.	1-8 oz. 60 cts.
Blood Red . . . . . 15 cts.	60 cts.
Light Blue . . . . . 15 cts.	60 cts.
Bright Rose . . . . . 15 cts.	60 cts.
Purple . . . . . 15 cts.	60 cts.
White . . . . . 15 cts.	60 cts.
Yellow . . . . . 15 cts.	60 cts.

One packet each of the above 6 colours, 75 cts.  
Imported Collection.—12 varieties, 80 cts.



Ten Week Stock.

## Ferguson's Winter Flowering Stocks.

It may be taken for granted that nearly all growers of cut flowers are acquainted with this splendid class of Stocks, so valuable for forcing. They produce long trusses of extremely double flowers and can be cultivated either as a Summer or a Winter Stock. The flowers are large, and the branching habit of the plant render them invaluable for cut bloom.

Beauty of Nice.—Flesh pink. Pkt., 15 cts.
Queen Alexandra.—Rosy lilac. Pkt., 15 cts.
Crimson King.—Fiery crimson. Pkt., 15 cts.
Mme Rivoliere.—Earliest. Pure white. Pkt., 15 cts.
Monte Carlo.—Pure yellow. Pkt., 15 cts.
Cote d'Azur.—Light violet, beautiful color. Pkt., 15 cts.
Abundance.—Carmine rose dwarf. Pkt., 15 cts.
President Roosevelt.—Bright silvery delicate lilac, of extraordinary size, with long stems. Pkt., 25 cts.

## Giant Perpetual Empress Augusta Victoria.

Delicate silvery-lilac, surpassing in beauty by far all other light blue shades. Height, 24 inches. Pkt., 15 cts.

**White Lady.**—New.—Immense, pure white flowers, a splendid sort for cutting. Same habit as Empress Elizabeth. Pkt., 20 cts.

Collection, one packet each of the above ten varieties, \$1.35.

## MAMMOTH COLUMN TEN-WEEKS.

Splendid variety; earliest flowering of the Ten-Weeks' Stocks; produces just one giant spiko lined with mammoth flowers, height, 3 feet. Excellent for cutting.

Pkt.	Pkt.
Dark Blue . . . . . 15c.	Gloria. — Blood red; extra. . . . . 15c.
Light Blue . . . . . 15c.	Snow White . . . . . 15c.
Rose Pink . . . . . 15c.	

One packet each of the above five colors, 60 cts.

## Ferguson's Improved Cut-and-Come Again

These splendid Stocks will flower continuously through the summer if sown early.

Pkt.	Pkt.
Princesse Alice.—White . 15c.	Canary Yellow . . . . . 15c.
Pink . . . . . 15c.	Dark Blue . . . . . 15c.
Crimson . . . . . 15c.	Mixed . . . . . 15c.

One packet of the above five colors, 60 cts.

**SWEET ROCKET.**—The Sweet Rocket is a very hardy perennial, bearing clusters of single flowers, which are fragrant during the evening. Colours purple and white. The plant, with fair culture, will grow 2 to 3 feet high. Seed will germinate readily in open ground. Excellent for naturalizing among shrubbery or for planting in a permanent border; mixed colours. Pkt., 15 cts.

**SUNFLOWER** The larger varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet salvia, cannas and other tall bedding plants, also furnishing good cutting material. Hardy annuals.

**Miniature Excelsior Hybrids New.**—Originating from crosses made between different varieties of *Helianthus Annuus* and *H. Cucumerifolius*, this highly ornamental new Sunflower grows from 4 to 6 feet in height, and bears a multitude of medium sized flowers from early summer until cut down by frost. The colouring presents a rich variety, being generally of a pale or bright golden yellow, adorned with broad or narrower zones of shades varying from blood red through purple to dark brown. The culture is as easy as that of any other annual Sunflower. Pkt., 20 cts.

**New Red Sunflower.**—A new and distinct break in Annual Sunflowers, growing to a height of six feet. It is of a free-branching habit, producing numerous flowers of a rich chestnut-red, tipped with yellow. It will be found useful and effective when grown on borders, as also in shrubberies, and the smaller flowers, when cut and vased, are most attractive and last long in water, appearing especially well by artificial light. Pkt., 15 cts.

**Starlight.**—The flowers are large, of very graceful appearance with petals beautifully twisted like a fine form of Single Cactus Dahlia. The colour of the flowers are a beautiful Canary yellow, and borne on long stems, cannot be excelled for cutting purposes. The form of the flowers is most graceful and lends itself admirably to decorative work, and also have the great merit of lasting a long time in water. Pkt., 15 cts.

**Chrysanthemum Flowered.**—Grows seven feet high. Perfectly double; the colour is the brightest golden yellow. The flowers are so perfect in form that they resemble very double Chrysanthemum flowered Asters with long stems. Per pkt., 10 cts.

**Stella.**—Attains a height of 3 to 4 feet. The individual flowers,  $2\frac{1}{2}$  to 3 inches across, of the purest golden yellow with a black disc, are all borne on long stems and rise well above the lovely small green foliage. Pkt., 10 cts.

**Globosus Fistulosus.**—Large double yellow flowers; 5 feet. Pkt., 10 cts.

**Silver-leaved (Argophyllus), Single.**—Yellow with black disc, silvery foliage; most effective; 5 feet. Pkt., 10 cts.

**Perennial Mixed.**—Contains the finest single-flowering hardy perennial sorts. Seeds sown early will produce flowering plants the first year; as subjects for the hardy border as well as for cutting they are of great value. Pkt., 10 cts.

**SWEET WILLIAM.**—Well-known hardy biennial, producing large heads of rich and beautifully coloured flowers, which make an imposing display.

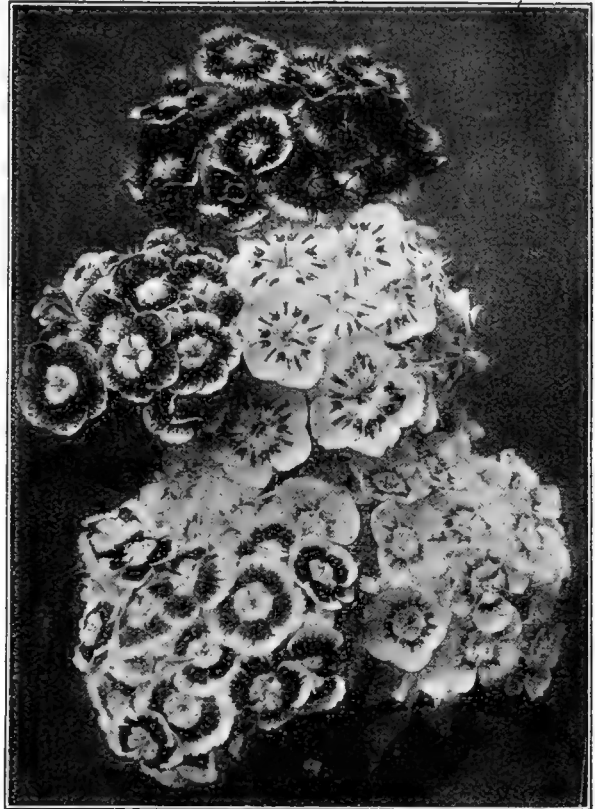
**Scarlet Beauty.**—An intensely rich deep scarlet selection out of Pink Beauty, almost identical in colour to the *Euphorbia splendens*. A really grand advance. Pkt., 25 cts.

**Pink Beauty.**—A distinct new colour in this favorite hardy plant. In colour it is what florists call water-melon—pink or salmony-rose. Strikingly brilliant and beautiful; the habit of the plant is perfect, being well-formed, neat and compact, the flowers borne in massive heads on stems 18 inches high. For mid-season mass bedding it has no equal. It is also very effective as a pot plant and for cutting. Pkt., 25 cts.

**Ferguson's Improved Auricula Eyed.**—The old-fashioned garden flower of which it is difficult to procure a really good strain. Our improved variety is the finest on the market; it is single and produces good trusses of large, round, individual blooms, with smooth edges and rich, well-defined markings, while a large proportion of the flowers show the rather rare blue shade of colouring. Pkt., 20 cts.

**Single Mixed.**—All colours. Pkt., 10 cts.

**Choice Double Mixed.**—Improved extra special strain. Per pkt., 15 cts.



Sweet William.

**Thalictrum dipterocarpum.**—Tall-growing herbaceous plant, with loose sprays of clear mauve and primrose flowers. The buds are spherical and of the same pure mauve as the expanded flower. Invaluable for perennial borders owing to its light and graceful habit. Thrives best on poor soil in a sunny position. Height,  $4\frac{1}{2}$  feet. Pkt., 50 cts.; 3 pkts., \$1.25.

**Thunbergia.**—(Black-eyed Susan).—Beautiful, rapid-growing, annual climbers, preferring a warm, sunny situation; used extensively for hanging-baskets, vases, low fences, etc.; very pretty flowers in buff, white, orange, etc., with dark eyes. 4 feet. Mixed colors. Pkt., 15 cts.

**VIRGINIAN STOCK.**—Early summer hardy annuals, about 9 inches high, covered with a dense mass of beautiful blossoms. Extremely effective in small beds, baskets or edging. Sowings at intervals may be made during the summer. Pkt., 10 cts.

**VALERIANA (Garden heliotrope).**—Hardy perennial with odor of heliotrope. Pinnate foliage and panicles of flowers. June and July. Mixed. Per pkt., 10 cts.; oz., 30 cts. Red.—Pkt., 10 cts.; oz., 50 cts. White.—Pkt., 10 cts.; oz., 50 cts.

**VERONICA, Spicata.**—An elegant hardy perennial border plant, growing about 18 inches high, bearing "all summer long" spikes of bright blue flowers, which lengthen with age. Per pkt., 15 cts.

### VIOLA OR TUFTED PANSIES

These favourite Spring-flowering plants have been of late greatly improved. Nothing can surpass them for beauty and effectiveness when tactfully arranged in partially-shaded beds or ribbon borders.

**Mauve Queen.**—Rich mauve, very free. Pkt., 15 cts.

**Admiration.**—Large, deep violet. Pkt., 15 cts.

**White Perfection.**—Pure white. Pkt., 15 cts.

**Golden Yellow.**—Pkt., 15 cts.

**Scotch Strains.**—Choicest and newest bedding hybrids mixed. Pkt., 20 cts.

# VERBENA

—One of our most valuable bedding plants

and worthy of greater cultivation.

**Verbena, Helen Willmott.**—Very pretty bright salmon rose, with white eye. After years of constant selection, seed of this lovely Verbena has been secured. The seed produces plants with flowers, many of which are of the true "Helen Willmott" colour, with a percentage of various shades, which are also very fine both in colour and size. Per pkt., 15 cts.

**Gigantea, Giant-Auricula-Flowered Mixed.**—New giant Auricula-eyed strain in splendid mixture, surpassing in size and beauty the well-known variety **Mammoth**. The flowers, each well over an inch across, are in great variety of colours, with large, clear white eye, giving to the blooms a remarkably effective appearance. Pkt., 20 cts.

**Lucifer (New)** Intense brilliant scarlet with no eye; a great improvement on defiance. Pkt., 15 cts.

## D. & F's. Mammoth Fancy

Blue.....	Pkt., 15c.	White.....	Pkt., 15c.
Pink.....	15c.	Mixed.....	10c.
Scarlet.....	15c.		

**Lemon-Verbena** (Aloysia Citriodora).—Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Pkt., 15 cts.

**Venosa** (Hardy Garden Verbena).—This variety is largely used for bedding purposes. It is a strong, thrifty grower, about one foot high, and covered from early summer until late fall with its bright purplish-heliotrope flowers. Pkt., 15 cts.

**WALLFLOWER**—Well-known deliciously fragrant plants with large spikes of double and single flowers similar to the gillflower. The colours are very brilliant, varying from the brightest golden yellow to deep blood colour. Succeed best in light, rich soil in a moist atmosphere. Half hardy perennials.

**Sutton's Improved Double German.**—Including many beautiful colours which are not obtainable from ordinary seed. The plants throw up large dense spikes of deliciously scented flowers, and are as easily cultivated as the Single Wallflower. Height, 18 inches. Pkt., 75 cts.

**Double Finest Mixed.**—Pkt., 15 cts.

**Single Mixed.**—Pkt., 10 cts.

**New Early Paris Single.**—Blooms the first season. Per pkt., 15 cts.



Mammoth Verbena

**WILD CUCUMBER.**—This is the quickest growing wild, self-sown, in many parts of the country. It will grow 30 feet in one season. It is thickly dotted over with pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building. Per pkt., 10 cts.; oz., 40 cts.

**XERANTHEMUM.**—One of the oldest everlastings; the flowers retain their color and form longest of all. Mixed colours. Per pkt., 10 cts.

## The "Wildflower" and Children's Garden Seed Mixture.

Teachers will find these Mixtures Useful for School Gardens

In this mixture will be found some of the choicest annuals and perennials imaginable. For beautifying at a minimum cost, nothing approaches Wild Flower Seeds for effect and cheapness. No care is necessary, and with so many varieties, a never ending variety and succession of bloom is afforded. The flowers are in evidence from early summer until frost, yielding a wealth of bloom and fragrance. For naturalizing purposes for use by woodland walks, etc., this is the best and cheapest way of attaining the effect desired. Thin out where the plants are crowded and keep clear of weeds.

Mixed Annuals, Tall. Pkt. 10 cts. | Mixed Annuals, Dwarf. Pkt. 10 cts.  
 Mixed Hardy Perennials, Tall. Pkt. 15 cts.  
 Mixed Hardy Perennials, Dwarf. Pkt. 15 cts.

## ORNAMENTAL GRASSES

Suitable for mixed borders and ornamental gardening, also when dried, for winter bouquets and decorations.

**Agrostis Nebulosa** (Cloud Grass).—An airy and graceful annual Grass, grows 18 inches high and looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 15 cts.

**Briza Maxima** (Quaking Grass).—Pretty for bouquets; annual; 1 foot. Pkt., 15 cts.

**Coix Lachryma** (Job's Tears).—Pkt., 15 cts.

**Eragrostis Elegans** (Love Grass).—One of the best grasses for mixing with flowers. Pkt., 15 cts.

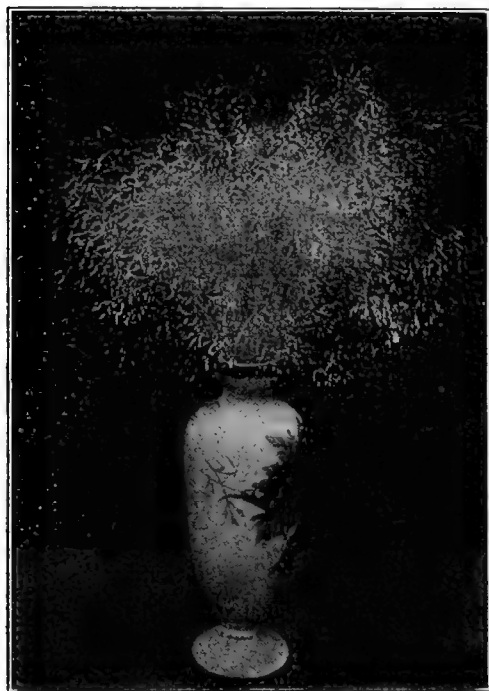
**Erianthus Ravennae**.—Extremely graceful. 8 feet. Pkt., 15 cts.

**Cynelium Argenteum** (Pampas Grass).—Well-known magnificent grass, with flower-spikes 10 feet high; roots should be kept from frost during winter. Perennial. Per pkt., 15 cts.

**Pennisetum Longistylum**.—Extremely graceful greenish-white plumes; excellent for beds; annual; 2 feet. Pkt., 15 cts.

**Pennisetum Rueppelianum**.—(Purple Fountain Grass).—A beautiful variety, growing about 3 feet high, producing long, graceful green foliage and cylindrical purplish plumes. The ideal plant for a Canna Bed. Pkt., 15 cts.

**Stipa Pennata** (Feather Grass).—Perennial, beautiful, delicate, white, feathery bloom; flowering the second season; 2 feet. Per pkt., 15 cts.



Agrostis Nebulosa



# ZINNIA

This is one of the finest summer flowering plants. The flowers are large, handsome, finely formed, and in great variety of colours. Seed sown early, under glass, will commence flowering early in the summer and continue the whole season. They require but little attention, but plenty of room—should have at least eight inches each way; any common garden loam. Annual.



## New Zinnia, Double Giant Picotee

### Introducer's Description.

This remarkable new and distinct class was first produced by us in 1916 from flesh color with each petal distinctly tipped with dark chocolate color, and from this variety we have, during the past season, produced the following colors, all tipped with various shades of dark, giving the flowers a very attractive and pleasing appearance, resembling Picotee Carnations, Orange, Flesh, Lemon, Pink and Cerise. This fine novelty has been pronounced by all who have seen it to be the most attractive thing in Zinnias.

All Colors Mixed, pkt., 20 cts.

## Ferguson's Giant Zinnias

We offer here six well fixed varieties of the true Giant Zinnia. These new plants are of extremely robust habit and throw up numerous long, firm stalks, crowned with enormous semi-globular, very double flowers; specimens measuring 5 to 6 inches across are by no means rare. 2½ feet.

Giant Pure White.....	Pkt. 15c.	Giant Crimson.....	Pkt. 15c.
Giant Golden Yellow.....	15c.	Giant Flesh Colour.....	15c.
Giant Scarlet.....	15c.	Sulphur Yellow.....	15c.
		Mixed.....	15c.

The above collection of six separate colours, 75 cts.

## Double Curled and Crested

The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt., 15 cts.

## Ferguson's Double Large Flowering

These indispensable garden annuals are now greatly improved. The plants form handsome, compact bushes 2 feet in height, with large, perfectly formed double flowers.

Salmon-Rose.....	Pkt., 10c.	Yellow.....	Pkt., 10c.
Scarlet.....	10c.	White.....	10c.
Crimson.....	10c.	Flesh Color.....	10c.
		Mixed.....	10c.

One pkt. each of the above 5 separate colours, 40 cts.  
Imported collection of 10 varieties, 75 cts.

## Zinnia Double Mexican Hybrids

This new race makes little oval bushes not over 1 foot in height, which are literally covered throughout the summer with densely double bell-like flowers of various colours; cream, orange-yellow, red, etc. Pkt., 15 cts.

**Zinnia Red Riding Hood.**—This little gem grows but a foot high; of compact form and covered the entire season with little button-like, intense scarlet, very double flowers not over an inch across; as a border it is highly effective. Pkt., 15 cts.

# NITRO-FERTILE



—THE LIQUID FERTILIZER. An absolutely odorless plant-food, free from weed seeds, and bulk waste, quick in action and widely used by professional florists and growers. It is excellent for house plants and the lawn, shrubbery, flower and vegetable garden can be fertilized throughout the growing season easily and pleasantly; successfully used to force growth. Contains 2% Nitrogen, 3% Phosphoric Acid and 3% Potash. To use, dilute with water in the following proportions: 1

tablespoonful to a gallon for potted plants; 2 tablespoonfuls to a gallon for shrubs, lawns or garden. Will keep indefinitely. Fertilizing with Nitro-Fertile is a simple, pleasant and economical way of insuring a successful garden. One quart fertilizes 1500 square feet. One gallon is sufficient for the average lawn and garden

for the entire season. Halfpint, 40c; pint, 75c.; quart, \$1.15; gallon, \$3.25.

# SUMMER FLOWERING BULBS

## CANNAS

Cannas are perhaps the most effective of all bedding plants, and are also useful to fill in as single specimens, or groups, vacant places in the hardy border, or among young shrubbery that has not had time to cover the ground. For effective masses in beds, plant in rich, deeply-worked ground, in full sun, after all danger from frost is passed, 18 inches apart each way. In the fall lift the clumps, allowing the soil to remain on, and pack the clumps closely in a dry cellar, dividing the roots in the spring before replanting.

### NEW AND CHOICE CANNAS

**Firebird.**—A clear glistening scarlet. Even better than King Humbert, but with green foliage.

This is by all means the very best red-flowered, green-leaved Canna to-day.

The flowers are borne in immense trusses; on tall stalks well above the leaves. They are of splendid form, round and shapely. The petals measure  $2\frac{1}{2}$  inches and over across, and the colour is a clear glistening scarlet without any streaks, spots or blotches. Each, 30 cts.; doz., \$2.75.

**Gladiflora.**—Remarkable on account of the unusual shape of its flowers, which look like a gladiolus; crimson, changing to carmine-rose, with an irregular edge of gold. The bright, firm, well-formed blooms show up attractively above the neat green foliage. Height  $3\frac{1}{2}$  feet. Each 25 cts.; doz., 2.50.

**Golden Gate.**—4 feet.—The flowers open almost pure gold, but soon become richly rayed with orange, crimson and apricot, centering to the throat of deep carmine. Foliage green. Each, 25 cts.; doz., \$2.50.

**City of Portland.**— $3\frac{1}{2}$  feet.—The color is a beautiful glowing pink, deeper in colour than its parent, Mrs. Alfred F. Conard, and the flowers are produced in greatest profusion on strong, erect, branching stalks. It is an early and continuous bloomer, blooming freely in hot or cool weather. Canna experts last season pronounced it the "finest all-round pink Canna to date." Each, 40 cts.; doz., \$3.50.

**Mrs. Alfred F. Conard.**—A splendid new Canna. Its exquisite salmon-pink flowers are of largest size, in erect and abundantly furnished heads, so freely produced as to keep a superb showing for months above the rich green foliage. Grows 4 feet high. Each, 30 cts.; doz., \$3.00.

**Hungaria.**—The ideal pink bedder. Flowers large, in good trusses; color not unlike that of Paul Neyron rose. One of the best of the newer introductions. Height,  $3\frac{1}{2}$  feet. Each, 25 cts.; doz., \$2.50.

**Panama.**—The color of this Canna is an attractive, rich orange-red with a well-defined edge of bright golden yellow. The flowers are very large, the petals being almost round and of immense spread. The early, free-flowering habit and unique coloring make this Canna most noteworthy. Height, 3 feet. Each, 25 cts.; doz., \$2.50.

**Wintzer's Colossal.**—5 feet.—Without doubt the largest-flowered Canna to date, as the average flowers more than cover a man's hat. The colour is a strikingly vivid scarlet that retains its brilliancy. Each, 25 cts.; doz., \$2.50.

### The Best Cannas

The following are among the very best improved flowering Cannas, and will give great satisfaction:—

**Alphonse Bouvier** (5 ft.).—Green foliage. Flower is bright flashing crimson. Very rich.

**Austria** (5 ft.).—Orchid flowering, green foliage. Large flowers, 6 to 7 inches across; colour, pure golden yellow.

**Beaute Poitevine.**— $3\frac{1}{2}$  feet. Green foliage; dark crimson flowers of large size.

**Charles Henderson** (4 ft.).—Green foliage. Flowers deep crimson, with flame-yellow throat.

**Florence Vaughan** ( $3\frac{1}{2}$  ft.).—Green foliage. Flowers rich golden yellow, thickly spotted with bright red.

**Gladiator** (5 ft.).—Green foliage. Flowers intense yellow, spotted with bright red. This is one of the most remarkable varieties we ever introduced, as it seems to have all the good qualities Cannas should have.

The flowers are very firmly made, storms and hot sunshine affect them very little. They are borne on strong upright stems well above the foliage and on account of the clean, neat appearance of the plant it is always attractive.

**Italia** (4 ft.).—Green foliage. Flowers are brilliant red and yellow. An orchid-flowering variety.



Canna, Wm. Saunders.

**King Humbert** (4 ft.).—Bronze foliage with brownish-green stripes, large, thick and leathery. Flowers large; colour, bright-scarlet streaked with crimson.

**Souvenir d'Antoine Crozy** (3 ft.).—Green foliage. Beautiful red, bordered with golden yellow. Very popular for bordering other Canna beds.

**Venus** (4 ft.).—Green foliage. This is one of the prettiest Cannas in existence. The flowers are a gay, rosy pink with a well-defined border of creamy yellow. Blooms all the time with heads erect and flowers bright.

**Wm. Saunders** (4 ft.).—This bronze-leaved beauty is a rival and superior to "King Humbert," in that it continues a blaze of beauty all Summer when "King Humbert" is "off show." The individual flowers, often 5 inches, are bright scarlet, and the flower clusters are a foot across, borne on strong branching stems about 4 feet high. Mr. Wintzer, the originator, says: "Of the many thousands of hybridized seedlings produced by me, none approach nearer the ideal Canna than this peerless variety." Each, 25 cts.; doz., \$2.50.

**Wyoming** (7 ft.).—Purple foliage. One of the most majestic Cannas, blossoms orange-coloured, true orchid-shape, with large, rounded petals that flap and flutter in the breeze like glistening silken flags.

Price, unless noted, 20 cts. each; \$2.00 per doz.

### TUBEROSES.

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skilful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

**Excelsior Double Pearl.**—Mammoth bulbs, 10 cts. each; \$1.00 per doz.; \$7.00 per 100.

# GLADIOLI of SPECIAL MERIT

**America.**—Large flower, flesh pink, beautiful. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Attraction.**—Deep, dark, rich crimson, with a very conspicuous large pure white centre and throat. At once, a most beautiful and attractive sort. Each, 15 cts.; doz., \$1.25.

**Augusta.**—Lovely pure white, with blue anthers. A splendid sort. Each, 10 cts.; doz., \$1.10; 100, \$6.00.

**Afterglow. (Groffs).**—The colour combination of our Canadian sky after sunset, rose, salmon, fawn and blue, is wonderfully duplicated in the inflorescence of the distinct variety. The plant is tall and upright, from 5 to 6 feet to top of spike when well grown. The flowers are large and wide open, of a salmon-fawn shade, with a violet-blue centre. Each, 35 cts.; doz., \$3.50.

**Brenchleyensis.**—The most effective vermilion-scarlet for massing. Each, 10 cts.; \$1.00 per doz.; \$6.00 per 100.

**Blue Jay.**—An extra fine blue, finely marked. Each, 25 cts.; doz., \$2.50.

**Baron Hulot.**—The first blue Gladiolus yet seen. Rich deep colour of an indigo shade. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Candidum.**—Large white blooms; tips of petals tinted and somewhat reflexed like a lily. Spike tall erect; free bloomer. Forty-eight blooms on main spike and two side branches extra (Cornell test). Good forcing variety. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Cherry Diamond.**—Cherry red, with spearhead markings on lower petals. Very beautiful. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Empress of India.**—Rich, deep, crimson red, velvety texture, very choice and an erect grower. Each, 10 cts.; doz., \$1.00; 100, \$7.00.

**Glory of Holland.**—(Albion).—A very fine white sort, usually having two spikes of flowers on one bulb. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Halley.**—Delicate flesh rose, with a creamy yellow blotch on the lower petal, flowers measuring 6 inches. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Independence.**—Rich coral pink, brilliant throat and heavy wax-like flowers. Considered the best light red in market. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Kunderdi "Glory."**—Each flower petal is exquisitely ruffled and fluted. Stalks grow 4 to 5 feet tall, very robust and produce from 8 to 12 massive flowers, which expand wide open and are delicate cream pink with a neat crimson stripe through the centre of each lower petal. Each, 10 cts.; doz., \$1.00; 100, \$7.00.

**Mrs. Francis King.**—A most beautiful "Besnard shade" flame-pink. Immense flowers on a spike growing four feet high, with from eighteen to twenty flowers, six to eight open at one time. A magnificent variety. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Mrs. Frank Pendleton.**—Awarded Certificates of Merit by the Massachusetts Horticultural Society at Boston, August, 1909, and American Gladiolus Society at Baltimore, August, 1911. The flowers are very large and well expanded, of a lovely flushed salmon-pink with brilliant carmine, or deep blood red blotches in the throat, presenting a vivid contrast of orchid-like attractiveness. Each, 15 cts.; doz., \$1.25; 100, \$8.00.

**La Luna. (Groffs).**—The large heavy buds open a pale yellow which passes to a pleasing white when the flowers are fully expanded. These are relieved by a small brown marking at the throat, and have few equals in point of substance. Each, 30 cts.; doz., \$2.25.

**Lavendula.**—Most attractive variety growing over four feet in height and a rapid multiplier. The flowers are large and well open, of a pale lavender shade with a large cream blotch in the throat. Each, 35 cts.; doz., \$3.50.

**Loveliness.**—Flowers very large and open on a long spike, well placed. Color of a clear, creamy white, slightly suffused apricot in the throat very beautiful. Each, 15 cts.; doz., \$1.25; 100, \$8.00.

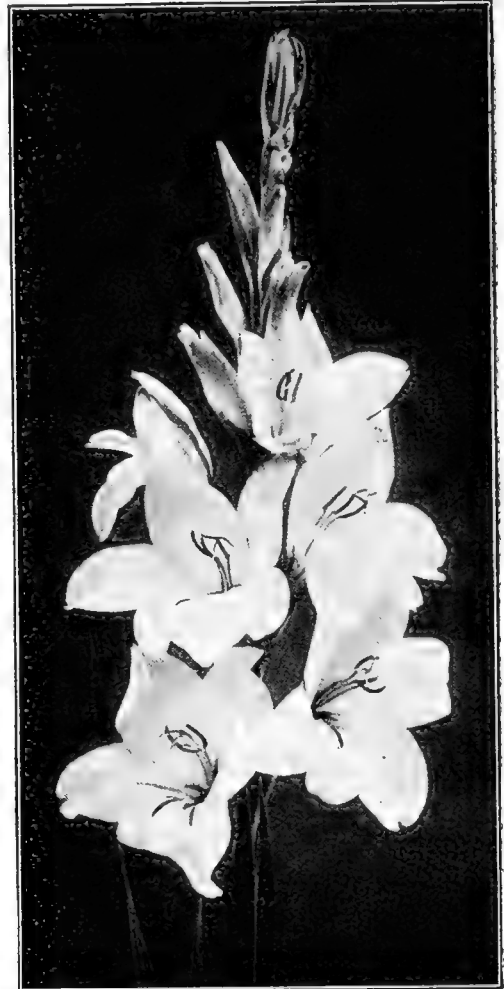
**Minnesota.**—One of the florists' best light. A strong, long spike of well-opened flowers of pale cream with very small maroon spot. Two or three weeks earlier than America. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Niagara.**—In colour the flowers are a delightful cream shade with the two lower petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. Each, 15 cts.; doz., \$1.25; 100, \$8.00.

**Peace. (Groffs).**—One of the grandest white introductions that will retain its place among the best white varieties for some time to come. The pale lilac feathering on the inferior petals, together with its strong, broad, rich green foliage and spike make it a most desirable Gladiolus in any collection. Each, 15 cts.; doz., \$1.25; 100, \$8.00.

**Panama.**—A new seedling of America which resembles the parent variety in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Many awards. Each, 15 cts.; doz., \$1.25; 100, \$8.00.

**Princes.**—Amaryllis-like Gladiolus. Color is a rich crimson, with very deep shading in the throat and broad blotches on the lower petals; the individual flowers are usually 5½ inches in diameter. Usually three flowers expand fully at one time, while the spike will produce from 12 to 15 flowers. Each, 15 cts.; doz., \$1.25; 100, \$8.00.



Gladiolus.

**Rouge Torch.**—Large creamy-white flower with a rouge torch-like tongue on inferior petals, making a very striking contrast. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

**Schwaben.**—A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best, of clear canary yellow, shading to a soft sulphury yellow when opening. Each, 20 cts.; doz., \$1.50; 100, \$9.00.

**War.**—A strong, erect and vigorous variety, growing to six feet when matured under favorable conditions. The flowers are of good size and form, borne on a long and straight spike. They are a deep blood-red in colour, shaded to crimson-black, but without any decided markings. "War" is a new, distinct and valuable acquisition. Each, 20 cts.; doz., \$1.50; 100, \$9.00.

## GLADIOLI IN MIXED COLORS

**Ferguson's Choicest Mixed.**—This mixture is composed of the finest varieties grown in a well-balanced mixture. Per doz., 60 cts.; per 100, \$4.00.

**Ferguson's Exhibition Mixed.**—A wonderful mixture, containing a large percentage of the best varieties and latest novelties. Per doz., \$1.00; per 100, \$6.00.

## PRIMULINUS HYBRIDS

A vigorous-growing class that often produces spikes 5 feet in height, very graceful and unusually attractive. The blooms have the clearest tones and tints to be found in lemon, primrose, orange, russet-brown, bright rose, apricot, and some crimsons. They branch freely and should be grown in lots of a dozen or more; beds like this will have blooms for two to three months. Mixture of Choice Shades, 10 cts. each; \$1.00 doz.; 100, \$6.00.

# DAHLIAS of SPECIAL MERIT

Strong Field-Grown Roots

## NOVELTIES

**Copperfield**—Beautiful cinnamon-colored with dark centre. Well-formed flowers on long, stiff stems. Free bloomer and very fine for cutting, extra. Each, 75 cts.

**Attraction**—A beautiful hybrid-cactus that attracts the attention of everyone. The flowers measure over 6 inches in diameter, and are composed of gracefully arranged curled or twisted petals of a lively yet soft silvery lilac-rose with white suffusion. Each, 75 cts.

**Dream**—(Decorative). A most conspicuous salmon shade with amberlike glow. A flower of supreme beauty and perfect form, standing erect on long strong stems above the foliage. Very free bloomer, F. C. C. Dutch Horticultural Society 1916. A. M. 1917. A. M. Dahlia trials 1917. Each, 75 cts.

**King of Autumn**—(Decorative). The shade is quite new, buff yellow and terracotta suffused through. A well formed flower of the decorative type. It is unique in colour, and shows in flower, stem and foliage great vigor. F. C. C. 1915. Each, 75 cts.

**Mrs. Warnaar**—A splendid exhibition hybrid-cactus variety of a creamy-white, with just a faint apple-blossom suffusion; flowers of gigantic size, over 8 inches in diameter and on strong, stiff stems; petals long and peculiarly twisted and curled. A variety which we unhesitatingly recommend as a novelty of unusual merit. Each, 75 cts.

**Princess Mary**—(Peony-flowered). Vivid light pink, margined blush. One of the showiest varieties in pink. Carries a mass of flowers on strong stems F. C. C. 1916. Each 75 cts.

## DECORATIVE DAHLIAS

**Jack Rose**—Brilliant crimson-red similar in shade to the popular Jacqueminot Rose, which suggested its name. Each, 30 cts., per doz. \$3.00.

**Clifford W. Bruton**—A large canary-yellow. Each, 30 cts., per doz. \$3.00.

**Jeanne Charmet**—One of the finest decorative Dahlias. The flowers measure 8 inches across and are borne on stiff, wiry stems, often 18 inches long. The exquisite flowers are pink at the edges, pure white toward the center and light yellow at the margins. 4 ft. Each, 40 cts., doz. \$3.50.

**Le Grand Manitou**—Large decorative variety; white, more or less striped with violet red. 3 ft. Each, 40 cts., doz., \$3.50.

**Mademoiselle Marie Hoste**—A fascinating shade of heliotrope, shaded white. Each 40 cts., doz. \$3.50.

**Mina Burtle**—This new introduction is one of the finest varieties to date—producing flowers of gigantic size and remarkable beauty; the best in existence. Color, a glowing and most brilliant scarlet. Attracts universal attention. Each, 50 cts., doz. \$5.00.

**Mme. Van Den Daele**—Flowers are large and of fine form; produced upon exceptionally good stems, well above the foliage. As a cut-flower variety it is unsurpassed. The color is white, deeply edged live silvery-pink. Each, 40 cts., doz. \$3.50.

**Freedom**—The flowers are a beautiful deep crimson color and are produced with such ease and freedom that we chose "Freedom" as the most appropriate name. One of the earliest flowering. Each, 50 cts.; doz., \$5.50.

**Princess Juliana**—The queen of Dahlias. Pure white, well formed flowers on long stems. Best for decorative work. Award of Merit. 4½ ft. Each, 50 cts., doz. \$5.00.

**Purple Manitou**—Enormous flowers of a rich, clear, deep purple. Identical in shape, form and size to "Le Grand Manitou." The very finest purple Decorative Dahlia in existence. Each, 40 cts., doz. \$3.50.

**Souvenir de Gustave Douzon**—These immense flowers are borne in profusion from the earliest blooming to frost; 9½ inches diameter; it improves with the season and grows more perfect; a rich scarlet. 5 ft. Each, 30 cts., doz., \$3.00.

## SHOW AND FANCY DAHLIAS

**Acquisition**—Rich, royal, deep mauve; splendid exhibition flower. 4½ ft. Each, 40 cts., doz., \$3.50.

**A. D. Livoni**—Soft pink. 4 ft. Each, 30 cts., doz., \$3.00.

**Arthur Lefavour**—Gigantic New Fancy Dahlia. Color, a beautiful sulphur-yellow, lined, striped and speckled deep, gorgeous crimson. Each, 50 cts., doz. \$5.00.

**Golden Age**—Sulphur-yellow. Free-flowering. Each, 30 cts. doz., \$3.00.



Decorative Dahlia

**Maude Adams**—(Ideal New Show Dahlia). This wonderful introduction is unsurpassed in every respect; in reality a model of perfection. The color is a pure snowy white, very effectively overlaid clear delicate pink. Undoubtedly one of the finest of the Show type. Each 50 cts., doz. \$5.00.

**M. Somers**—A beautiful clear purple. Large, Each 30 cts.; doz. \$3.00.

**Norma**—A Dahlia that should be grown by all flower lovers. Flowers are large, perfectly quilled, and of a most exquisite shade of live bright orange. Each, 40 cts.; doz. \$3.50.

**Primrose Dame**—A lovely shade of primrose. Medium size. Free flowering. Each, 40 cts.; doz., \$3.50.

**Reggie**—A Colossal Dahlia of beautiful cherry-red color. A variety that will give the best of satisfaction, producing flowers upon long stems, well above the foliage. Very free. Each, 30 cts.; doz., \$3.00.

**Rose**—Color, an exceptionally deep rose shade. Flowers carried erect upon extra long stems. Exceedingly free flowering. Each, 50 cts.; doz., \$5.00.

**Storm King**—The most reliable white Show Dahlia to date. Color, a pure white. Flowers produced on good stems, well above the foliage. Each, 30 cts.; doz., \$3.00.

**Stradella**—Beautiful deep purple-crimson. Exceptionally free flowering. Stems long and wiry. One of the finest to date. Each, 30 cts.; doz., \$3.00.

**Vivian**—A great favorite, which received the admiration of everyone who saw its wonderful flowers, the color being white, effectively edged rose-violet. An extremely wonderful blending of color possessed only by the rare novelties. Each, 30 cts.; doz., \$3.00.

## CENTURY SINGLE AND COLLARETTE

**Achievement**—The largest and finest of the Collarettes. A clear, rich, velvety maroon; collar a beautiful waxy snow-white, very daintily overlaid pinkish-crimson. I highly recommend this variety. Each, 40 cts.; doz., \$3.50.

**Directeur Rene Gerard**—(Gigantic New French Collarette Dahlia). Beautiful violet-purple, shaded and tipped white; white collarette. Exceptionally large flowers produced in great profusion. Each, 40 cts.; doz. \$3.50.

**Lord Goff**—A Single Cactus Dahlia of the most refined form, resembling a butterfly in appearance. The base of the petals are delicate cream, heavily tipped rose-pink. Flowers are borne on long, graceful stems, well above the foliage. Each, 30 cts.; doz., \$3.00.

**Meteor**—(New Collarette Dahlia)—Crimson-maroon, very slightly edged old gold; cream white collarette. Star-shaped. Each, 40 cts.; doz., \$3.50.

**Rose Pink Century**—A rose-pink shade. Single. Each, 30 cts.; doz., \$3.00.

**St. George**—A very free-flowering variety of clear yellow. Single. Each, 30 cts.; doz., \$3.00.



**DAHLIAS OF SPECIAL MERIT—Continued**

**FINEST CACTUS DAHLIAS**

**Alight.**—Gigantic flowers of a beautiful orange-scarlet color. Petals very long and exceedingly narrow. This variety can be highly recommended as a desirable form. Each, 40 cts.; doz., \$3.50.

**Bornemann's Liebling.**—Very delicate, soft rose-pink. Extra fine. Each 40 cts.; doz., \$3.50.

**Countess of Lonsdale.**—Deep salmon-red. One of the best. Very free. Each, 40 cts.; doz., \$3.50.

**Crepuscule.**—A gigantic flower; pale orange-yellow at centre, exquisitely deepening to beautiful deep amber buff at outer petals. Each, 40 cts.; doz., \$3.50.

**Earl of Pembroke.**—Bright plum color; large, bold flower. Each, 30 cts.; doz., \$3.00.

**Eureka.**—This variety has all the good qualities of the Dahlia, being properly named. Color, very deep purple. Petals are long, straight and tightly quilled. Each, 35 cts.; doz., \$3.00.

**APIOS TUBEROSA.**—Tuberous-rooted *Wistaria*.—Clusters of rich deep purple flowers, which have a strong, delicious violet fragrance. Hardy climber. Price 15 cts. each; \$1.00 per dozen.

**CALADIUM ESCULENTUM.**

**Elephant's Ear.**—One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plants about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colours of the dwellings. Leaves often measure 3 to 4 feet long and 2½ feet wide. Mammoth-size bulbs, 40 cts. each; \$4.00 per doz.

**CINNAMON VINE.**—Beautiful summer climber; glossy foliage and fragrant flowers; stem dies down in winter, but the root is hardy. Large selected roots, 15 cts. each; \$1.00 per doz.

**GLOXINIA.**—Beautiful house plants of dwarf habit and easy culture. Flowers are trumpet shaped, with beautiful markings, shaded violet, rose blue or crimson. One bulb planted in a 5 inch pot will make a magnificent show. Mixed varieties. 25 cts. each; \$2.00 per doz.

French Hybrids, laced and spotted, mixed varieties. Each, 35 cts.; doz., \$2.50.

**HYACINTHUS CANDICANS (Summer Hyacinths).**

Splendid bulb for planting in the perennial border, being perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. Each, 20 cts.; per doz., \$1.25.

**ISMENE CALATHENA.**—The flowers are of very large size like an *Amaryllis*, novel form and of snowy whiteness, and exceedingly fragrant. As a pot plant it is grand, and as a garden bulb treated like *Gladiolus* it is one of the choicest of all flowers. Strong flowering bulbs. 20 cts. each; doz., \$2.00.

**Ella Kramer.**—Rose-pink with much brighter centre; fine form. Each, 30 cts.; doz., \$3.00.

**Floradora.**—Wine-crimson. Flowers produced with remarkably profusion upon good stems. Moderately incurved. Each, 40 cts.; doz., \$3.50.

**Henri Cayeux.**—A variety of immense size and perfect form. Color, an old gold, shading to golden yellow. Each, 30 cts.; doz., \$3.00.

**J. H. Jackson.**—The finest black Cactus Dahlia in existence. An exceptionally satisfactory all-round Dahlia; one of the most prominent for garden decoration; superb as a cut-flower variety and equally good as an exhibition flower. Color, a perfectly gorgeous, deep, velvety blackish-maroon. Gigantic in size. Each, 30 cts.; doz., \$3.00.

**BEST MIXED DOUBLE DAHLIAS**

Our mixture is made up from the best varieties of all classes of Double Dahlias, each variety being grown separately. We offer these best mixed double Dahlia roots at 25 cts. each; per dozen, \$2.00.

**MADEIRA VINE. Climbing Mignonette.**

A beautiful and popular vine, covering a large space in a short time. Fleshy heart-shaped leaves of a light green, and numerous racemes of feathery flowers of delicious fragrance. Protect with litter in this latitude. 20 cts. each; \$1.25 per doz.; by mail, 10 cts. per doz. extra.

**MONTBRETIA.**—These beautiful flowering bulbs resembling a miniature *Gladiolus* are very popular for clumping among perennials and massing.

- Aurantiaea.**—Deep golden yellow.
- Crocasmiaeflora Type.**—Scarlet and yellow.
- Etoile de Feu.**—Vermilion with yellow centre.
- Germania.**—Orange scarlet, very large.
- Rayon d'Or.**—Light yellow, spotted brown.

Any of the above varieties 6 cts. each; 60 cts. doz.; \$4.00 per 100.

**TUBEROUS ROOTED BEGONIAS.—**

Gold Medal strain seedlings from a most up-to-date strain, perfect in habit, with large fine formed flowers.

	Each	Doz	100
Single Scarlet.....	\$0.20	\$1.50	\$8.25
“ White.....	0.20	1.50	8.25
“ Crimson.....	0.20	1.50	8.25
“ Yellow.....	0.20	1.50	8.25
“ Pink.....	0.20	1.50	8.25
“ Mixed.....	0.20	1.50	8.25

Single extra choice for exhibition in 6 separate colors. Each, 50 cts.; doz., \$5.00.

	Each	Doz.	100
Double Crimson.....	\$0.20	\$2.00	\$12.00
“ Scarlet.....	0.20	2.00	12.00
“ Pink.....	0.20	2.00	12.00
“ Yellow.....	0.25	2.00	12.00
“ White.....	0.25	2.00	12.00
“ Mixed.....	0.25	2.00	12.00

Double extra choice for exhibition in 6 separate colors. Each, 75 cts.; doz., \$6.00.

**Begonia Lloydii.**—As a pot plant it is very beautiful, but a still more striking effect is produced in hanging baskets, pink, rose and scarlet. Each, 75 cts.; doz., \$6.00.

**New Frilled Tuberous Begonias.**—Unquestionably the finest of the tuberous-rooted section. The flowers are of large size, from 4 to 6 inches in diameter, with beautifully frilled and wavy petals. Single, each, 20 cts.; doz., \$2.00. Double, each, 40 cts.; doz., \$3.00.

**HARDY LILIES.**

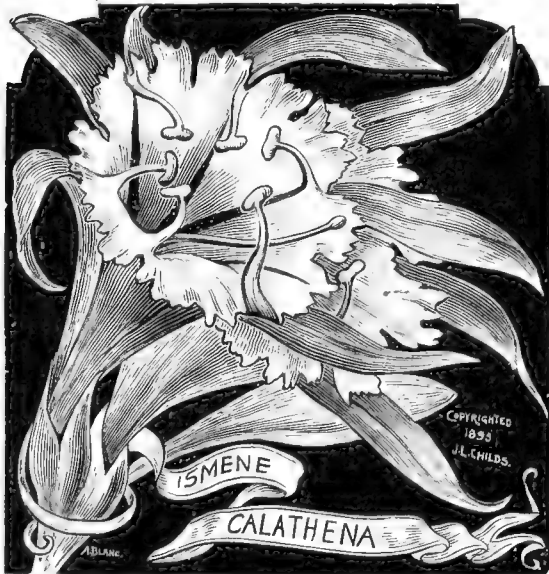
**Auratum.**—(Gold-banded Lily).—The greatest of all hardy Lilies; flowers white, spotted with maroon, having a bright yellow band through the centre of each petal. The plant grows from 3 to 6 feet high. Each 50 cts.; doz., \$5.00.

**Speciosum Album.**—White. Each 40 cts.; doz., \$4.00.

**Speciosum Rubrum (Roseum).**—White shaded and spotted with rose and red. Each, 40 cts.; doz., \$4.00.

**Speciosum Magnificum.**—New; a grandly beautiful variety; flowers nearly double the size of other *Speciosum* varieties and of tall sturdy growth. It is a close ally of *Melpomene* but of much larger size and richer coloring, rich red heavily spotted. Each, 40 cts.; doz., \$4.00.

**Superbum.**—(Turk's Cap Lily).—Rich orange, petals tipped red and dark spotted, 3 to 4 feet; blooms in July and August. Each, 40 cts.; doz., \$4.00.



## HARDY PERENNIAL PLANTS

**Achillea "Perry's White."**—This fine novelty is a seedling variety of *Achillea Ptarmica*, raised at Perry's Hardy Plant Farms. It grows over 3 feet in height, and has stiff, rigid, much-branching stems, the laterals being 1 foot or more in length, and forming a pyramidal bush, 3 feet through. The double, white flowers are produced in the wildest profusion, and each flower measures 1 inch in diameter. The plants flower from June to late autumn, and the variety is extremely valuable for cutting or for decorative purposes. Messrs. Perry exhibited the novelty at the R. H. S. meeting and gained an Award of Merit for their novelty. 25 cts. each; \$2.50 per doz.

**Achillea Kelway's Carmine Red.**—Large heads of carmine red flowers; blooms all summer; extremely hardy and persistent; excellent for naturalizing. 1½ feet. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

**Achillea, "The Pearl."**—Numerous double white flowers, fine for cutting flowers all summer; 2 feet. 20 cts. each; \$2.00 per doz.

**Aconitum Wilsoni.**—It is of a strong, stately habit of growth, attaining a height of from 5 to 6 feet, with very large flowers of a light violet-blue color. It commences to bloom early in September, and after the terminal raceme is over others are produced from the branches lower down on the stems, by which means the season is extended to October. Each, 50 cts.; per doz., \$5.00.

**Aconitum Fischeri.**—A dwarf variety, growing 18 inches high, with very large, pale blue flowers in September and October. 35 cts. each; \$3.50 per doz.

**Aconitum Napellus.**—Spike of dark lavender-blue, in July; 3 feet. 35 cts. each; \$3.50 per doz.

### **Ægopodium (Bishop's Weed)**

**Podagraria Variegata.**—A rapid-growing plant, with neat green and yellow variegated foliage, thriving in any soil; makes a fine border for a bed of shrubs or for covering waste ground; 1 foot. 20 cts. each; \$2.00 per doz.

**Agrostemma Coronaria Atrosanguinea.**—Large blood crimson flowers completely covering the plant and flowering all summer, 2 to 3 feet. Each, 25 cts.; doz., \$2.50.

**Agrostemma Coronaria Alba.**—White form of above. 25 cts. each; \$2.50 per doz.

**Alyssum Saxatile Compactum**—(Basket of Gold, Gold Tuft, Rock-madwort).—An indispensable plant for the rockery or border, growing 1 foot high and producing early in summer masses of broad, flat heads of bright yellow flowers. 25 cts. each; \$2.50 per doz.

**Anthemis Tinctoria Kelwayi** (Marguerite).—(Basket of Gold, Handsome, finely cut foliage, and large golden deep golden-yellow flowers produced all summer. Succeed in the poorest soil. 25 cts. each; \$2.50 per doz.

**Anchusa Italica Dropmore Var.**—Sterling novelty. The splendid flowers are of the purest blue imaginable and produced on branched stems, about 4 feet high. It is doubtless the finest blue herbaceous plant in cultivation. Blooms in June and July. Each, 40 cts.; \$3.50 per doz.

**Anchusa Opal.**—(New).—Very beautiful variety, with large, pale blue flowers, 3 to 4 feet. 40 cts. each; \$3.50 per doz.

**Anchusa Italica.**—Large heads, blue, flowers all season; 3 ft. 35 cts. each; \$3.00 per dozen.

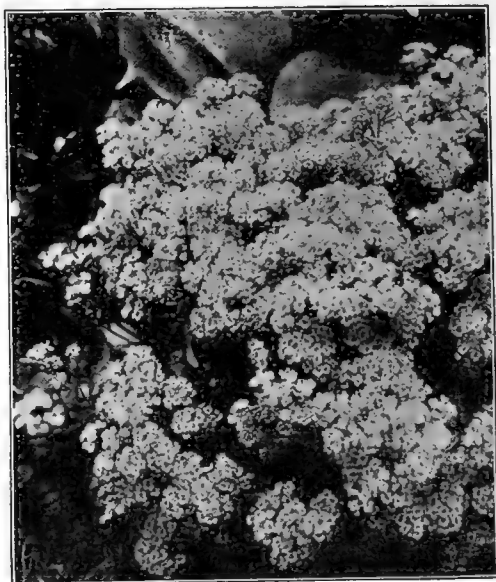
**Anemone Queen Charlotte.**—Very large semi-double flowers of that pleasing shade of silvery-pink peculiar to the La France Rose, a color that is as beautiful as it is rare among hardy plants. Flowers in September to frost; 2½ feet. Each, 35 cts.; \$3.00 per doz.

**Anemone Japonica.**—White or rose. 35 cts. each; \$3.00 per doz.

### **Anthericum. (St. Bruno's Lily)**

**Lilastrum Giganteum.**—A giant-flowering form of the St. Bruno's Lily, producing in May strong spikes of large white flowers, which forcibly remind one of a miniature form of the Lillium Candidum or Madonna Lily. A very attractive hardy plant. 40 cts. each; \$4.00 per doz.

**Aquilegia D. & F's. Long-Spurred Hybrids.** This grand strain has been much admired wherever exhibited. The seed is saved from selected plants only chosen either for size, form or delicacy of colouring. The colours are distinct shades of red, cerise, white, lavender, salmon, mauve, pink, yellow, etc. The size of the blooms are unusually large with long spurs, foliage small and graceful, and plants very free flowering. 25 cts. each; \$2.50 per doz.



Alyssum.

**Artemisia Lactiflora.**—Unlike the varieties offered, which are grown for their foliage, this comparatively new introduction from China is a most effective flowering plant, with erect stems 3½ to 4½ feet high, clothed with elegantly-cut dark green foliage and terminated by panicles of Hawthorn-scented creamy-white Spiræa-like light and graceful flowers. It is at its best from the latter part of August to the end of September, and is particularly valuable on this account, being unlike any other plant in bloom at that time. 40 cts. each; \$4.00 per doz.

**Asclepias Tuberosa.**—Very attractive plants about 2 feet high, and producing, from July to August 15, close compact umbels of brilliant orange-colored flowers. 40 cts. each; \$4.00 per doz.

**Asclepias Incarnata Rosea.**—A selection of our native milkweed, having pretty rosy flesh-colored flowers during July and August. 25 cts. each; \$2.50 per doz.

**Astilbe.**—The varieties offered below are stately, hardy plants and succeed best in rather heavy soil and where they will not suffer for lack of moisture.

**Astilbe Grandis.**—A grand species and a fine companion to A. Davidi, being of similar habit of growth, the panicles of white flowers frequently 2 to 2½ feet long; the foliage is much divided and attractive. 40 cts. each; \$3.50 per doz.

**Astilbe Hybrida Gruno.**—A splendid salmon-pink sort growing 4 feet high and producing light, graceful, spreading spikes of flowers, the finest pink Astilbe yet introduced. 50 cts. each.

**Astilbe Hybrida Moerheimi.**—A cross between A. Davidi and an unknown variety, with the strong, robust growth of the former, attaining a height of 5 to 6 feet. The well-branched, erect spikes of flowers have a length of over two feet and are of a beautiful creamy-white. The originator and introducer, a prominent Holland grower, was awarded a first-class certificate for this novelty by the Royal Horticultural Society of Holland and considers this plant the most important hardy perennial introduced in many years. Strong plants, 60 cts. each.

**Astilbe Hybrida Salland.**—This is a cross, with A. Davidi as one of its parents, which it resembles in habit of growth, only much more vigorous, growing over 6 feet high and with flowers of a distinct red color, different from all others. 50 cts. each; \$5.00 per doz.

**Astilbe Thunbergii (Rivularis) Major.**—Long spikes of white flowers on long stems. July. 50 cts. each; \$5.00 per doz.

**Arabis Alpina.**—Pure white flowers in great profusion, good for rockery, flowers in early spring; 6 inches. 25 cts. each; \$2.50 per doz.

**Aster Mixed.**—From finest named varieties. Colors ranging from pure white to deep crimson and deep purple in all sections, and will be found very varied in size and time of flowering. These have been raised from the finest named varieties, and for large plantings, and for massing will be found equally as effective as the named varieties. 25 cts. each; \$2.50 per doz.

## HARDY PERENNIAL PLANTS—Continued

**Baptisia Australis.**—A strong-growing plant, about 2 feet high, with dark green, deeply-cut foliage, and spikes of dark blue flowers in June and July. 25 cts. each; \$2.50 per doz.

**Boltonia Asteroides.**—Pure white. Blooms during September and August, and with its thousands of flowers opened at one time produces a very showy effect; 5 to 7 ft. 25 cts. each; \$2.50 per doz.

**Bocconia Cordata.**—(Plume Poppy or Tree Celandine).—A noble hardy perennial, beautiful in foliage and flower, admirably adapted for planting in the shrubby borders, centre 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 colour, during July and August. 25 cts. each; \$2.50 per doz.

**Canterbury Bells, Godfrey's Superb Strain.**—This is without doubt the finest strain of *Campanula Calycanthema* yet offered. It was exhibited at several shows last season and attracted great attention. The flowers are much larger than those of other strains and of perfect form both in cup and saucer. Mixed colours. Each, 30 cts.; doz., \$2.75.

**Campanula Punctata, var. Marian Gehring.**—(New).—We have many good reports from this plant. It seems to give best results when planted in a mass of half a dozen or more. A new perennial Canterbury Bell. Grows from 2 to 3 feet high, one to many stems from a single plant. Lower leaves round, heart-shaped, strongly toothed, 4 to 6 inches wide, on petioles 4 to 7 inches long. It spreads from subterranean stolons and does not bear seed. A single plant will form a strong clump 2 feet or more in diameter, and the flowers are produced in loose racemes in great profusion. The color of the flowers is pale lavender, and in size they are nearly as large as those of the Canterbury Bell, though more graceful. The flowering season extends over a period of from four to six weeks, after which there is a more straggling succession of bloom until frost. This form originated in the garden of Dr. J. G. Gehring, of Bethel, Maine, and was found growing near a colony of *Campanula Punctata*, near which one solitary specimen of a Canterbury Bell (*Campanula Medium*) was in bloom. Since it produces no seed, and has some of the characteristics of both the above species, it is reasonable to suppose it a natural hybrid between the two plants. 50 cts. each; \$5.00 per doz.

**Campanula Lactiflora Alba Magnifica.**—(New).—A novelty of great merit, from the Imperial Gardens, Petrograd, large flowers, snow white, and growing 6 feet in height, perfectly hardy and very vigorous grower, distinct from the type, which is also very scarce. Each, 25 cts.; doz., \$2.50.

**Campanula Pyramidalis** (Chimney Bell-flower).—The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high, crowded with large silver-like flowers in August. Each, 25 cts.; doz., \$2.50.

**Campanula Pyramidalis Alba.**—Similar to above, but with white flowers. Each, 25 cts.; doz., \$2.50.

**Campanula Persicifolia Grandiflora** (Peach Bells).—Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large blue or white flowers. Each 25 cts.; \$2.50 per doz.

**Campanula Carpatica.**—About 12 inches high, two colours, blue and white. Each, 25 cts.; \$2.50 per doz.

**Campanula Glomerata Superba.**—Grows from 1½ to 2 feet high, and produces its large showy, violet-blue flowers from June to August, very beautiful. 35 cts. each; \$3.50 per doz.

**Cassia.**—The Cassias delight in a sunny exposure. They are shrubby perennials, attractive for the finely cut foliage and showy, curious panicles of yellow, pea-shaped flowers, attractive light green foliage. 3 feet to 4 feet. 25 cts. each; \$2.50 per doz.

**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.

**Chelone Glabra Alba.**—Terminal spikes of creamy-white flowers. 30 cts. each; \$2.75 per doz.

**Chelone Lyoni.**—Heads of showy, purplish-red flowers. 30 cts. each; \$2.75 per doz.

**Cerastium Tomentosum.**—(Snow in Summer).—A desirable low-white flowers, suitable for the rockery or for carpeting dry, sunny spots, such as covering graves or steep banks; can also be used with good effect in carpet bedding. 25 cts. each; \$2.50 per doz.; \$16.00 per 100.

**Centaurea.**—(Perennial Cornflower).—Fine plants of easy culture for a sunny situation in the border or rockery, and fine for cutting. Bloom in July and August.

**Centaurea Montana.**—Large, violet-blue flowers, 2 feet. 25 cts. each; \$2.50 per doz.

**Centaurea Montana Alba.**—A pure white form. 2 feet. 25 cts. each; \$2.50 per doz.

**Centaurea Ruthenica,** handsome fennel-like foliage, pale-yellow flowers. 25 cts. each; \$2.50 per doz.

**Chrysanthemum Maximum King Edward.**—2½ feet in height, pure white, with a golden centre. 20 cts. each; \$2.00 per doz.

**Burbank's Shasta Daisy.**—Saved from the finest named varieties, will produce a great range of pretty forms, superior to the old varieties of *C. maximum*. Each, 25 cts.; doz., \$2.50.

**Cimicifuga Simplex** (Snake Root).—Most valuable by reason of its extreme late flowering, beginning in September and attaining full perfection about the middle of October, a time when flowers are scarce. Its flowering stems are from 2½ to 3 feet high, terminated with a dense spike of white flowers, which, when cut, last in perfection a long time. 40 cts. each; \$4.00 per doz.

**Cimicifuga Dahurica.**—Large cylindrical spikes of creamy-white flowers in September; 3½ feet. 30 cts. each; \$3.00 per doz.

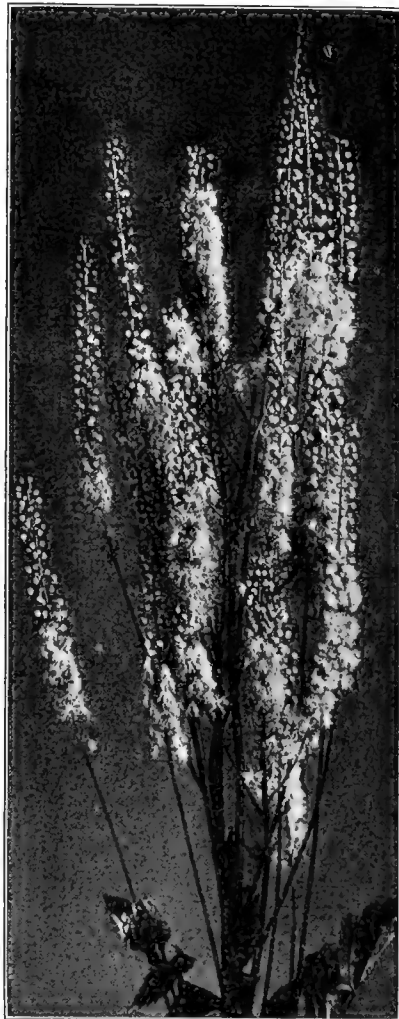
**Shrubby Clematis.**—This type of Clematis is deserving of the greatest popularity. They form erect bushes 2 to 3 feet high. During their long period of bloom, August and September, they are very attractive.

**Clematis Davidiana Azure.**—A most beautiful new variety growing about 3 feet high, with fine pyramidal flower trusses covered with flowers, light blue with white centre. 60 cts. each.

**Clematis Davidiana Cypris.**—A lovely new variety of bushy growth, the stems being clothed with dense whorls of soft blue fragrant flowers during August and September. 60 cts. each.

**Coreopsis Burbank's Grandiflora.**—Golden-yellow flowers of large size; most useful for cutting and effective in border masses; blooms all summer; 2½ feet. Each, 25 cts.; doz., \$2.50.

**Coreopsis Burbank's Lanceolate.**—Like the preceding, but somewhat smaller. Each, 25 cts.; \$2.50 per doz.



Cimicifuga

## HARDY PERENNIAL PLANTS—Continued

### DELPHINIUMS

#### DELPHINIUM HYBR. MOERHEIMI

The First and only Pure White Delphinium. The best Hardy Perennial introduced of late years.

It grows 5 to 6 feet high, and flowers more continuously than any other Delphinium, from the middle of June till autumn, being the first and last in bloom. It produces more flower spikes on one plant than any other hybrid, the side stems measuring 2½ ft. These qualities make it the finest acquisition for cutting purposes.

Its flowers are of the purest white, with white eye (like a white Phlox), without the slightest shade of cream, blue or green, like the so-called white Delphiniums which have been introduced of late years, and which cannot be compared with it. The plant has a very strong and healthy constitution and is not subject to mildew. 60 cts. each; \$6.00 per doz.

Award of Merit, R.H.S., London, July, 1913.

**Belladonna.**—The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its large flowers is not equalled for delicacy and beauty by any other flower. Each, 25 cts.; doz., \$2.50.

**Formosum.**—Slender spikes of flowers, dark blue, nice for cutting, 3 feet. 30 cts. each; \$2.50 per doz.

**Gold Medal Hybrids.**—This is a very choice collection, raised from the finest named varieties, procured from the best specialists in Europe and produces the finest spikes of bloom from 2 to 5 feet with double and single flowers in all shades from the deepest indigo to the palest silvery blue. Each, 25 cts.; doz., \$2.50.

### DELPHINIUM, CHINENSIS SPECIES

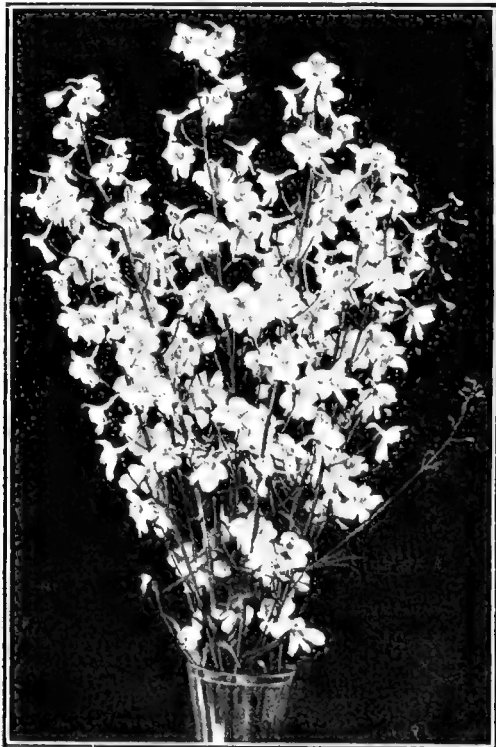
**Alba.**—A distinct species, with finely cut foliage, bearing spikes of medium-size, pure white flowers in great profusion; blooms all summer. 25 cts. each; \$2.50 per doz.

**D. Blue.**—Same as *Chinensis Alba*, but with brilliant deep blue flowers; blooms all summer; handsome. 25 cts. each; \$2.50 per doz.

**Dianthus Plumarius.**—Fragrant and beautiful hardy border pink, double and semi-double varieties in beautiful colours. 25 cts. each; \$2.50 per doz.



*Echinops Ritro.*



*Delphinium Hybr. Moerheimi*

### *Dianthus Latifolius Atroccoccineus*, Fl. Pl.

(*Everblooming Hybrid Sweet William*).—This is a cross between an annual Pink and Sweet William, combining the free and continuous blooming qualities of the former with the hardiness of the latter: in colour an intense velvety crimson scarlet; blooms the first year from seed and one of the finest subjects for any position in the garden. 25 cts. each; \$2.50 per doz.

***Dicentra Spectabilis*.** (Bleeding Heart, or Seal Flower).—An old-fashioned favorite; its long racemes of graceful heart-shaped flowers are always attractive and especially valuable for planting in the shade. 3 feet. 35 cts. each; \$3.50 per doz.

***Dictamnus Albus*.** (Gas Plant).—An old plant of vigorous growth, emitting a strong lemon odor. The flower will give a flash of light on a sultry summer evening if a lighted match is held near them. White, 2 to 3 feet; June-July. 35 cts. each; \$3.50 per doz.

***Dictamnus Caucasicus*.**—A new and gigantic form of the pink variety. Flowers fully double the size of the type. 35 cts. each; \$3.50 per doz.

***Digitalis Gloxinaeflora*.**—(Foxglove).—A beautiful strain of finely-spotted varieties. We offer them in White, Purple, Yellow, Rose or Mixed. 25 cts. each; \$2.50 per doz.

***Doronicum Plantagineum Excelsum*.**—One of the very best, showiest and most satisfactory of herbaceous plants. The flowers are borne upon long straight stems, which render them convenient for cutting, and are of the brightest golden yellow. Blooms May and June. Each, 30 cts.; \$3.00 per doz.

***Echinops Ritro*.**—Globe Thistle. This is the best species of this genus for cultivation. The dark blue, globular heads are very showy and useful for cutting. 25 cts. each; \$2.50 per doz.

**ERIGERON, Hybridus Roseus.** Interesting and attractive plants for permanent positions. The Aster-like flowers are about 1 inch across, of a beautiful purplish-rose, with a golden-yellow centre. It is a hardy perennial, but will flower the first year if sown early, without interruption, from May until frost. 25 cts. each; \$2.25 per doz.



## HARDY PERENNIAL PLANTS—Continued

**Eryngium Amethystinum.**—Has heads of hand-blue flowers. It is inclined to spread from seed, and, therefore, should not be allowed to scatter its seeds. This is guarded against by cutting back after blooming. 25c. each; \$2.50 per doz.

**Eupatorium Ageratoides (Thorough Wort).**—A strong, free growth, 3 to 3½ feet high, with minute white flowers in dense heads, splendid for cutting; August and September. 25c. each; \$2.50 per doz.

**Euphorbia Polychroma Milk Wort.**—Grows from 10 to 12 inches high, and forms neat clumps with Cypress-like foliage, and during the month of May showy trusses of bright yellow flower-like bracts; very effective even when out of bloom. 30 cts. each; \$3.00 per doz.

**Funkia.**—(Plantain Lily).—The Plantain Lilies are amongst the easiest plants to manage; their broad, massive foliage makes them attractive subjects for the border even when not in flower.

**Funkia Fortunei.**—Large glaucous green foliage, lilac colored flowers; 2 feet.

**Funkia Minor Alba.**—A pretty miniature-growing variety, with rather large white flowers.

**Funkia Subcordata grandiflora.**—Pure white, lily-shaped; flowers in August.

**Funkia undulata media picta.**—Green and white variegated foliage, purple flowers. Makes a fine edging.

**Funkia Thomas Hogg.**—Bright green leaves, with broad white margin.

Price: 25 cts. each; \$2.50 per doz.

**Gypsophila Paniculata Fl. Pl.**—The single flowering form has always been a favorite, its misty bloom being indispensable in a naturally arranged bunch of flowers. Add to this the pretty little double, rosette-like flowers of this new form, which are produced in much-branched panicles 3 to 3½ feet high, and we have a plant not only valuable for cutting, but a most desirable addition to the hardy border. 25 cts. each; \$2.50 per doz.

**Gypsophila Paniculata.**—Small white flowers in great profusion. 2 feet. 20 cts. each; \$2.00 per doz.

**Galega Officinalis.**—Ornamental tallish plants well suited for flower borders, provided they have plenty of room, covered with racemes of pea-shaped flowers blue and white, much valued for cutting. 25 cts. each; \$2.50 per doz.

**Geum Coccineum.**—(Mrs. Bradshaw).—This fine variety produces very large flowers 2 inches or more across, semi-double, with large waved petals of the most brilliant scarlet. They are borne on long wiry stems continuously from June to October. For cutting purposes it is most useful, while for border decoration it will be found superior to all other varieties of Geum. Each, 30 cts.; doz., 3.00.

**Gaillardia Grandiflora.**—(Kelway's).—One of the showiest hardy perennials, blooming throughout the entire season; large gorgeous flowers of crimson and gold, excellent for cutting. 2 feet. 25 cts. each; \$2.50 per doz.

**Gillenia Trifoliata.**—(Bowman's Root).—A desirable strong-growing perennial, suitable for the mixed border, rockeries, or other hardy gardens. Handsome trifoliolate foliage and numerous white flowers, tinged with pink. July. 3 feet. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

**Helenium, Riverton Beauty.**—Pure lemon yellow with large disc of purplish black. 25 cts. each; \$2.50 per doz.

**Helenium Autumnale Superbum.**—Golden-yellow flowers during the late summer and fall months; 5 to 6 feet. 25 cts. each; \$2.50 per doz.

**Helenium Jullsonne.**—A new introduction, with flowers of a magnificent dark yellow and velvet-brown center. Blooms from the end of August to November. 25 cts. each; \$2.50 per doz.

**Helenium Hoopesii.**—Large; orange-yellow; begins to flower in June and continues all summer. 2 ft. 25 cts. each; \$2.50 doz.

**Helenium Riverton Gem.**—Old-gold, changing to wallflower-red 25c each; \$2.50 per doz.

**Hemerocallis Flava.** (Yellow Day Lily).—A most useful desirable herbaceous plant, producing its large, fragrant yellow flowers during July and August in the greatest profusion; the plants grow about 3 feet high. 25 cts. each; \$2.50 per doz.

**Hemerocallis Aurantiaca.**—A new species of recent introduction, with very large, deep orange flowers, shaded brown. One of the finest hardy plants. 2 ft. July. 30 cts. each; \$3.00 per doz.

**Hemerocallis Thunbergii.**—The latest to flower; rich, buttercup-yellow, funnel-shaped flowers throughout July; 4 feet. 25 cts. each; \$2.50 per doz.

**Hemerocallis Dumortieri.**—Very dwarf; 18 inches; flowering in June; rich, cadmium-yellow; buds and reverse of petals bronze-yellow. 25 cts. each; \$2.50 per doz.

**Hemerocallis Middendorffii.**—A profuse bloomer over a long season. Flowers deep golden yellow; three to five in a terminal head. Two to 3 feet high. 25 cts. each; \$2.50 per doz.

**Helianthus, Miss Mellish.**—One of the most valuable perennial Sun-flowers. Attains a height of 5 to 7 feet in good soil, and soon forms large clumps. Flowers golden yellow, averaging 4 inches across, during September and October. 25 cts. each; \$2.50 per doz.

**Heliopsis Scabra Zinniaeflora.**—A new double-flowering form, bearing golden-yellow Zinnia-like flowers. In addition to being a very showy plant in the hardy border, it is one of the best perennials for cutting. 25 cts. each; \$2.50 per doz.

**Heliopsis Pitcheriana.**—Flowers deep golden yellow; a perpetual bloomer; fine for cutting. 20cts. each; \$2.00 per doz.

**Ferguson's Superb Double Hollyhocks.**

Few hardy plants combine as many good qualities as the Hollyhock. For planting in rows or groups on the lawn, or for interspersing among shrubbery, they are invaluable. The Hollyhock requires a rich, deep soil, well drained, and will repay any extra care. A slight protection during the winter will be beneficial. Double white, double yellow, double rose, double red, double maroon, double salmon, double mixed. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

**Newport Pink.**—A charming variety, which originated in one of the famous gardens at Newport, R.I., and awarded a certificate of merit by the Royal Horticultural Society of London in 1912. It is of strong, vigorous habit, producing colossal spikes of very double pure pink flowers, a shade that is eagerly sought for in all classes of plants. 25 cts. each; \$2.50 per doz.

**Allegheny.**—Mammoth flowers, wonderfully formed of loosely arranged fringed petals, which look as if made from the finest China silk. The colors vary from the palest shrimp-pink to deep red. The plants are of strong growth, sending up spikes 6 to 7 feet high; mixed colors. 20 cts. each; \$2.00 per doz.

**HESPERIS Matronalis.**—(Sweet Rocket).—Plant 2 to 3 feet high; various-flowered; sweet-scented in the night. South Europe and Asia. Flowers in June. 25 cts. each; \$2.50 per doz.

**Hyacinthus Candicans.**—They contrast elegantly with *Gladiolus*. Planted anywhere singly or in clumps, they are magnificent. For a cemetery nothing can be more beautiful or appropriate, and nothing thrives better in any situation. 20 cts. each; \$2.00 per doz.

**Heuchera, Pluie de Feu.**—A greatly improved form of this type, with graceful spikes of flowers of fiery red color. Very beautiful, June and July. 75 cts. each; \$6.00 per doz.

**Heuchera Sanguinea.**—Brilliant crimson, 18 inches. Each, 30 cts.; \$3.00 per doz.

**Hibiscus (Mallow).**—A very showy plant for any position, but succeeds especially well in damp places. Very large, single, hollyhock-like flowers produced during the entire summer.

**Hibiscus Crimson Eye.**—Flowers of immense size; pure white, with a large spot of deep velvety crimson in the centre. 25 cts. each; \$2.50 per doz.

**Hypericum Moserianum.**—A most desirable border plant, of free and graceful habit, producing long, slender, much-branched stems, leafy to the base and all drooping towards the ends, apparently from the weight of the flowers and buds, although the flowers face so none of their beauty is lost. It is marvellously free-flowering, of large size, measuring from 2 to 2½ inches in diameter; in color a rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers, and blooms continuously the entire season; 2 feet. Strong plants, each \$1.00.

**Iberis Sempervirens.**—(Evergreen Candytuft).—Few hardy perennials afford a more prolonged display than this. Its flowers often remain fresh a month. Well adapted to any place in the garden where the sun can strike it. May and June. Southern Europe. 25 cts. each; \$2.50 per doz.

**Incarvilleae Grandiflora.**—More vigorous grower than *I. Delavayi* with flowers of double its size and of a brighter and warmer colour. Effective rare plant. Extra strong plants, that have flowered. 25 cts. each; \$2.50 per doz.

**Incarvilleae Delavayi.**—(Hardy Gloxinia).—One of the choicest perennial plants. It produces large gloxinia-like rose-colored flowers, which last in perfection a long time; these are produced in clusters on stems 18 inches high, in June and July; succeeds in sun or shade. 20 cts. each; \$2.00 per doz.

**Inula "Golden Beauty."**—A new and distinct variety of *Inula*. The flowers are clear golden yellow, 2 or 3 inches in diameter; borne on long, slender stems, making it most useful for cutting. The plants grow to a height of 1½ to 2 feet. 30 cts. each; \$3.00 per doz.

**Inula Glandulosa Grandiflora.**—Enormous rich orange yellow flowers, 4 to 5 inches in diameter. 18 inches. 25 cts. each; \$2.50 per doz.

## HARDY PERENNIAL PLANTS—Continued

### JAPANESE IRIS

One of the most beautiful of our Summer-flowering bulbs, in its combination of color and beauty far excelling any other type. Flowers often 10 to 12 inches in diameter in July. They require rich, moist soil.

The collection we offer below are **Canadian grown**, true to colour and name, which is rarely evident in the imported Japanese stock.

- Apollo**.—Single. Pure white, pink center.  
**Blue Wing**.—Single. Deep indigo blue, shaded purple; freely striped and flaked white.  
**Delice**.—Double. Very light, delicate lavender, shaded lavender-pink. Conspicuous yellow marks at base of petals. Very pretty.  
**Distinction**.—Single. Light, lavender-pink, bright yellow blotches at base of petals. Distinct and fine.  
**Dominator**.—Single. Rich indigo blue with narrow white stripes and light center. One of the finest and richest colors.  
**Gold Bound**.—Double. Pure white, one of the best.  
**Mt. Hood**.—Double. Light blue shaded darker; bright orange center.  
**P. C. DeRohan**.—Double. Light purple, shaded violet. Center dark purple.  
**Pyramid**.—Double. Light blue, veined white.  
**Robert Craig**.—Double. French gray, veined violet.  
**Templeton**.—Double. Light violet shade, mottled reddish pink and white. Often triple and exceedingly fine form.  
**T. S. Ware**.—Double. Reddish violet veined white. Center white slightly marked lemon.  
**Victor**.—Double. White, veined purple. Violet purple center.  
**Price: 30 cts. each; \$3.00 per doz.**

### GERMAN IRIS

Of the easiest culture and thrives in any ordinary garden soil blooming profusely in May and June. Remarkably rich and beautiful in color, very fragrant, perfectly hardy. Very effective when grouped; excellent for cutting.

- Admiral Togo**.—White, faintly tinged lavender; falls and standards lightly bordered purple. Of the habit of Mme. Chereau. Extra fine, clean colour.  
**Aurea**.—Rich chrome-yellow. The finest pure yellow.  
**Brooklyn**.—Standards lavender, yellow at base; falls pale blue; base veined brown on a white ground; edged yellow splashed with dark blue; beautiful.  
**Darius**.—Single rich canary-yellow; falls lilac, margined white, rich orange beard. One of the most distinct and beautiful.  
**Flavescens**.—Self-colour, canary yellow.  
**Florentina Alba**.—An excellent variety for cutting and an early bloomer. Flowers ivory white tinged with lilac. The Orris Root variety of commerce.  
**Gracchus**.—Standards clear yellow; falls marked red, reticulated white. A very conspicuous variety.  
**Herant**.—Standards bright blue; falls much darker. A beautiful, broad-leaved sort; early flowering.  
**Her Majesty**.—New and very beautiful. One of the choicest Standards, lovely rose-pink. Falls bright crimson tinged with darker shade. The blending of tints and colorings are rare for an Iris.  
**Honorable**.—Intense yellow, falls a beautiful bronze.  
**Loreley**.—Standard pale yellow mottled purple; falls purple deeply veined yellow margin.  
**Mme. Chereau**.—Pure white, edged with azure blue; falls deep white, blue pencilling.  
**Mrs. H. Darwin**.—Pure white, falls slightly reticulated violet at the base; very beautiful and free flowering; two feet. Early.  
**Queen of May**.—This is very satisfactory and well adapted everywhere. It is soft, rosy lilac, almost pink—a colour rare among Iris.  
**Velveteen**.—Yellowish buff; falls intense plum purple.  
**Princess Victoria Louise**.—Height, thirty inches; single pale yellow; falls rich violet, edged cream. Very fresh coloring and especially attractive in the garden.  
**Pallida Dalmatica**.—A queen among flowers; grand and stately. Single lavender; falls clear deep lavender. Flowers large and extra fine.  
**Pallida Speciosa**.—The great purple, or turkey flag. Single dark lavender shaded lighter; falls shaded light purple. Quite tall.  
**Pallida Albert Victor**.—Forty inches; single and falls clear lavender.  
**Price: 25 cts. each; \$2.50 per doz.**

- Lathyrus Latifolius**.—Perennial Pea; Everlasting Pea. A very desirable perennial, and though the flowers are not fragrant, like the sweet pea, they are very handsome and well worth growing.  
**Lathyrus Latifolius**.—Deep rosy-red. 25 cts. each; \$2.50 per doz.  
**Lathyrus Pink Blossom**.—A new variety, with flowers of a delicate apple-blossom-pink, shaded white; a continuous bloomer. 30 cts. each; \$3.00 per doz.

**Lathyrus White Pearl**.—A magnificent pure white variety, with trusses and flowers of unusual size, blooming continuously. 30 cts. each; \$3.00 per doz.

**Linum Perenne (Flax)**.—A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. 25 cts. each; \$2.50 per doz.

**Liatris (Blazing Star)**.—Striking plants for the hardy border, with tall, rocket-like spikes of rosy purple flowers, 4 to 5 feet high. Succeeded in any position.

**Liatris Scariosa**.—Deep purple flowers. 4 feet. 35 cts. each; \$3.50 per doz.  
**Liatris Spicata**.—Brilliant purple. 35 cts. each; \$3.50 per doz.  
**Liatris Calliopsis**.—Clear carmine pink. 35 cts. each; \$3.50 per doz.

**Lily of the Valley**.—Clumps. Each, 25 cts.

**Lythrum Roseum Superbum**.—Rose Loosestrife. A strong-growing plant, 3 to 4 feet in height, producing long spikes of rose-coloured flowers from July to September. 30 cts. each; \$3.00 per doz.

**Lobelia Cardinalis**.—Cardinal Flower. Handsome plants thriving in a moist, deep soil, where they will not suffer from drought; long spikes of intense fiery scarlet flowers. 30 cts. each; \$3.00 per doz.

**Lupinus Polyphyllus**.—(Lupine.)—Effective plants, producing large spikes of flowers. Mrs. Ely says of them: "May be planted either in the autumn or early spring. These plants bloom from about the 20th of May for three weeks, and grow about 3 feet high. Being perfectly hardy and free from attack of insects, they are especially valuable. They require only well prepared garden soil and to be kept watered in dry weather, which should always be done, if possible, late in the afternoon."

**Lupinus Polyphyllus**.—Clear blue. 25 cts. each; \$2.50 per doz.  
**Lupinus Alba**.—A white variety of above. 25 cts. each; \$2.50 per doz.  
**Lupinus Moerheimi**.—A comparatively new variety and a plant that, on account of its clean, bold growth, always attracts attention. The spikes of flowers are frequently over a foot long, in colour superb, being a combination of light and dark shades of pink without a trace of magenta. 35 cts. each; \$3.50 per doz.

**Lychnis Chalcedonica**.—A most desirable plant, heads of brilliant orange-scarlet in June and July; grows 2 to 3 feet high. Each, 25 cts.; doz., \$2.50.

**Lychnis Haageana**.—Flowers scarlet, nearly 2 inches across, 8 to 12 inches. 25 cts. each; \$2.50 per doz.

**Lychnis Arkwrightii**.—A cross between *L. Chalcedonica* and *Haageana*, having the upright habit of *Chalcedonica*, with the flowers of *Haageana*, but very greatly improved. A botanical novelty of great merit and a decided acquisition. 40 cts. each; \$3.50 per doz.

**Lysimachia Fortunei**.—(Loosestrife).—Long, recurved spike of pure white flowers, from July to September. A desirable variety. 2 feet. 25 cts. each; \$2.50 per doz.

**Lysimachia Punctata (Golden Loosestrife)**.—Fine plant for waterside or wild gardens, bearing spikes of yellow flowers. July and August. 3 feet. 25 cts. each; \$2.50 per doz.

**Malva Moschata**.—Musk Mallow. Flowers rose or white, about 2 inches wide, in terminate axillary clusters; height about 2 feet; branching. A handsome perennial native of Britain. 20 cts. each; \$2.00 per doz.

**Meehan's Mallow Marvels**.—The most remarkable creation of the day. Absolutely hardy, the Mallow Marvels have been tested, and are thriving in Canada and in the mountain portions of the northern states as successfully as in Georgia and Florida. A plant for all sections of the country. Individual blooms are as large as ten inches across. Plants labelled to colour as they flower. Every plant sold true to colour. Price: White Marvel, Red Marvel, Pink Marvel, \$1.00 each.

**Monarda Didyma**.—Cardinal-red flowers in large, showy heads 2 or more inches across, on leafy, angled stems about 3 feet high, and when massed for distinct effects against a dark background, its brilliant flowers give bright, semi-tropic garden pictures in summer. 25 cts. each; \$2.50 per doz.

**Pansies, Ferguson's Giant Show**.—For richness and variety of colouring we believe these plants are unsurpassed. 15 cts. each; \$1.25 per doz.

## HARDY PERENNIAL PLANTS—Continued

### PEONIES (Double) A few good Peonies

**Albâtre.**—Second to none for this type of bloom. Large milk white, rose type flower with wide central petals, edged with carmine; quite variable, some blooms having a collar developed into a crown bloom, when in the last stages of growth. \$1.00 each.

**Augustin d'Hour.**—Large, medium, compact, bomb. Dark, brilliant solferino-red, slight silvery reflex. Medium tall, free bloomer. Midseason. Extra. 75 cts. each.

**Albert Crousse.**—Very large, flat, compact, bomb. Rose-white, flecked crimson. Fragrant, tall, erect, free bloomer. Late, extra. \$1.50 each.

**Baroness Schroeder.**—One of the finest in existence. A beautiful baby pink, fading to purest white. A prolific bloomer, deliciously fragrant, scoring all points of excellence. \$2.50 each.

**Couronne d'Or.**—Extra good variety, large creamy white flowers with a golden yellow reflex, petals imbricated, those in centre bordered with carmine. 75 cts. each.

**Duchess of Teck.**—Large, globular, rose type. Brilliant rose, with fiery reflex, edges of petals changing to silvery white. Very distinct and beautiful. \$1.00 each.

**Dr. Bretonneau.**—Large compact rose type. Guards pale lilac, center milk-white, shaded amber. Fragrant. Tall, strong grower, very free bloomer. Midseason. Extra commercial variety. 60 cts. each.

**Edulis Superba.**—Deep rose-pink with lighter shadings. The earliest in our collection. 50 cts. each.

**Felix Crousse.**—Large anemone ball-shaped bloom, very brilliant red, ruby flame-colored centre, one of the best reds. 75 cts. each.

**Festiva Maxima.**—The Peerless flower, "Queen of the Whites." Immense white flower with drops of carmine in centre. Blooms often measure 6 inches across. Very early. Extra fine commercial variety. 50 cts. each.

**Jeanne d'Arc.**—Outside petals rose-colored, inside straw-colored, with crimson spots; extra. 50 cts. each.

**L'Indispensable.**—Delicate shell pink. Exceedingly beautiful flower when conditions of soil and weather are favorable to its full development, but its extremely hard bud is so long in opening that it is pretty sure to get water-logged by a shower before it develops. Sold by some as Eugene Verdier at an enormous price. 75 cts. each.

**Mme. de Verneville.**—Pure white center tipped with carmine. Very large, full, bombshape; fragrant; medium height; strong growth. Early. 75 cts. each.

**Mme. Calot.**—Flesh white, tinged pale hydrangea pink; center shaded slightly darker with a sulphur tint; very large, full, globular bloom; fragrant, early abundant bloomer. 75 cts. each.

**Marie Lemoine.**—Enormous, very full bloom, sulphur white slightly shaded chamois, narrow carmine edge, very late, magnificent variety. 75 cts. each.

**Marguerite Gerard.**—Large compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals minutely flecked dark carmine. Very strong, medium height, free bloomer. Late. Extra. \$1.50 each.

**Duchess de Nemours.**—Guard petals white, center lemon yellow, cup-shaped; at first it develops into a large bloom; gradually fading to white; fragrant, strong grower and free bloomer. Extra good commercial variety. Follows two to three days later than Festiva Maxima. 50 cts. each.

**Sarah Bernhardt.**—Rose type, large informal flower with violet-rose guards and amber-white centre, very strong, free and early; an ideal flower for both cut flower and landscape. \$3.50 each.

### MIXED PEONIES AND PEONIES TO COLOR.

Without Names.

We offer these only in strong 3 to 5 crown divided roots at 35 cts. each; \$3.50 per doz.

Double White  
Double Pink

Double Red  
Double Mixed Colours

### PAEONIA OFFICINALIS

This type is the real old-fashioned "Peony" and comes into bloom from ten days to two weeks ahead of the other herbaceous sorts. All are strong growers, with large, full, double, fragrant flowers.

**Mutabilis Alba.**—Blush-white. **Rosea.**—Bright rose-pink. **Rubra.**—Brilliant glowing deep crimson. 95 cts. each

A LIST OF PEONIES COVERING EIGHTY-FIVE OF THE BEST VARIETIES, WITH FULL DESCRIPTION, WILL BE MAILED GRATIS, ON APPLICATION.

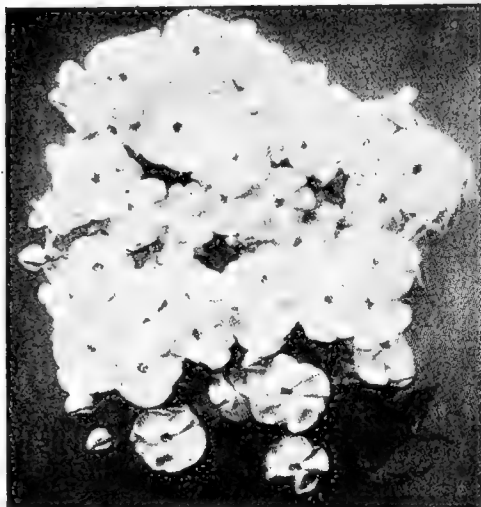
### Physostegia Virginica Rosea Compacta.

This flowering plant may be classed as one of the finest herbaceous plants for border and for cutting alike. It surpasses the old kind by its compact habit, its size and abundance of flowers. Sown early in spring it will flower the first summer; perfection, however, is attained in second year. 25 cts. each; \$2.50 per doz.

**Platycodon Grandiflorum.**—Six to 15 inches high. Large, solitary, white

or blue flowers at the ends of the branches. China and Japan. Summer. 25 cts. each; \$2.50 per doz.

**Platycodon Album.**—25 cts. each; \$2.50 per doz.



Phlox Antonin Mercler

### FURGUSON'S "SUPERB"

Collection of Fifteen

### HARDY PHLOX

The varieties described below, recent introductions of noted European specialists, show great advances in colour and colour combinations.

**Aegir.**—Brilliant scarlet red, does not burn in the sun.

**Antonin Mercler.**—Very large; pure white centre, bordered clear lilac; fine.

**Distinction (New).**—A novelty somewhat in the style of Coquelicot, but it produces much larger trusses and flowers; color, glistening scarlet blood-red.

**Elizabeth Campbell.**—Very bright salmon-pink, with lighter shadings and dark red eye; attracts more attention than any other variety; one of the handsomest.

**Europa.**—A white variety, with a decided crimson-carmine eye. The individual flowers and trusses are very large; entirely distinct; of remarkably sturdy, erect habit.

**Mont Blanc.**—This is undoubtedly the finest pure white Phlox which has as yet been raised. It has a strong habit and produces flowers of an enormous size—often larger than a silver dollar—and perfect form.

**Fascination.**—Intensely brilliant salmon-red, with a white eye.

**Jules Cambon.**—Deep rose pink with large white centre. Very showy and beautiful, height 3 feet.

**Le Mahdi.**—Metallic, bluish violet; fine large truss; extra.

**Mardel Turbat.**—Colour like "Eclairer" with fine, variegated leaves.

**Miss Ellen Willmott.**—Rosy pink, with lighter centre, splendid new colour.

**Riverton Jewel.**—New variety with flowers of a mauve-pink colour, and brilliant carmine-red eye.

**Livingston (New).**—Immense trusses, with blooms larger than a silver dollar. Beautiful, clear pink; extra fine.

**Salma.**—Tender soft pink with a large crimson centre. A lovely new variety of perfect form.

**Thor.**—A most beautiful and lively shade of deep salmon-pink, suffused and overlaid with a scarlet glow. A light, almost white halo surrounds the aniline red eye. This lovely variety will hold the same place among the deep salmon pinks that the popular Elizabeth Campbell holds among the light salmon-pink sorts.

**Price.**—Any of the above new sorts, 35 cts. each; \$3.50 per doz. Standard Named Varieties.—Each, 25 cts.; doz., \$2.50.

### PHLOX SUBULATA

(Moss, or Mountain Pink).

An early spring-flowering type with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of bloom. An excellent plant for the rocky, or the border, and invaluable for carpeting the ground or covering graves.

**Bridesmaid.**—Purple tinted white.

**Alba.**—Pure white.

**Rosea.**—Bright rose.

**G. F. Wilson (New).**—Clear, delicate lavender, a superb and rich colour. We recommend this strongly as a most desirable shade. Each, 25 cts.; per doz., \$2.50; per 100, \$15.00.

## HARDY PERENNIAL PLANTS—Continued

### EARLY FLOWERING HARDY PHLOX

(Phlox Suffruticosa).

**Miss Lingard.**—This grand white variety is one of the most popular sorts grown; it grows about 2 feet high and starts to bloom in May, continuing to flower until late in October and is always attractive. 35 cts. each; \$3.50 per doz.

**Phlox Divaricata Canadensis.**—One of our native species, which is worthy of extensive planting, commencing to bloom early in April and continuing through May, with large, fragrant lavender flowers on stems 10 inches high. 25 cts. each; \$2.50 per doz.

**Polemonium Richardsonii.** Large heads of lovely sky-blue flowers, with golden-yellow anthers; fragrant odor like that of ripened grapes and are fine for cutting. 2 feet. 25 cts. each; \$2.50 per doz.

**P. Album.**—White variety of above. 25 cts. each; \$2.50 per doz.

**Poppies, Oriental.** (Papaver).—The most gorgeous family of hardy border plants in cultivation, most easily cultivated in any border, or shrubby Mixed varieties, 30 cts. each; \$3.00 per doz.

**Poppy Iceland.**—Different colours from May to October. 9 to 15 inches. 30 cts. each; \$3.00 per doz.

**Polygonum Cuspidatum.**—(Giant Knotweed).—A tall-growing species attaining a height of 5 to 7 feet, and producing during August and September long drooping clusters of white flowers at the axil of each leaf along the upper half of the stem; a striking plant for the shrubbery or as an isolated specimen. 40 cts. each; \$4.00 per doz.

**Pyrethrum Hybridum.**—Too much cannot be said in favor of this grand hardy perennial, which will thrive in any good garden soil where there is good drainage and full exposure to the sun. Splendid for cutting, lasting a week in good condition. In choicest mixture. 25 cts. each; \$2.50 per doz.

**Rudbeckia Newmanii.**—Dark orange-yellow flowers, with deep purple cone, borne on stiff, wiry stems, 3 feet high, admirably fitting it for cutting. Flowers July to October. 25 cts. each; \$2.50 per doz.

**Rudbeckia Purpurea** (Giant Purple Cone-flower).—Flowers about 4 inches across, of a peculiar reddish-purple, with a remarkably large, cone-shaped centre of brown; forms bushy plants from 2 to 3 feet high, and blooms from July to October. 25 cts. each; \$2.50 per doz.

**Salvia Azurea Grandiflora.**—A Rocky Mountain species. Slender spikes of pale blue flowers in great abundance during August and September. 3 feet. 25 cts. each; \$2.50 per doz.

**Scabiosa Caucasica** (Blue Bonnet).—A soft, charming shade of lavender. 15 to 18 inches; July to September. 25 cts. each; \$2.50 per doz.

**Scabiosa Alba.**—The white-flowering form of above. 25 cts. each; \$2.50 per doz.

**Senecio Veitchianus.**—Bright yellow flowers, borne on tall stems, rise from the widespreading tuft of large cordate leaves, 4 to 5 feet. 25 cts. each; \$2.50 per doz.

**Sedum Spectabile.**—One of the prettiest erect-growing species, attaining a height of 18 inches, with broad light green foliage, and immense heads of handsome showy rose-colored flowers; indispensable as a late fall-blooming plant. 30 cts. each; \$3.00 per doz.

**Spiraea Aruncus Kneiffi.**—A new variety with finely cut fern-like foliage, and great sprays of silvery-white flowers in June. 3 to 4 feet. 40 cts. each; \$4.00 per doz.

**Spiraea Filipendula Fl. Pl.**—Fern-like foliage, corymbs of double white flowers. 1 ft. June and July. 30 cts. each; \$3.00 per doz.

**Statice (Sea Lavender) Eximia Flore-Albo.**—A graceful plant for the border or rockery, with large, spreading panicles of small "everlasting" flowers which rise from a rosette base of large, glossy, leathery leaves. The flowers may be dried for winter decoration in vases, etc. 25 cts. each; \$2.50 per doz.

**Stokesia Cyanea.**—Cornflower Aster. Deep lavender-blue flowers, 4 inches in diameter. Very free bloomer of the easiest culture. 25 cts. each; \$2.50 per doz.

**Stokesia Alba.**—A new white form. 25 cts. each; \$2.50 per doz.

**Stachys Lanata.**—The blooms are striped, in whorls; leaves thick, soft and woody. A fine border plant. June and July. 25 cts. each; \$2.50 per doz.

**Thalictrum (Meadow Rue).**—Very graceful, pretty-flowered plants, with finely-cut foliage; great favorites for planting in the hardy border; the dwarfier varieties also being effective and useful in the rockery.

**Aquilegifolium Atropurpureum.**—Elegant, graceful foliage and masses of rosy-purple flowers; May to July; 2 to 3 feet. 25 cts. each; \$2.50 per doz.

**Aquilegifolium Album.**—Pure white flowers. 25 cts. each; \$2.50 per doz.

**Glaucum.**—Fine-cut foliage; bronzy-yellow flowers in June; 2 feet. 25 cts. each; \$2.50 per doz.

**Rare Thalictrum Diptercarpum.**—A pretty and distinct species, with flowers of a charming shade of lilac mauve, which is brightened by a bunch of lemon-yellow stamens and anthers. The plant is of strong growth, about 4 feet high; the dainty flowers are produced in graceful sprays during August and September 40 cts. each; \$4.00 per doz.

**Trollius Europaeus.**—Common Globe Flower. Stems 6 to 20 inches high, bearing pale yellow flowers an inch or more wide. A very interesting plant with handsome flowers; June to August. 40 cts. each; \$4.00 a doz.

**Tunica Saxifraga.**—A pretty tufted plant with light pink flowers; produced all summer; useful either for the rockery or the border. 25 cts. each; \$2.50 per doz.

**The Everblooming Tritoma Pfitzeri.**—The greatest bedding plant ever introduced, surpassing the finest Cannas for attractiveness and brilliancy, equal to Gladiolus as a cut flower and blooms incessantly from June till frost. Plants show from 6 to 10 grand flower stalks all the time, each holding at a height of 3 to 4 feet a great cluster of flame-colored flowers of indescribable beauty and brilliancy. For cutting it is unsurpassed, and the beautiful long spikes keep several weeks in water. Without a single exception, it is the most desirable garden flower. Each, 25 cts.; doz., \$2.50.

**Valeriana Officinalis Alba.**—The old-fashioned garden Heliotrope, with white flowers and heliotrope fragrance, June and July; 4 ft. 25 cts. each; \$2.50 per doz.

**Veronica Longifolia Subsessilis.**—Is destined to create as much favor in the flower world as did the Golden Glow. It is the handsomest blue-flowered plant we know of, growing to a height of 2 feet and completely studded with its spikes of blue flowers. Its flowers are fine for cutting. It is perfectly hardy and increases in strength and in beauty each succeeding year. It makes the best blue-flowered hardy border plant obtainable. 40 cts. each; \$4.00 per doz.

**Veronica Spicata.**—An elegant border-plant, growing long spikes of bright blue flowers in June and July. 25 cts. each; \$2.50 per doz.

**Yucca Filamentosa (Adam's Needle).**—Among hardy ornamental foliage and flowering plants, this can be classed at the head of the list. Its broad sword-like foliage and 5 to 6 feet tall branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. 50 cts. each; \$5.00 per doz.

**Verbascum Nigrum.** (Mullein).—Handsome, bright yellow flowers in June. Plant 2 feet high and very stately; most effective in the border. Western Asia. 30 cts. each; \$3.00 per doz.

**Viola Cornuta.**—(True, Tufted Pansy.) Resembles the violet to November. 6 in. Mixed colors. 25 cts. each; \$2.50 doz.

**Vinca Minor.** (Periwinkle, or Trailing Myrtle).—An excellent dwarf evergreen trailing plant that is used extensively for carpeting the ground under shrubs and trees, or on graves where it is too shady for other plants to thrive. 15 cts. each; \$1.50 per doz.

**Sweet William.**—A well-known, attractive, free-flowering hardy perennial, producing in mid-summer a splendid effect in beds and borders with their rich and varied flowers. We can supply the following all grown from our own select strain of seed.

**Newport Pink.**—Rich salmony-rose.

**Pure White.**—Very large.

**Scarlet Beauty.**—Effective color. 25 cts. each; \$2.50 per doz.

### COLLECTIONS OF

#### OLD-FASHIONED HARDY PERENNIAL PLANTS

These are prepared especially for those who are unacquainted with this class of plants, and are composed exclusively of the easiest-growing freest flowering varieties, and also covering the longest flowering period.

12 distinct species, our selection	\$ 2.00
25 distinct species, our selection	4.00
50 distinct species and varieties, our selection	7.00
100 distinct species and varieties, our selection	12.00



# ROSES FOR THE GARDEN—

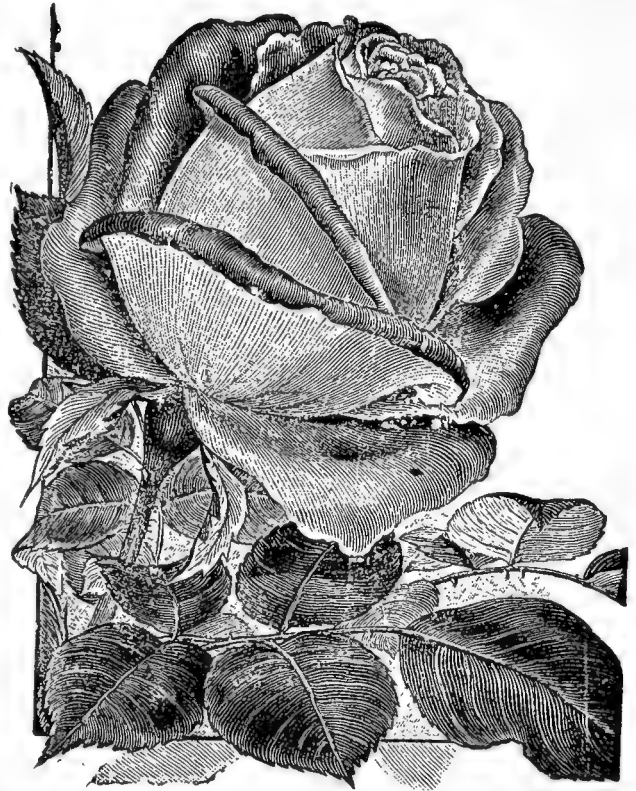
The varieties we offer are two-year old, field-grown, low budded plants and if planted as directed will produce the finest flowers the first year.

**PLANTING.**—The ideal time to plant Roses is in the spring, just as soon as the ground can be worked and after danger from frost is past. All budded or grafted Roses should be planted deeply so that the junction "B" (see cut) of stock and scion will be at least three inches below the surface of ground "A." If this is done, there will be little danger of "suckering," which is the only objection offered against budded Roses. They are more vigorous, produce finer flowers, bear sooner and are just as hardy and are even more permanent than own root plants. An open sunny position sheltered from north winds is desirable. Roses will grow in any good, well-drained garden soil. To get the best results in quantity and quality of bloom, the bed should be prepared in the autumn; dig it to a depth of two to three feet, filling in with a mixture of sod from an old pasture and well rotted cow manure. For Hybrid Perpetuals, use a sod from clay loam and for Hybrid Teas a somewhat lighter soil is preferable. Hybrid Tea varieties can be set 18 inches apart and Hybrid Perpetuals 2 feet apart. Be sure and tread the soil firmly about the roots, and give a thorough watering if the soil is dry. Keep the soil cultivated during the summer months; if this is done weekly, watering is all that will be necessary.

**PRUNING.**—Start pruning in early spring, beginning with Hybrid Perpetuals. Remove two-year-old wood and prune down the previous season's growth at least one-half. Cut back weak growth severely. All canes should be cut off about a quarter of an inch above an outside bud. Hybrid Teas are better not pruned till they first start growth. Dead or unhealthy wood is readily detected and can be cut away. They do not need as severe pruning as Hybrid Perpetuals. Climbing or Rambler Roses require no pruning beyond cutting out the very old or dead wood, or to make the growth conform to the space to be covered.

**WINTER PROTECTION.**—The Hybrid Perpetual and Hybrid Tea roses need winter protection nearly everywhere in Canada. One of the best methods is to heap up the soil about the base of the plants to a height of twelve to fifteen inches, and then bend the tips of the canes over and have them held down with soil. If available, some evergreen boughs thrown over the canes will help to protect them. On the prairies the whole bush should be protected with soil.

**DISEASES.**—We advise sprayings with Aphine in the spring while the plants are still in a dormant state; this will protect them from the scale. Use Aphine for green and black fly during growing season. Dry Bordeaux mixture may be used for mildew and all other fungus diseases.



## HYBRID PERPETUAL ROSES

**American Beauty.**—It is hardly necessary to describe this well-known beautiful rose, but we recommend planting this variety in a well-sheltered location.

**Captain Christy.**—Delicate flesh-tinted white; a large, full flower of good form; very free-flowering.

**General Jacqueminot.**—A celebrated and much sought for variety; shapely buds and handsome blooms of bright, shining crimson, rich, brilliant, velvety and fragrant.

**Hugh Dickson.**—Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant.

**Frau Karl Druschki.** (The White American Beauty or Snow Queen).—An everywhere hardy, vigorous grower, with bright green leaves, delicately veined; splendid long buds and magnificent snow-white blooms with large saucer-shaped petals. Rightly named and deservedly a prize winner.

**Magna Charta.**—Extra large, full flowers of unusual depth; sweet and of fine form; bright rosy-pink in colour; one of the hardiest and best bloomers.

**Margaret Dickson.**—Pure waxy-white flowers of magnificent form and size, with large bell-shaped petals and pale flesh center; produced singly on long, stiff stems; vigorous and absolutely hardy.

**Mistress John Laing.**—A beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent green foliage, forms a dainty and lovely boutonniere; immense, full blooms on long, stiff stems; sweetly scented.

**Madame Plantier.**—A very fine old rose which is well worth growing. Color creamy white, turning to pure white as the flower expands. Blooms of medium size, full. Exceedingly free flowering, and a very strong grower.

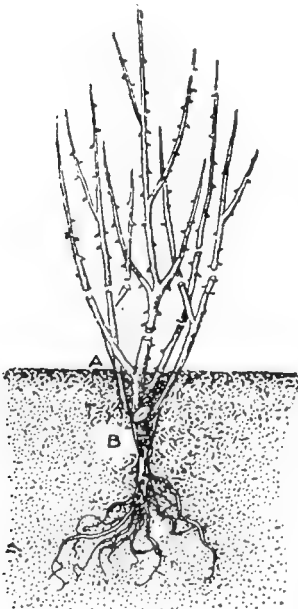
**Mrs. R. G. Sharman Crawford.**—Deep rosy-pink; outer petals shaded with pale flesh; one of the freest bloomers and a beautiful rose in every respect.

**Ulrich Brunner.**—Brilliant cherry red flowers of immense size and bold globular form. Seedling of Paul Neyron, strong and disease-resisting.

**Paul Neyron.**—The largest of all Rose bloomers; bright, dark rose, clear and beautiful; very double and full; finely scented; blooms all summer. Grows to a great height in a single season and stems are almost thornless.

**Pierre Camille de Rohan.**—Universally known as "The Black Rose," owing to its very deep, velvety-crimson colour, passing to intense maroon, and shaded black; large, handsome and fragrant blooms.

**PRICE:** Any of the above in strong two-year-old plants, 75 cts. each; \$7.00 per doz.



How Roses should be planted and pruned

## SELECT LIST OF HYBRID TEA ROSES

**Mevrouw Dora Van Tets.**—An introduction of the Holland Rose specialists, Leenders & Co., which in competition with introductions from Rose specialists from the entire Rose-growing world, was awarded the Grand Prize, a Gold Medal, at the Bagatelle Gardens in Paris in 1914 for the best foreign Rose shown, also a Gold Medal by the Holland National Rose Society. In colour, it is a glowing, deep crimson with velvety shadings; the flowers are of medium size, moderately full; of robust, vigorous growth, and always in bloom. Each, \$1.00; doz., \$9.00.

**General Superior Arnold Janssen.**—This Holland introduction, after two seasons' trial, has shown up most satisfactory; in colour an effective deep glowing carmine; with long, fine-formed buds, the open flowers full and sweet; a splendid long-stemmed cut flower. Each, \$1.00; doz., \$9.00.

**Mme. Edouard Herriot.**—Winner of the Gold Cup, which was offered by the London "Daily Mail" for the Best New Rose exhibited at the International Horticultural Exhibition, held in London, England, May, 1912. In competition with the world's greatest rosarians this much coveted prize was awarded to Mr. Pernet-Ducher for this wonderful novelty. It was again exhibited in London on May 1, 1913, at the Exhibition of the National Rose Society of England, where it was awarded the Society's Gold Medal. The plant is a strong, vigorous grower, of spreading, branching habit, with numerous long thorns and bronzy-green foliage. Mr. Pernet-Ducher describes its colour as follows: "Buds coral-red, shaded with yellow at the base, the open flowers of medium size, semi-double, are of a superb coral-red, shaded with yellow and bright rosy-scarlet passing to shrimp-red." A Wonderful Rose. The bud is long, slender and pointed, the colour is like sunshine on a copper-red metal. Each, \$1.00; doz., \$9.00.

**George Dickson.**—We give below Messrs. Dickson's own description of this beautiful Rose, all of which we can endorse from results seen. "Its vigorous growth, its thick leathery beech-green cordate foliage, bespeak rare constitution; it produces huge blooms quite five inches across. It never blues; browns or seals, and its huge, feathery, shell-shaped petals have wonderful lasting qualities, and are symmetrically arranged in the much-to-be-desired globular type. The colour is velvety black scarlet-crimson with brilliant scarlet reflexed tips, with heavy and uniquely pure crimson-maroon veining on the reverse. The blooms open naturally. Awarded Gold Medal, National Rose Society of England. Each, \$1.00; doz., \$9.00.

**Duchess of Wellington.**—Saffron-yellow changing to coppery-yellow; blooms full and of great substance. Very free and fragrant. Each, 75 cts.; doz., \$7.50.

**General McArthur.**—Vivid crimson scarlet, the most beautiful shade of any garden or forcing rose offered, retaining its brilliancy when expanded to flowers of superb form, larger than Liberty or Meteor; free from mildew. Each, 75 cts.; doz., \$7.50.

**George C. Waud.**—Orange vermilion, distinct and beautiful, large, perfect finish, floriferous, strong tea perfume, one of our best. Gold Medal, N. R. S. Each, 75 cts.; doz., \$7.50.

**Gruss an Teplitz.**—Hardy in all sections; grows freely to a height of four to five feet; vivid, dazzling, fiery crimson; sweetly fragrant; produces a mass of gorgeous blooms on long stems. Each, 75 cts.; doz., \$7.50.

**Hadley.**—Has proven to be one of the best garden varieties of its color, a rich crimson, varying to deep velvety crimson. Its well-formed, intensely fragrant flowers are produced continuously throughout the season. Each, 75 cts.; doz., \$7.50.

Spraying is a necessity, and our appliances and insecticides are the very best for the purpose.

**J. B. Clarke.**—Intense scarlet, shaded crimson-maroon; petals large, deep and rich, and sweetly fragrant; foliage bronzy-green and smooth; extremely high-pointed center; but freely, colouring in the way of Farbenkonigin, but more brilliant red, outside of petals rosy silvery white, a variety of special excellence for bedding, forcing and cut flowers. Each, 75 cts.; doz., \$7.50.

**Jonkheer J. L. Mock.**—A very important novelty, Strong vigorous free branching growth; large, full and of perfect form, opening slowly but freely, colouring in the way of Farbenkonigin, but more brilliant red, outside of petals rosy silvery white, a variety of special excellence for bedding, forcing and cut flowers. Each, 75 cts.; doz., \$7.50.

**Kaiserin Augusta Victoria.**—Pure white, does not pink when planted out; splendid, large buds and superb, full, double blooms, making the choicest cut flowers. A most sturdy grower, blooming steadily from early spring until late frost. Each, 75 cts.; doz., \$7.50.

**Lady Ashtown.**—Very pale solid carmine pink, shading to yellow at base of petals; large, full, and pointed; excellent for any purpose. Each, 75 cts.; doz., \$7.50.

**La France.**—Beautiful bright silvery-rose, with pale lilac shading, full and fine form; one of the sweetest scented roses. Each, 75 cts.; doz., \$7.50.

**Laurent Carle.**—Brilliant velvety carmine, with long buds borne on long stems, opening into large flowers of perfect form and fullness. An extremely vigorous grower of erect branching habit with splendid dark green foliage. Each, 75 cts.; doz., \$7.50.

**Madame Abel Chatenay.**—A good grower and large perpetual bloomer; large and beautiful in bud and bloom; deep, recurved petals of rose-pink, with a tinge of salmon. Bright, pretty and popular. Each, 75 cts.; doz., \$7.50.

**Mrs. Charles Russell.**—(Montgomery, 1912). Large, globular, well-formed, full double-flowers of a rosy-carmine with rosy-scarlet center; it is of strong, sturdy branching habit, with splendid foliage and very free flowering; one of the most popular cut-flower varieties. Each, 75 cts.; doz., \$7.50.

**Mrs. Aaron Ward.**—Indian yellow, occasionally washed with salmon rose; very floriferous. Each 75 cts.; doz. \$7.50.

**Mme. Caroline Testout.**—The petals are large and of elegant La France form; the color is satiny-rose shading to silvery-rose at the edge of the petals. Each, 75 cts.; doz., \$7.50.

**Sunburst.**—Superb cadmium yellow with yellow orange centre, very variable in colour. Large, full, of elongated cup form. One of the best in the hardy ever-blooming sorts. Each, 75 cts.; doz., \$7.50.

**Killarney.**—Flesh, shaded white, suffused pale pink, long pointed buds opening to large flowers; petals of great substance. Each, 75 cts.; doz., \$7.50.

**White Killarney.**—A pure white, sport of the popular Killarney Rose, identical in every way with its parent, excepting in color, which is a pure white. We can supply grafted stock of this variety, but it does not do so well as on own root. Each, 75 cts.; doz., \$7.50.

### Tree-Shaped Roses

The following choice varieties can be supplied in tree-shaped form, on sturdy, hardy stems from 3½ to 4 feet high.

Crimson Rambler	Gruss an Teplitz
J. B. Clark	Mrs. John Laing
Frau Karl Druschki	Kaiserin Augusta Victoria
Mme Caroline Testoute	

PRICE: Any of the above Tree Roses, \$2.00 each.

A list of Peonies covering eighty-five of the finest varieties to date with full description and cultural directions, will be mailed gratis on application.

## HARDY ROSES—Continued

### New Dwarf Bedding Roses or Baby Ramblers

**George Elger.**—Coppery golden-yellow before fully expanded, opening up a pale yellow, particularly handsome in the bud state.

**Mrs. Wm. H. Cutbush.**—A beautiful cherry pink and very free flowering. Strong two-year.

**Orleans.**—One of the best; flowers of large size of brilliant geranium-red, becoming suffused with rose as the flowers mature, and large white centre; a very pretty color combination.

**Jeanne d'Arc.**—Pure white; large trusses of well-formed flowers.

**Crimson Baby Rambler** (Mme Norbert Levasseur).—Crimson flowers similar to the popular Climbing Crimson Rambler.

**PRICE:** Any of the above, strong two-year-old plants, 75 cts. each; \$7.50 per doz.

### Rugosa Roses and Hybrids

For massing or hedge planting, the Rugosas cannot be excelled.

**Rosa Rugosa.**—An upright shrub attaining 5 to 6 feet in height; foliage shining dark green, not attacked by insects; flowers single, red, fragrant and produced freely from June to December; fruit bright crimson, Each, 60 cts.; doz., \$6.00.

**R. Alba.**—The habit and foliage are similar to the above, but the flowers are pure white; fragrant. Each, 60 cts.; doz., \$6.00.

### Moss Roses

This class of Rose is grown mostly for the beautiful mossy buds. They require close pruning and high culture.

**PRICE:** Each, 75 cts.; doz., \$7.50.

**Blanche Moreau.**—Flowers pure white; large and full; buds very beautiful. A rampant grower, being almost as vigorous as a climber.

**Salet.**—A vigorous grower and perpetual bloomer. Light rose; large, full. The best of the class. A true perpetual Moss, blooming at intervals from June to November.

**William Lobb.**—Flowers bright red; large.

### Lord Penzance's Hybrid Sweet Briars

There seems to be no limit to the demand for these well-known and popular Briars. Besides being deliciously scented, they are perfectly hardy. They should not be pruned, further than removing weak or old wood, but allowed to ramble at will—one strong stake being placed in the centre of the plant.

**Lady Penzance.**—Soft copper tint, with metallic lustre; the base of each petal is a bright yellow; very free flowering. Each, 75 cts.; doz., \$7.50.

**Lord Penzance.**—Soft shade of fawn passing to emerald yellow in the centre. Each, 75 cts.; doz., \$7.50.

**Common Sweet Briar.**—This is the true English Sweet Briar, or Eglantine. The single pink flowers are quite artistic, but it is valued most on account of the refreshing fragrance of its leaves. Each, 60 cts.; doz., \$6.00.

### Austrian, or Yellow Briar Roses

**Persian Yellow.**—A very hardy type, producing medium-sized double golden-yellow flowers. This class requires little or no pruning, simply cut out superfluous and dead wood. Each, 75 cts.; doz., \$7.50.

### Hardy Climbing Roses

**Crimson Rambler.**—Needs no description—everybody knows the Rose. Bright crimson flowers borne in immense clusters during June and July. Extra strong plant. Each, \$1.00.

**Dorothy Perkins.**—A variety of Pink Rambler and rivalling the Crimson Rambler in vigor of growth and freedom of bloom. Countless clusters of double pink flowers of a most beautiful shade. Strong, selected dormant plants. Each, \$1.00.

**White Dorothy Perkins.**—This new Rose has all the characteristics of its famous parent, except that the flowers are pure white. A splendid acquisition to the Rambler family of Roses. Strong two-year plants. Each, \$1.00.

**Flower of Fairfield.**—The New Everblooming Crimson Rambler. Of the numerous recent introductions, this stands foremost as a crimson-flowered Rambler, and the fact that it is a perpetual bloomer makes it exceedingly popular. Flowers bright crimson, more brilliant than the common Crimson Rambler. Strong two-year plants. Each, \$1.00.

**Hiawatha.**—A single-flowering variety of great beauty. In color it is brilliant ruby carmine, with a white eye. Strong, vigorous grower. Each, \$1.00.

## BLACK SPOTS ON THE LEAVES OF ROSES

This disease is one that seems to be well nigh universal wherever Roses are grown, although some varieties are more tender or less able to resist its inroad than some others. In our experience it develops more perceptibly during a spell of warm, humid weather, and this weather condition will quickly spread a few spots over half a leaf. The leaves first show a small black spot, which grows and grows fast in a day or two of humid weather; and sometimes the leaves of a bush will drop off so as to be perceptible. A Moss Rose will sometimes seem to be struck with this trouble when a more common kind will show less. This Black Spot, which is called "Actinonema Rose," grows in the tissue of the leaves, and where Roses are grown, whether outdoors or in large or small greenhouses, this trouble is apt to occur.

**Hammond's Copper Solution** is a reliable remedy. Use one part to 50 of water. Price, qt., \$2.00; gallon \$5.00.

In treating Roses for Black Spot, the remedy to be effectual needs to be used early.

**The Rose Rust** is a trouble which affects hardy Roses more than some of the more tender varieties, and the very use of the **Copper Solution** as a preventive remedy for Black Spot has the effect of checking the Rose Rust. Use one part to 60 of water.

## MILDEW

**Grape Dust** is a readily diffusible, light-weight powder Fungicide, very efficient in preventing Mildew and other plant disease.

### HOW TO USE IT IN THE GREENHOUSE

Fill the house with Dust as soon as the plants are set and let settle, or put 1 lb. to pail of water and spray finely over everything; plants, ground, benches, etc. Spores are likely to settle anywhere and prevention is the best remedy. Price, lb., 30 cts.; 5 lbs., \$1.25; 10 lbs., \$2.75.

Flushing, N.Y.

I find your **Grape Dust** the most efficacious remedy for Mildew on Roses that I have tried, and cheerfully recommend it to the trade.

Yours truly,

CHAS. P. HENDERSON,

The John Henderson Co., Rose Growers.

## ROSE BUGS

**Roadeana** (Rose Bug Exterminator).—A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, etc. 4 oz. bottle, 50 cts.; 8 oz. bottle, 90 cts.; 1 quart, \$1.75; 1 gal., \$5.50.

A list of Gladiolus covering 125 of the finest varieties to date with full description and cultural directions, will be mailed gratis, on application.

## SELECT LIST OF HARDY CLIMBING PLANTS

The wonderful grace and beauty of well-placed vines add untold value and charm to the home and garden. The enchanting pergola, shady arbor and veranda, or clinging wall-cover gives that soft artistic effect that no other treatment can produce. We offer a comprehensive collection of the hardiest and best vines—those that have real merit and sterling worth in our severe climate.

### ACTINIDIA

**Actinidia Arguta.**—A strong-growing Japanese vine, with rather large leaves; flowers white with purple centre; fruit is round, edible and has fine flavor; handsome foliage. Each, 75 cts.

### AMPELOPSIS, Woodbine

**Ampelopsis Quinquefolia.** (Common Woodbine, or Virginia Creeper).—A vigorous high-climbing vine of rapid growth; foliage rich crimson in autumn; valuable for wall-covering. Each, 75 cts.; doz., \$6.00.

**A. Englemanni.**—Similar to ampelopsis quinquefolia and equally hardy, but clings to wood, stone or brick in the same manner as the Boston Ivy. The leaves are fine and form a dense body of foliage. Each, 75 cts.; doz., \$6.00.

**A. Veitchii.**—(Japan or Boston Ivy).—A hardy and very useful climber; clinging firmly and covering walls densely; the glossy foliage stands smoke and dust well and turns to a brilliant orange and scarlet in the fall; probably the favorite of all hardy vines in cities. Each, \$1.00; doz., \$9.00.

### ARISTOLOCHIA

**Aristolochia Sipo.**—(Dutchman's Pipe).—A native species of climbing habit and rapid growth; magnificent, very large, green foliage; brownish pipe-shaped flowers. Desirable for screening purposes. Each, 75 cts. to \$1.50.

### BIGNONIA

**Radicans.**—(Trumpet Vine).—For covering unsightly places, stumps, rockwork, or wherever a showy-flowering vine is desired, the Bignonias will be found very useful. The flowers are large, attractive and borne profusely when the plants attain a fair size. Dark red, orange throat, free-blooming and very hardy. Each, 75 cts.; doz., \$5.00.

### CELASTRUS, Bittersweet

**C. Scandens.**—A native climber, with glossy leaves; fruit orange and crimson, in clusters, and hanging on the vine all winter. Each, 75 cts.; doz., \$6.00.

### CLEMATIS, Virgin's Bower

**C. Paniculata.**—Flowers are medium size, pure white and fragrant. It is perfectly hardy and finely adapted for covering trellises or fences. The flowers expand toward the close of August. It is one of the most desirable and useful of vines. Each, 75 cts.; doz., \$6.00.

**C. Virginiana.**—(American White Clematis).—A native of rapid growth. Produces white flowers in August, followed by feathery white seeds, which are quite decorative in winter. Each, 75 cts.; doz., \$6.00.

### HYBRID LARGE FLOWERING CLEMATIS

**Clematis Duchess of Edinburgh.**—Flowers are double white and sweet-scented. Each, \$1.00; doz., \$9.00.

**C. Henryi.**—A robust plant; free bloomer. Creamy, white large handsome flowers. Each, \$1.00; doz., \$9.00.

**C. Jackmani.**—Flowers broad, velvety purple, with ribbed bar down the centre. Very popular. Each, \$1.00; doz., \$9.00.

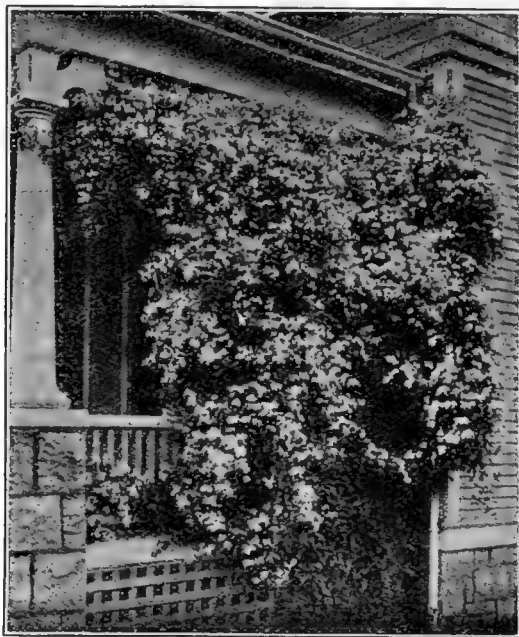
**C. Ville de Lyon.**—Large bright red flowers. Each, \$1.00; doz., \$9.00.

### LONICEREA, Honeysuckle

**Lonicera Japonica.**—(Evergreen Honeysuckle).—Very fragrant yellow and cream-coloured flowers; foliage dark, almost evergreen. Each, 75 cts.; doz., \$8.00.

**L. Sempervirens.**—(Scarlet Trumpet Honeysuckle).—One of the best varieties; deep crimson flowers, borne profusely at intervals during the summer. Flowers are followed by scarlet berries. Each, 75 cts.; doz., \$8.00.

**L. Aurea Reticulata** (Golden Honeysuckle).—Foliage handsomely marbled with gold. 75 cts. each; \$8.00 per doz.



Clematis Paniculata.

### LATHYRUS Hardy Everlasting Pea

One of the best and most desirable flowering hardy climbing plants, attractive both in flower and foliage, growing to a height of 8 to 10 feet, and producing clusters of large flowers the entire summer; fine for cutting; lasting well.

**Latifolius.**—Deep rosy-red. 50 cts. each; \$4.00 per doz.

**Albus.**—Pure white. 50 cts. each; \$4.00 per doz.

INCLUDE YOUR ORDER WITH OURS FOR

## IMPORTED FALL BULBS

AND GET THE BENEFIT OF LOWER PRICES

We import the Largest and Best Bulbs that come to Canada

STANDARD VARIETIES AND CHOICE NOVELTIES IN

Tulips, Hyacinths, Daffodils, Crocus, and a Host of Other Bulbous Beauties

ALL DESCRIBED IN OUR BULB CATALOGUE

WRITE FOR PRICES

A list of Gladiolus covering 125 of the finest varieties to date with full description of cultural directions, will be mailed gratis and on application.



## FLOWERING AND ORNAMENTAL SHRUBS

This class of shrubs should be planted more in our home grounds and our gardens, as they make a great attraction and decidedly homelike appearance. A selection of these shrubs will give flowers throughout the season, and have an abundance of foliage which will add greatly to the beauty of your lawn or garden.

The question of when and how to prune shrubs is one that is frequently asked, and as no hard and fast rule can be given, we can but indicate in a general way what should be done.

All Shrubs that blossom before midsummer, such as Deutzias, Forsythias, Lilacs, Philadelphus, Weigelias, etc., produce their flowers on the growth of wood made the previous year. To prune these in fall or spring would be to destroy most of the flowers for that season. These, therefore, should have any necessary pruning done immediately after flowering. Varieties which blossom after midsummer produce their blooms on wood made the same season. This class includes such kinds as Altheas, Hydrangeas, etc., and these should be pruned in early spring. In our judgment, Shrubs are, as a rule, pruned too much; all the pruning, or rather trimming that is necessary being just enough to keep the plant in nice symmetrical shape; care, of course, being taken to cut out all dead wood, and removing sufficient surplus growth, if any, to admit a free circulation of air and sunshine to all parts of the plant.

**BERBERIS, Thunbergii.** Japanese Barberry. — Of dwarf, graceful habit and very thorny. This is one of the best plants where a low untrimmed hedge is desired. Brilliant green in summer; glowing colours in autumn; crimson berries in great profusion after leaves fall. Each, 75 cts.; doz., \$7.00.

Plants for hedges offered on page 84

**Vulgaris.** Common Barberry. — A handsome shrub of vigorous habit, yellow flowers in May or June, followed by orange scarlet fruit. Each, 75 cts.; doz., \$7.00.

**B. Purpurea.** Purple-leaved Barberry. — An interesting shrub with violet-purple foliage and fruit. Effective in groups and masses, or planted alone. Each, 75 cts.; doz., \$7.00.

**CARAGANA, Aborescens.** Siberian Pea Shrub. — Grows 10 to 12 feet high and makes a splendid show with its bright green compound leaves and numerous small clusters of yellow flowers; blooms in May and June. 2½ feet, each, 50 cts.; doz., \$4.00. 5 to 6 feet, each, \$1.00.

**CLETHRA, Alnifolia** (Sweet Pepper Bush) — Shrub with rich green foliage and spikes of fragrant yellowish white flowers in August. A native shrub rapidly coming into favor. It thrives in shady, damp places, where not many shrubs will grow. Each, 75 cts.; doz., \$7.00.

**CORNUS, Alba.** Red Branched Dogwood. — Very winter on account of its blood-red bark; does not grow to be a tree. Each, 60 cts.; doz., \$6.00.

**C. Elegantiissima Variegata.** — A variegated-leaved species of the red-twigged; the leaves are broadly margined with white and in some cases entirely white. A distinct and beautiful variety. Each, \$1.00; doz., \$9.00.

**C. Sanguinea.** — Shrub sometimes 12 feet high, with purple or dark red branches. Native of Europe. 75 cts. each; \$7.00 per doz.

**C. Spathii Aurea.** — A handsome plant, having rich golden foliage. \$1.00 each.

**COTONEASTER HORIZONTALIS.** — A dwarf trailing evergreen shrub, which during autumn and winter is covered with brilliant red berries. Fine for rockeries or the edge of the border. 75 cts. each.

**Cotoneaster Francheti.** — Of graceful habit, with long arched branches, large light green leaves and attractive orange-yellow berries. 75 cts. each.

**CYDONIA JAPONICA** (Japan Quince). — One of the most brilliant flowering shrubs covered with dazzling scarlet flowers very early in the spring, before the leaves appear. \$1.00 each.

**CYTISUS LABURNUM** (Golden Chain). — A native of Europe, with smooth and shining foliage, forming a tall shrub or dwarf tree, 20 feet in height. The Golden Chain alludes to the length of the drooping racemes of yellow flowers which appear in June. 75 cts. each; \$7.00 per doz.

**DEUTZIA, Crenata Flore Pleno.** — One of the most desirable of the Deutzias, flowers double-tinged with rose. Each, 60 cts.; doz., \$6.00.

**D. Gracilis.** — An exquisitely beautiful white flowering sort, of dwarf habit—more so than other varieties; blossoms early in June, with Spirea Van Houtte. Each, 75 cts.; doz., \$7.00.

**D. Crenata Flore Pleno.** — One of the most desirable of the Deutzias, flowers double-white flowers tinged with rose. 75 cts. each; \$7.00 per doz.

**D. Candidissima.** — (Double White Flowering). — One of the finest shrubs, producing snow-white flowers of great beauty, and valuable for bouquets and baskets. 75 cts. each; \$7.00 per doz.

**D. Lemolnei.** — A vigorous grower and very desirable; early bloomer; panicles of pure white flowers borne on stout branches. Each, 75 cts.; doz., \$7.00.

**D. Pride of Rochester.** — A variety raised from Deutzia Crenata Flore Pleno, and producing large double white flowers, the back of the petals being slightly tinged with rose. It excels all of the older sorts in size of flower, length of panicle, profusion of bloom and vigorous habit; blooms nearly a week earlier than Deutzia Crenata Flore Pleno. Each, 75 cts.; doz., \$7.00.



Hedge of Barberry Thunbergii.

**D. Vilmorinae** (New). — A new species discovered in the mountains of China. Upright growers, covered with pure white flowers, an inch in diameter in June. 75 cts. each; \$7.00 per doz.

**DESMODIUM Penduliflorum.** — Covered from August to October with large clusters of rose and purple pea-shaped blossoms. Very effective, when planted in masses in the shrubby border, and especially valuable as to flowers at the time when so few shrubs are in bloom. It dies to the ground each season, but sends up rapid-growing, vigorous shoots from the base in the spring. 75 cts. each; \$7.00 per doz.

**ELAEAGNUS LONGIPES** (Japan Oleaster). — A handsome, shapely, silvery-leaved shrub, with ornamental red brown bark; hardy and easy to grow; bright yellow flowers in June on long stalks, but the chief beauty of this shrub is in the orange-red fruit which is produced in profusion along the whole length of the branches. Each, 75 cts.; doz., \$7.00.

**FORSYTHIA, Fortunei.** Fortune's Golden Bell. — Growth upright, foliage dark green. Among the earliest blooming shrubs, glorious yellow flowers appear before the foliage. Sharp pruning shortly after flowering insures good flowering wood the following year. Each, 75 cts.; doz., \$7.00.

**F. Suspensa.** — Weeping; resembles Fortunei in bloom, but growth is more pendulous. Each, 75 cts.; doz., \$7.00.

**F. Viridissima.** — A fine variety, with leaves and bark a deep green. Flowers deep yellow, very early in the spring. 75 cts. each; \$7.00 per doz.

**HYDRANGEA, Paniculata Grandiflora.** It blooms in great profusion in August and September, bearing immense cone-shaped heads of white flowers, turning to shades of pink. Each, 75 cts.; doz., \$7.00.

**H. Arborescens Grandiflora Alba** (Snowball Hydrangea, Hills of Snow). — The blossoms are of the very largest size, of pure white colour. One of its most valuable characteristics is its coming into bloom just after the passing of all the early spring shrubs, while its long season of bloom, from early June through August, renders it doubly valuable to every owner of a garden; very hardy. Each, 75 cts.; doz., \$7.00.

Standard, or Tree-Shaped, with stems about 3 feet high. \$2.00.

FLOWERING AND ORNAMENTAL SHRUBS—Continued

**LONICERA.** Bush Honeysuckle.—Desirable free-blooming shrubs of erect habit of growth and easiest culture in any common soil. Fragrant flowers and ornamental fruits in a great variety of colours. The upright growing, dense kinds make admirable hedge plants and admit of vigorous pruning.

**L. Tartarica Alba.**—A strong grower, with dark-green foliage and white flowers in May and June, followed by brilliant crimson fruit. Each, 75 cts.; doz., \$7.00.

**L. Tartarica Rubra.**—Similar to the preceding, but with large crimson flowers; fruit crimson. Each, 75 cts.; doz., \$7.00.

**L. Tartarica Rosea Grandiflora** (Pink-flowered Honey-suckle).—A beautiful shrub, very vigorous, and producing large, bright red flowers, striped with white, in June. 75 cts. each; \$7.00 per doz.

**L. Ledebouri.**—A distinct species, with red flowers in May. 75 cts. each; \$7.00 per doz.

**L. Morrowii.**—Japanese variety, valuable for its red fruit. Each, 75 cts.; doz., \$7.00.

**MAHONIA, Aquifolia.** (Holly-leaved Mahonia).—A native species of medium size, purplish, shining leaves; bright yellow flowers, followed by bright blue berries. Each, 75 cts.; doz., \$7.00.

**POTENTILLA-FRUTICOSA** (Shrubby Cinquefoil).—A beautiful bright-flowered little shrub about 3 feet high that thrives in any soil or situation where many others refuse to grow. Of upright growth, with narrow, compound silky foliage and bright golden-yellow flowers from July until frost. Each, 75 cts.; doz., \$7.00.

**PHILADELPHUS.**—(Syringa, or Mock Orange).—Excellent ornamental shrubs, most of which are tall, vigorous growers, with large foliage and flowers. Their robust habits make them valuable for screens. They easily adapt themselves to any soil and the flowers are among the best of shrubs to cut for house decoration.

**P. Candelabre.**—(Lem.)—Slender, arching branches, forming festoons of large, fragrant, white flowers, with dentated petals; distinct habit. \$1.00 each; \$9.00 per doz.

**P. Avalanche, Lem**—(New). Large, fragrant flowers on slender, gracefully arching branches. 75 cts. each; \$7.00 per doz.

**P. Bouquet Blanc, Lem**—(New). Tall, erect grower, with coarse foliage; large double or semi-double flowers, in dense clusters of a dozen or more at the axils of the leaves. 75 cts. each; \$7.00 per doz.

**P. Coronarius** (Common Syringa).—A well-known shrub with pure white, highly scented flowers. One of the first to bloom. Each, 75 cts.; doz., \$7.00.

**P. Foliis Aureis** (Golden-Leaved).—A very pretty plant of medium size with golden yellow foliage. It retains its colour the entire season, and is valuable for creating pleasing and striking contrasts with both green and purple-leaved shrubs. Each, 75 cts.; doz., \$7.00.

**P. Grandiflorus** (Large Flowered).—A conspicuous, showy kind with large flowers and irregular branches. Will grow to be 10 to 12 feet high if untrimmed. Each, 75 cts.; doz., \$7.00.

**P. Lemolnai** (Hybrid Mock Orange or Lemon Scented).—Flowers white and very fragrant, produced early in June. Each, 75 cts.; doz., \$7.00.

**PRUNUS, Pissardi.**—Purple-Leaved Plum.—A handsome little tree; covered with small, white single flowers in spring; the bright purple foliage, constant throughout the season, gives this variety unique value for planting singly or in groups. Each, \$1.00.

**P. Sinensis Alba Plena.** Dwarf White Almond.—The very double rose-like white flowers fill the branches until they bend beneath the weight of bloom; very early in spring. Each, \$1.00.

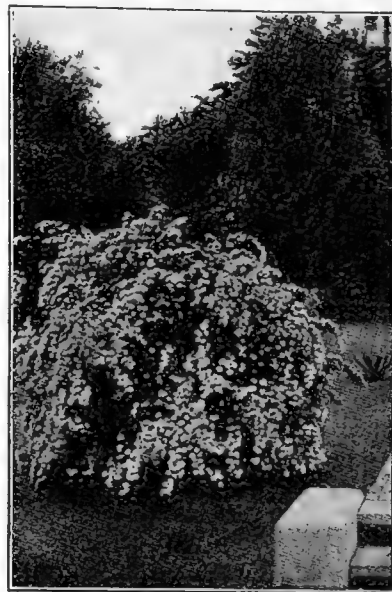
**P. Sinensis Rosea Plena.** Double Pink Almond.—Similar to the preceding, the flowers being rose-coloured. Each, \$1.00.

**P. Triloba.** Double Flowering Plum.—A Chinese shrub whose beauty in early spring is difficult to equal. The large, double pink flowers resemble Roses and are crowded along the slender branches, covering them completely. Each, \$1.00.

**RHUS COTINUS.** (Purple Fringe, or Smoke Tree).—A low, shrubby tree, covered in midsummer with large clusters of feathery flowers, giving the appearance of a cloud of smoke or mist. 75 cts. each.

**R. Typhina Laciniata.**—A beautiful, fern-leaved variety of the Stagbhorn Sumac. 75 cts. each; \$7.00 per doz.

**ROBINIA HISPIDA** (Rose or Moss Locust).—A beautiful species of spreading growth, with clusters of rose colored flowers, appearing in June and at intervals later. \$1.00 each.



Spiraea Van Houttei.

**SAMBUCUS.**—*Canadensis Aurea* (Elder).—A handsome bush with golden foliage, which it retains all summer. Its vigorous growth and freedom from disease make it a desirable and effective shrub. Each, 75 cts.; doz., \$7.00.

**S. Racemosa Plumosa Foliis Aureis** (Cut Leaf Golden Elder).—A charming shrub, its chief feature being its bright, attractive, delicately cut foliage, which is retained throughout the summer months. This is one of the best cut leaf shrubs in cultivation. Each, 75 cts.; doz., \$7.00.

**RIBES AUREUM.**—(Yellow Flowered Currant).—Attractive bush with shining green leaves and yellow flowers. Each, 75 cts.; doz., \$7.00.

**R. Sanguineum** (Red or Crimson Flowered Currant).—A native variety with red flowers, which are produced in great profusion in early spring. Each, 75 cts.; doz., \$7.00.

**SYMPHORICARPUS.**—*Racemosus* (Snowberry).—A well-known shrub, with small pink flowers, and large white berries that hang on the plant through part of the winter. Each, 75 cts.; doz., \$7.00.

**SPIREA, Meadow Sweet.**—The spiraeas hereunder listed are choice varieties, and all of the easiest culture. Their blooming extends over a period of quite three months.

**S. Aitchisonii**—(New). A new variety, with beautiful, ash-like foliage and graceful, slender stems surrounded with large panicles of white flowers. Very good for lawn planting. Each, 75 cts.

**S. Anthony Waterer.**—A fine, new dwarf Spiraea, with dark crimson flowers, darker than Spiraea Bumalda. One of the finest shrubs of recent years. Each, 75 cts.; doz., \$7.00.

**S. Billardi.**—Rose-coloured spikes, differing altogether in appearance from Van Houttei and others of that class; blooms nearly all summer; is hardy and attractive. Each, 75 cts.; doz., \$7.00.

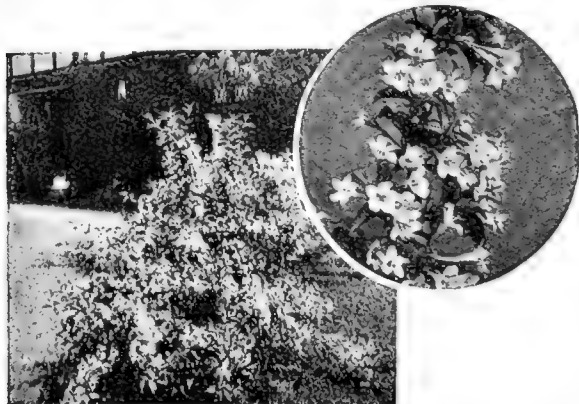
**S. Bumalda.**—A new Spiraea from Japan; dwarfish habit; foliage narrow; flowers rose-coloured, in great profusion during summer and autumn. Each, 75 cts.; doz., \$7.00.

**S. Opulifolia aurea** (Golden Spiraea).—One of the best of our yellow-leaved shrubs. Golden yellow all summer. 2½ to 3 feet. Each, 75 cts.; doz., \$7.00.

**S. Arguta.**—Of dwarfish habit; flowers white; one of the best sorts, and the first to flower in early May, following Thunbergii. Each, 75 cts.; doz., \$7.00.

**S. Thunbergii.**—Of dwarf, roundish form; slender, graceful, drooping habit; flowers small, white; very early in bloom, being the first of the Spiraeas; extremely neat and pretty. Each, 75 cts.; doz., \$7.00.

**S. Van Houttei.**—One of the most charming and beautiful of the Spiraeas, having pure white flowers in clusters of panicles about an inch in diameter, astonishingly profuse bloom, and plants remarkably vigorous and hardy. Introduced from France, and there is no more desirable flowering shrub in cultivation. Flowers last of May. Each, 75 cts.; doz., \$7.00.



The graceful, drooping branches of the Weigelas make this one of the most attractive shrubs for lawn planting. The varieties differ principally in their colour of bloom, which is always borne in great profusion.

FLOWERING AND ORNAMENTAL SHRUBS.—Continued

**SYRINGA, LILAC.**—The improvement in the Lilac, during the last five years is marvelous, and lovers of this flower will be delighted with the following four novelties. In size, form and colour, they far surpass the old favourites.

**S. Emile Lemoine.**—Very large; of fine globular form; rosy lilac; beautiful. Each, \$1.00.

**S. George Bellair.**—Large red; extra fine. Each, \$1.00.

**S. President Grevy.**—A beautiful blue; individual flowers very double and very large; the panicle is magnificent; one of the finest Lilacs. Each, \$1.00.

**S. Mme. Casimir Perier.**—The finest white Lilac yet introduced. The individual flowers, which resemble miniature Tuberoses, as well as the truss, are of immense size, deliciously scented; fine for cutting. Each, \$1.00.

**S. Japonica.**—A pyramidal small tree with upright branches, broad foliage and yellowish white flowers in small panicles in June and July. Each, \$1.00.

**S. Red Persian.**—A beautiful shrub with slender branches and long narrow foliage. The red flowers produced in May and June are extremely fragrant. \$1.00.

**S. White Persian.**—A fine sort; white flowers, delicately tinted with rose. Each, \$1.00.

**S. Vulgaris Alba. Common White Lilac.**—A form of S. Vulgaris with same general characteristics and pure white, fragrant flowers. Each, 75 cts.; doz., \$7.00.

**S. Vulgaris. Common Lilac.**—A strong, vigorous, upright shrub, with rich, dark green foliage and large panicles of fragrant, purplish flowers in May. Each, 75 cts.; doz., \$7.00.

**TAMRIX PENTANDRA (hispida aestivalis).**—New. Very vigorous; branches grow 5 to 7 feet in one season, and are covered in July and August with light rosy carmine flowers; very light and feathery. A very beautiful shrub, 75c. each; \$7.00 per doz.

**VIBURNUM, Opulus. High Bush Cranberry.**—One of the showiest varieties of the Snowball. The large white flowers are borne in profusion at the end of May and are followed by clusters of showy scarlet berries, which retain their colour until late in the autumn. Each, 75 cts.; doz., \$7.00.

**V. Opulus Sterilis. Guelder Rose.**—This is the old-fashioned Common Snowball. The flower-heads are much more loose and open than those of the V. Opulus; it blooms about the same time. This variety does not carry any fruit. Each, 75 cts.; doz., \$7.00.

**V. Plicatum (Japan Snowball).**—A rare and exceedingly beautiful species from Japan. Flowers pure white in June. Moderate growth; handsome, plicated foliage. One of the most popular and desirable shrubs grown. Each 75 cts.; doz., \$7.00.

**Lantana. (Wayfaring Tree).**—A large robust shrub, with soft heavy leaves, and large clusters of white flowers in May, succeeded with red fruit, retains its foliage very late, each, 75 cts; doz. \$7.00.

**WEIGELIA, Candida. Diervilla.**—A vigorous grower and profuse bloomer. Flowers of pure white, being produced in great clusters in June and occasionally throughout the summer. Each, 75 cts.; doz., \$7.00.

**W. Rosea Amabilis, Pink Weigela.**—Of the same habit as W. Candida, and produces great masses of deep pink flowers in June. 75 cts. each; \$7.00 per doz.

**W. Bouquet Rose.**—(New). Large flowers; clear, satin-rose, in the greatest profusion the beginning of May. Each, 75 cts.; doz. \$7.00.

**W. Eva Rathke.**—An erect grower and profuse bloomer. The flowers are dark carmine-red. Each, 75 cts.; doz., \$7.00.

**W. Rosea.**—A strong, vigorous grower, with good foliage and abundant bloom; flowers rose-colored; produced in late May and June. Each, 75 cts.; doz., \$7.00.

HEDGE PLANTS AND PLANTS FOR EDGE ROWS

**BERBERIS THUNBERGII (Japanese Berberry).**—Berberis Thunbergii is rapidly becoming the most popular hedge plant ever introduced. It certainly merits this popularity. Its delicately tinted foliage during the early part of the summer gradually turning to a dark green, followed by all the shades of color from green to purple as the cool weather of fall ripens up the foliage; and as the foliage drops off revealing the beautiful red berries, which stay on all winter, gives a life to the landscape which no other plant or shrub does, and commands the admiration of everyone. All of these points coupled with its extreme hardiness and its ability to take care of itself, even under adverse conditions, make it a most desirable plant. Plant, 12 inches apart. \$5.00 per doz.; \$30.00 per 100.

**CARAGANA ARBORESCENS (Siberian Pea).**—A fine tall-growing shrub with numerous clusters of showy yellow pear-shaped flowers along the branches, in early June, followed by small seed-pods. Bark dark green. Foliage small and neat. One of the most valuable shrubs yet introduced for the extreme North and Northwest. Much used for hedges, \$5.00. per doz.; \$30.00 per 100.

**PRIVET VULGARE.**—Very useful for hedges, can be clipped any shape. It is free of growth and succeeds under the most adverse conditions, such as under dense shade of trees. The hardest variety. Plant 9 inches apart. Strong plants, \$4.00 per doz.; \$18.00 per 100.

**AMUR OR AMOOR PRIVET.**—A native of China and Japan that grows as high as 6 feet. Strong plants, 2 to 3 feet, \$4.00 per doz.; \$18.00 per 100.

**HYDRANGEA PANICULATA GRANDIFLORA.**—This popular Shrub makes an excellent hedge and is especially desirable as a dividing line between two properties. Plant 15 to 18 inches apart. Bushy plants, 3 feet high. \$6.00 per doz.; \$25.00 per 100.

**HONEY LOCUST (Gleditschia).**—A rapid growing tree, with powerful spines and delicate foliage. Very useful as a defensive hedge plant. \$3.00 per doz.; \$15.00 per 100.

**RHAMNUS CATHARTICUS (Buckthorn).**—A fine, robust, hardy shrub, of European origin, with dark green foliage, white flowers and small black fruit. A popular hedge plant. \$5.00 per doz.; \$30.00 per 100.

**PICEA SPRUCE, EXCELSA (Norway Spruce).**—Forms a majestic hedge and is valuable as a screen and for wind-breaks. Price on application.

**THUYA ARBORVITÆ (Occidentalis).**—Makes a good, compact hedge and is useful as a windbreak. Price on application.

Other varieties quoted on application

Ornamental and Shade Trees  
ACER, MAPLE

**Plantanoides (Norway).**—A distinct foreign variety, with large broad leaves of rich green. Probably the best maple in cultivation. 8 to 10 feet, each, \$2.25; doz., \$24.00. 10 to 12 feet, each, \$2.00; doz., \$18.50.

**Dasyacarpum or Eriocarpum (Silver-Leaved or Soft).**—Of rapid growth and desirable for immediate effect. Will thrive in wet soil where hard maple will not. This is a native tree and very hardy and desirable. 8 to 10 feet, each, \$2.00; doz., \$20.00. 10 to 12 feet, each, \$2.50; doz., \$26.00.

**Dasyacarpum (Weir's Cut-leaved Maple).**—A graceful tree with deeply-cut foliage and recurring pendulous branches. 8 to 10 feet, each, \$2.75; doz., \$28.00.

**Plantanoides (Schwedler's Norway Maple).**—The young foliage of this variety is bright crimson fading to purplish-green, a valuable tree. 8 to 10 feet, each, \$2.75; doz., \$28.00.

**Aesculus Hippocastanum (Horse Chestnut).**—A well-known species with flesh-colored hyacinth-like flower clusters in June. 5 to 6 feet. Each, \$2.50.

BETULA, BIRCH

**Alba Laciniata Pendula (Cut-leaved Weeping Birch).**—A popular tree of tall, slender growth with finely cut foliage borne on drooping branches; bark silvery-white. Very ornamental. 6 to 8 feet, each, \$2.50.



Salisburia (Ginkgo.) (See page 85.)

# ORNAMENTAL AND SHADE TREES—Continued

## CATALPA

**Speciosa (Western Catalpa).**—Highly ornamental trees with large, bright green foliage and beautiful white flowers in large showy panicles, produced in June. Its quick growing habit and its ability to thrive in dry or moist soils, render it very desirable for lawn and street. 6 to 8 feet, each \$2.00.

## JUGLANS, WALNUT

**Black.**—A native tree of large size and majestic form, beautiful foliage. Tree a rapid grower, producing a large, round nut of excellent quality. 6 to 8 feet, each, \$2.25.

**Butternut (White Walnut).**—A native tree of medium size; nut oblong and rough; highly prized for its sweet, nutritious kernel. 6 to 8 feet, each, \$2.25.

## MORUS-MULBERRY

**Tartarica Pendula (Teas Weeping).**—A very thrifty, vigorous grower, perfectly hardy, forming a natural umbrella-shaped top, or head, with long, pendulous branches which droop to the ground; foliage handsome. One of the best dwarf weeping trees. New and valuable. Each, \$3.50.

## POPULUS, POPLAR

**Carolinensis (Carolina Poplar).**—A fine spreading variety of robust growth; leaves dark, glossy green. Valuable for street planting or for screens. 8 to 10 feet, each, \$1.25; doz., \$12.00. 10 to 12 feet, each, \$1.75; doz., \$18.00.

**Nigra Fastigiata (Lombardy Poplar).**—A well-known variety of tall, pillar-like growth. 8 to 10 feet, each, \$1.25; doz., \$12.00. 10 to 12 feet, each, \$1.75; doz., \$18.00.

## CRATAEGUS, THORN

**Oxyantha (Paul's Double Scarlet Hawthorn).**—One of the best double varieties; flowers brilliant carmine. 4 to 6 feet, each, \$1.50; doz., \$15.00.

**Oxyantha Alba Fl. Pl. (Double White Hawthorn).**—Small double white flowers; very ornamental. 4 feet, each, \$1.50; doz., \$15.00.

## QUERCUS, OAK

**Cocinea (Scarlet).**—A native tree of rapid growth, foliage changes to bright scarlet in the autumn when it presents a most gorgeous appearance. 4 to 6 feet, each, \$2.50.

**Rubra (English).**—The Royal Oak of England, a spreading tree of somewhat slow growth. 4 to 6 feet, each, \$3.00.

## PLANE, PLATANUS

**Oriental Plane Tree (Platanus orientalis).**—A rapid-growing tree of great adaptability, forming a massive round-topped head. Exceedingly satisfactory for street or avenue planting. Hardy and thrives well in most soils. It is a large tree, lofty and with massive branches suitable for wide streets. Almost as rapid a grower as the poplar. 7 to 9 feet. Each, \$2.00.

# EVERGREEN TREES

**Juniperus, Hibernica (Irish Juniper).**—A beautiful glaucous-green variety of dense pillar-like growth; very desirable. 18 to 24 inches. Each, \$2.50.

**Juniperus Sabina (Savin Juniper).**—Dwarf prostrate spreading branches. Thrives in poor soils. Each, \$2.50.

**Picea, Alba (White Spruce).**—Valuable for planting near the sea. 2 to 3 feet. Each, \$3.00.

**Picea, Douglas' Spruce.**—A fine, long-lived tree from the Rocky Mountains, where it grows in great quantity. The foliage is soft and brilliant green in color, with bluish tint when young. It is of the most vigorous and symmetrical growth. Each, \$2.50.

**Picea, Excelsa (Norway Spruce).**—The most generally used of evergreen trees. Useful for screens and windbreaks on account of its rapid growth. It makes a tall tree, and, as an individual tree, with room to develop, is of pyramidal, symmetrical growth. Its lower branches sweeping the ground. 1½ to 2 feet, each, 75 cts.; doz., \$5.00. 2 to 3 feet, each, \$1.00.

**Picea, Pungens Kosteriana.**—The finest form of Colorado Blue Spruce. One of the hardiest and choicest evergreens; foliage steel blue. 18 to 24 inches. Each, \$4.00; 2 to 3 feet, each, \$5.00.

**Pinus Austriaca (Austrian Pine).**—A noble tree of rapid growth with massive horizontal branches covered with long, thick, dark green foliage; very hardy. 18 to 24 inches, each, \$1.50.

## PYRUS CRAB

**Augustifolia (Betchel's Double-Flowering Crab).**—One of the most beautiful of the many varieties of flowering Crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink colour. From a distance the flowers have the appearance of small roses. Blooms when quite young and late in the season, after the others. 2½ to 3 feet each, \$1.75.

## SALISBURIA, GINKGO

**Salisburia Adiantifolia.**—This tree is remarkable as a deciduous member of the Pine family, with odd-shaped leaves that resemble those of the Maidenhair Fern; but its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 6 to 8 feet, each, \$2.50.

## SALIX, WILLOW

**Dolorosa (Wisconsin Weeping Willow).**—Of drooping habit and harder than Babyloica. Valuable on account of its ability to resist severe cold. 6 to 8 feet, each, \$1.50; doz., \$15.00.

## SORBUS, MOUNTAIN ASH

**Aucuparia (European Mountain).**—A very ornamental tree of medium height with attractive compound leaves. Flowers white, followed by showy clusters of orange-red berries. 6 to 8 feet, each, \$2.00; doz., \$18.00.

**Aucuparia Pendula (Weeping Mountain Ash).**—Similar to the above, but with drooping branches. 6 feet, each, \$3.50.

## TILIA, LINDEN

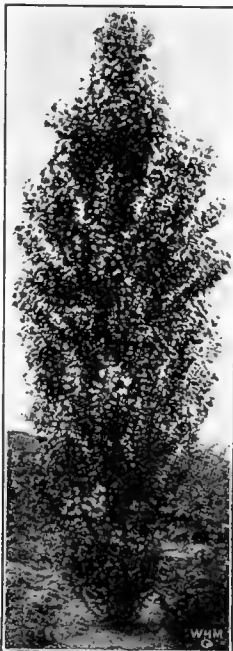
**Americana (American Linden or Basswood).**—A rapid-growing, large-sized tree; very large foliage. 6 to 8 feet, each, \$2.00.

**Europea (European).**—A very fine tree, with large leaves and fragrant flowers, which are much sought after by the bees. 6 to 8 feet, each, \$2.00.

## ULMUS, ELM

**Americana (American White).**—The noble drooping, spreading tree of our own woods. One of the grandest of park or street trees. 8 to 10 feet, each, \$2.00; doz., \$18.00.

**Pendula (Camperdown Elm).**—Grafted on stems 6 to 8 feet high, this variety forms one of the most graceful drooping trees. Each, \$4.00.



Lombardy Poplar



# FRUIT TREES and SMALL FRUITS

## APPLE TREES

The following list of apples will be found to include the varieties which have stood the test in our northern climate.

### PRICES OF APPLE TREES.

Standard Trees on free stocks for orchards, 2-year-old No. 1—11-16 inch caliper, \$1.50 each; \$15.00 per doz. Except where noted.

### SUMMER VARIETIES

**Duchess of Oldenburg.**—Vigorous growth; Russian; large; striped, tender, juicy, subacid; good, regular and abundant bearer. One of the hardiest kinds known.

**Crimson Beauty.**—This is a hybrid reduced by the late F. P. Sharpe, of Woodstock, N.B., between "Fameuse" and "New Brunswick." Fruit medium to large, skin yellow, overspread with crimson. Resembles Fameuse, but lighter tint. Flesh tender, with fine aroma. Sub-acid, fine for dessert or cooking. Very hardy and a heavy bearer. Season, early August. Tree rapid grower. Fruit increases in size during last two weeks, but should be picked before full maturity, owing to its liability to crack.

**Montreal Peach.**—This, although grown in the Province of Quebec for many years, is a Russian. Fruit medium to large, conical, pale straw color, with a fine salmon rose cheek. Season, early September. Texture, all that can be desired in a first-rate apple. Tree very productive, hardy and vigorous. Free from blight.

**Red Astrachan.**—Free growth; large, roundish; deep crimson; juicy, rather acid; good; very hardy; highly esteemed on account of its fine appearance, earliness and hardness.

**Liveland Raspberry.**—Russian, roundish, medium size, flesh white, often streaked with red, juicy, with scarcely any solidity, a good dessert fruit. August to September. Tree, upright grower, spreading with age; very hardy.

**Early Strawberry.**—Russian, roundish, medium to large, heavily striped with deep red, flesh tender, agreeable, firm. Season end of August. Tree only a moderate grower, good bearer and shipper. Very hardy.

**Tetofsky.**—Moderate growth; Russian; medium; yellow and red; juicy; sprightly acid; good; very hardy.

**Yellow Transparent.**—Free growth; Russian; medium; roundish oblate, slightly conical; pale yellow; tender, juicy, sprightly sub-acid; good.

### AUTUMN VARIETIES

**Alexander.**—Moderate growth; Russian; very large and handsome; crimson; crisp, subacid; good.

**Wolf River.**—Very large; beautiful red in the sun, on a yellow ground; strong grower and a good bearer. Original tree in Wisconsin is 40 years old, very healthy and extremely hardy. Large Trees, \$2.00 each.

**Wealthy.**—Fruit medium, roundish, skin smooth, mostly covered with dark red, flesh white, fine juicy, vinous, sub-acid, very good. A free grower and productive. A variety of much value on account of its great hardness and good quality. Large Trees, \$2.00 each.

**St. Lawrence.**—Roundish, oblate, yellowish green, heavily striped and splashed with carmine, size large, flesh white, slightly stained, crisp, juicy, tender and vinous. Tree hardy and productive.

### WINTER VARIETIES

**Golden Russet.**—Vigorous growth; medium; russet; crisp juicy, mild and subacid; hardy; very good; long keeper.

**Boys' Delight.**—A new apple of merit. The fruit which somewhat resembles Fameuse, from which it originated, is a beautiful dark crimson, and is susceptible to a very high polish. The fruit is apparently free from scab and other blemishes which can so often be found on the Snow apple. Flesh firm and sweet.

**Fameuse.**—Vigorous growth; medium; deep crimson; tender, subacid, melting, delicious; very good; hardy. One of the best dessert Apples.

**Gano.**—An improved Ben Davis, adding to good qualities of that variety, a very handsome fruit of deep dark red, that gives a ready sale in the market. Large Trees, \$2.00 each.

**McIntosh Red.**—Large, roundish, skin mostly covered with bright red, flesh tender, subacid, sprightly, very good. A handsome apple of fine quality. Tree vigorous and hardy. For its season the McIntosh Red is one of the best apples grown. Large Trees, \$2.00 each.

**Milwaukee.**—Oblate, fruit large in size; colour yellowish green, splashed and washed on the sunny side with a bright red and crimson; flesh yellowish. Essentially a cooking rather than a table apple.

**North-Western Greening.**—Oblate, nearly round, large, green, turning to yellow when fully ripe; flesh yellow, somewhat coarse, juicy, subacid; quality good. Tree extremely hardy, having, it is said, stood 50 below zero; productive. Large Trees, \$2.00 each.

**Northern Spy.**—Large, round, striped with red with a pale bloom; remarkably tender, juicy, high-flavored and delicious; one of the best long-keeping Apples. Large Trees, \$2.00 each.

**Pewaukee.**—Vigorous growth; large; bright yellow with red; tender, subacid; good; very hardy.

**Princess Louise.**—Fruit medium size; colour greenish, almost covered with a handsome rich red, splashed and striped; quality first class. Tree hardy and productive.

**Scott's Winter.**—Roundish, conical, medium to below medium in size; skin yellowish, well splashed and washed with deep orange and purplish red; flesh yellowish, crisp, tender and juicy; acid but with pleasant flavor. Tree very hardy.

## CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year.

First-class Standard Trees, 5 to 7 feet. Each, \$1.50.

**Hyslop.**—Large size; dark crimson with bloom; very showy; most beautiful of the class. Hardy.

**General Grant.**—Round, oblate; size large; creamy yellow ground with broken stripes, becoming dark red on the sun-exposed side; flesh white, very mild, subacid.

**Transcendent.**—Of the largest size of this class of Apples; red, showy, excellent and very handsome; one of the most desirable.

## PLUMS

Price of the following varieties, \$2.00 each.

**Abundance.**—Beautiful lomon-yellow ground, nearly overspread with bright cherry and with a heavy bloom, large to very large, oblong, tapering to the point; flesh orange-yellow, melting rich and highly perfumed; abundant and annual bearer.

**Bradshaw.**—A very large, oval, dark violet-red; juicy, sweet and good; a valuable market variety.

**Imperial Gage.**—Fruit large, oval, skin pale green, flesh juicy, sweet, rich and excellent. Tree very vigorous and annually productive.

**Mount Royal.**—A very valuable seedling plum introduced by Mr. W. W. Dunlop, Outremont, Que. Fruit roundish, flattened at stem end; colour dark purple with numerous small dots; flesh yellow and juicy; firm and sweet; both for preserving and dessert. Stone below medium. Quality excellent; season early to mid-September. Very hardy, vigorous, very productive and good shipper; promises to be one of our best varieties. Each, \$2.25.

## PEARS

**Flemish Beauty.**—Large, symmetrical, beautiful, juicy, melting, rich and fine; in unfavorable seasons scabs freely unless sprayed. Very heavy bearer; hardiest of all pears of good quality.

**Bartlett.**—Large size, with often a beautiful blush next the sun; buttery, very juicy and highly flavoured; bears early and abundantly; very popular.

Price: \$1.75 each.

## CHERRIES

**Early Richmond.**—Medium size, bright red, melting, juicy, sprightly, acid flavor. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and is exceedingly productive.

**Large Montmorency.**—A large red, acid cherry, larger than Early Richmond, and fully ten days later; very productive, and without doubt the most valuable of all sour cherries; tree strong grower.

Price \$2.00 each.

# FRUIT TREES AND SMALL FRUITS—Continued

## GRAPES

### BLACK

**Campbell's Early.**—Handsome black berries, with purple bloom; rich; keeps very good. Each, 50 cts.; doz., \$5.00.  
**Moore's Early.**—Bunch medium; berry very large, with heavy, blue bloom; good quality. Each, 50 cts.; doz., \$5.00.

### RED

**Brighton.**—Flesh rich, sweet and of the best quality; ripens early. Very productive and vigorous. Each, 50 cts.; doz., \$5.00.  
**Delaware.**—Bunch small and compact; berries small, light red, sugary and vinous. Each, 50 cts.; doz., \$5.00.  
**Lindley.**—Bunch medium, somewhat loose; berries medium to large, round; flesh tender and sweet. Vine very prolific. Each, 50 cts.; doz., \$5.00.

### WHITE

**Green Mountain.**—An extra-early grape; skin very thin, tender and sweet; contains only one or two seeds; superb quality. Each, 50 cts.; doz., \$5.00.  
**Moore's Diamond.**—Bunch large and compact; berries medium; flesh juicy, very palatable. Each, 50 cts.; doz., \$5.00.  
**Niagara.**—Bunch medium to large; berries large, roundish, uniform; skin thin, with a whitish bloom; flesh slightly pulpy, tender and sweet. Each, 50 cts.; doz., \$5.00.

## BLACKBERRIES

Best sorts.—\$2.00 per doz.

## CURRENTS

**Perfection.**—This is the largest red currant known. It bears the largest crop of the largest clusters and has been awarded the first prizes wherever exhibited. It originated in Rochester, being a seedling of the Fay, the largest heretofore known, and the White Grape currant, the greatest bearer among currants—thus combining the good qualities of both parents. A three-year-old plant well cared for and in proper ground will produce an 11-quart basket of fruit, and an acre holds 1,500 plants. Each, 75 cts.; doz., \$6.00.  
**Price of the following varieties, 50 cts. each; \$4.50 per doz.**  
**Black Champion.**—A variety from England, more productive and fruit larger than Black Naples; season later than most sorts and hangs on extremely well; very profitable.  
**Black Naples.**—Very large, black; bunches of medium length. Much valued for jellies. Strong grower and coarse leaves.  
**Cherry.**—One of the largest red Currants; bunch short. An old and tried variety. Very prolific.  
**Fay's Prolific.**—Fruit very large, bright red and of excellent flavor; less acid than the Cherry. It has a long stem which admits of rapid picking and is enormously productive.  
**White Grape.**—Very large, yellowish white; sweet, or a very mild acid. Excellent quality and valuable for the table. The finest of the white sorts.

## GOOSEBERRIES

**Industry.**—An English variety more generally planted than any other, as it is free from mildew and bears freely very large dark red fruit of delicious quality. We recommend this for general use. **Sold out.**  
**Downing.**—Whitish green; vigorous and prolific; juicy and good. A fine, reliable berry for general culture. Doz., \$6.00; each, 75 cts.  
**Houghton.**—An American variety, bears abundant and regular crops, seldom mildews; fruit smooth, red, tender and very good. Doz. \$6.00; each 75 cts.  
**Pearl.**—The most prolific Gooseberry known. One bush produced 2,500 berries. It is free from mildew, and is much larger than the Downing. The colour is bright green and quality first class. Being thoroughly tested, we offer it as the best of its class yet grown. **Sold out.**  
**Keepsake.**—Very large, straw coloured, excellent flavor. Can pull very early for green. **Sold out.**

## RED RASPBERRIES

**St. Regis Raspberry.**—An everbearing variety of unusual merit. Introduced in 1911. A red raspberry that gives ripe fruit earlier than any other kind, and continues to do so continuously until the ground is frozen. The berries are of good size, bright crimson, exceedingly firm and of sweet, rich flavor. Doz., \$2.00; per 100, \$9.00  
**Herbert.**—A new variety, very hardy strong grower, probably the safest variety to plant for this climate. Doz., \$1.50; per 100, \$8.00.  
**Columbian.**—A new variety of great promise. It is a very vigorous grower and very hardy. Fruit purple and delicious for table or canning, and an excellent shipping variety. Per doz., \$2.00; per 100, \$10.00.  
**King.**—The earliest berry, a few days ahead of Marlboro, hardly as large but of better colour. Is a more healthy and vigorous grower, and very productive. We consider this the best early. Per doz., \$1.50; per 100, \$8.00.  
**Eaton.**—A new variety of great promise, a very large firm berry, dark red. Cane is a slow grower, but very productive. Per doz., \$1.50; per 100, \$8.00.

**Cuthbert.**—An old standard, vigorous, productive and a firm fine berry of best quality, late. Is not hardy here for field culture; in gardens laid down it does very well. Per doz., \$1.50; per 100, \$8.00.  
**Loudon.**—A good late berry the hardiest of them all; requires rich soil and high cultivation. Per doz., \$1.50; per 100, \$8.00.

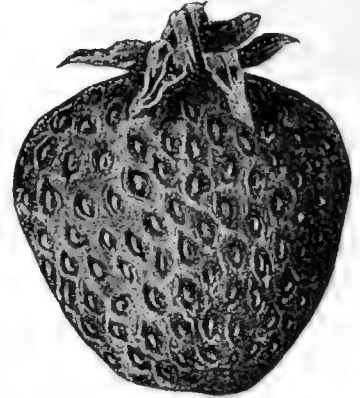
## YELLOW RASPBERRIES

**Golden Queen.**—Large; beautiful amber colour; firm and of fine quality. Plant vigorous, hardy and remarkably productive. Per doz., \$1.50; per 100, \$8.00.

## STRAWBERRIES

To insure a good crop of Strawberries the following season, plants should be set as early in the spring as the ground can be worked.

Below, we offer the most desirable and luscious for the home or market garden. Orders are filled with plants freshly dug from the ground and reach our customers in the best possible condition.



Strawberries

### EARLY

**Bederwood.**—Medium size, heavy bearer, very vigorous, well-known variety. Per 100, \$2.00; per 25, 75 cts.  
**Dunlap.**—Medium to large, very hardy and productive, one of the most popular, does well in most places. Per 100, \$2.00; per 25, 75 cts.  
**3 W. S.**—Same season as Dunlap but larger plant and berries very vigorous; in some soils superior to Dunlap. Per 100, \$2.00; per 25, 75 cts.

### MEDIUM SEASON

**Wm. Belt.**—One of the finest flavored berries, very large and sweet and plant strong growing. Per 100, \$2.00; per 25, 75 cts.  
**Golden Gate.**—A good garden variety, very large, firm and high flavor. Per 100, \$2.00; per 25, 75 cts.  
**Pocomoke.**—Very similar if not the same as Parsons' Beauty; it is large, dark colour and the most productive of all berries in a soil that suits it. Per 100, \$2.00; per 25, 75 cts.

### LATE

**Uncle Jim.**—One of the largest berries, very sweet and solid, best for canning. Plant is very strong, never wilts and is a good variety for a second crop. Per 100, \$2.00; per 25, 75 cts.  
**Joe.**—A very strong-growing plant and a very beautiful berry. Per 100, \$2.00; per 25, 75 cts.  
**Columbian.**—Similar to Gandy, very firm and fine quality. Per 100, \$2.00; per 25, 75 cts.  
**Nettle P.**—The latest berry of all and a very fair producer is a pistillate variety. Per 100, \$2.00; per 25, 75 cts.

## EVERBEARING STRAWBERRIES.

These new strawberries will revolutionize strawberry-growing here. Plants set out in spring with first blossom cut off will start to bear about the 1st of August and continue bearing until heavy frost in late October. The plants are very healthy, have fine bright green foliage, makes many runners and stands up in the hottest weather. The berries are medium in size and very firm, will keep perfectly good for four or five days in the box and are much sweeter and finer in quality than the ordinary strawberry. Until these varieties were introduced, late-bearing strawberries never produced in quantity; these will.

**DIRECTIONS.**—Plant early and keep blossoms cut off until June 25. Manure heavily and cultivate sufficiently to give a soil mulch. Do not let many runners form. Irrigation in July and August will increase the crop.

**Progressive.**—The strongest growing and most prolific fruiting of the two varieties, berries of fair size and produced in great abundance; they are of an attractive deep, glossy crimson color and of good flavor.

**Americus.**—Very free fruiting and for size of berries, handsome appearance and quality, it is at the head of this type, surpassing in this respect some of the June fruiting varieties.

**Price:** Either of the Everbearing varieties, 75 cts. per doz.; \$4.00 per 100.

If wanted by post, add 25 cts. per 100 for Province of Quebec.

Ask for Cultural Directions, etc., FREE.

DUPUY & FERGUSON, 38 JACQUES CARTIER SQUARE, MONTREAL

# FARM and GARDEN IMPLEMENTS

## No. 6 "IRON AGE"

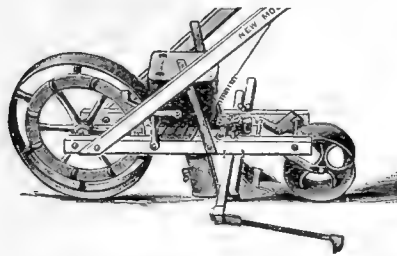
Combined Double Wheel Hoe, Hill and Drill Seeder. No rakes.  
\$25.00.



## No. 6 IRON AGE

## No. 7 "IRON AGE"

Same as No. 6, but is a Hill and Drill Seeder only, \$18.50.

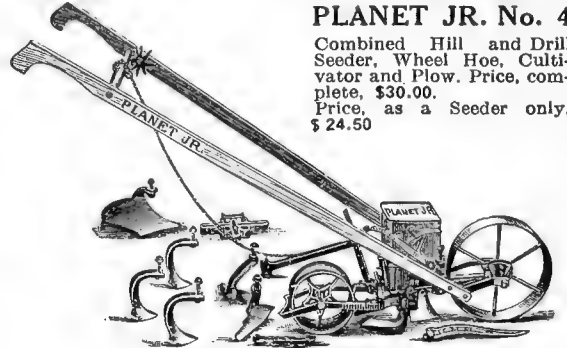


## IRON AGE NEW MODEL SEED DRILL

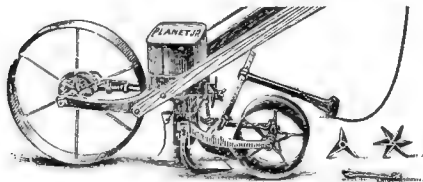
One of the leading Seed Drills. Very simple in construction.  
Used by leading market gardeners. Price, \$16.00.

## PLANET JR. No. 4

Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. Price, complete, \$30.00.  
Price, as a Seeder only, \$24.50



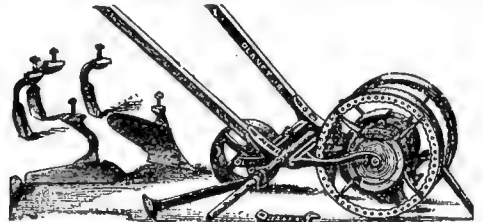
## PLANET JE. No. 3 HILL AND DRILL SEEDER \$29.00



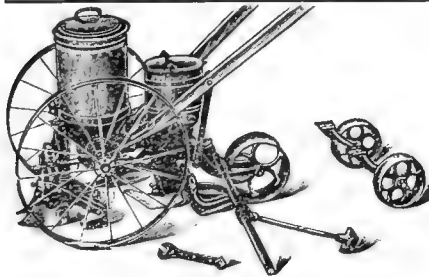
15 inch steel driving wheel. Hopper holds 3 qts.

## PLANET JR. No. 1, \$24.50

Combined Drill Seeder, Wheel Hoe, Cultivator and Plow.



Planet Jr., No. 2, \$20.25 Same as No. 1, but is a Seeder only.



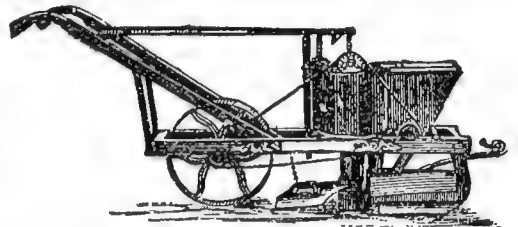
## No. 22 COMBINED FERTILIZER DISTRIBUTOR HILL AND DRILL SEEDER

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, \$38.00.

## QUEEN CORN PLANTER AND FERTILIZER DISTRIBUTOR COMBINED

Plants Corn, Beans, Peas, Beet or Mangel seed in hills and drills; it will drop 6, 12, 24 or 36 inches, or drop 7, 15, 30 or 45 inches, and will distribute from 50 to 450 lbs., as desired, of commercial fertilizer, wet or dry. Price complete, \$30.00. Price without fertilizer Distributor \$23.00.

This Planter has been used on all kinds of soil and under all circumstances; every improvement has been made to make this the most perfect and reliable Planter in the market.

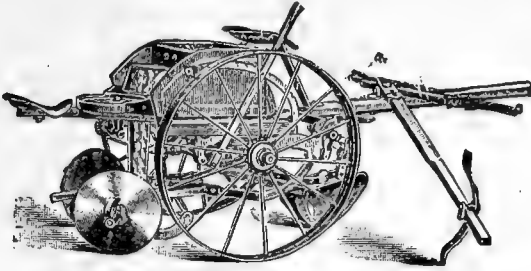


The "PLANET JR." Catalogue, describing and illustrating Seed Sowers and Cultivators and their Operation mailed on application.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

EVERYTHING FOR THE GARDEN, FARM AND LAWN

ROBBINS' POTATO PLANTER



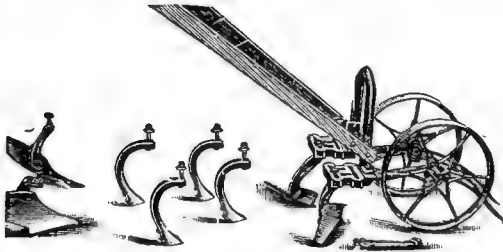
Illustrated Catalogue and Price on Application.

EUREKA SLIDE CORN PLANTERS



The Eureka Slide Corn Planters are acknowledged by all who have used them to be the most satisfactory implements of their kind on the market. Eureka Planters are light and durably made and are fitted with adjustable seed gauge and a steel cut-off spring. Positively no brushes used. Price, with one or two handles, \$2.25.

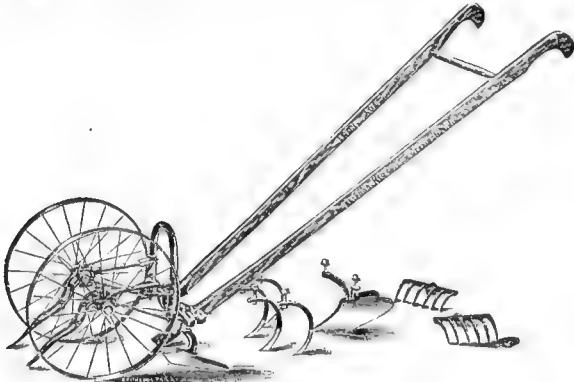
"PLANET JR.," No. 12 DOUBLE WHEEL HOE



Has the following attachments: one pair of 6 inch hoes, two pairs of cultivator teeth, one pair of ploughs. Price, \$19.50.

No. 1 "IRON AGE"

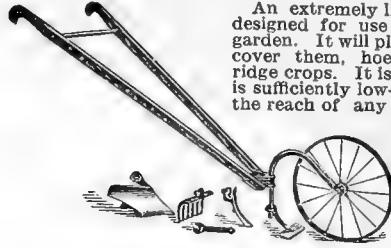
Double Wheel Hoe Cultivator and Plow combined. No rakes. Price, \$16.00.



No. 3 "IRON AGE"

Same as No. 1, but with side hoes only, \$10.75

No. 12 WHEEL PLOW and CULTIVATOR



An extremely light, yet strong tool designed for use in a small kitchen garden. It will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool, but is sufficiently low-priced to be within the reach of any laborer, mechanic or owner of small garden with little money to invest in tools or time to spare for anything but straight ahead cultivation. Price \$8.50.

IRON AGE HORSE HOE and CULTIVATOR

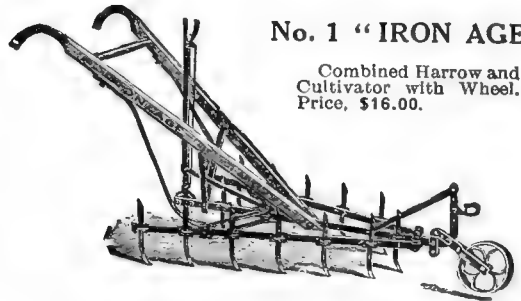
Price with two levers, No. 600. Price, \$17.00.



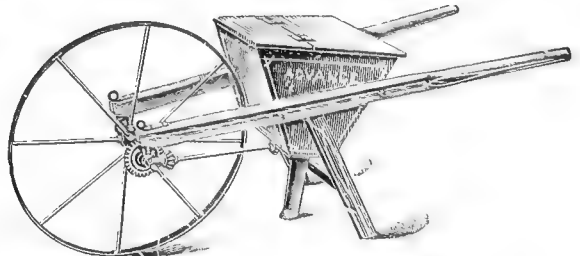
PLANET JR. CULTIVATOR WITH TWO LEVERS, No. 8, \$31.00

No. 1 "IRON AGE"

Combined Harrow and Cultivator with Wheel. Price, \$16.00.



"ADVANCE" FERTILIZER DRILL



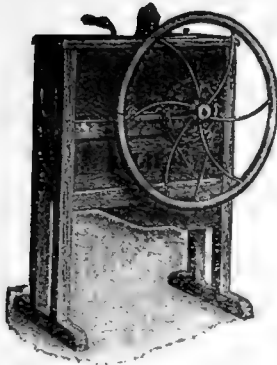
The best low-priced distributor on the market.

A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas and corn.

Price, each, \$15.00.



**CLINTON CORN SHELLER**



Here is a light inexpensive hand Sheller that will render excellent service on medium sized corn, though it is not as well suited to the largest ears as the Lancaster and the Eclipse. Capacity is slightly less than that of the Lancaster. The Clinton is substantially built and carefully finished in every detail. The ears are fed into the Sheller at the right hand corner on top, while both the corn and the cobs are expelled underneath the frame on the left side. Weight complete as illustrated, 88 pounds. Price \$20.00.

**ECLIPSE CORN SHELLER**

This is our most complete single-hole Sheller. It will handle the largest ears as well as the small ones, shelling clean and rapidly.

The Eclipse has adjustable hopper, large fly wheel and cob separator. Fan attachment for cleaning the corn can be supplied to special order. Frame is clean hard wood, the shaft steel, and Sheller throughout abundantly strong.

Corn is delivered under the hopper while the cobs are discharged from the end of the Sheller. Average capacity about 24 bushels shelled corn per hour. Weight 140 pounds. Price \$25.00.

**IMPROVED GEARED HAND BROADCAST SEED SOWER**

The most convenient, substantial and latest improved crank Seed Sower in the market. Has a pressed distributing wheel, hand hold on side, and no feed plate to carry. Satisfaction guaranteed.

The Improved Hand Broadcast Seed Sower will distribute Flax and Clover Seed 36 feet to the round; Wheat 50 feet to the round; Timothy Seed 27 feet to the round; Oats 30 feet to the round.

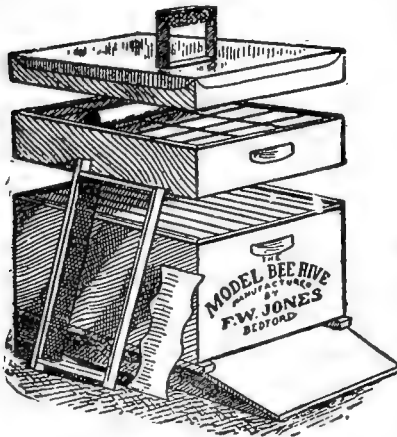
Price, \$3.00.



**"BLACK HAWK" CORN SHELLER**

Weight, 15 Pounds, Shells Fast, Clean and Easily.

Black Hawk is simple, easily adjusted, and will shell clean all kinds of field corn. Price, each, \$4.50. Larger size, price and particulars on application.



**BEE KEEPERS' SUPPLIES**

**THE IMPROVED LANGSTROTH BEE-HIVE**

This Hive has been very extensively sold in every Province of the Dominion, and to considerable extent in the Northern States and Europe. It is unquestionably the best Hive in use for our climate.

Price on Application.

**Brood Frames.**—Langstroth frames, in flat, with top bar grooved for inserting foundation. \$10.50 per 100.

**Hoffman self-spacing Frames.** In flat, including the wedges, \$11.50 per 100.

**Bee Vells.**—Good material with silk tulle face, \$1 00 each.

**Bee Feeders.**—MILLER FEEDER with entrance at side instead of the middle, which we consider preferable. Nailed up complete, \$1.25 and \$1.40 each.

**Wood Separators.**—With metal end, 17 x 18, \$3.25 per 100.

**Sections Honey Boxes.**—

Prices per 100.....	\$2.50
per 250.....	4.50
per 500.....	8.50
per 1000.....	16.00

**Bee Smokers.** (Bingham Patented Smoker).—Large Conqueror size, fire box being long and 3-in. in diameter, with bent nozzle, wide shield, and handle to remove top for refilling. \$1.50 and \$2.25 each.

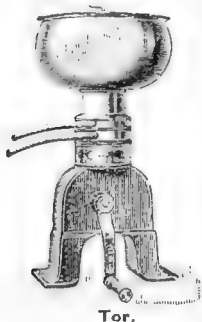
**Rubber Gloves.**—\$2.50 per pair, Oiled Cotton, \$2.00 per pair.

**Bee Escapes.**—These will be found of great value when taking off honey. Each, single, 25 cts.; double, 30 cts. each.

Complete Catalogue Mailed on request.

<b>COMB FOUNDATION</b>	Per lb.	5 lb.
Medium Brood. For brood frames.....	\$0.95	\$4.50
Light Brood. For brood frames.....	1.00	4.75
Thin Super. For section boxes.....	1.05	5.00
Ex. Thin Super.....	1.10	5.25
<b>Honey Extractors.</b> (Reversible Automatic).—Taking 4 frames not over 9½x18 in.. \$65.00; 4 frames not over 12x18 in.. \$72.50.		
<b>Honey Knives.</b> —Bingham 8-inch Blade, \$1.75, 10-inch Blade, \$2.00.		

**SWEDISH SEPARATORS**  
THE MOST MODERN AND PRACTICAL SEPARATORS OF THE PRESENT TIME

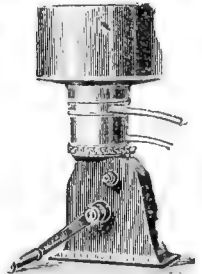


Tor.

Adapted to best meet the requirements of the family with one cow or more. They are manufactured in Stockholm, Sweden, the birthplace of the cream separator industry.

The "Wasa" Separator, Capacity 15 gallons per hour.....	\$28.00
The "Tor" Separator, Capacity 30 gallons per hour.....	\$40.00

The above separators are guaranteed to be as represented and to fulfill all the claims made for them. Illustrated CATALOGUE giving full particulars, FREE on request.



Wasa

With conditions as they are to-day, the prices on above goods are subject to change without notice.

EVERYTHING FOR THE GARDEN, FARM AND LAWN

# SPRAYING APPLIANCES

## SPRAMOTOR Jr. No. 2



We illustrate here the SPRAMOTOR Jr. No. 2, which is exactly the same as No. 1 size; only that it has larger capacity.

The No. 1 SPRAMOTOR is capable of handling three nozzles or less, and is plenty large enough to look after an orchard containing up to 300 trees. For an orchard of this size, we recommend the explained.

**OUTFIT NO. 1—D.** fitted with No. 1 Spramotor, 10 feet Hose with couplings, 1 Hand Valve, 1 Bamboo Extension Rod and 2 nozzle cluster with nozzles. Price complete without barrel \$28.40  
Same with 3 nozzle cluster, \$24.50. Barrel, \$5.00 extra.

**OUTFIT No. 1—F.** same as described for No. 1 D, with exception that it is fitted with Iron Rod 25.75  
Same with 3 nozzle cluster 26.70

**OUTFIT No. 1—E.** same as described for No. 1 F, fitted with 1 nozzle. 24.00

The No. 2 SPRAMOTOR is capable of handling up to six nozzles by hand power, and sixteen if worked in connection with Gasoline, or other power engine. As before explained, it is the same as the No. 1 SPRAMOTOR, the only difference being that it is of greater capacity. The outfits which we recommend in this size are as follows:

**OUTFIT No. 2—F,** being comprised of Spramotor Jr. No. 2, 2 lines of hose each 10 feet long, 2 Bamboo Extension Rods, 2 Hand Valves and two 2-nozzle clusters with nozzles. 39.50  
Price without barrel 39.00  
Same with Iron Rods . . . . .

**OUTFIT No. 2—G.** being Spramotor Jr. No. 2 with 1 line of hose 10 feet long, 1 Bamboo Extension Rod, 1 Hand Valve and one 3 nozzle cluster with nozzles. \$34.00  
Same with Iron Rod . . . . . 33.00

**OUTFIT No. 2—H.** same as described for No. 2 F, being fitted with two 3 nozzle clusters. Price without barrel . . . . . 42.50  
Same with Iron Rod . . . . . 38.00  
Extra for Brass machine of the No. 1 or 2 size, \$5.00.

### SPRAMOTOR OUTFIT 103

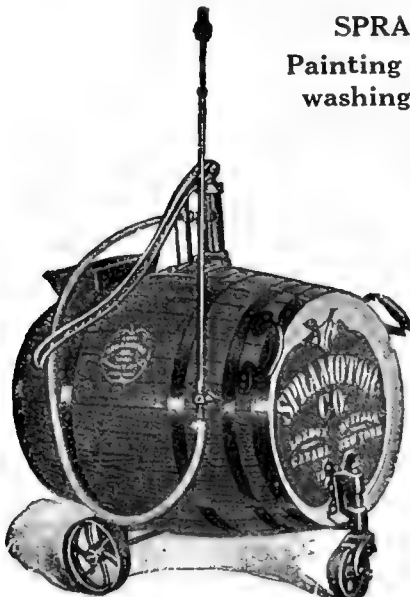
Spramotor Jr. No. 0 brass working parts . . . . .	\$9.00
Ten-feet 1/2-inch Hose, with brass couplings . . . . .	2.75
Iron Rod, with patent drip guard . . . . .	2.00
One Hand Valve, Fig. 52 . . . . .	1.25
One Fig. 57 Nozzle . . . . .	1.00
	<hr/>
Complete in 5-gallon Galvanized Can . . . . .	\$16.00
Complete in 10-gallon Galvanized Can . . . . .	20.50
	22.50



### SPRAGUN

The SPRAGUN has several features which are of great advantage to every fruit grower and user of spraying machines. Price \$18.50. Catalogue on request.

### SPRAMOTOR Painting and White- washing Apparatus



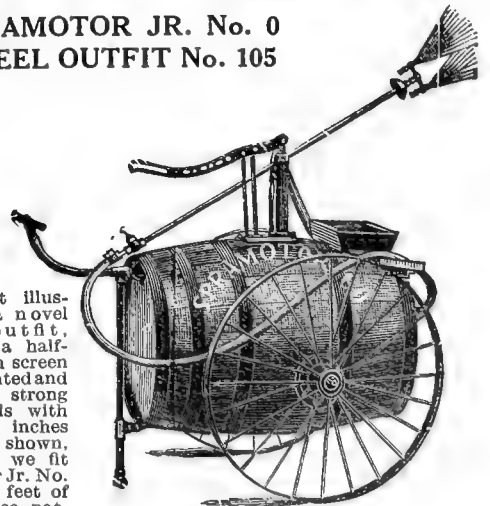
Painting and Whitewashing Apparatus  
No. 2 Spramotor and single line of hose and two nozzles, \$54.50.

The machine shown here is especially fitted for the purpose of painting and whitewashing. Is fitted to barrel, with strong truck castings, and is intended to be used wherever the floors or ground is hard. The outfit is compact in every way, and can be turned within its own length. Can be handled by one person, and is quite the most economical apparatus for this purpose on the market.

Price complete as shown, \$44.00.

If with double lines of hose and accessories, \$45.50.

### SPRAMOTOR JR. No. 0 WHEEL OUTFIT No. 105



The cut illustrates a novel wheel outfit, which is a half-barrel with screen neatly painted and fitted to strong iron wheels with tires 1 1/2 inches wide, as shown, on which we fit Spramotor Jr. No. 0, with 5 feet of 1/2-inch hose, patent hand valve, and iron extension rod and nozzle.

Price complete, one nozzle . . . . . \$30.70  
Price complete, with bamboo extension rod . . . . . 39.00  
If No. 1 Spramotor add . . . . . 9.00  
If No. 2 Spramotor, all brass, add . . . . . 14.50

This outfit is the most serviceable arrangement for garden or gentlemen's city suburban residences. It will do any work possible with one nozzle.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

**THE NEW NOZZLE RING CLUSTER**



Fig. 30

- Price—3-nozzle cluster . . . . . \$2.65  
 " 4-nozzle cluster . . . . . 3.50  
 " 6-nozzle cluster . . . . . 4.85  
 " 8-nozzle cluster . . . . . 6.00

Drip-guard for iron extension pipe, extra, 75 cts.

The illustration shows the latest development of clusters of nozzles. They are economical and will save their cost in ten days' use, and yet do more perfect work than any other. They have been carefully tested in actual work and are fully guaranteed

**NOZZLE CLUSTERS**

- 2-nozzle cluster, 60 cts.; with nozzles, \$3.00.  
 3-nozzle cluster, 75 cts.; with nozzles, \$4.25.



Fig. 47.

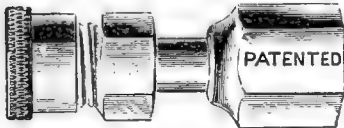


Fig. 57.

**SPRAMOTOR NOZZLE**

The best for white-washing and all other purposes yet invented. Price, \$1.00.

**"FRIEND" ANGLE DOUBLE-BALL SHUT-OFF**

Keeps the operator's hands and clothing dry. It cannot leak. It is quick and positive in its action. As the hose hangs in a natural position where it approaches the valve, it prevents bursting, thus saving hours of time and annoyance. The valve fits 1/4-inch standard pipe and standard hose coupling. Price, \$3.50. Postage extra, 20 cts. Satisfaction guaranteed.



**IRON ROW-SPRAYER**



These Iron Row Sprayers are of fixed width between the nozzles, made to suit any width up to 42 inches width at the same price or will be fitted with the rack and support.

- 4 Rows—Without nozzles, \$3.50. With nozzles, \$6.50.  
 5 Rows—Without nozzles, \$4.00. With nozzles, \$8.00.

**BRASS ROW SPRAYERS**

The nozzles, as priced below, are adjustable from 26 to 36 inches, but may be arranged to any desired width at a proportionate advance in price.

- 2 Rows with nozzles all brass, adjust. 26" to 36" . . . . . \$ 5.80  
 3 Rows with nozzles all brass, adjust. 26" to 36" . . . . . 11.75  
 4 Rows with nozzles all brass, adjust. 26" to 36" . . . . . 16.25  
 5 Rows with nozzles all brass, adjust. 26" to 36" . . . . . 20.25

**SPRAMOTOR NOZZLE.**



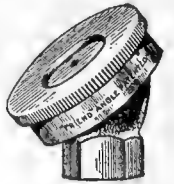
Fig. 39.

This Nozzle has advantages not possessed by any other style. The spray can be graduated from smallest fan shape spray up to a solid stream. It can be disgorged in an instant by reversing the handle. Is not easily clogged.

Price . . . . . \$1.25

**FRIEND NOZZLE**

The original large spray nozzles doing away with the cluster. The only ones with the maker's name and word "Patented" stamped upon them. They have no horns, hooks, nothing to catch, drip or clog. Make the finest mist-like spray. Drive the spray farther into the trees than the cluster. The "Angle" sprays up under the leaves and down into the Calyx. The "Regular" is for ordinary work. State which is wanted. Satisfaction guaranteed or money refunded. Price, \$1.75.



**SPRAMOTOR HAND VALVE**

This valve can be instantly closed or opened by a simple pressure of the hand, is packed and closed by spring pressure, is of brass, carefully made, and it has one great advantage over stopcocks: it will not leak through the nozzle or through the packing. It can be opened or closed with one hand while pumping with the other hand. For white-washing or painting work it is invaluable.



Fig. 52.

Price . . . . . \$1.25

**BAMBOO EXTENSION ROD**



Fig. 49.

No iron is used in its construction, the seamless tube extending inside the bamboo being of brass, with brass connections at the ends, interchangeable with other sizes; will be made 6, 8, 10, 12, or 14 feet long.

A water drip guard and end prevents any drip from the nozzles running down the bamboo pole on to the operator's hands. Price—Bamboo Rod—

- 8 feet . . . . . \$3.30 12 feet . . . . . \$4.00  
 10 feet . . . . . 3.60 14 feet . . . . . 4.25

**IRON EXTENSION PIPES**

Iron Extension Pipe is made in lengths to suit purchasers—either six or eight feet. Each, \$1.25 and \$1.50.

CATALOGUE of

**Power Sprayers**

FREE ON REQUEST

With conditions as they are to-day, the prices on above goods are subject to change without notice.

# EVERYTHING FOR THE GARDEN, FARM AND LAWN

## VERMOREL'S "ECLAIR" KNAPSACK SPRAYER

(Recommended by the Board of Agriculture and other authorities.)

This strong **Copper Sprayer** most effectively discharges all fluids. It is specially useful in fruit gardens, where it will in one season repay its cost. The nozzle is designed to deliver the spray in any direction, and may be changed instantly at the will of the operator. The pump action is arranged so as to agitate the contents—thus keeping the mixture in uniform proportion throughout the process of spraying; this is essential when thick mixtures are being used.

The "ECLAIR" is a reliable and durable machine, simple of construction. Any portion can be replaced at trifling cost. Capacity about 3½ gallons.

Wherever it has been used, it has given entire satisfaction. Price, \$30.00.



Guelph, Ont., April 28, 1915.

Gentlemen:—

May say we have used this knapsack sprayer for about three years, and like it very much indeed. It is superior to any other make we have tried, and is a very great convenience.

Yours truly,

J. W. CROW, Professor,  
Dept. of Horticulture.

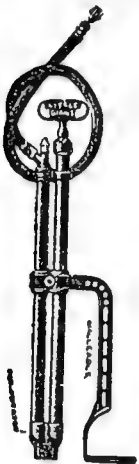
Ontario Agricultural College.

## THE ROCHESTER SELF-OPERATING SPRAYER

The air enters the sprayer through the valve at bottom of pump, thoroughly agitating and mixing the contents of sprayer. The compressed air, being powerful, forces the liquid out through the outlet pipe, making either a fine spray or a solid continuous stream as desired. This size machine holds from

3 to 4 gallons. Made of brass. Price, \$15.00. Made in Galvanized \$10.50.

**Extension Pipe.**—Made of solid brass. Three feet in length. Several lengths of pipe may be screwed together, \$1.00 ea.



## BUCKET SPRAY-PUMP

Constructed entirely of brass. It will throw a solid stream 50 feet, is of value for spraying fruit trees, washing windows, buggies, sprinkling lawns, flowers, etc. For spraying, it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only, and a very necessary feature to a spray pump.

Price..... \$10.00

## SMITH'S WHITEWASH SPRAYER and FORCE PUMP

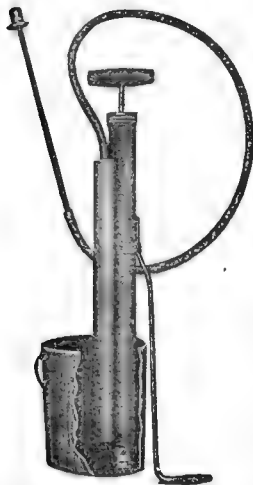
Will Fit any Pail or Bucket

Made of galvanized iron

The Pump is used for a bucket spray and force pump, for spraying trees, shrubbery, garden use, vegetables, washing wagons, windows, etc., as well as for whitewashing. It will throw a continuous stream 35 feet high.

No. 28 Pump is provided with our patent spring plunger leather expander which keeps the plunger leather open and in shape, and prevents it from drying up.

Galvanized Iron, \$4.50.



With conditions as they are to-day, the prices on above goods are subject to change without notice.

## EUREKA BUCKET SPRAYER

Will Fit in Pail or Bucket

This Spray Pump is made entirely of Brass, with the exception of the handle and stirrup which are made of malleable iron. Has brass ball valves, and valve seats, brass plunger. No parts to wear, no leathers used in this pump.

The large Air Chamber on this pump enables the operator to keep a constant pressure on the nozzles, from 50 to 100 lbs., with little exertion.

Rapid pumping is not necessary. This pump is adapted for all kinds of spraying purposes, including whitewashing, spraying disinfectants, trees, shrubbery, vegetables, washing wagons, windows, etc.

Price, \$8.00; with Bordeaux Nozzle, \$1.25 extra



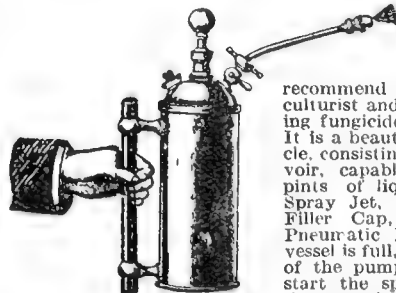
## JUNIOR No. 5 SPRAY and FORCE PUMP

This pump does away entirely with the objectionable footrest, clamps, leather suction packing, etc. This pump requires no fastening of any kind. All the operator need do is to press the plunger down, a flexible coil spring making the upward stroke. Will pump from a pail, barrel, tank, spring or creek. Has automatic mixer to keep solution stirred. It is practically impossible for any part to get out of order as everything except handle and hose is of solid brass. Throws three sizes of solid continuous streams and two sizes of fine round spray. Price, \$6.50.

**Extension Pipe.**—Made of solid brass. Three feet in length. Several lengths of pipe may be screwed together. \$1.00 each.



## ENOTS' COMPRESSED AIR SPRAYER



This is the best Sprayer of its class that has come under our notice, and we can thoroughly

recommend it to every Horticulturist and Florist, for applying fungicides and insecticides. It is a beautifully finished article, consisting of a copper reservoir, capable of holding four pints of liquid, an improved Spray Jet, a Stop Cock, and Filler Cap, and a nickelled Pneumatic Pump. When the vessel is full, one or two strokes of the pump are sufficient to start the spray, at the same time causing agitation to the liquid, thus preventing the accumulation of sediment. The spray, which is as fine as mist, continues for several minutes, and can be discontinued for any length of time and restarted without further pumping. Price, \$20.00.



# LAWN AND GARDEN ESSENTIALS



**COMPRESSED AIR  
ATOMIZER**

The most perfect small hand compressed air sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under leaf sprayer. In fact, spray can be delivered at any angle or position desired. Price, \$2.50.



**THE ACME  
SPRAYER**

Sprays fluids in the form of mist. Just what is needed for applying liquid insecticides and fungicides. The tapering point to the air-chamber gives great force to the spray. Price, tin, \$1.25. Galvanized iron, \$1.50. Brass, \$2.00.

## DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 40 cts.

## THE FEENY DUST GUN

The distribution of powdered insecticides seems to have outgrown the possibility of an ordinary bellows. It distributes Powdered Arsenate of Lead, Sulphur, Tobacco Dust, Lime, etc., in an even manner in cloud form. For use in the orchard, vegetable, fruit and flower garden, it will be numbered among the indispensable garden apparatus. Price, \$4.00 each.

## SECATEURS, Best French Wheel Spring



These have a distinct, very easy-working spring and are especially desirable for one whose hand is liable to fatigue when pruning.

French, 6 inch.....	\$2.50
French, 7 inch.....	2.75
French, 8 inch.....	3.00
French, 9 inch.....	3.50
Best American Make, 8 inch.....	1.50
Best American Make, 9 inch.....	2.00



**Tree or Bark Brushes.**—For brushing down trees, for removing insects, borers, etc., made of steel. Price, \$5.50.



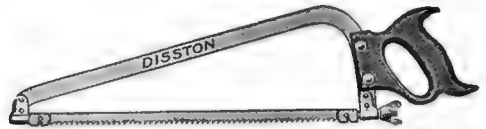
**Tree Scraper.**—Wire teeth. Price on application.

## DISSTON ADJUSTABLE BLADE

### PRUNING SAW No. 25

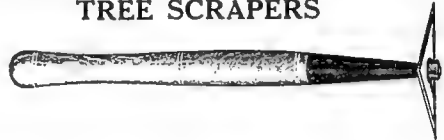


Can be adjusted and used at any angle. So branches can be easily removed close to the trunk of the tree; cuts cleanly and rapidly; light and strong, \$3.50.



**Blade Pruning Saw, No. 16.**—Flat steel back, narrow tapered point, closed Beech handle, varnished edges, two nickel-plated screws. Handle has extra large grip for use with gloved hand. Swivel stretcher. Blued steel blade. Length of blade 14 inches center to center of holes. Each, \$3.50.

## TREE SCRAPERS



For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. Price, \$1.25 each.



Pruning Knives, \$2.00 to \$3.00 each.



Budding Knives, \$2.00 to \$3.00 each.



Wedge Knife for top Grafting, each \$2.00

**Grafting Wax.**—Lion Brand, ¼ lb., 25 cts.; ½ lb., 35 cts.; 1 lb., 60 cts.



Asparagus Knife, each \$1.75.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

## KANSAS PRUNING KNIFE IMPROVED



1.

The **Kansas Pruning Knife** has revolutionized Tree pruning. Instead of being a hard and laborious task, it is made a pleasant pastime on account of the ease and speed with which it can be done.

On heavy limbs, or in cutting any limb close to the body of the tree, the knife works automatically—no levers to operate by hand—just put the hook over the limb and give a quick straight pull on the handle, as shown in cut 1, and off comes the limb.

For cutting small outer or swinging branches, attach a cord to the ring in the sleeve, put the hook over the branch to be cut and pull on the cord, as shown in cut 2.

The work that this knife will do is wonderful. Five or six trees can be trimmed with it while one is being done with other knives. It will pay for itself every two or three days in use for the saving of time. It will cut any limb from the size of a match to one and one-quarter inch in diameter. Any length handle can be used, giving one the advantage of standing on the ground to do the work and doing it properly. No climbing, no standing or no hanging to limbs to work and make mistakes where one can't tell what to take out or what to leave.

Thousands in use that are giving the best of satisfaction. The **Kansas Pruning Knife** needs no special recommendation; by its work it speaks for itself and proves its great value. Price, \$3.50.



2.



## ORCHARD KING PRUNING KNIFE

This two-hand pruning shear readily cuts a live tree branch two inches thick.

A roller bearing makes it work easily and prevents wear.

Notice the compound leverage, and notice to the slot in the blade at the pivot bolt. These exclusive features cause a powerful extra long drawing cut, so that the limbs are not bruised nor crushed, but sheared off clean. Hence the wounds heal quickly and without decay.

Notice, too, how compact the knife is. Thus it can be worked where limbs are very close together, removing one without injury to the others. Price, \$7.00.



**Clover Lawn Mower Sharpening Compound** is a grinding compound of which 3,000,000 cans are sold annually for a hundred purposes, and when applied in the right grade (grade D) to the cutting edges of a mower, after these edges have been properly adjusted, it will grind them together in place sharp, and make a perfect job of it.

Instead of paying from \$1.00 to \$2.00 to have your mower improperly sharpened once a season, buy a 50-cent can of **Clover Mower Sharpening Compound**, and sharpen it every time you use it—you will never know the delight of cutting grass until you do. Per can, 65c.

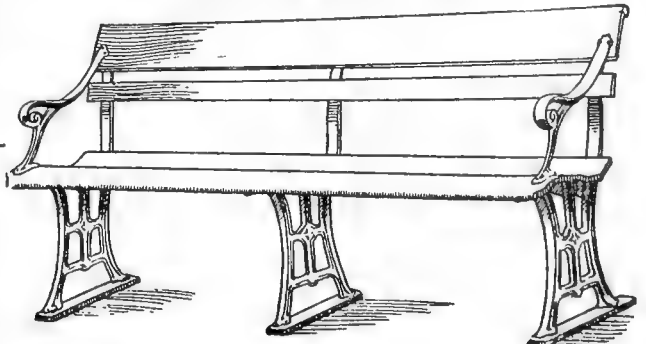
Full Details and Illustrated Instructions come with Each Can.



## FRUIT PICKER, THE PERFECT.

Galvanized steel wire, attaches to pole of any length. It is always the choicest fruit that cannot be reached from the ladder; you do not wish to knock it down with a club, as the fall would bruise it. Use the **Fruit Picker** and the fruit is caught in the pocket prepared for it. Price, without pole, \$1.25

## LAWN OR HALL SEAT



Price, 6 feet ..... \$12.00  
 " 8 " ..... 14.00  
 " 10 " ..... 15.50

Special price on large quantities.



## WATERS' TREE PRUNERS

With removable cutting blade and pole complete.

8 feet ..... \$2.00  
 10 " ..... 2.25  
 12 " ..... 2.50

With conditions as they are to-day, the prices on above goods are subject to change without notice.

# The "PENNSYLVANIA" LAWN MOWER

Is claimed to be the Lightest Running, Swiftest Cutting and Easiest in Work of any Mower in the World.

A good word from the most famous of them all: The Royal and Ancient Golf Club, St. Andrews, Scotland. The New 17-in. Ball-Bearing Close-Cutting Golf Mower supplied this year, I consider one of the Cleanest Cutting, sweetest running machines on the market. I used it on our Greens during the Amateur Championship with satisfactory results.—Hugh Hamilton, Green Keeper, June 1, 1911.

These Machines are used on the Golf Links of His Majesty the King, and by a large number of the Principal Golf Clubs, as well as in many of the most important Gardens of the United Kingdom.

This machine, both low and high wheel pattern, can be adjusted to cut 3-16 of an inch, practically shaving the lawn, and is especially adapted for Golf Link, Tennis Courts and fine lawns. Has a double train of gears.

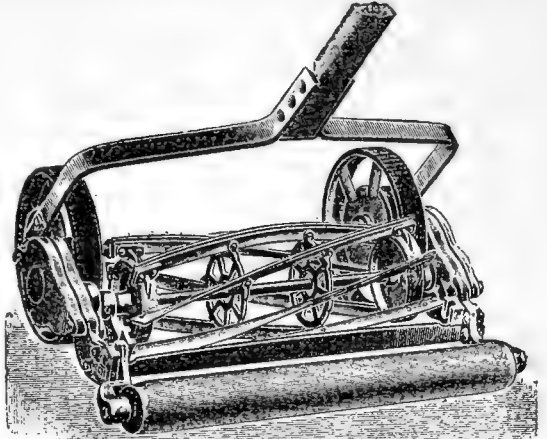
This illustration shows the Mower fitted with a narrow, smooth, Solid Iron Roller following behind the Machine and 4 inches wider than the Cutting Cylinder. Intended especially for Bowling Greens and Putting Greens, to act as a turf smoothing iron, and where the use of a heavy roller is not needed or advisable.

The Iron Roller is also a very valuable attachment for use on soft spongy, mossy or uneven lawns, and does not appreciably add to the labour of driving the machine.

The "FIELD" says:—"We strongly recommend the "PENNSYLVANIA."

## PRICE HIGH WHEEL PATTERN

17 inch.....\$43.00 19 inch.....\$47.00 21 inch.....\$52.00.



## COLDWELL'S IMPROVED HORSE LAWN MOWER.

It has side draft attachment to enable the horse to walk on the cut grass only. We secure evenness of cut by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement; the same lever serves the purpose of raising the knives from the ground when driving over gravel walks or roads.

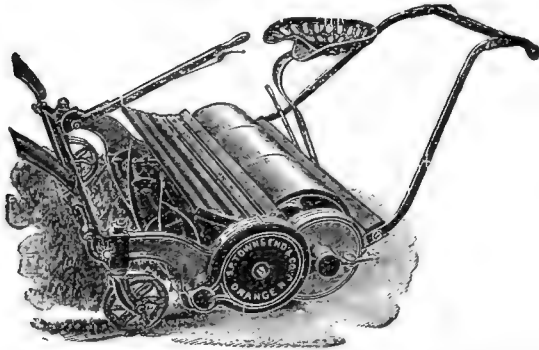
### 4 BLADES

30 in. \$200.00, 35 in. \$225.00  
40 in. \$265.00

### 6 BLADES

30 in. \$220.00, 35 in. \$250.00  
40 in. \$30.00

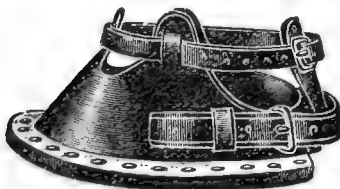
## TOWNSEND'S KING OF HORSE LAWN MOWERS



Townsend's King of Horse Lawn Mowers is acknowledged to be the best horse machine made. Its special features are: Triple rolls with triple pawls in each roll, making the most powerful and instantaneous driving mechanism ever put in a lawn mower. This feature maintains the motion of the blades even in turning sharp corners. A lever beside the driver enables him to cut any height from the ground and to easily and quickly raise the blades over stones or other obstructions without stopping the horse or leaving the seat. Large rolls 15 in. in diameter insure great power and ease of movement.

Price: 30 in. cut, \$200.00; 35-in. cut, \$215.00; 38-in. cut, \$225.00.

## HORSE LAWN BOOTS



These Boots have been improved from year to year until we believe they are perfect. The sole is hardened, filled with steel rivets and made water proof. The construction is entirely with rivets.—No stitching whatever. Per Set, \$20.00.

It is fastened to the horse's foot, not to the ankle, giving free action and no chafing.

## THE GREAT AMERICAN SELF-SHARPENING BALL-BEARING LAWN MOWER

The first successful Ball-Bearing Mower. The largest sale of any. The most imitated and best all-around Mower of its class in the world. The five cylinder blades are crucible steel, oil-tempered and hardened, crucible steel dead knife, with self-sharpening raised edge feature, perfectly fitting ball cups and cones, insuring an easy running Mower, and every detail of construction has been carefully carried out.

Price: 15 in., \$30.00; 17 in., \$32.00; 19 in., \$37.00; 21 in., \$40.00.

All blades in these Mowers are Crucible Tool Steel, hardened and tempered in oil.

## WE SUPPLY ALL LEADING LAWN MOWERS, INCLUDING THE FOLLOWING:

### THE WOODYATT LAWN MOWER.

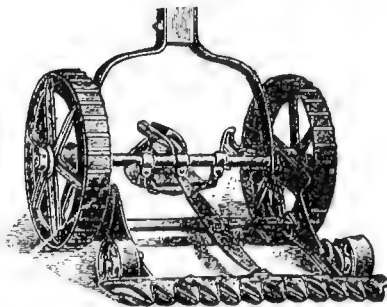
12 inch cut.....	\$14.00	18 inch cut.....	\$17.00
14 inch cut.....	15.00	20 inch cut.....	18.00
16 inch cut.....	16.00		

### THE GARLAND, BALL-BEARING.

Open driving wheels, 10 inches in diameter. Four-blade cutting reel, 6 inches in diameter. Highest grade ball bearings, accurately made, thoroughly hardened. All adjusting screws are in plain sight. Micrometer tested, polished balls, protected by dust-proof cap. Machine screw adjustment of cutter bar.

Made in three sizes: 14-in., \$18.50; 16-in., \$19.50, and 18-in., \$20.50.

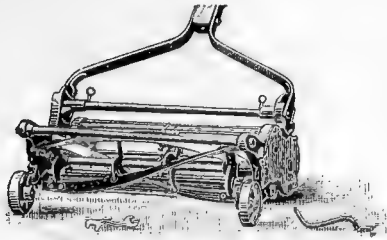
## THE CLIPPER MOWER



The Mower that will kill all the weeds in your lawns. If you keep all the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass becomes thick and weeds disappear. The Clipper will do it.

Price List Net.  
No. 1-12-inch \$12.50  
No. 2-15-inch 13.60  
No. 3-18-inch 14.50  
No. 4-21-inch 15.50

# EVERYTHING FOR THE GARDEN, FARM AND LAWN



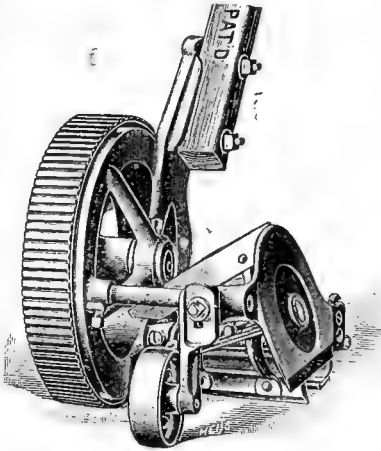
## BORDER AND TERRACE MOWER

Especially designed to cut grass on borders, terraces, mounds, and all uneven surfaces. It has a steel open roller; 4 blades, very light running, and will give thorough satisfaction.

12 inch.....	\$23.75
14 inch.....	27.50
16 inch.....	30.00
18 inch.....	33.75

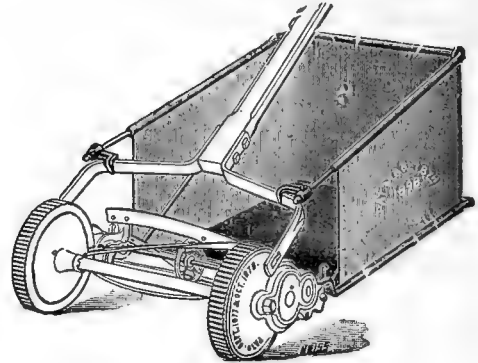
## The NEW UNDER CUT LAWN TRIMMER

The latest and best machine for trimming grass close up to the fence or wall, thus reducing hand work with shears to a minimum. It will also be found handy for trimming up around trees, under bushes, etc. It cuts 6 inches in width. This Lawn Trimmer is a high-grade machine in every respect with self-adjusting ball bearings. Price, \$11.00 and \$14.00.



## GREAT AMERICAN GRASS CATCHERS

It Saves Raking



For the great American and Pennsylvania Mowers.

Canvas sides, galvanized bottom that will not sag. Supported by truss rods not attached to handle. Instantly detached or can be emptied by dumping forward.

Sizes to correspond to size of mower. 15-in. or 16-in., \$5.50; 17-in. or 18-in., \$5.75; 19-in., \$6.00; 21-in., \$6.25.

## GRASS CATCHERS "BOOMER" Adjustable

Gathers grass without the use of a rake, and without time or labor. Made of bright striped canvas on a galvanized frame. They are adjustable in height and width, to fit all size and makes of mowers. Each, 14 to 18-inch, \$2.50. 20-inch, \$3.25.

# The Dunham Water Weight Lawn Rollers

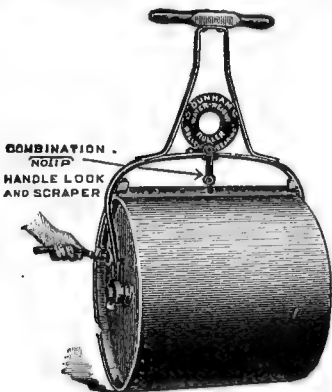
**Roller Bearing**, can be filled, without turning on end, with either water or sand. Patented. Suitable for lawns, tennis courts and putting greens.

The advantage of a roller, the weight of which can be increased or lightened at pleasure, can scarcely be over-estimated. Often, on light or sandy soil, or on newly-made lawns, or in early spring when the ground is moist, or after a rainy spell, a lighter-weight roller is a necessity; then on thick sward or on hard soil, on walks and roads, a heavy roller is needed. With a **Water Weight**

**Roller** one can secure any weight desired, between minimum and maximum.

These are perfect rollers, and do perfect work on lawns, tennis courts, golf grounds, roads, walks, etc. They will be found practically noiseless and very durable. The rolling surfaces are smooth and will not gather grass or soil; the sections fit closely, leaving no mark, and the diameters are large, insuring a lighter draft for a given weight than is usual.

The outer edges are rounded and will not cut up the lawn or tennis court. The longitudinal seam is welded from the inside, so that the seam across the face of the roller is as smooth as any part of the face itself.



COMBINATION "NO-TIP" HANDLE LOCK AND SCRAPER

### STYLE WB—WITH "NO-TIP" ATTACHMENT.

No.	Diameter Inches	Length Inches	Sections	Weight Empty	Filled with Water	Price
WB 5.....	18	24	1	80	310	15.00
WB 7.....	24	24	1	115	500	20.00

The WB style costs less than the HW and accomplishes the desired results. We recommend WB 5 and WB 7 as the standard sizes for the average lawn.

With conditions as they are to-day, the prices on above goods are subject to change without notice.



**PENNSYLVANIA LAWN CLEANER AND RAKE**

This machine will remove from the lawn, not only the cut grass, but all sorts of litter, leaves and trash, leaving the grass standing upright and free from foreign matter that prevents the sunlight and dew from getting to the roots. The action of the three revolving 24-inch wire tooth rakes is beneficial to the turf, for it raises up the low growing crab grass and other spreading weeds, allowing the lawn mower to cut the seed pods off before they ripen, thus preventing their reappearing the following year. This machine is easy to operate, and with it **one boy will do more and better work than four men with hand rakes.** Most perfect device of its kind on the market.

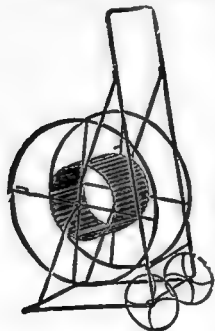


Price, 24 inches wide..... \$47.00  
 Price, 36 inches wide..... 66.00

Guaranteed satisfactory or money refunded.

**ALL STEEL HOSE REEL**

Made of steel rods electrically welded into three solid parts: the wheels and drum, the handle and the corrugated drum covering. No automatic get-out-of-order contrivance. Simple though satisfactory. Each, \$3.50 and \$4.50.



**THREE-ARM LAWN SPRINKLER**

This fills the want for a low-priced arm Sprinkler; it is compactly and strongly made with phosphor-bronze bearing, and will cover a space 48 feet in diameter with suitable pressure of water. The arms are brass, stand and legs of iron handsomely japanned. The water flows freely through an unobstructed channel, so there is no clogging—it stands 12 inches high. (See cut). Price, \$3.00 to \$5.00 each.

**THE RING LAWN SPRINKLER**

The simplest lawn sprinkler made—no revolving parts to wear and get out of order or leak. Easily moved about the lawn—made of polished brass—light, durable and economical. Price, \$1.75.



**THE GEM NOZZLE**

A high grade nozzle, thoroughly well made and finished. With shut-off and will throw a solid stream or spray. Quick and positive action. Each, \$1.25.



**HOSE COUPLER**

Price, 35 cts. per set.



**COOPER HOSE MENDER**

Brass; will not rust or wear, scarcely decreases the flow. No fastening required; barbs hold hose firm. Price, each, 20 cts.; doz., \$1.75.



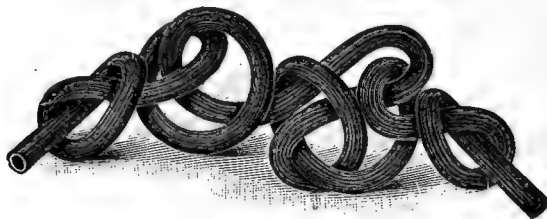
**HOSE CLAMP**

For fastening couplings and menders in hose.

Each, 15 cts.; per doz., \$1.00.



**MULTI-PED RUBBER HOSE**



The Hose that doesn't Kink.

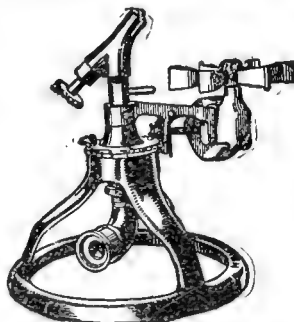
Best hose, finest quality of rubber. Will not kink, and will last for years. We can supply any length, and will fit with "snap" hose couplings if advised when ordering.

¼ inch, per foot, 33 cts. ½ inch, per foot, 25 cts.

Special price on large quantities.

Furnished in any length. Ordinary quality, market price.

**DAYTON ROTARY AND OSCILLATING SPRINKLER**



The most practical, durable, efficient machine ever devised for sprinkling lawns, parks, or irrigating truck gardens. It must be seen in action to be appreciated. Saves time, labor, hose wear. It is nearest approach to natural rain. All the parts of this irrigating machine are made of brass and aluminum (non-rusting or corroding metals).

A tiny jet of water against an aluminum water-wheel revolves the wheel at high velocity, and through a worm gear (which runs in oil) and a pinion traveling over a toothed plate, carries

the irrigating nozzle in a complete circle or oscillates like an electric fan making a half circle.

The nozzle used is adjustable for distance of spray and enables an equal distribution of water over any desired area.

Its durability.—The Dayton is closely and substantially made. They are made to gain and maintain a place on every well-kept lawn.

Its simplicity.—It is by far the cheapest, simplest of all overhead irrigating systems. It is simplicity itself.

Appearance.—The Dayton is neat and pleasing of appearance, and besides being the best method of sprinkling and cooling off the hot summer evenings, it adds much to the beauty and attractiveness of the lawn.

Every Dayton is guaranteed to give perfect satisfaction. All machines are thoroughly tested and closely inspected before leaving factory.

**A FEW FACTS REGARDING TRUCK GARDEN INSTALLATION OF DAYTON ROTARY SPRINKLERS.**

Fourteen machines may be operated from a 1½-inch main, with water at 40 pounds pressure. A 2-inch pipe will carry 20 machines at 40 pounds pressure.

Machines should be placed 50 feet apart, 17 machines being required to the acre.

It is desirable to lay the pipe mains under the ground, just below plow depth, with ½ inch riser pipes. With such an installation the entire tract can be farmed. Each riser should have a shut-off valve, and a valve should be provided for each line. In this way any part or portion of a tract can be irrigated independently of the whole.

The water consumption of a Dayton Sprinkler, normally adjusted and operating at 40 pounds pressure, approximates 1½ gallons per minute.

Dayton Lawn Sprinklers are fitted with ¼-inch or ½-inch hose connections, as may be desired. Price, \$8.00.

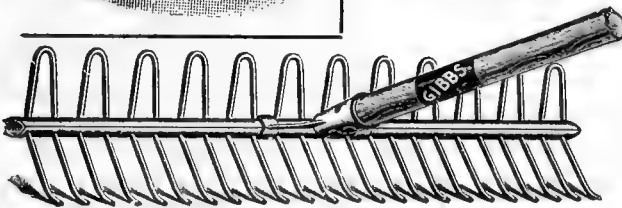
EVERYTHING FOR THE GARDEN, FARM AND LAWN



LAWN VASES

For Parks, Lawns and Cemetery use—the best Cement Vase made. 30 in. in height, 22 in. diameter. Price, \$10.00.

GIBBS' REVERSIBLE STEEL LAWN RAKE



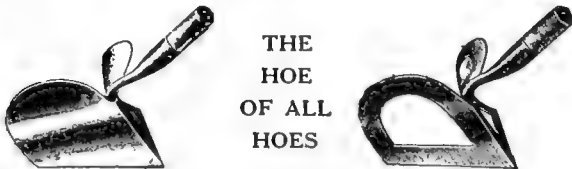
Heavily tinned steel teeth. The arched teeth for leaves and litter, and the opposite side for fine cut grass. Twenty-four teeth closely set in a 21-inch head. Price, \$1.75 each. Note the bend of the teeth—makes raking easy, does better work, and won't tear up the sod—one of the special features of the "Gibbs' Rake."

THE NEW DAISY LAWN RAKE  
Latest Improved Rake for cleaning lawns



It is the only Rake made that will remove dandelion heads, or any other weeds of like nature, and by preventing them from maturing and reseeding, will in a season or two completely eradicate them from the lawn. This no other Rake will do. The blade is made of the finest quality of steel and is light and durable. A trial is the most convincing proof of its merits. Each, \$2.50.

HANDY GARDEN HOE



THE HOE OF ALL HOES

Does ALL other hoes will do AND MORE. It Hoes, Plows, Lists, Pulverizes. Covers and Cultivates. Price Each \$1.00.

SOD LIFTERS



Solid Steel Cutting Blades, 10x7 inches with handles. Each, \$6.50.



FLOWER URN

30 inches diameter (from outside of brackets). Earth Pot 15 1/4 inches diameter. Suitable for Lawns, Cemeteries, Public Gardens, Parks, etc. Price, \$50.00 per pair.

CLEVELAND LAWN WEEDER



No more broken backs! This little Device gets at the root of the evil, and removes it bodily. The curved edge of the blade enters and loosens the soil, pressure on the lever then causes toothed jaw to grasp the plant, and a light pull suffices to dislodge it without disturbing the surrounding sod. Each \$1.50.

THISTLE OR WEED CUTTER

Handle is 5 feet long.



Tempered and polished steel blade, solid shank. Each, \$1.00

LAWN WEEDER

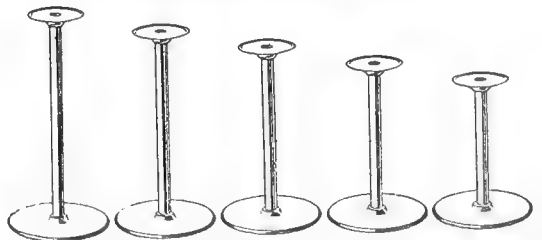


No. 3. A "fishtail" style 10-inch blade, drop forged, well ground, enameled shank, securely fastened to wood handle. Although especially designed for cutting out weeds on the lawn, or for any weeding or stirring of the ground. It can be used effectively for cutting Asparagus. Each, 90 cts.



No. 1. For those who want the flat kind. Each, 90 cts.

FANCY PLANT STAND



Made of solid iron painted green. The best stand made for greenhouse and window decorations.

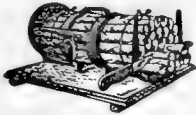
15 inches high	Each \$1.25
18 inches high	1.50
24 inches high	1.75
30 inches high	2.00
36 inches high	2.25

DREERS' PLANT STANDS

Height	Each
16 inches	\$1.50
18 inches	1.60

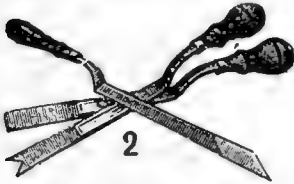
With conditions as they are to-day, the prices on above goods are subject to change without notice.

**ASPARAGUS BUNCHERS**



Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$3.50.

**ASPARAGUS KNIVES**



Each, 75 cts. to \$1.00.

**ENGLISH BILL HOOKS**



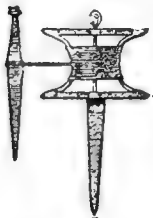
For trimming heavy shrubbery, trees, etc.  
Short Handle..... \$3.00

**ENGLISH WEEDING FORK**



If you want a weeding fork that will last a life-time, buy this one. Price, 75 cts.  
4 Prongs Longer Handle Weeding Fork, \$1.00.

**GARDEN LINE, REEL and STAKE**



Malleable Iron. Each \$2.00.  
Garden Lines 30 yds. \$1.75; 60 yards \$2.50.



Gloves, Men's; Drummond's. \$1.50 to \$2.50.  
Gloves, Ladies' with gauntlets. \$1.50 to \$2.50.

**GRASS HOOKS**

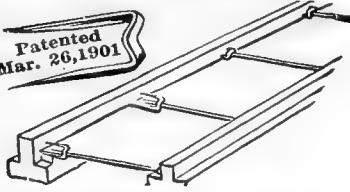


Fox imported. Price, \$1.00.

**GLAZING POINTS**

"PEERLESS" GLAZING POINT, (Improved Van Reyper.)

Patented Mar. 26, 1901



Peerless (The Improved Van Reyper), made in three sizes. Per 1000. \$1.25.



**MASTICA MACHINE**

For distributing mastic, &c Made of zinc and will last a life-time \$4.50

**MASTICA**

For glazing greenhouses, new or old. One gallon will cover about 300 running feet

1 gallon..... \$3.50

**DIBBLES**



For Transplanting Iron Point, wooden handle. \$1.00.

**BOSTON ROSE SPRAY**



Brass, for 3/4 inch hose. Useful for watering lawns, gardens, hot beds and greenhouses, can be had with coarse or fine spray. \$2.00 each.

**HOES**

Steel Triangle each. \$1.25.



**DUTCH HOES**



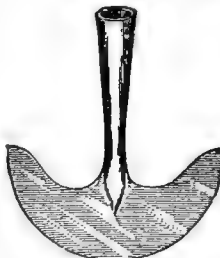
Made of best English steel.  
4-inch..... \$0.60  
5-inch..... .65  
6-inch..... .85  
7-inch..... 1.00  
8-inch..... 1.25

**HOES**

Weeding with 4 tooth Rake. Long Handle. 85 cts. each.



**KNIVES EDGING Crescent**



Pattern Sheffield make. For trimming Edges of Paths. \$1.75 and \$2.00 each.

**PAINTED POT LABELS**



4 inch.....	100	1000
4 1/2 ".....	\$0.30	\$2.00
5 ".....	.35	2.25
6 ".....	.40	2.50
8 ".....	.45	2.75
10 ".....	.50	3.00
12 ".....	.80	7.50
	.90	8.50

Labels Tree.—Wired, 3 1/2 in., per 100, 45 cts.; per 1000, \$4.00.

Labels Chandler Indestructible Copper, for plants and trees, per 30, 50 cts.; 50, 75 cts.; 250, \$3.00.

Labels Zinc. Per 100, \$1.00. Ink Indelible.—For marking on zinc labels. 40 cts. per bottle.

Pencil.—Wolf's Garden. Indelible 30 cts. each.



**RAFFIA**

For tying. Extra quality, all faulty and defective extracted. 60 cts. per pound. Coloured per lb., \$1.25. Tar Twine. Medium, 40 cts. per ball. Thin, 50 cts. per ball.

**SCYTHES**

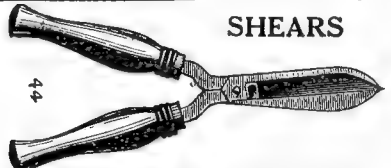


Best English Lawn, \$3.50; Best Canadian, \$1.25 to \$1.75.



**SCISSORS**

Scissors Florists Wire. 80 cts. each  
Scissors Grape Thinning. 6 inches, \$1.50; 7 inches, \$1.75; 8 inches, \$2.00.  
Scissors Flower Gatherers. 6 inches, \$1.00; 7 inches, \$1.25; 8 inches, \$1.50.



**SHEARS**

Short handles, \$2.50 to \$3.00 each; Long handles, flat blades. \$2.50 to \$3.00. Used for both trimming hedges and cutting grass. English manufacture.

**"TROWEL" SHANK GRASS SHEARS**



Solid steel, of finest quality and temper; 7-inch blades. The raised, trowel-like handles keep the knuckles off the ground and allow smoother cutting. Bent shank, \$1.50. Trowel shank, \$1.75.

**GREEN SILKALINE**



For stringing Smilax and Asparagus, etc. Per spool, 75 cts.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

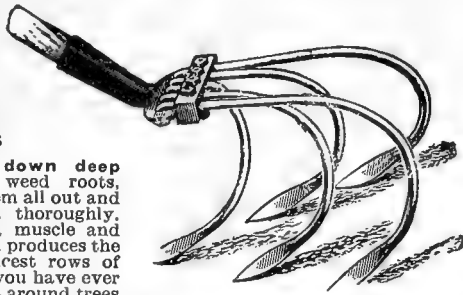
# EVERYTHING FOR THE GARDEN, FARM AND LAWN

## THE "BUCO HAND CULTIVATOR"

**Kills Weeds,**

**Grows Vegetables**

It gets down deep after the weed roots, cleanses them all out and loosens soil thoroughly. Saves time, muscle and temper, and produces the cleanest, nicest rows of vegetables you have ever seen. Great around trees and shrubs. Price, \$2.50 each.



### "CUMA" HAND CULTIVATOR.

A miniature "Buco," designed more particularly for ladies, use in the garden. Neatly and strongly made. Price, 60 cts. **Caxton Weeder.**—3 prongs, long handle. Price, \$1.50.

## SOLID FORGED DRAW-DIAMOND HOE



This tool combines the ordinary draw hoe and a diamond-shaped hoe, which will penetrate where the draw hoe cannot with safety be used. Price, each, \$2.00.

**Forks, Digging (F) Ladies or Border**, best English make, solid steel. Each, \$2.25.



**Spades, Ladies or Border (B)**, best English make, solid steel. Each, \$2.25

**Shovels, square or round mouth**, \$2.00 each.



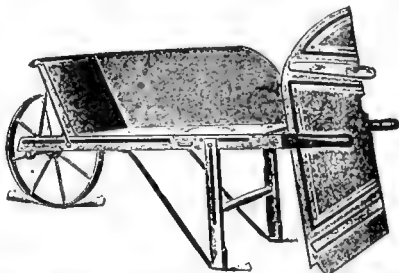
**Spades for boys and ladies**, \$1.50.

**Spades.**—Best Canadian and English make. Each, \$1.75 to \$4.00

## WHEEL BARROWS

Removable sides. Goes through the garden gate. Nicely painted and varnished Steel wheel. Strongly braced. Knock down flat for shipment.

Weight, 60 lbs. Price, \$10.00 to \$12.00.



## STEEL GARDEN RAKES

Made of best cast steel, with long teeth for penetrating the ground.



**Straight Tooth.**  
10 inch ..... \$1.25  
12 " ..... 1.40  
14 " ..... 1.50  
16 " ..... 1.60

**Bent Tooth.**  
10 inch ..... \$1.30  
12 " ..... 1.50  
14 " ..... 1.60  
16 " ..... 1.75



**Weeders Daisy Grubbers**, \$1.25 each.

## SOLID FORGED FORK-END HOE



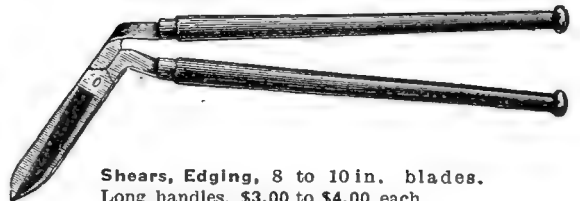
Soil can be hoed and broken up with this tool at the same time if necessary. \$2.00 each.



**Forks, Digging.**—English, \$2.50 to \$3.50 each. **Forks, Digging.**—Canadian, \$1.75 to \$2.00 each. **Garden Tools**, in sets, \$1.50 to \$2.00.



**Scoop, Vegetable.**—The best shovel for handling potatoes, apples, etc. Will not cut; dirt sifts out. Light weight, \$3.25.



**Shears, Edging**, 8 to 10 in. blades. Long handles. \$3.00 to \$4.00 each.



**Trowels**, best English make, one piece and polished steel. Each, \$1.00.

**Angle Trowel**, for getting dandelion, plantain and other weeds out of the lawn; etc. 50 cts. to 75 cts.



**Weeders Spuds.**—50 cts. to 75 cts. each.



**Weeders, Combination.**—50 cts. each.



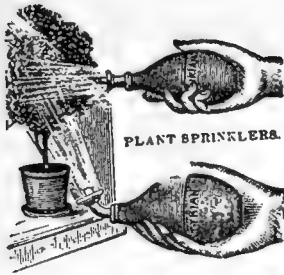
**Weeders, Excelsior.**—25 cts. each.



**Weeders, Hazeltine.**—Best cast steel. A handy tool for weeding between beets, carrots, and all small vegetables and flowers. Made of 1-inch wide spring steel. 50 cts. each.

With conditions as they are to-day, the prices on above goods are subject to change without notice.





PLANT SPRINKLERS.

**AUTOMIZERS**

**Plant Sprinklers**

Scollay's Rubber Sprayer, \$1.75 and \$1.50.

**PUTTY BULBS**

For distributing putty mastica, etc.

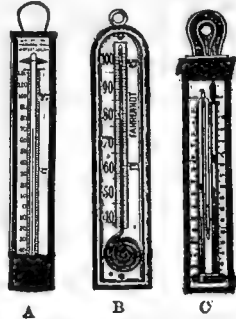
Price, \$1.75.

**MOLE TRAPS**

French make, 60 cts. each. Olmsted, \$2.50 each.

How to catch moles.

—Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.

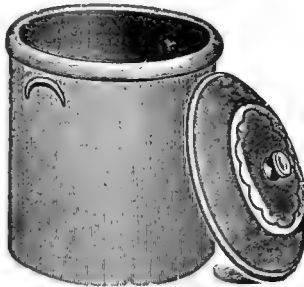


**THERMOMETER**

Thermometer, Japanned, each, \$1.50.  
Thermometer, Standard Cabinet, 10 in., \$1.25 to \$2.00.  
Minimum and Maximum Registering Thermometer, \$9.00.  
Dairy Thermometer, \$1.50.



Thermometer Hot-Bed, \$2.75 each.



**BUTTER JARS**

With Covers.

1 gallon	\$1.00
2 "	1.25
3 "	1.65
4 "	2.00
5 "	2.50
6 "	3.50
8 "	3.75
10 "	4.50

**GARDEN STAKES**

Stakes, Square, Green Painted, Tapering.  
4 ft., 5 ft., 6 ft. Price on Application.

**BAMBOO STAKES**

3 ft. Price on Application.  
4 ft., fine, heavy and medium. Price on Application.  
7 ft. Price on Application.

Painted Green.

1 1/2 ft., 2 ft., 3 ft. Price on Application.

**Galvanized Wire Stakes.**

Ft.	Doz.	100
2	\$0.15	\$1.00
3	.20	1.25
4	.25	1.75



**BUTTER CHURNS**

Stoneware Churn With Covers

Dashers included, cheaper and more sanitary than wooden Churns.

2 gallon size,	\$1.75
3 " "	2.00
4 " "	2.50
5 " "	3.00



PEAT.—Improved Wimbledon, Per sack, \$7.50.

PEAT.—Orchid. Special quality. Per sack, \$8.00.



**JONES' POT BRACKET**

No. 1—Holds 5-inch pot. Each, 75 cts.; doz., \$7.50.  
No. 2—Holds 6-inch pot. Each, 85 cts.; doz., \$8.50.  
No. 3—Holds 7-inch pot. Each, 95 cts.; doz., \$9.50.



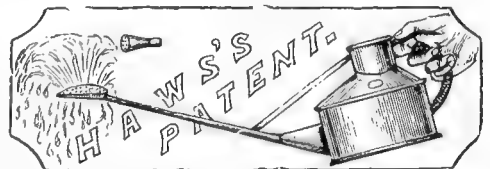
**SYRINGES**

SYRINGE, THE "FOUR OAKS" PATENT UNDENTABLE SYRINGE.

"Four Oaks" Undentable Syringe, the Gardener's Ideal Syringe, complete with Jet, also fine and coarse roses.  
1 1/2 x 20 inches, each, \$13.00  
1 1/2 x 18 inches, each, 12.00  
Syringe "Abol."—Spraying, fitted with Purser's Patent drip preventer. 1 x 20 inches, each, \$7.00.  
Syringe.—Heavy brass, 18 inches, \$4.50; Special, 18 inches—brass heavy, \$5.50.

**HAW'S IMPROVED WATERING CANS**

Ladies' Can, one, Pot Rose 1 quart, \$2.50  
Ladies' Can, one Pot Rose, 2 quarts, \$3.00



Shelf Can, 9 in. spout, 1 Rose and extra joint, 2 quarts, \$3.50  
Shelf Can, 9 in. spout, 2 Roses and extra joint, 3 quarts, \$4.50

These are the same style as shown in illustration, and are very serviceable for watering fine seeds as well for all Greenhouse and Garden work.

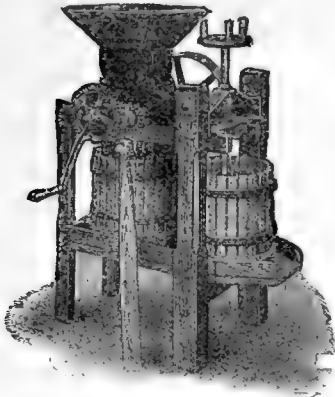
No. 2, with 2 Roses, 4 quarts	\$7.00
No. 3, with 2 Roses, Iron bound, 6 quarts	8.00
No. 4, with 2 Roses, Iron bound, 8 quarts	8.75
No. 5, with 1 Rose, 1 Spreader, 10 quarts	9.50
No. 6, with 1 Rose, 1 Spreader, 12 quarts	10.50

Watering Cans (Ordinary) from 75 cts. to \$4.50.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

**JUNIOR CIDER PRESS**

**A Medium Size Press suitable for General Family Use**



The Junior has a capacity of four barrels of cider per day. This is the most popular size and style press and has no superior at any price, in design, ease of operation or appearance.

The frame is made of selected maple and finished in natural wood colors. Nicely striped and varnished. The press screw is made of cold-rolled steel, with accurately cut threads, and operates through a heavy cross-head made of semi-steel. Threads will not strip. All metal parts are painted battleship gray and trimmed with gold. **Price on application.**

We manufacture a size press called the Medium. This is the same as the Junior in design, but is larger, weighing 235 pounds and having a capacity of six barrels of cider per day. **Price on application.**

**SENIOR CIDER PRESS**

The Senior is of the same general design as the Junior and Medium, but is larger and is operated by power, or by two cranks.

It has a large pulley which will take a three inch belt.

The gearing and bearings are like those of the smaller mills, the rollers being longer.

The press screw in the Senior is of two inch cold rolled shafting, and has threads accurately cut in an engine

lathe.

The tubs of our mills are made with maple slats, Machine riveted to the inside of heavy iron hoops. The rivet heads, which are flat, are inside, and do not interfere with the action of the follow board.

The tubs are very large, being fourteen inches high and seventeen inches in diameter.

The Senior has a capacity of twelve barrels of cider per day. Weight 345 pounds. **Price on application.**

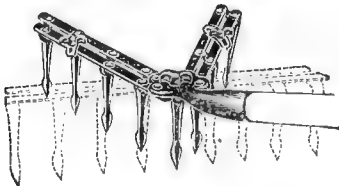
**CIDER AND WINE PRESS**

These new style presses are much stronger and more durable than those usually sold.

Size Tub, No. Inches	Price on application.	No.	Size Tub, Inches	Price on application.	No.	Size Tub, Inches	Price on application.
1 10 x 12		2	12 x 14		3	17 x 22	

Booklet on History of Cider and Cider Making, Free.

**PULL EASY ADJUSTABLE GARDEN TOOLS**



Everyone who has worked in a garden will see at a glance the advantages of the "Pull-Easy" over any other kind of a garden tool. When the arms are spread out to full width of 18 inches, the cultivator is like a rake.

For narrower rows, the outer ends of the arms can be closed to any width down to 7 inches. Price, \$2.00.

**BERRY BOXES**

Price per doz . . . . .	\$0.35
Price per 100 . . . . .	2.00
Price per 1,000 . . . . .	15.00

Other sizes and styles quoted on application.

**HOTBED MATS**



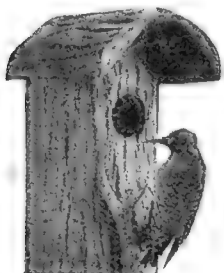
For protecting coldframes and hotbeds. Warmly lined with waste wool and cotton, which are quilted in to hold position.

No. 1, 40 x 76 in. Cloth on both sides. Each, \$4.00; per doz., \$36.00.

**BIRCH BROOMS**



Without handles, each 15 cts.; 6 for 60 cts.; 12 for \$1.00.



**RUSTIC BIRD HOUSES**

For Woodpeckers,  
Blue Birds, Robins,  
Wrens, etc.  
From \$2.00 up.

# FLOWER POTS

We pack carefully, so can make no allowance for breakage. Packing charged extra for shipping out of city.



Standard Pot



3/4 Pot



Hanging Basket



Fern Pot



1/2 Pot

## STANDARD POTS

## STANDARD SAUCERS

To Florists and those buying in large quantities we shall be pleased to give special quotations.

	Per 100	Per doz.
1 3/4 in. ....	\$1.25	\$0.20
2 in. ....	1.35	.20
2 1/2 in. ....	1.50	.25
3 in. ....	1.90	.30
3 1/2 in. ....	2.50	.35
4 in. ....	3.00	.50
4 1/2 in. ....	3.75	.60
5 in. ....	4.25	.65
6 in. ....	6.50	1.00
7 in. ....	10.00	1.50
8 in. ....	15.00	2.25
9 in. ....	22.00	3.50
10 in. ....	40 cts. each	
12 in. ....	1.25 cts. each	
14 in. ....	1.60 cts. each	

	Per doz
4 in. ....	\$0.30
5 in. ....	.40
6 in. ....	.60
7 in. ....	.80
8 in. ....	1.25
9 in. ....	1.65
10 in. ....	2.00
12 in., 50c. each	
14 in., 75c. each	

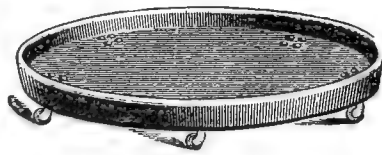
	Inch 6	Inch 7	Inch 8
<b>HALF POTS FOR FERNS.</b>			
Per dozen .....	.90	\$1.25	\$2.00
12 in., 60 cts. each; 14 in., 85 cts. each.			

	6	7	8
<b>THREE-QUARTER AZALEA POTS.</b>			
Per dozen .....	1.00	\$1.50	\$2.25

	5	6	7	8
<b>STRAIGHT FERN PANS</b>				
(Without rim) .....	1.00	1.25	\$1.75	\$2.00
Per dozen .....				

**WOOD FIBRE ROLLING STAND for HEAVY PLANTS**

	Each
12 in for 10 in. Pot. ....	\$1.75
14 in for 12 in. " .....	2 25
16 in for 14 in. " .....	2 75
18 in for 16 in. " .....	3 25
20 in for 18 in. " .....	3 75
22 in for 20 in. " .....	4 50



## WOOD FIBRE SAUCERS

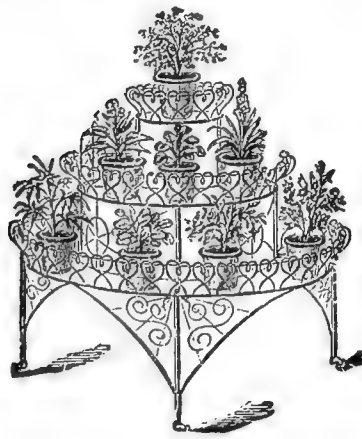
Each	Each
5 in., 60 cts.	10 in., 1.00
6 in., 65 cts.	12 in., 1.25
7 in., 70 cts.	14 in., 1.50
8 in., 75 cts.	16 in., 2.00
9 in., 85 cts.	18 in., 2.25

## FIBRE PLANT PADS

These are made of strong fibreware, about 6 inches in diameter and three-quarters of an inch thick, with varnish finish. They are fine for putting under potted plants, which can then be placed on a polished table, as they are non-porous. They may also be used as coffee or tea-pot pads; the heat will not penetrate to your table. 15 cts. each; \$1.50 doz.

## VASES

Clara Cemetery.—Glass, 12 in., sharp-pointed, 50cts.



## FLOWERS STANDS

All our Flower Pot Stands are mounted on Porcelain Castors, finished in green and gold bronze.

30 in. in diameter. \$ 8.50  
 36 in. in diameter. 10.00  
 42 in. in diameter. 12.00

## NEPONSET WATERPROOF PAPER FLOWER POTS

Waterproof, unbreakable, handsome, cheap.  
 May be used over and over again, for transplanting, shipping potted plants, etc.

	Per doz.	Per 100	4 in. ....	Per doz.	Per 100
2 1/2 in. ....	\$0.25	\$1.50	5 " ....	\$ .40	\$2.25
3 " " .....	.35	1.75		.55	3.00

## PLANT TUBS

Made from the everlasting Cypress. They are strong, light and thoroughly serviceable.

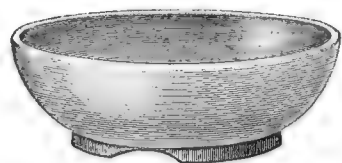


## INSIDE MEASUREMENTS

No.	Top	Bottom	Depth	Price
1	13 1/2 in.	11 1/2 in.	12 in.	\$2.50
2	14 1/2 in.	12 1/2 in.	14 in.	3.00
3	16 in.	13 1/2 in.	16 in.	3.50
4	19 in.	16 in.	18 in.	4.00

Larger size quoted on application

## PIGEON NESTS



Vermin-proof base. Accepted shape.

8 1/2 in. x 2 3/4 in. inside. ....	Each, 30cts.
9 1/2 in. x 2 3/4 in. " .....	" 40 cts.

# FERTILIZERS



**Bon Arbor.**—Used and endorsed by the leading authorities. Awarded Diploma and Silver Medal at the Royal International Horticultural Exhibition, London, England. Price,  $\frac{1}{2}$  lb., 30 cts.; 1 lb., 50 cts.; 5 lbs., \$2.25; 10 lbs., \$4.00.

A pamphlet giving in detail all the merits of this wonderful Fertilizer and explicit directions for use will be mailed to any applicant.

## Totty's Chrysanthemum Fertilizer

The analysis is as follows:  
Total Nitrogen, 16 to 18. Equal to Ammonia, 20 to 21, Ammonia, 16 to 17. Soluble Phosphoric Acid, P<sub>2</sub>O<sub>5</sub>, 6 to 7, Potash, K<sub>2</sub>O, 4 to 5.

This fertilizer is absolutely safe when dissolved in water in the proportion of one pound to 50 gallons of water. It may be used in conjunction with natural fertilizers, but, in itself, it furnishes a complete plant food for, not only Chrysanthemums, but any other plant, such as Roses, that are well rooted and will stand the feeding.

Plants may be watered with this fertilizer once a week in the proportion given, and the results will amply testify to its value. Price,  $\frac{1}{2}$  lb., 30 cts.; 1 lb., 50 cts.; 5 lbs., \$2.25; 10 lbs., \$4.00.

**Canary Guano.** Unsurpassed for its excellent results. Provides all the nutriment required by plants. 1 lb., 25 cts.; 5 lbs. 80 cts.; 10 lbs. \$1.80; 25 lbs. \$4.00.

**Clay's Fertilizer.**—Highly recommended by the leading horticulturists in the cultivation of fruits, flowers and vegetables for exhibition. Most productive and economical fertilizer for all horticultural purposes. Lb., 30 cts.; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50.

**Cotton Seed Meal.**—Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs. 40 cts.; 10 lbs., 70 cts.; 25 lbs. \$1.25; 100 lbs. \$4.50.

**Sweet Pea Manure, Mackereth's Special.**—A liberal use of this fertilizer prolongs the flowering season and saves the grower the trouble of removing the pods which do not develop. When this food is regularly supplied the plants will continue to bloom until frost destroys them. 1 lb. 30 cts.; 5 lbs. \$1.25. The first dressing should be given when the Peas are about half grown, a second dressing being given just as the flower buds begin to show color, with occasional further applications throughout the flowering season. About 3 ozs. to each clump, where so grown, or 2 ozs. to the yard where grown in rows. The ground should be watered both before and after application. Care should be taken not to place the manure too close to the haulm or bine.

**"Natural Guano" Pulverized Sheep Manure**  
Best natural plant food pure and unadulterated, unexcelled for lawns, vegetables and flowers. The crude manure is taken from covered barns, where sheep are fed for the market, and is therefore much richer than manures exposed to the weather. Price for 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25. Larger quantities quoted on application.

## FARMOGERM

Inoculate your seed with Farmogerm. We keep in stock pure vigorous cultures for Alfalfa Peas, Clovers, Vetches, Beans and all other Legumes.

Farmogerm will increase the yield and quality of legume crops, giving quick growth and earlier maturity. Increase the food value of legumes.

Make legumes grow in now localities, where they cannot otherwise be grown successfully.

Supply nitrate to other crops growing with the inoculated legume crop.

Enrich the soil for future crops, thereby increasing the permanent value of the farm; better crop—better soil—less fertilizer—less labor.

Be sure and write for our Farmogerm leaflet giving full information with prices.

**Bone Flower for Quick Action.**—Effective as a top-dressing and for mixing in soil. 5 lbs. 50 cts.; 100 lbs. \$6.00.

**Bone Meal For General Use.**—Pure ground bone, not quite so finely ground as the preceding. 5 lbs. 40 cts.; 100 lbs. \$5.00.

**Scotch Soot.**—A fertilizer and fungicide. One of the best remedies and preventatives for mildew, when mixed with sulphur, at the rate of two-thirds soot and one-third sulphur. As a fertilizer, it promotes growth and heightens colour of foliage and flower. Price 10 lbs. 60 cts.; per 100 lbs. \$3.00.

## HARDWOOD ASHES

Acts as Both Insecticide and Fertilizer

Hardwood ashes besides being excellent for building up the soil and correcting the acidity and sourness which is so common in almost every soil and restoring it to its original fertility, contains a fair percentage of active caustic potash, which not only furnishes the plant with the necessary food for its development, but acts as an insecticide in destroying insects which constantly prey on Plants. Extra-selected, doubled-screened, finest unleached Hardwood Ashes, \$2.25 per 100 lbs. Special prices for large quantities

## D. and F's. Lawn and Garden Fertilizers

A fertilizer, especially prepared for us, entirely from chemicals, and designed for top dressing lawns. It is quick and lasting in its effects and produces a thick, velvety sward, which will withstand both the winter's cold and summer's heat. When used in growing early vegetables, its richness in ammonia and potash results in vegetables, particularly tender, bright and crisp. 5 lbs., 40 cts.; 10 lbs., 60 cts.; 100 lbs., \$4.50.

**Nitrate of Soda.**—A fertilizer for all crops. It is very quick in action and hastens maturity of crops fully two weeks. Being quickly soluble, it should not be applied until the plants are above ground, when 200 to 300 lbs., mixed with land plaster is sufficient per acre. Nitrate of Soda does not exhaust the land. 5 lbs., 80 cts.; 25 lbs., \$3.50; 50 lbs. \$6.00; 100 lbs., \$10.00. Large quantities, prices on application.

**Sulphate of Ammonia.**—Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil or 3 gallons of water. Price 1 lb. 25 cts.; 5 lbs. 60 cts.

**D. & F's. Complete Manure.**—A fertilizer especially prepared for growing all kinds of vegetables. Per 100 lbs., \$3.50; \$55 per ton.

**D. & F's. Special Potato Manure.**—For growing smooth, sound potatoes of the best quality. Per 100 lbs., \$4.00; \$65 per ton.

**Thomson's "Special" Chrysanthemum Manure.**—An excellent stimulating manure for top-dressing of chrysanthemums and similar plants. It is entirely soluble and very powerful, especially suitable for top-dressing plants in pots during the growing season. A heaped dessert-spoonful will be sufficient for a 10-inch pot, sprinkled over the surface of the soil and watered in with tepid water. This may be given three times during the growing season. The very best results will follow. Per lb., 30 cts.; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lb. bag, \$4.00.

**Thomson's Vine, Plant and Vegetable Manure.**—So compounded as to combine stimulating with lasting effects. A safe and reliable food and stimulant for every fruit-bearing plant, for foliage and flowering plants, for vegetables and outdoor plants of every description; admirably adapted for mixing with the soil when potting in the proportion of 4 pounds to each wheelbarrow load of soil. Per lb., 25 cts.; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lb. bag, 3.25; 50 lb. bag, \$6.00.

## STIM-U-PLANT

An Efficient and Scientific Way of Fertilizing Growing Plants

**Stim-U-plant** Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, fruit growers, florists and farmers. Their most valuable use is in feeding the growing plants. Being composed of water soluble materials of great feeding power and of known weight and percentage of plant food, **Stim-U-plant** Tablets can be used directly to the soil at the base of the plants to feed them definite amounts of available food. Once in the soil they immediately dissolve and mingle with the soil water, pass into the root-hairs and roots to begin feeding the plants. No matter how fertile the soil may be, **Stim-U-plant** is effective in feeding the crops because of its rich, available food content. Trial size, 20 cts.; small size, 30 cts.; 100 tablets, 90 cts.

With conditions as they are to-day, the prices on above goods are subject to change without notice.



# INSECTICIDES

**"ABOL" INSECTICIDE, Non-Poisonous.**—Admitted to be the World's Best Pest Destroyer—safe, certain and reliable. "Abol is certainly without equal as a Cure for Mildew on Roses and other Plants. It is clean and wholesome to handle, has no unpleasant smell, and does not injure paint. Hence its great popularity amongst Horticulturists in every sphere of life.

"Abol" is firmly established, and has been in use in the principal gardens for many years. Awarded **Gold Medal** by Special Jury at the White City last year.  $\frac{1}{2}$  pint., 65 cts.; 1 pint., \$1.25 1 quart, \$2.00;  $\frac{1}{2}$  gallon, \$3.25; gallon, \$5.25.

**Ant Destroyer.**—Rid your Lawns and Tennis Courts of Ants. It only takes about three days to do it by putting as much ant destroyer as will lay on a dime to each ant hill once a day, usually only three applications are necessary. Price, per lb., \$1.00.

**DIRECTIONS FOR ANT DESTROYER.**—Take up as much of the powder as will lay on a dime, drop same on the Ant Hills and do not disturb the Hills until the next day, then you can brush them away. You will see the following day if you have destroyed them all or not. Should any Hills appear, give them another application. Use only on a dry morning when grass is dry and the Ants are working.

**Aphine.**—Aphine will destroy Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, Brown and White Scale, without the slightest injury to the tenderest flower or foliage. It invigorates plant life. A practical insecticide for flower growers. Gallons, \$4.00; quarts, \$1.75; pints, \$1.20; half pints, 90 cts.;  $\frac{1}{4}$  pint, 50 cts.

**Aphis Punk.**—Is lighted with a match and allowed to burn, which it does without flaming; kills aphids and thrips very effectively. A box contains one dozen rolls—sufficient for fumigating 600 feet of floor space. Pkt., \$1.25.

**Apterite.**—Apterite is a gray, non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Apterite is for soil application—not for the leaves of the plant. Apterite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 5 lb., 85 cts.; 7 lb., \$1.15.

**Arsenate of Lead.**—For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form, and diluted, 1 lb. to 10 gals. water. Per lb., 25 cts.; 12  $\frac{1}{2}$  lbs., \$2.25.

**Arsenate of Lead (Powdered).**—This form of Arsenate is extensively used. It is instantly soluble in water and a pound thereof goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. dilutes to 50 gallons of water. 50 cts. per lb.

**Black Leaf 40.**—A concentrated solution of Nicotine Sulphate, an excellent spray for black aphid sucking insects of all kinds; dilutes 1 part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1 oz., 50 cts.;  $\frac{1}{2}$  lb., \$2.00

**Cooper's Fungicide.**—Prevents fungus diseases. For shrubs, bushes, small fruits, and vegetables. Tin, 40 cts.

**Copper Solution.**—For mildew, blight and rust on fruit, flowers and vegetables. Should be diluted 100 times with water for spraying. An excellent spray for fruits when nearing maturity or when plants are in full bloom. Qt. \$2.00, gal. \$5.00.

**Bug Death.**—A non-poisonous powder, sure death to potato, squash and cucumber bugs, currant and tomato worms; safe to handle. Apply dry or in water.

1 lb. package... 25c. 5 lb. package... 90c.

3 lb. package... 60c. 12  $\frac{1}{2}$  lb. Box... \$2.00.

**Dickey's Bug Death Duster,** for applying Bug Death in powder form, 40c.

**Fir Tree Oil.**—Used for destroying mealy bug, red spider, and mild forms of scale. Also to spray for thrip, green fly, etc. It is diluted in water according to directions for various purposes. Per small bottle, 35 cts.;  $\frac{1}{2}$  pt., \$1.00; per pint, \$1.50; per qt., \$2.50;  $\frac{1}{2}$  gallon, \$4.50.

**Fungine.**—An excellent remedy for fungus diseases of all kinds. Per qt., \$1.75; per gal., \$5.00.

**Gishurst Compound.**—Box, 85 cts.; large box, \$1.50. Destroys Red Spider, Scale, Mealy Bug, Green Fly, etc.

## WEEDS UTTERLY DESTROYED

By One Thorough Application of

## HERPICIDE

One thorough application will keep Gutters, Paths and Roadways clear of weeds, Poison Ivy, Grasses, Mosses, Johnson Grass, Dandelions, Burdock, Canada Thistles, etc. In  $\frac{1}{2}$  Gal. Tins sufficient to make 10 gals. of Liquid—\$1.75. In 1 Gal. Tins sufficient to make 20 gals. of Liquid—\$3.00. In 2 Gal. Kegs sufficient to make 40 gals. of Liquid—\$5.00. In 5 Gal. Kegs sufficient to make 100 gallons of Liquid—\$12.00.

Full particulars on application.

**Grape Dust.**—A readily diffusable, light weight powder Fungicide, very efficient in destroying Mildews and in preventing Blights in greenhouses or in the open; also destroying the Aphis and Black Fly. 5 lbs. \$1.25.

**Hellebore.**—The ideal material for destroying rose bugs, currant worms and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. Per lb., 90 cts.

**Nicotide.**—1 pint for 32,000 cubic feet, \$4.25;  $\frac{1}{2}$  pt. for 16,000 cubic feet, \$2.50;  $\frac{1}{4}$  pt. for 8,000 cubic feet, \$1.50.

Fumigators for above, \$1.25 each.

**Nikoteen.**—Remedy against Aphis, Red Spider, Thrip, Plant Louse, Mealy Bug and other insects. Price on Application

**Nico-Fume.**—Tin cans containing 24 sheets, \$2.00; 288 sheets, \$12.00.

**Nico-Fume Liquid.**— $\frac{1}{4}$  lb., \$1.25; 1 lb., \$3.50; 4 lbs., \$12.00.

**Pyrethrum Insect Powder.**—Lb. \$2.50.

**Readeana** (Rose Bug Exterminator).—A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. 4 oz. can, 50 cts.; 8 oz., 90 cts.; 1 quart, \$1.85; 1 gal. \$5.50.

**Scale.**—A Scalecide, Insecticide and Fungicide combined. Used at a strength of one to twenty parts water for Scale, one to fifty for other sap-sucking insects. An effective spray for San Jose and other Scale. Contains no sediment and can be applied with the finest spray nozzle. Qt., \$1.50; gal., \$4.25.

**Soft Soap.**—Specially selected as an insecticide. Price, in Jars, 75 cts.

**Sulphate of Copper.**—For destroying fungus diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture, it requires four pounds Sulphate of Copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 30 cts.; 10 lbs., \$2.50.

**Sulphur.**—Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 15 cts.; 5 lbs., 60 cts.; 25 lbs., \$1.75.

**Slug Shot.**—The standard remedy for currant worms, rose slugs, cabbage worms and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1 lb. carton (with perforated lid to dust out), 25 cts.; 5-lb. package, 75 cts.; 10-lb. package, \$1.50.

Special Shaker for Slug Shot, 40 cts.

**Sulpho-Tobacco Soap.**—Full directions with each cake. Destroys lice, greenfly, mealy bug, red spider, etc. 8 oz. Cake makes 4 gallons prepared solution, 50 cts.

**Tobacco Dust** for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb., 15 cts.; 5 lbs., 60 cts.; 10 lbs., 80 cts.; 25 lbs., \$1.75.

**Thymo-Cresol** is at one and the same time both a Fungicide and an Insecticide.

Every Up-to-date Allotment Holder and Gardener of any rank, or Smallholder should have this valuable article in his possession. "Thymo-cresol" should find its place in every tool-house and store, equally with the spade, or the most useful implement used in gardening. Per bottle, 40 cts.

## TIPULITE, The New Soil Fumigant.

AN IMPROVED FERTILIZER, INSECTICIDE AND FUNGICIDE.

Manufactured under Royal Letters Patent No. 10511-10.

To Farmers, Market Gardeners and Horticulturists—Save Your Crops from All Soil Pests.

**Tipulite** is fatal to the larvæ of the Crane Fly (Daddy Long Legs), Wireworm, Leather Jackets, Ants, Grubs, Eelworm, Slugs, Woodlice, Beetles, Tulip Root in Oats, Fungus and all Soil Pests destructive to Plant Life.

**Tipulite** is a non-poisonous powder, which has been proved by experiment to be absolutely non-injurious to plant life.

**Tipulite** yielded satisfactory results in trials over 60 acres of Swedes attacked by the grub of Daddy Long Legs.

**Tipulite** is manufactured under strict medical supervision, and its constant efficiency is thus maintained.

**Tipulite for the Farm.**

Sow **Tipulite** broadcast by hand or with manure drill, 3 to 4 cwt. per statute acre, and plough in.

**Tipulite** may also be safely sown in the drills with the seed, and for potatoes it may be sown in the rows before planting the sets.

A most valuable application of **Tipulite** on the farm is to sprinkle it freely on manure heaps when laying these up to stand the winter. It thus acts directly upon fungus growths and insect pests, the spores or eggs of which are always present in excretal matter, and which develop rapidly in the heat which arises from decomposition of the manure itself.

**Tipulite for the Garden.**

Dig 2 oz. of **Tipulite** per sq. yard for most crops. Celery should have **Tipulite** sown in the trenches.

2-lb. tins.....	\$0.75	14-lb. bags.....	\$2.00
3 $\frac{1}{2}$ -lb. tins.....	1.00	56-lb. bags.....	4.25
7-lb. bags.....	1.40		

## INSECTICIDES—Continued

**Whale Oil Soap.**—Used during the summer as a wash, thus preventing the spread of scale. 1 lb., 75 cts.

**Worm Eradicator (Radix).**—Destroys worms in lawns, on tennis courts and putting greens. One gallon makes 100 gallons of treating liquid, 5 gallon, \$9.25; 25 gallon, \$37.50.

**Worm Eradicator (Reade's Electric).**—This has been found to effectually destroy worms in greenhouse benches and in potted plants or for outdoor use, in the flower and vegetable garden, or among trees. It may be used with perfect safety, and results are sure. Per 24 oz. bottle, \$1.50

**X. L. All Liquid Insecticide.**—For spraying. English preparation; purely nicotine; harmless to very delicate plants; kills mealy bug, red spider, and all insect pests.  $\frac{1}{4}$  pint 50 cts.  $\frac{1}{2}$  pint 80 cts.; qt., \$1.75;  $\frac{1}{2}$  gallon \$2.75.

### CLIMAX LAWN SAND

For destroying Daisies, Dandelions, Plantains, Ribbed Grass, Thistles, and other weeds on Lawns, Croquet Grounds, Bowling Greens, Parks, etc., at the same time acting as a fertilizer, and improving the growth and colour of the grass.

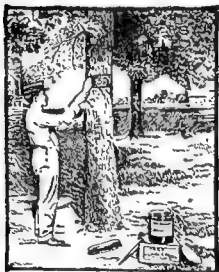
### PRICES

5 lb. Tin.....	\$0.75
10 lb. Tin.....	1.50
28 lb. Wooden keg.....	3.25
56 lb. Wooden keg.....	5.50

Booklet Sent Free Giving Full Particulars.

### French Bordeaux Mixture

Ready for immediate use by dilution. It works freely without clogging in any spraying machine. The uniformity of its consistence permits of very fine spray; and consequently large economical distribution of a small quantity evenly over a large area of surface. It sticks effectively. Qt. tin, 90 cts.; one gallon tin, \$2.50.



### TREE TANGLE FOOT

(Caterpillar Preventative.)

No Caterpillar and creeping insect escapes its sticky, deadly grip.

A perfect safeguard for trees against Gypsy Brown-Tail and Tussock Moth, caterpillars, Canker Worms, Cut Worms, Ants and other creeping insects.

It will remain sticky about three months fully exposed to weather. One pound will make a band 7 to 8 feet long. Market price.

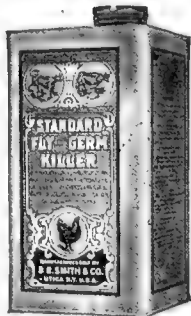
### COW-EASE

Keeps flies off Cattle and Horses

Cow-Ease is a liquid preparation to protect cattle and horses from the torture of flies. It is a disinfectant and germicide.

The discovery of Cow-Ease has brought freedom from the cow's awful pest—the fly—and consequent comfort to the milker.

It is a well-known and generally recognized fact that cows protected from flies give more milk and require less feed to keep up milk and fat. It is put up in lithographed sealed top cans. Full directions on each. Qt. tin 90 cts.;  $\frac{1}{2}$  gallon \$1.50; gallon \$2.50.



### BOWKER'S PYROX

THE BEST ALL AROUND SPRAY



Pyrox kills leaf-eating insects. It prevents rots, blights, rusts and fungus.

It serves the purposes for which two mixtures were previously used. It is no experiment; it was introduced in 1898. It is a creamy paste that looks like paint, is easily mixed with cold water, and sticks like paint to the foliage. It won't wash off.

Bowker's Pyrox is a combination of arsenate of lead and Bordeaux. It is a mixture with reliability and brains behind it; a mixture with laboratory and field experience to support it; a mixture made by careful methods in a modern plant under expert supervision. Such a combination costs more to make and is worth more to buy because of the insurance the name affords against haphazard preparations.

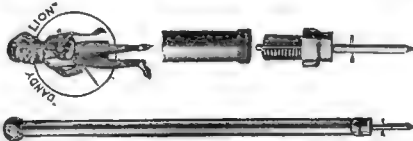
It won't wash off. If it were not for the new growth coming along, as is usually the case with shade trees, fruit trees, shrubs, potato vines, etc., and which, of course, must be protected, one spraying would be enough for the season.

Prices, 1 lb. (not mailable), 60 cts.; 5 lbs., \$2.25; 10 lbs., \$4.25; 25 lbs., \$10.00; special price on application.

Always select a clear day for spraying your fruit.

**PRATT'S ANIMAL DIP**—For dipping sheep and goats, is superior to all other Fluid Dip. It is death to all parasites and does not stain the wool but exercises a most beneficial effect upon it. A very reliable disinfectant and germicide. Quart can 70 cts.

### THE "DANDY-LION" WEED KILLER



The only instrument (when filled with Weed Killer) that will effectually destroy Dandelions, Docks and other coarse weeds in Lawns, etc., without injury to the surrounding grass. Made in solid brass with iron handle, \$2.00 each. Galvanized iron cylinder, brass tip, iron handle, \$1.50.

**Liquid Weed Killer.**—A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under control the whole season.

All who have used this preparation praise it highly. Full directions on each package. Per qt., \$1.25; gallon, \$3.00.

## SPRAYIDE

A Garden Spray (Dry)

A COMBINATION INSECTICIDE FUNGICIDE AND PLANT TONIC FOR THE GARDEN AND ORCHARD.

It is a combination of Arsenate of Lead and Bordeaux Mixture in dry powdered form.

"Sprayide" destroys virtually all leaf-eating insects and controls fungus growth, rot, scab, etc. It can be used on a large variety of fruits and vegetables with assurance of perfect results.  $\frac{1}{2}$  lb. pkg., 50 cts.; 1 lb. pkg., 90 cts.

FUMIGATION OF GREENHOUSES BY HYDROCYANIC ACID GAS GENERATED FROM

### "CYANEGG" (96/98% Cyanide of Sodium Technical)

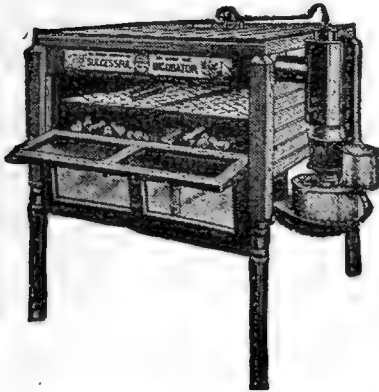
The most effective Fumigating Material to destroy White Fly and all other insects in the Greenhouses. Each egg weighs as near one ounce as possible. No more weighing, no waste. Directions how to use and quantity with every order. Price per egg 20 cts.; 3 for 50 cts.; 12 for \$1.75.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

# "SUCCESSFUL" HOT-WATER INCUBATORS

## THE STANDARD OF PERFECTION IN ARTIFICIAL INCUBATION

MORE IN USE IN CANADA THAN ANY OTHER INCUBATOR ON THE MARKET  
SO SIMPLE TO OPERATE—GIVING A LIFETIME OF SERVICE



We have been appointed territorial distributors for the famous standard made "Successful" Incubator and Brooder, manufactured for 27 years by the Des Moines Incubator Co., Des Moines, Iowa. We can deliver any desired size promptly on receipt of your order. They are easy to operate, require minimum attention and last a lifetime.

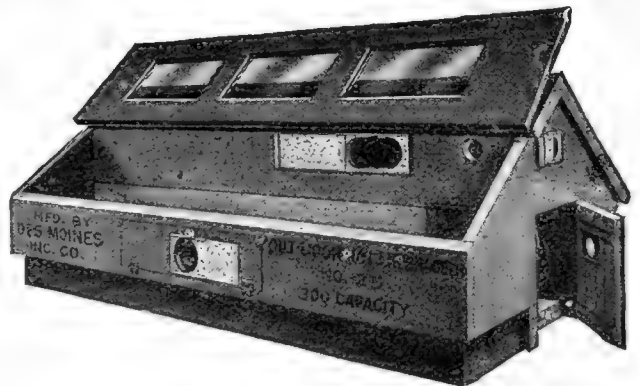
**CONSTRUCTION.**—Inner walls California Redwood, then heavy building paper, outer walls 4 inch fir ceiling. Each board, large and small, is dadoed or interlocked, thus giving the "Successful" the best of cabinet construction. They are hot water heated, a pure copper tank entirely encircling the egg chamber (tanks are good for 25 to 30 years). Tanks, thermometers and automatic heat regulation are carefully tested. They also have double glass doors and a very convenient, deep chick nursery under the trays, Handsomely finished.

**GUARANTEE.**—You purchase these machines under an absolute money-back-if-not-satisfied guarantee. You run no risk purchasing the "SUCCESSFUL."

## "SUCCESSFUL BROODERS"—The Best Chick Preserver

**FOR OUTDOOR USE**  
**HOT AIR HEATED**

Floor in Successful Brooders is elevated from the ground, heat is regulated automatically, preventing crowding or chilling of the chicks. Heating arrangement extends entire length of brooder. Same safety lamp used in our brooders as in our Incubators. Large glass door in front provides ample light. Can be used indoors as well as outdoors. Constructed very durably from inch lumber.



Incubators	PRICES.	Brooders	PRICES.
No. 0 60 egg capacity.....	\$20.00	No. 20-200 size Outdoor hot air.....	\$28.00
No. 6 120 egg capacity.....	32.00	No. 25-300 size Outdoor hot air.....	31.00
No. 5 175 egg capacity.....	39.00	No. 21-100 size Indoor hot air.....	21.00
No. 9 240 egg capacity.....	46.00	No. 22-200 size Indoor hot air.....	24.00
No. 4 312 egg capacity.....	54.00	No. 14-200 size Outdoor hot water.....	30.00

Each machine is furnished complete with all fixtures, including full instructions as well as our practical poultry lessons in book form. Large, illustrated catalogue sent on application.

## BUCKEYE INCUBATORS—HOT WATER HEAT

Style E. No. 14 (capacity 65 eggs).....	\$24.25
Style E. No. 16 (capacity 120 eggs).....	40.50
Style E. No. 17 (capacity 210 eggs).....	55.25
No. 1 Standard (120 eggs).....	56.75
No. 2 Standard (175 eggs).....	67.00
No. 3 Standard (250 eggs).....	84.75
No. 4 Standard (350 eggs).....	101.00
No. 5 Standard (600 eggs).....	156.25

EVERYTHING FOR THE GARDEN, FARM AND LAWN

# The Standard Colony Brooder

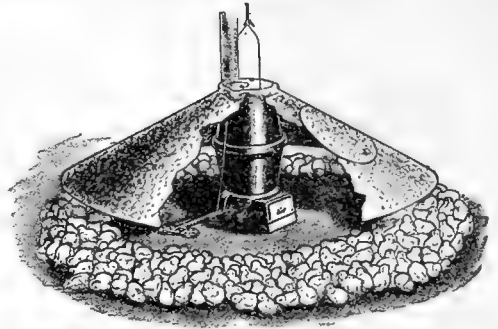
Grows Three Chicks where One Grew Before  
Nothing to Break—Nothing to Wear Out

SHOWING A STANDARD COLONY BROODER IN OPERATION WITH  
1050 CHICKS

Self-Feeding, Self-Regulating, Simple, Safe, Everlasting, Guaranteed  
operation cost less than Six Cents a day.

No. 18 (capacity up to 500 newly hatched chicks).....\$34.50

No. 19 (capacity up to 1000 newly hatched chicks)..... 42.50



Complete Catalogue of Buckeye Incubators and Brooders  
on Application.

## "BUCKEYE" PORTABLE BROODERS

With all the desirable features of the Modern Coal Burners. Built in 3 Sizes.



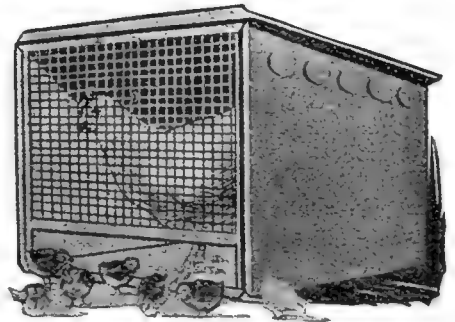
No. 20 Diameter 19 inches.	Capacity 60 chicks.....	\$18. <sup>50</sup>
No. 21 Diameter 22 inches.	Capacity 100 chicks.....	23.00
No. 22 Diameter 30 inches.	Capacity 150 chicks.....	29.00

Catalogue and price of Electric Incubator on application

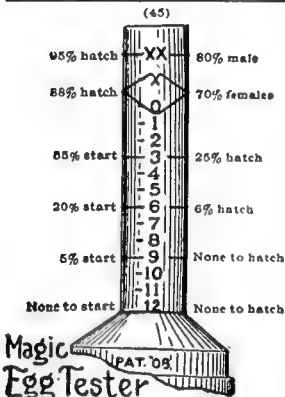
## All Metal, Rain-Proof and Rat-Proof—The Tri-Angle Coop Means Absolute Protection for Your Chicks

Here's a feature that puts the Tri-Angle Coop in a class by itself:—On hot nights you can lift out the netting front and slide it in upside down. Result—chicks are absolutely safe from rats and weasels, yet are as cool and comfortable as if in the open air—not sweltering behind a solid metal cover.

Notice this, too:—Top of coop slides back so you can reach hen and chicks without stooping. You can leave top back to let coop dry quickly after washing. Coop is made of strong galvanized iron throughout—but weighs only 14 pounds. Folds flat for storing in winter. Has storm cover which slips into netting groove—complete protection in rough weather. Coop thoroughly ventilated. Price, \$3.50.



Solid Storm Cover not shown



### THE MAGIC EGG TESTER

This tester is really a wonder. Unlike other testers, it tests the egg before it is set for hatching. It will indicate every strong hatchable egg and will point out quickly any weakness of a germ. The illustration shows the hatching strength (before incubation) of six different grades of eggs. This is all indicated by the aid of a jar of water. Price, \$2.50.

### DON'T FEED GREEN FOOD DO AWAY WITH THE BOTHER BY USING SUCCULENTA TABLETS

They are better, cheaper and more relished by all fowl. Simply dissolve one tablet in one quart of drinking water. Succulenta Tablets are not a drug, nor a remedy, but a food wholesome and harmless. They make chicks grow.

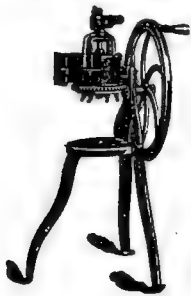
### A FULL EGG BASKET IS ASSURED

100 large tablets by mail .....	\$ .65
250 " " " " .....	1.35
500 " " " " .....	2.00



# POULTRY SUPPLIES

## MANN'S NEW MODEL BONE CUTTERS



No. 5B.—Intended for flocks of 15 to 25 hens. Will cut faster and easier than other types costing twice as much. Weight 55 lbs. Price, \$23.00.

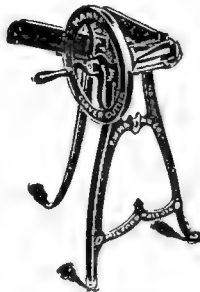
No. 7.—Intended for flocks of 40 to 100 hens. Can be profitably used for 200 hens or more, but we recommend No. 7½ for flocks of more than 100. Mounted on strong iron stand with large table for box or pan to receive cut bone. Patented 1902 Model automatic governing spring feed. Large open hinged cylinder, giving instant access to all working parts. Six Special knives. Gear guard anti-clog device. Heavy balance wheel with adjustable handle, besides all the best features of our old style machines. Weight, 107 lbs Capacity, ½ to 1 lb. per minute. Price, \$31.00.

No. 7½. Semi-Power Machine.—A combination hand or power Bone Cutter. Adapted to run either way without changing any part. It is always ready for use. Intended to meet the demand for a small power cutter. Cylinder same as No. 7. Capacity 50 to 100 lbs. per hour. Weight, 150 lbs., diameter of the pulley, 11 ½ inches, 2 ¼ face. Speed of pulley, 300 revolutions per minute. The No. 7½ has all the late improvements, special feed, anti-clog, open cylinder, tight and loose pulley, etc. Price, \$40.00.

## MANN'S CLOVER CUTTER.

It is strongly built. The workmanship is first-class in every particular, and it will last for years without repairs. It is not a toy or a rattletap, but a thoroughly practical machine offering the greatest value for the least money. Do not buy a clover cutter until you have seen the Mann's. Made entirely of iron and steel, with balance wheel, mounted on iron stand. Price, \$25.00.

Without stand. Price, \$23.00.

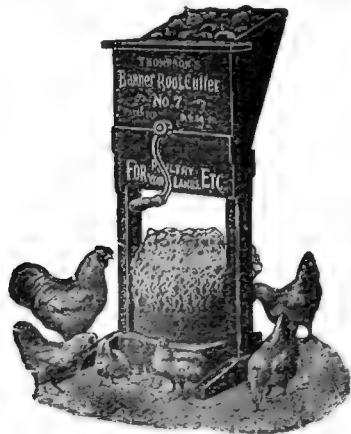


## THOMPSON'S ROOT and VEGETABLE CUTTER

It cuts all roots and vegetables into fine shavings like ribbon, or finer.

All poultry, large or small, can eat it readily. Two to five minutes will cut enough feed for large flocks of fowls. Beets, turnips, carrots, potatoes, onions, cabbage, mangels, and all roots and vegetables, reduced and used with profit by the aid of this machine.

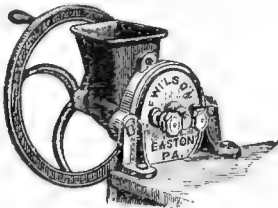
Price, \$10.00.



## No. 1, HAND, BONE, SHELL and CORN MILL

This Mill will grind or granulate dry bones, shells, grit, gravel, stones, old crockery, glass, charcoal, corn, walnuts and all kinds of grain. It is also a splendid machine for the housekeeper for grinding stale bread, crackers, roots, barks.

Price, \$10.00.



## PAGEL'S SANITARY FOUNTAIN



The Simplest, Handiest and most PRACTICAL FOUNTAIN MADE Keeps Water the Right Temperature all the Year.

Has no lamps to trim, and no valves to get out of order. Saves time, labor and worry, and costs nothing to run.

Cool In Summer. --- Warm In Winter.

The fountain is made of heavy galvanized iron and is similar in construction to the fireless cooker, being packed with a non-conducting material to retain the temperature of the water. The drinking cup, which contains the only water exposed, forms a connection between the outer and the inner cap, and does not project beyond outer can, there being no possible chance for droppings, the cause of so much disease, to get into the water. Price: 2 gallon size..... \$5.50 each 3 gallon size..... 6.50 each

## PAGEL'S ECONOMY DRY FEED HOPPER The Best Feeding Device on the Market

Has no wire or screens to injure fowls' heads or beaks.

Absolutely Rat, Rain and Bird Proof.

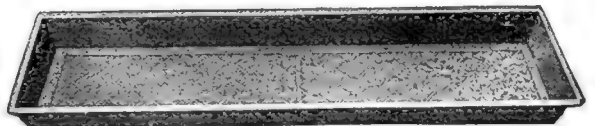


Pagel's Economy Dry Food Hopper is made of galvanized iron and is designed for feeding whole or cracked grain, dry mash, grit, oyster shell, beef scraps, etc., without waste or danger of clogging. It is made to fasten on the wall of poultry house about 18 inches from the floor and can be conveniently used in the yard or on the range by fastening to two posts driven into the ground.

It is provided with a swinging door that closes and locks automatically when not in use, which makes it rat, rain and bird proof, as shown.

The hopper has a capacity of 24 quarts, which is a sufficient supply of feed for 15 fowls for two weeks. Four fowls can feed at the same time. Price, \$5.00 each.

## GALVANIZED WALL FEED PAN



Easy to clean; saves waste, always out of the way; for wet or dry feeds, chicks cannot roost on it.

Small size, 45 cts. each; small size, 3 compartments, 55 cts. each; large size, 3 compartments, 90 cts. each.

## SULPHUR CANDLES

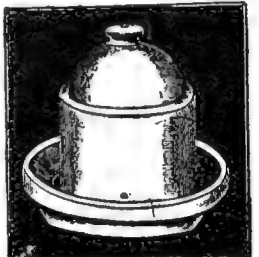
The easiest way to completely free your poultry houses from all kinds of insect life and vermin is to fumigate them with Essex-Model Sulphur Candles.

The vapor which arises from burning them is deadly to all animal life, especially when burned in water. Price: each 25 cts.; post-paid, 30 cts. Per dozen, by express, not prepaid, \$2.50.

## SANITARY DRINKING FOUNTAINS

(Earthenware).

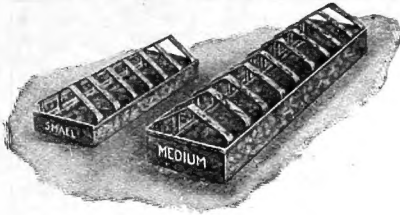
Price, ¼ gallon, 60 cts.; ½ gallon 75 cts.; one gallon, \$1.00; 2 gallons' \$1.25 each.



With conditions as they are to-day, the prices on above goods are subject to change without notice.

# POULTRY SUPPLIES

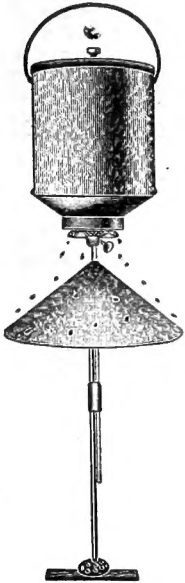
## SANITARY POULTRY FEEDER



The food can not be scratched out or wasted. The top removes to fill or clean; for water or food. Price, each large size, \$1.75; medium, \$1.50; small, 60 cts.

## THE IDEAL AUTOMATIC FEEDER AND EXERCISER

The Hen That is Busy,  
Is the Hen That Lays,  
and the Hen That Lays,  
Is The Hen That Pays.



This Feeder is made so that it can be hung from the ceiling or any suitable place, thereby making it possible to scatter the grain farther than any automatic feeder and it also gives the poultry all of the floor space.

They will pay for themselves in six months in saving of feed and will increase your egg yield 25 to 40 per cent.

The Bait Rod can be adjusted so the Feeder can be used in any coop and for any size fowl.

Feeders are made of best galvanized iron, No. 26 gauge. They are seamed together by machinery and not soldered. We guarantee them to give the best satisfaction or will refund your money.

Price, each, 8 quarts \$3.50; 12 quarts \$4.00; 20 quarts \$4.50

### GALVANIZED IRON WALL FOUNTAINS.

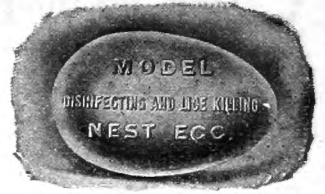
Price, 1 quart size, 75 cts.; 1 gallon size, \$1.50; 2 gallon size, \$1.75 each.



## NAPHTHALENE NEST EGG

This Nest Egg is used, not in reality as a nest egg, but is put into the nest to remove and kill the lice—the same as a camphor ball is packed in clothing to keep out the moths. One of these nest eggs placed in a nest will remove all vermin; or used beneath the nesting material, a setting hen can remain on the nest with comfort.

This nest egg retains its disinfecting and lice-killing qualities as long as there is anything left. Price: 15 cts. each, 2 for 25 cts.; \$1.25 per doz.; by mail, 5 cts. each extra.



## CANFIELD DRINKING CUPS

We have recently purchased the forming dies and all rights in the well-known Canfield cup. They are made of sheet iron heavily enameled, and hold half a pint. Price: each, 30 cts.



## POULTRY REMEDIES

Bronchitis Remedy (Conkey's)—75 cts. each.

Chicken Pox (Conkey's)—75 cts. each.

Chicken Pox (Pratt's)—35 cts. and 70 cts. each.

Cholera Remedy (Conkey's)—40 cts. and 75 cts. each.

Cholera Remedy (Pratt's)—35 cts. and 70 cts. each.

Diarrhoea Remedy (Pratt's)—35 cts. and 70 cts. each.

Diarrhoea Remedy (Conkey's)—75 cts. each.

Gape Remedy (Conkey's)—75 cts. each.

Gape Remedy (Pratt's)—35 cts. and 70 cts. each.

Head Lice Ointment (Conkey's)—40 cts. each.

Head Lice Ointment (Pratt's)—35 cts. each.

Lice Killer Powder (Pratt's)—35 cts. each.

Lice Killer Liquid (Pratt's)—Quart, 60 cts.

Rheumatic Remedy (Conkey's)—75 cts. each.

Roup Cure (Conkey's)—40 cts. and 75 cts.

Roup Cure Powder (Pratt's)—35 cts. and 70 cts. each.

Roup Cure Tablets for obstinate and advanced cases, 35 cts. and 70 cts. each.

Sulphur Candles for destroying Lice—30 cts. each; \$2.00 per dozen.

## POULTRY FOOD

Beef Scraps—Market Price.

Blood Meal—Market Price.

Charcoal, Granulated—Lb., 10 cts.; 3 lbs., 25 cts.; 10 lbs., 50 cts.; 100 lbs., \$4.00.

Chick Food.—Market Price.

Clover Meal.—Market Price.

Crushed Bones.—Market Price.

Developing Food.—Market Price.

Grit (Mico Spar).—Lb., 2 cts.; per 100 lbs., \$1.25.

Herbageum.—40 cts. and 80 cts. per package.

International Poultry Food.—40 cts. and 75 cts. per package; 25-lb. pail, \$3.75.

Laying Mash.—Market Price.

Oyster Shells.—Lb., 3 cts.; per 100 lbs., \$2.25.

Pratt's Poultry Food.—35 cts. and 70 cts. per package; 12½ lbs. pail, \$2.00; 25 lbs., pail, \$3.50.

With conditions as they are to-day, the prices on above goods are subject to change without notice.

# CALDWELL'S (Cream Substitute) CALF MEAL

Specially prepared for young calves, colts, lambs and pigs.

Perfect Milk Substitute. Will raise colts, lambs, pigs or veal calves at from one-third to one-quarter the expense of feeding milk. Raises better calves and saves the milk. You can't afford not to use it. Used and indorsed by experimental stations and farmers all over the world. It is absolutely the only milk substitute that contains all the elements necessary for bodily growth in the correct proportions. Feeding directions with every order. Price, 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00.



Miss Clyde Sullivan, of Ousley, Georgia, U.S.A.

## YOUNG GIRLS

The call is to help to produce more food. With a Utility Outfit at home, you can follow the example of this young American girl from Ousley, Georgia, who won the diploma of honor for home canning.

With a Utility Outfit No. 30, this young girl canned tomatoes and in one season reaped the magnificent profit of \$139.29 on the farm of her parents and with produce cultivated by them. This took place before the great increase in the price of canned goods.

We feel sure that once they have read this story, our young Canadian girls will all try to follow Miss Sullivan's example.

EVERY OUTFIT IS GUARANTEED FOR 10 YEARS

Catalogue and Prices on Application

## COTTON SEED MEAL, GOOD LUCK BRAND

GOOD LUCK BRAND Cotton Seed Meal is the richest cattle food ever placed upon the market. The table appearing below, giving the average analysis of several principal feeds, shows this to be beyond question:

	Per Cent.
Good Luck Brand Cotton Seed Meal	41.43 8.90
Linseed Oil-Cake Meal	30.41 7.07
Gluten Feed	25.65 7.52
Oats	11.8 5.35
Wheat Bran	14.99 3.74
Barley	11.88 2.83
Corn	9.36 4.47

By these analyses you can see that cotton seed meal is by far the richest feed, and when compared upon the basis of its feed value, it is certainly the cheapest.

The amount of protein contained in any feeding stuff largely determines its value. When buying feed you should study its composition. Do not buy coarse, indigestible or un-nutritious material simply because you can purchase it for less money. From no other source can protein be obtained at such a low price as in

### GOOD LUCK BRAND COTTON SEED MEAL.

Beef Cattle, Dairy Cows, Sheep and Hogs show greater gains when fed a ration in which cotton seed meal is included. These gains are made in less time and at less expense than with any other ration. We can furnish many testimonials to this effect.

### GOOD LUCK BRAND COTTON SEED MEAL.

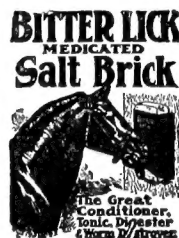
One to two pounds per day of cotton seed meal may be safely fed at first to fattening steers, gradually increasing until after thirty or forty days each animal may be fed four to five pounds per day per 1000 lbs. live weight. Price, \$4.50 per 100 lbs.

## SPRATT'S DOG CAKE

Should be given in various ways; slight changes in diet are beneficial. Biscuit given dry help in teething and cause increased secretion of saliva, which aids digestion. They may be given soaked in milk, in water with a little fat, in both gravy or soup. If necessary, give each dog a very little meat, minced small and mixed with the biscuit and broth. Rough bones, which the dogs cannot break up, such as beef skin bones, are very beneficial, but should never be given until after the regular meal has been eaten. Sugar and sweet cakes should never be given to pet dogs.

Price, 5 lbs., \$1.00.  
Per 5 lb. bag, \$1.25.

Spratt's Patent Puppy Biscuits.



## BITTER LICK, SALT BRICK

For Dairy Cows, Horses and other animals. This is an essential to general good health in stables among horses and cattle. Fastened on the wall, it is accessible at all times and remains clean. Per brick, 40 cts.; \$4.00 per doz.

Salt Brick Holders, 40 cts. each; \$4.00 per doz.

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Carrot . . . . .	28
Clover Seeds . . . . .	32
Corn, Field . . . . .	31
Corn, Kafir . . . . .	28
Cow Peas . . . . .	29
Flax . . . . .	29



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