Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.
The Improvement of Land

The correct preparation of land so as to insure maximum crops is a weighty problem with most farmers and gardeners, if we can judge from the number of requests that come in daily for information on this subject.

To prepare old worn-out soils that have been allowed to get into a hard, poor, weedy condition, for a Vegetable-Garden, it is necessary to get the soil mellow, well enriched with decayed vegetable matter and well-rotted barnyard manure, and clear of weeds.

The ground should be plowed as early in spring as it can be worked, putting in about one ton of burnt lime to the acre. Harrow and pulverize, giving the soil a thorough working to get it as fine as possible. Sow 1½ bushels Canadian field peas and 3 bushels oats to the acre. Late in June or early in July this crop should be plowed under, applying thirty or forty loads of coarse, well-rotted barnyard manure, well worked in, and sow 2 bushels of buckwheat and rye and 20 lbs. crimson clover to the acre, or 2½ bushels cowpeas to the acre. If buckwheat, rye and clover are used, let the buckwheat die down when frost comes and plow all under early next spring—if cowpeas are sown, turn them under in September and apply a ton of unleached hardwood ashes to the acre and sow 2 bushels rye to the acre, and in spring apply another thirty or forty loads of well-rotted barnyard manure, plowing under as soon as dry enough.

In place of sowing in July, the cereals mentioned above, the oats and peas may be followed with white beans, planted in hills, cultivated both ways and hoed. In September sow rye among the beans and in spring plow all under; another half ton of lime can be used to advantage, and the cultivating and hoeing will clean out the weeds and give a cleaner garden. This soil, if thoroughly plowed and harrowed, should be mellow and rich enough to grow any kind of vegetables.

Another plan would be to plow the ground as deeply as possible in fall. Harrow and pulverize, to make it friable and easy to work. Apply as a top dressing 50 bushels air-slaked lime and sow to rye, 2 bushels to the acre. Apply thirty or forty loads of coarse barnyard manure early in spring, and plow all under about the middle of June, then sow cowpeas, 2½ bushels to the acre, and harrow or cultivate them in. About the end of September turn the cowpeas under, applying one ton of unleached hardwood ashes and again sow to rye. Next spring apply forty loads of well-rotted barnyard manure and plow all under as soon as dry enough.

In order to renovate ground used as a Vegetable Garden that has been run down, as soon as frost comes the ground should be plowed applying a liberal quantity of well-rotted barnyard manure, working it well in, then sow winter rye, 2 bushels to the acre. In early spring this should be plowed well under, applying Thorburn’s Complete Manure at the rate of 1200 to 1500 lbs. per acre—this will give a good foundation for the new garden.
1802—1915

J. M. THORBURN & CO.

Well into the SECOND CENTURY in the business of supplying to all interested in gardening, the finest and most choice quality of SEEDS, BULBS, ROOTS, etc., obtainable in the world, the House of THORBURN continues to retain the confidence and friendship of its old customers, besides gaining annually many thousands of new friends from among the largely increasing numbers of both amateur and professional gardeners.

THIS, our 114th successive Annual Catalogue, will be found replete with lists of SEEDS, BULBS, etc., all of the HIGHEST GRADE only, as well as miscellaneous articles necessary for the successful cultivation and care of the garden. You can make up your order from its pages with entire confidence in the exceptional quality of the products we are offering.

Our catalogues have always received a considerable amount of study. The cultural directions and descriptions in them are concise and to the point.

Over a century in business means something—and it does much to emphasize the reliability of our goods. The Thorburn experience—the Thorburn knowledge of what’s what in seeds—the Thorburn reputation for fair dealing—these are your safeguards in buying.

We would suggest that your order be made up as soon after the receipt of this catalogue as possible. It will help us to ship promptly, and it will help you by giving you your goods just when you want them. Placing orders late sometimes makes delays unavoidable. But we have the facilities for handling a vast amount of business, and your orders will receive the most prompt attention regardless of when they come.

If there is any information you want that is not given in this catalogue, write us about it. We will give all inquiries our careful attention.

May we have the pleasure of filling your order?

WE ASK THAT YOU READ THE NEXT PAGE BEFORE SENDING IN YOUR ORDER

CULTURAL DIRECTIONS
These apply to the climate of New York and vicinity. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves to gardeners.

ORDERS
Orders should be written on our order sheet or on a blank sheet separate from letter, preferably in ink, and, to receive prompt attention, should be directed to the firm and not to individuals. Orders from new customers should be accompanied by a remittance in the form of a Post-Office or Express Money Order, Bank Check or Bank Bills.

PRICES
The prices quoted are net, and do not include free transit, EXCEPT FOR SEEDS IN PACKETS, OUNCES or QUARTER-POUNDS, on which WE pay postage or expressage anywhere in the U. S.

SEEDS BY MAIL OR EXPRESS
If wanted by mail in the United States, add postage according to zone rate, as per table at foot; and 12 cents per pound in Canada, except for seeds ordered by the packet, ounce or 1/4 lb., which we mail free. By special arrangement with the express companies, we can ship seeds and bulbs at a reduction of 20 to 25 per cent from the regular rates. In view of the greater safety, it will be found best to send parcels of 25 lbs. or over by express, as packages are apt to get crushed in the mail. Unless otherwise instructed, we send orders from persons unknown to us C. O. D.

It sometimes happens that certain articles are not ready when the bulk of the goods ordered is shipped. In such cases, rather than hold back the whole order, we send what is ready and keep a memorandum of what is to follow when available. Customers would, therefore, in such cases, do well to await our advice or invoices before writing in regard to items not sent them.

PARCEL-POST ZONE RATES

<table>
<thead>
<tr>
<th>Zone</th>
<th>Within 50 miles of N. Y. City</th>
<th>1st lb.</th>
<th>2d lb. or fraction of 1st lb.</th>
<th>Additional lb. or fraction of 1st lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>2d</td>
<td>3d</td>
<td>4th</td>
<td>5th</td>
</tr>
<tr>
<td>50</td>
<td>50</td>
<td>150</td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>1 lb.</td>
<td>25c</td>
<td>5c</td>
<td>1c</td>
<td>2c</td>
</tr>
<tr>
<td>1 lb.</td>
<td>1c</td>
<td>1c</td>
<td>1c</td>
<td>1c</td>
</tr>
</tbody>
</table>

NAME, ADDRESS, ETC.
We beg our correspondents to give us on each order the correct name and address; also to indicate very precisely the means of carriage which they prefer—mail, express or freight, and the office or railroad station which best serves their locality. In case these directions are not followed out, or if they are not sufficient, we ourselves shall of course choose the most advantageous and convenient means.

WARRANTIES
Seeds of best quality will sometimes fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. More failures result from disregard of the conditions necessary for germination than from inferiority of the seeds used.

These conditions are: A proper temperature, sufficient moisture and free access of air. Besides these, the soil must be in proper condition and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone.

Seeds differ greatly as to the temperature required for germination. Beets, cress, peas, etc., germinate rapidly at a temperature of 45°; but if melons and other seeds of that family, bush or pole beans, and other plants of sub tropical origin, are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing.

The second condition, proper moisture, is likely to be violated by an excess rather than by too small a portion. The proper amount is that which a well-drained soil will naturally hold.

Free access of air is all-important, and this is interfered with by an excess of water in the soil.

In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it forms roots below ground and leaves above, and is able to sustain itself.

Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continuous drying wind may check their growth or destroy them altogether.

In addition, there are numerous insects, both below and above ground, that may attack the plants, some of them being so small that they
often destroy a crop before they are discovered.

We may also mention the well-known tendency of many vegetables to revert to their original types, notwithstanding the care of the seed-grower; the yellow-podded wax beans becoming green, the yellow and white celery becoming more or less green, dwarf peas becoming running sorts, etc.

F. W. BRUGGERHOF
President

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they 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.

J. M. THORBURN & CO.
53 Barclay Street, through to 54 Park Place, New York

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMPANY
Telephone Nos. 6445 and 6446 Barclay. Private Exchange connecting all departments

Directions for the Cultivation of Vegetables

To secure a good crop of vegetables, three things are necessary, viz., a suitable soil, pure seed and clean culture. The exposure for a vegetable-garden should be south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being about the best. If the soil be stiff, it should be gradually mellowed by the free use of barnyard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile; but, if possible, a location should be selected naturally dry and free from surface water.

A dark-colored soil, or one supplied with a goodly portion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or subsoiling, unless manure and money both be abundant. A sandy soil may be greatly improved by adding vegetable mold from the woods. To produce the best results, the vegetable-garden should have at least one foot of good, rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, sufficiently

PORTION OF OUR TRIAL-GROUNDS
far off, afford a valuable protection on the north and west.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes, Onions and a few other things may form exceptions to this rule. Every year the beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. From seeds sown in drills, larger crops from a given surface are grown, and cultivation is simple and comparatively easy. The space between the drills, and other special information, is given in the body of this catalogue; the least distance is named, in order to economize space; it might be increased in some cases to advantage. The ground should be frequently hoed, to kill the weeds and to keep the soil mellow; and the proper time to hoe is just when the weeds appear above the ground.

Much time may be gained by starting certain kinds of plants in a hotbed, or even in a coldframe, the latter being a convenient thing, even on a small place. The hotbed is chiefly intended for raising early Tomatoes, Eggplants, Peppers, Cabbage, Cauliflower, Lettuce, etc., but as all these plants can now be bought cheaply of this company at the proper time, the expense and labor of a hotbed may be dispensed with, especially on small places.

To prepare a coldframe.—The coldframe is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the winter with salt hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 to 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hotbed is good for the purpose. The frame is prepared in the fall, and young Cabbage, Cauliflower and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some 8 or 10 days later. The young plants will be ready to transplant in about 25 to 30 days. During the cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce and Radish may be sown in a coldframe in the spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

Directions for Making a Hotbed

I N THE vicinity of New York, from the first to the latter part of March is quite early enough to make a hotbed. The time must vary according to the latitude. Use fresh horse-manure and add to this, if possible, one-third to one-half of its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed.

In two or three days fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain until the second fermentation commences. Make a pit 2 1/2 feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be located in a dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3 x 6 feet, and one or two sashes will give early plants enough for a small family. The frame of the bed should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Crosspieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames.

When everything is ready, the manure is placed in the pit and trodden down firmly in layers to the required depth, 2 to 2 1/2 feet. Then put on the sashes and keep the pit closed until the heat arises. At first it will probably be 100° or more, which is too hot to sow the seed in; but in two or three days it will subside to 90° or a little less, when the soil may be put on to the depth of 6 to 8 inches. Try the heat by plunging a thermometer into the manure.

The soil should be of well-rotted sod (or common garden soil will do), mixed with about a third of fine old manure; and in this the seeds may be sown thinly in drills 2 to 3 inches apart and afterward (as soon as out of the seed-leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back.

Water with tepid water whenever necessary, and during cold nights and snow-storms keep covered with mats or board shutters. Tomatoes, Peppers and Eggplants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat.

Hotbeds may be made on the surface of the ground, if the manure extends a foot wider on all sides than the frame.

Do You Need a Gardener? At all times we have on our books the names of capable men in search of employment on private estates, farms and the like, and all persons in search of help are cordially invited to call upon us at any time for such men. Gardeners and Superintendents desiring positions are requested to call here, or drop us a line for application blanks.
Novelties and Specialties in Vegetable Seeds

New Early Cabbage, Copenhagen Market

GENUINE DANISH-GROWN SEED

Undoubtedly the finest, large, round-headed early Cabbage. The heads average about ten pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves light green, rather small, and always tightly folded. The plants, therefore, can be set closer together than is usual with varieties of similar size. Pkt. 10 cts., oz. 35 cts., ½ lb. $1, lb. $3.50.

Early Jersey Wakefield Cabbage

THORBURN'S SELECTED STOCK

Undoubtedly the finest strain of this most popular, well-known early Cabbage in cultivation. The heads are extremely solid, pyramidal in shape, with very little outside foliage. Pkt. 10 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.

Extra-Early Nordheim Sweet Corn

The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 feet high, each bearing three or four nearly perfect ears of finest quality. On style of Minnesota, but far exceeding that variety in the deliciousness of its flavor, as well as in earliness and productiveness. Pt. 25 cts., qt. 40 cts., ½ pk. $1.25, pk. $1.75.

Golden Evergreen Sweet Corn

Late; very sweet, round grains. Pt. 20 cts., qt. 30 cts., ½ pk. 90 cts., pk. $1.60.

Cucumber, Black Spine

Extra long; prolific; very fine sort. Pkt. 10 cts., oz. 20 cts., ½ lb. 40 cts., lb. $1.50.

Cucumber, Thorburn's Noroton Selected White Spine

A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine-grained, tender and of delicious flavor. Vigorous, healthy grower. A splendid sort for the home garden, and absolutely without an equal for market. Pkt. 10 cts., oz. 20 cts., ½ lb. 40 cts., lb. $1.50.

Delicious Gold-Lined Rocky Ford Cantaloup

Said to be the acme of perfection. Slightly oval; flesh thick, fine-grained and sweet; heavily netted over the entire melon. Pkt. 10 cts., oz. 25 cts., ½ lb. 75 cts., lb. $2.50.
**Thorburn’s Gilt-Edge Golden Self-Blanching Celery**

Golden Self-blanching is the variety of Celery par excellence, and we can recommend our strain with every confidence. The chief characteristics of this sort are its self-blanching qualities and the beautiful waxy yellow appearance of the stalks. It is of compact, heavy growth and produces stalks that are brittle and crisp in the extreme and hearts that are large and solid. Pkt. 20 cts., oz. $1.25, ½lb. $4, lb. $15.

**Thorburn’s Big Boston Lettuce, Improved**

Our strain of this well-known and most popular sort is without doubt the finest in existence. It is too well known to require any lengthy description. It is sufficient to say that it is equally valuable for growing in greenhouses for winter use, in frames for spring, or for sowing the seed in the open ground for use in summer and fall. It is unequaled by any other variety for crispness and tenderness; produces large, solid heads with few outside leaves, and stands long before running to seed. See illustration of a head of Big Boston Lettuce, Improved, on page 28. Pkt. 5 cts., oz. 15 cts., ½lb. 35 cts., lb. $1.25.

**New Orchid Lettuce**

The famous Orchid Salad used in many of the highest-class restaurants of New York. Golden yellow leaves with brown-red spots; solid and tender; the center leaves, just before making a head, strongly resemble orchid flowers on account of their coloring and formation. Should be cut as the orchid center develops, that is, when the plants have attained about one-quarter of their full growth. Pkt. 10 cts., oz. 40 cts., ½lb. $1.25, lb. $4.

**Onion, Marvel of Pompeii**

A small white Italian sort, two weeks earlier than Barletta. Pkt. 5 cts., oz. 15 cts., ½lb. 35 cts., lb. $1.25.

**Gradus Pea**

Finest of all extra-early sorts; pods very large and well filled with large, wrinkled, deep green Peas of the finest quality. Pt. 20 cts., qt. 35 cts., ½pk. $1.25, pk. $2.

**Thomas Laxton Pea**

A cross between Gradus and another extra-early sort. Very early and very productive; the pods are large and contain seven or eight large, wrinkled Peas of the finest quality. Pt. 20 cts., qt. 35 cts., ½pk. $1.25, pk. $2.

**Te Aroha, or Good Luck Pea**

Fine, dark green foliage; large pods; Peas of superb flavor. Pt. 25 cts., qt. 40 cts., ½pk. $1.35, pk. $2.25.

**Thorburn’s Improved Terra-Cotta Tomato**

An improvement on this very valuable sort introduced by us a number of years ago. It is quite distinct as to color, the pronounced terra-cotta being carried through almost to the very heart of the fruit. It is of delightfully tender flesh with almost no core and nearly free from acidity. It produces medium-sized Tomatoes, solid and firm, particularly desirable for slicing. A very handsome sort. Pkt. 10 cts., oz. 30 cts., ½lb. 85 cts., lb. $3.

**French Globe Artichoke Roots**

Large, extra-strong roots of the green incurved variety, with a section of the parent stem attached. These ‘suckers’ are taken from selected plants, insuring a high-grade product, which cannot be had from the ordinary seedling stock. 25 cts. each, $2.50 per doz.
Flower Seed Novelties and Specialties of Merit

**Aster, Giant “Maiden’s Blush”**
A beautiful light salmon-pink; extra-large, full-double flowers. The plant is of branching habit, about 18 inches in height and very free-flowering. A fine market flower. Pkt. 20 cts.

**Alyssum Benthamii compacta lutescens**
Dwarf, compact, upright growth, with yellowish flowers; useful for carpet-bedding or ribboning. Pkt. 20 cts.

**Elegance Aster (hA)**

*In Splendid Mixture*

The first really beautiful single Aster. The growth is vigorous and the habit quite pyramidal. The flowers have very long, elegantly waved petals, and a very small yellow center only; each borne on a long, firm stem. It is astonishingly floriferous, and is extremely valuable either for bedding or for cut-flowers. The flowers last in water one to two weeks. Pkt. 15 cts.

**Aster, Single Japanese (hA)**

This Aster is of a branching habit, which is greatly in its favor as a cut-flower, it having a fine, long stem. The central disc of the flower is encircled by a wreath of long, quilled ray petals either white or delicate rose.

White, pkt. 20 cts.
Delicate Rose, pkt. 20 cts.

**Aster perennis hybridus semiplenus (hP)**
Semi-double Michaelmas Daisies or Hardy Asters

A fine new strain of semi-double varieties of this popular flower. It contains a mixture of beautiful shades. Pkt. 25 cts.

**Antirrhinum nanum grandiflorum, “Mauve Beauty”**

A unique color in Antirrhinums and quite a new break. The color is a lovely shade of pale clear mauve; the flowers are large and the habit of the plant all that can be desired. A welcome addition to the Nanum type. Pkt. 20 cts.
New Cardinal Climber (hA)  
(Ipomoea Quamoclit hybrid)  
This beautiful annual is the result of a cross between Ipomoea coccinea and the Cypress Vine (Ipomoea Quamoclit). It is one of the best introductions as regards an annual climber for many years. It is a strong and rapid grower, attaining a height of from 20 to 30 feet, and is of a branching habit. It flowers perpetually from July until frost, the foliage is deeply laciniated, and the flowers are borne in clusters of five to seven, and are of a fiery cardinal-red. It is well worth trying. Pkt. 25 cts.

Centauraea moschata rosea (hA)  
This new, beautiful annual Sweet Sultan is 2½ to 3 feet high, with flowers of a very delicate rosy white, and light pink stamens and style; the flowers are about the same size as the white and purple varieties, and will make fine flowers for cutting. Pkt. 25 cts.

Calliopsis radiata, "Tiger Star"  
(hA)  
A rich and continuously blooming annual, with peculiarly colored dark brown and golden yellow tigered flowers, the petals of which are curiously twisted like the cactus dahlia. Of easy culture, growing in ordinary garden soil, and producing its strikingly colored flowers in great abundance all summer. Grows 8 inches high and forms a round, compact bush. The unique form and coloring of the flowers will appeal to those who like oddities. Pkt. 15 cts.

Cosmos, White Lady Lenox  
An exact counterpart in every particular, except as to color, of the favorite Pink Lady Lenox Cosmos. Well worth a trial by all lovers of these splendid annuals. Pkt. 25 cts.

Delphinium chinense grandiflorum  
violaceum rubrum (hP)  
This strain of Delphinium (D. chinense) has had only two colors up to this time, viz. blue and white. We offer a new color—violet-red. The flowers are large, and form in clusters on fine, long stems; the plant attains a height of 3 feet, and should gain the favor of many owners of gardens. Pkt. 25 cts.

Delphinium Pauli  
A new perennial hardy Larkspur from East Africa. The plants form loosely branched bushes, 1½ to 2 feet in height, with wire-like, stiff stems and branches bearing pure white flowers, 1½ to 1¾ inches in diameter, with spurs of equal length; the stamens are dark violet-brown. A feature of this new Delphinium is the intense, sweet, eucharis-like scent of the flowers. Pkt. 20 cts.
**Dimorphotheca aurantiaca hybrida**

**fl. pl.** (hA)

**Double-Flowering African Daisy**

This is the double and semi-double form of the African Golden Daisy hybrids which we offered last season. As the single form gave such entire satisfaction, we feel sure that this novelty will do likewise. Pkt. 25 cts.

**Eryngium hybridum spectabile** (hP)

This beautiful strain of “Silver Thistle” is a great improvement on the *Eryngium giganteum*, being of far more vigorous growth. This hybrid has some beautiful colors in it, ranging from ivory-white to light lilac, sky-blue and deep violet. The quaint, bizarre flowers are most interesting, and everyone who fancies perennial plants should try this. Pkt. 25 cts.

**Gazania longiscapa**

A magnificent annual from South Africa. Forms round bushes about 8 inches in height, with dark green foliage, and covered with large, long-stemmed flowers of a lovely golden-yellow with unique brown markings. Blooms continuously all through the season; of the easiest culture; succeeds best in a sunny location. Pkt. 25 cts.

**Gypsophila paniculata flore pleno** (hP)

By repeated artificial crossing of the double-flowering variety and the single-flowering type, seeds of this handsome perennial have been obtained which produce about 50 per cent of double-flowering plants. The flowers are of the purest white, and are indispensable for bouquets and vases. Pkt. 50 cts.
**Myosotis alpestris elegantissima**  
*coerulea flore pleno* (hP)  
**Double Blue Forget-me-not**

A new double-flowered variety of the blue pyramidal Alpine Forget-me-not, coming nearly true from seed. Height of the plant, 8 to 9 inches. The double flowers preserve their freshness for a long time. Pkt. 25 cts.

**Nasturtium Lobbianum, Ivy-Leaved, “Emma Alida”**

Dark, ivy-leaf-shaped foliage, with golden yellow and orange to deep scarlet, laciniated flowers; very lively colors. Pkt. 15 cts.

**Virginia Poppy** (hA)  
*Papaver somniferum*

This new, large-flowering, single Poppy produces beautiful, large, white flowers with fringed, soft pink edges. They are especially recommended for cut-flowers, for they last long in vases, especially when cut in the morning before they are full blown. Pkt. 15 cts., 2 pkts. 25 cts.

**Snapdragon, Majus nanum, Rembrandt**

Rembrandt is a quite new addition to this popular flower. It makes a fine spike, bearing flowers of a fiery scarlet, with white throats; the underlip is in three parts and each shows a distinct, sharply bordered, golden yellow spot. Pkt. 25 cts.

**Sunflower, Miniature, “Golden Fleece”**

The cactus-shaped flowers of this variety are of a clear golden yellow with a dark center; the height of the plant is about 3 to 3 ½ feet, with long stems; excellent for cutting. Pkt. 15 cts.

**Verbena grandiflora, “Helen Willmott”**

A very pretty, bright salmon-rose, with white eye. The seed produces plants with flowers many of which are of the true “Helen Willmott” color, with a percentage of varied shades, which are also very fine both in color and size. Pkt. 25 cts.

**Zinnia, Double Mammoth-Flowering** (hA)

A new and distinct class of this ever-popular flower, producing large, very double blooms, from 4 ½ to 6 inches in diameter. We offer five distinct colors, viz., Crimson, Flesh-color, Sulphur-Yellow, Violet and White. Each color and mixed, pkt. 15 cts. Collection of five varieties, one pkt. of each color, 60 cts.

**Dahlia Roots**

A fine selection of all sorts mixed, from our trial-grounds. Extra-strong Clumps, 20 cts. each, $2 per doz.

**Japan Iris**

Mixed. From a superb collection of large-flowered sorts. 15 cts. each, $1.50 per doz., $11 per 100.
CATALOGUE OF HIGH-CLASS SEEDS

Collections of Vegetable Seeds

Only the choicest sorts are put into these assortments, and they are picked out so as to give a continuous supply of vegetables from your garden all season.

The amount charged for these collections is considerably less than you would pay for the individual seeds, on account of the fact that we are able to put them up during the slack winter months.

Owing to this, we cannot permit any alterations in the varieties, and the reduced price will not be allowed unless the collection is taken in full and without change.

COLLECTION NO. A, $1 (including free delivery)

This collection was gotten up primarily for rather small gardens, such as back-yard gardens and the like.

| ½ " Beans, Golden Wax. | ½ " Leek, Best Flag. |
| ⅛ pa. Beet, Egyptian. | ⅛ " Lettuce, Big Boston. |
| ⅛ " " Cabbage, Early Wakefield. | ⅛ " Onion, White Globe. |
| ½ " " Globe. | ½ " oz. Radish, Scarlet Turnip. |
| ½ " " Leek, Best Flag. | ½ " " Spinach, Virolay. |
| ½ " " Lettuce, Big Boston. | ½ " pa. Turnip, Snowball. |

COLLECTION NO. 1, $2.50 (including free delivery)

Gotten up for a family of two or three persons. It is a rather complete list of varieties.

| ½ " " Early Valentine. | ½ " Stowell's Evergreen. |
| ½ " " Stringless Green-Pod. | ½ " Cucumber, Imp. White Spine. |
| ½ " " Challenger Lima. | ½ " Eggplant, Imp. N. Y. Purple. |
| ⅛ oz. Beet, Eclipse. | ½ " Kohlrabi, Early White Vienna. |
| ⅛ " " Egyptian. | ½ " Leek, Best Flag. |
| ½ " " Globe. | ½ " " Lettuce, Big Boston. |
| ½ " " " Ballhead. | ½ " " May King. |
| ½ " " Thorburn Private Stock Flat Dutch. | ½ " " Cos or Romaine. |
| ½ oz. Carrot, Half-Long. | ½ " " Giant Crystal Head. |
| ½ " " St. Valery. | ½ " " Melon, Netted Gem. |
| ½ " Cauliflower, Thor. Gilt-Edge. | ½ " " Long Island Beauty. |
| ½ " Celery, White Plume. | ½ " " Water, Black Spanish. |
| ½ " " Fin de Sicle. | ½ " oz. Okra, Perkins' Improved. |
| ½ pt. Corn, Early Bantam. | ½ " " Onion, White Globe. |
| ½ " " " White-tipped. |
| ½ " " " Scarlet Turnip. |
| ½ " " " Scarlet Globe. |
| ½ " " " Hubbard. |
| ½ " " " Tomato, Early June Pink. |
| ½ " " " Turnip, Snowball. |
| ½ " " " " Thorburn Rutabaga. |
| ½ " " " " Yellow Globe. |

COLLECTION NO. 2, $5 (including free delivery)

This assortment is suitable for a family of approximately five persons.

| 1 " " Early Valentine. | 1 " " Metropolitan. |
| 1 " " Golden Wax. | 1 " " Stowell's Evergreen. |
| 1 " " Stringless Green-Pod. | 1 " " Cucumber, Imp. White Spine. |
| 1 " " Challenger Lima. | 1 oz. Eggplant, New York Purple. |
| 2 ozs. Beet, Egyptian. | 1 " Kohlrabi, Early White Vienna. |
| 2 " " Globe. | 1 " Leek, Best Flag. |
| 2 " " Half-Long. | 1 " " Lettuce, Big Boston. |
| ½ oz. Carrot, Half-Long. | 1 " " May King. |
| ½ oz. Cabbage, Early Wakefield. | 1 " " Cos or Romaine. |
| ½ " " Ballhead. | 1 " " Giant Crystal Head. |
| ½ " " Thorburn Private Stock Flat Dutch. | 1 " " Melon, Netted Gem. |
| ½ oz. Carrot, Early French Forcing. | 1 " " Long Island Beauty. |
| ½ oz. Celery, Fin de Sicle. | 1 oz. Okra, Perkins' Improved. |
| ½ " " White Plume. | 1 " " Onion, White Globe. |
| ½ " " Golden Self-blanching. | 1 " " " Large Red Globe. |
| ½ qt. Corn, Early Bantam. | 1 " pa. Parsley, Extra Curled. |
| ½ " " Cory. | 1 " pa. Peas, Thor. Ex-E'y Market. |
| 1 " " French Spinach. | 2 ozs. Parsnip, Hollow Crown. |
| 1 " " Cress or Pepper Grass. | 1 " " each Peas, Three Best Wrinkled. |
| 1 " " Eggplant, Imp. N. Y. Purple. | 1 " " " Scarlet Turnip. |
| 1 oz. Onion, White Globe. | 1 " " " Scarlet Globe. |
| 1 " " Radish, White-tipped. | 1 " " " Hubbard. |
| 1 " " " " Yellow Globe. |

COLLECTION NO. 3, $10 (including free delivery by express)

Will make an excellent garden for a farm or country estate desiring to put about one acre under cultivation for vegetables.

| 1 qt. Beans, Refugee Green-Pod. | 1 oz. Corn, Stowell's Evergreen. |
| 1 " " Golden Wax. | 2 " " Cress or Pepper Grass. |
| 1 " " Stringless Green-Pod. | 1 " " Cucumber, Imp. White Spine. |
| 1 " " Challenger Lima. | 1 " pa. Eggplant, Imp. N. Y. Purple. |
| 2 " " Globe. | 1 " Kohlrabi, Early White Vienna. |
| 2 " " Half-Long. | 1 " pa. Leek, Best Flag. |
| ½ oz. Brussels Sprouts, Dalkeith. | ½ oz. Lettuce, Big Boston. |
| ½ oz. Cabbage, Early Wakefield. | ½ " " May King. |
| ½ " " Ballhead. | ½ " " Cos or Romaine. |
| ½ " " Thorburn Private Stock Flat Dutch. | ½ " " Giant Crystal Head. |
| ½ " Carrot, Early French Forcing. | 1 oz. Melon, Long Island Beauty. |
| ½ " Cauliflower, Thor. Gilt-Edge. | 1 " " Water, Black Spanish. |
| ½ " Celery, Fin de Sicle. | 2 ozs. Onion, Yellow Danvers. |
| ½ " " White Plume. | 2 " " " Large Red Globe. |
| ½ qt. Corn, Early Bantam. | 2 " “ " White Globe. |
| ½ " " Cory. | 2 " " Parsley, Extra Curled. |
| 1 " " " Sugar Snap Peas. | 1 oz. " " " Scarlet Turnip. |
| 1 " " " Sugar Snap Peas. | 1 " " " Scarlet Globe. |
| 1 " " " Sugar Snap Peas. | 1 " " " Chinese Winter. |
| 1 " oz. Radish, White-tipped. | 1 pa. Hubbard. |
| 2 " " Scarlet Turnip. | 1 pa. Tomato, Early June Pink. |
| 2 " " Scarlet Turnip. | 1 oz. Turnip, Snowball. |
| 1 " " " Thorburn Rutabaga. | 1 oz. Turnip, Snowball. |
| 1 " " " Yellow Globe. | 1 " " Snowball. |
| 1 " each Herbs, Five Varieties. | 2 ozs. " Sunflower, Black Spanish. |
COLLECTIONS OF VEGETABLE SEEDS, continued

**COLLECTION NO. 4, $19**  (Including free delivery by express)

If your needs require quite a quantity of fresh vegetables, and you have around three acres that you wish made into a garden, you could not do better than to buy this collection. There are quite a number of private estates and farms that are now doing away with the trouble of going through lengthy lists of vegetables suitable to their needs, and are leaving the matter to our judgment. This collection represents our recommendation as to just what should be used, with the exact quantities for planting approximately three acres, and getting the most out of the land.

| 1 oz. Carrot, Early French Forcing | 1 oz. Kohlrabi, Early White Vienna. |
| 1 oz. Cauliflower, Thorburn Gilt-Edge. | 1 oz. Lettuce, Big Boston. |
| 1 oz. White Pumle. | 1 oz. Onion, Yellow Danvers. |
| 2 qts. Corn, Early Bantam. | 4 oz. Okra, Perkins' Improved. |
| 4 ozs. Egyptian. | 1 oz. Pepper, Chinese Giant. |
| Brussels Sprouts, Dalkeith. | 4 ozs. Radish, White-tipped. |
| Cabbage, Early Wakefield. | 4 ozs. Scarlet Turnip. |
| Savoy, Early. | 2 ozs. Early White Turnip. |
| Thorburn Private Stock Flat Dutch | 4 ozs. Scarlet Globe. |
| Carrot, Early French Forcing | 4 ozs. Salsify, Mammoth Sandwich Island. |
| Half-Long. | 1 lb. Spinach, New Zealand Summer. |
| Long Orange. | 1 oz. Squash, E'y Bush Cr'kneck. |
| Cauliflower, Thorburn Gilt-Edge. | 1 oz. Hubbard. |

**CHOICE COLLECTIONS OF FLOWER SEEDS**

(FREE BY MAIL)

**Collection of 12 varieties of Dwarf Annuals**, 1 packet each, as follows.......................... $9000 50 cts.

- Asters, Mixed
- Candytuft, Mixed
- Convolvulus, Dwarf, Mixed
- Escholtzia, Mixed

Larkspur, Dwarf Rocket, Mixed
Marigold, Dwarf French, Mixed
Mignonette, Dwarf, Mixed
Nasturtium, Dwarf, Mixed

**Collection of 12 varieties of Tall Annuals**, 1 packet each, as follows.......................... $9020 50 cts.

- Centaurea cyanus, Mixed
- Clarkia, Mixed
- Collomia, Mixed
- Cosmos, Mixed

Larkspur, Tall Rocket, Mixed
Lupinus, Mixed
Marigold, African, Mixed
Malope, Mixed

**Collection of 24 varieties of Annuals**, 1 packet each, all carefully selected in pictorial pkts... $9050 $1

**Collection of 12 varieties of Dwarf Perennials**, 1 packet each, as follows.......................... $93080 $1

- Alpina pinifolia
- Arabis alpina
- Campanula grand. Mariesii
- Alyssum saxatile compactum

Candytuft gibraltarica
Gypsophila cerastoides
Leontopodium (Edelweiss)

**Collection of 12 varieties of Tall Perennials**, 1 packet each, as follows.......................... $93120 85 cts.

- Aquilegia, Mixed
- Centaurea candidissima
- Coreopsis
- Delphinium, Mixed

Foxglove
Gallardia
Galega
Lupinus polyphyllus

**Collection of 12 varieties of Everlastings**, 1 packet each.............................. $93140 50 cts.

- Asparagus plumosus nanus
- Begonias, Single, Tuberosus-rooted
- Cineraria hybrida, Mixed
- Calceolaria hybrida, Large-dowered, Self-colored

Cleome, Fine Hybrids
Cyclamen giganteum, Mixed
Heliotrope
Primula obconca grandiflora hybrida, Mixed

**Collection of 12 varieties of Greenhouse Seeds**, 1 packet each, as follows.......................... $93180 $2

- Asparagus plumosus nanus
- Begonias, Single, Tuberosus-rooted
- Cineraria hybrida, Mixed
- Calceolaria hybrida, Large-dowered, Self-colored

Coleus, Fine Hybrids
Cyclamen giganteum, Mixed
Heliotrope
Primula obconca grandiflora hybrida, Mixed

**Collection of 12 varieties of Annuals for Bees**, 1 packet each.............................. $93200 50 cts.
Vegetable Seeds

Please notice that we pay postage or express charges on all garden seeds ordered by the packet, ounce and quarter-pound. If larger quantities are ordered to be sent by mail, add postage at zone rates. See pages 11 and 12 of this Catalogue for COMPLETE COLLECTIONS OF VEGETABLE SEEDS of approved and choice sorts for from $1 to $19, and page 12 for CHOICE COLLECTIONS OF FLOWER SEEDS.

ARTICHOKE

CULTURE.—Deep, rich, sandy loam with plenty of well-rotted manure. Sow seeds in April or May, and when plants are large enough, transplant into rows 3 to 4 feet apart and 2 feet in the rows. They reach maturity the second year. When cold weather sets in, bank the earth to the top, first cutting off and tying up the leaves so that they will occupy less space, and in the spring fork in a dressing of manure. Artichoke may also be treated as an annual by sowing the seed in hotbeds during February and transplanting in May. The heads should be cut off and used as they get ready. If left to ripen on the plant, they will exhaust it, and no more will be produced that season. Heads are unfit for culinary purposes after the flowers expand.

French Green Globe. (Seed.) The standard sort. Oz. 4 lb. Lb. 
ptk. 10c...110 $0 40 $1 25 $2 40
Jerusalem Artichoke Roots. Oz. 25 cts.
FRENCH GLOBE ARTICHOKE ROOTS. (Ready in April.) Extra-large, strong roots, from selected plants,—not seedling plants, which rarely come true. 25 cts. each, $2.50 per doz.

ASPARAGUS

CULTURE.—Sow the seed thinly in rows 1 foot apart in April or May (4 or 5 lbs. to the acre), and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 3 feet wide, three rows in a bed, the outer being each 1 foot from the edge, and allow 18 inches between the rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For market, on a large scale, set out 4 by 1 1/2 feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris green. Asparagus from seed does not always come true to name.

Colossal. The approved standard sort. The famous Argenteuil of the French is identical with it. Oz. 3 1/4 lb. Lb. 
170 $10 $15 $40
Palmetto. Of southern origin; a very desirable, bright green Asparagus. 180
Bonnalette’s Giant. An improved Palmetto, said to produce larger stalks. 190
Columbian Mammoth. Very large shoots. 200

All 5 cts. per packet

ASPARAGUS ROOTS

Plant either in spring or fall

Colossal. 2-year-old roots. 50 100 1,000
4-year-old roots. For forcing 1 2 00
Columbian Mammoth. 2-year-old roots. 60 1 00 7 00
Barr’s Mammoth. 2-year-old roots. 60 1 00 7 00
 Giant Argenteuil. 2-year-old roots. 60 1 00 7 00
Palmetto. 2-year-old roots. 60 1 00 7 00

In France a business is now made of growing small, green, delicate shoots of Asparagus during the winter. Strong roots may be forced in hotbeds out-of-doors. They should be packed closely into the frames, and by making a new bed every five or six weeks these tiny shoots may be had all winter and are valuable served with omelets, green peas, etc.

BORAGUS

Boucraùche

The young leaves of this annual, which smell somewhat like a cucumber, are used as a salad, or boiled like spinach. Should be sown at intervals, as the leaves are palatable only when young. Sow in the spring, in light soil, transplant in shallow drills, a foot apart, when of six weeks’ growth. 240. Pkt. 5c., oz. 10c., 1/4 lb. 30c. lb. $1.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
BEANS

As a farinaceous food for man, the Bean is considered far superior to any other legume, and next in importance to wheat. The modern varieties leave little to be desired; the great care given to their improvement has resulted in superior sorts, greatly extending the season of use, as well as varying the flavor.

CULTURE.—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the Beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession. One quart to 100 feet of drill; one bushel to the acre, in drills.

**DWARF GREEN-PODDED SNAP BEANS**

<table>
<thead>
<tr>
<th>Haricots Nains</th>
<th>Frijoles</th>
<th>Strüpp-Bohnen</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bountiful.</strong> Extra early, very prolific and long-bearing; flat, green pods, tender and stringless..................</td>
<td>$310</td>
<td>$0.20</td>
</tr>
<tr>
<td><strong>China.</strong> White, pink eye; early and bears long, flat pods ..................</td>
<td>314</td>
<td>15</td>
</tr>
<tr>
<td><strong>Dwarf Horticultural.</strong> Late and productive; broad, flat, stringless pods.</td>
<td>320</td>
<td>25</td>
</tr>
<tr>
<td><strong>Full Measure.</strong> Large, round pods, firm, tender, sweet and entirely stringless. Fine shipper and keeper.</td>
<td>340</td>
<td>25</td>
</tr>
<tr>
<td><strong>Fulmer Forcing.</strong> A fine, dwarf, forcing variety</td>
<td>343</td>
<td>50</td>
</tr>
<tr>
<td><strong>Goddard, Improved</strong> (Boston Favorite). Long, flat pods; stringless; very prolific; late. Can also be used as a shell Bean</td>
<td>360</td>
<td>25</td>
</tr>
<tr>
<td><strong>Green-seeded Flageolet.</strong> Used as a shell Bean when green for many exquisite French dishes. Beans tender and of fine flavor.</td>
<td>370</td>
<td>25</td>
</tr>
<tr>
<td><strong>Hodson Green-Pod.</strong> A green-podded form of Hodson Wax</td>
<td>380</td>
<td>15</td>
</tr>
<tr>
<td><strong>Longfellow.</strong> Long, straight, round, solid, green pods; very early</td>
<td>390</td>
<td>20</td>
</tr>
<tr>
<td><strong>Low’s Champion.</strong> Large, flat pods, stringless; fine flavor; early</td>
<td>400</td>
<td>20</td>
</tr>
<tr>
<td><strong>Mohawk.</strong> Long, flat, straight pods; early; very productive</td>
<td>420</td>
<td>15</td>
</tr>
<tr>
<td><strong>Refugee Late, or 1,000-to-1.</strong> Medium to late, productive and tender; round pods</td>
<td>440</td>
<td>25</td>
</tr>
<tr>
<td><strong>Refugee, Thorburn Extra-Early.</strong> Has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. Beans extra fine and borne profusely.</td>
<td>450</td>
<td>25</td>
</tr>
<tr>
<td><strong>Refugee, Stringless.</strong> Stringless at all stages of development.</td>
<td>470</td>
<td>25</td>
</tr>
<tr>
<td><strong>Six Weeks, Long Yellow.</strong> Early; full, flat pods.</td>
<td>480</td>
<td>20</td>
</tr>
<tr>
<td><strong>Six Weeks, Round Yellow.</strong> Full, green, roundish pods; early and productive; fine flavor.</td>
<td>485</td>
<td>20</td>
</tr>
<tr>
<td><strong>Stringless Green-Pod.</strong> Extra early; stringless; prolific; round pods.</td>
<td>490</td>
<td>25</td>
</tr>
<tr>
<td><strong>Stringless Green-Pod Giant.</strong> Improved long-podded strain of above.</td>
<td>500</td>
<td>25</td>
</tr>
<tr>
<td><strong>Valentine, Extra-Early.</strong> Round, thick, solid pods; tender; fine flavor.</td>
<td>520</td>
<td>20</td>
</tr>
<tr>
<td><strong>Valentine, Black.</strong> Resembles the Valentine, but with black seed; long, round solid pods; very tender and of good flavor; very early.</td>
<td>540</td>
<td>25</td>
</tr>
</tbody>
</table>

**STRINGLESS GREEN-POD GIANT BEANS**

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
ENGLISH DWARF BEANS

**FEVE DE MARIAS Haba Große Boehm**

**CULTURE.**—Sow in drills 2 feet apart, as early in the spring as the ground can be worked (these are as hardy as peas), in order to get them into pod before the heat of summer. When in pod, break off the top of the plant to check the growth. Plant and hoe the same as for Dwarf Beans. A strong soil suits them best.

Properly cooked, these Beans form one of the most delicious vegetables. To each half gallon of water allow one heaped tablespoonful of salt. The Beans should be young and freshly gathered. After shooting, put them into boiling water, salted as above. Boll rapidly for fifteen or twenty minutes, then serve with a sauce of parsley and butter. Boiled bacon is often served with the Beans.

**Broad Windsor.** Largest and best of the class.........................$650 $0 15 $0 30 $1 00 $1 75

---

**DWARF WAX BEANS**

We supply packets of all Dwarf Wax Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
<th>Pt.</th>
<th>Qt.</th>
<th>1/2pk</th>
<th>Pk.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Wax, Improved Prolific</td>
<td>$0.75</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Black Wax, Currie's Rust-proof</td>
<td>$0.75</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Black Wax, Pencil-Pod</td>
<td>$0.75</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Davis Kidney Wax</td>
<td>$0.80</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Golden Wax, Improved</td>
<td>$0.80</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Golden-eyed Wax</td>
<td>$0.80</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>Hodson Wax</td>
<td>$0.80</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
<tr>
<td>New Kidney Wax (Burpee)</td>
<td>$0.80</td>
<td>25</td>
<td>45</td>
<td>1 50</td>
<td>2 50</td>
</tr>
</tbody>
</table>

**Refugee Wax, Thorburn's Stringless**

A perfect Refugee, with brittle, wax pods; for early or late sowing; immense yielder; late........$0.80

**Round-Pod Kidney Wax** (Brittle Wax)

Same as Wardwell's Kidney, but with round pods; late; stringless........$0.80

**Sure-Crop Stringless Wax**

Stringless, long, flat pods; abundant cropper.....$0.80

**Valentine Wax, Thorburn's**

Round pod; prolific..................$0.80

**Wardwell's Kidney Wax**

Early; long, flat, purely wax pods; stringless..........$0.80

---

**DWARF LIMA BEANS**

We supply packets of these Beans at 10 cts. each, postpaid; other quantities, NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

**Thorburn's Dwarf Lima.** (The True Kumerle Strain.) The dwarf form of our famous Challenger Lima—the finest of all Limas. It possesses the flavor of the genuine Challenger Lima. The Beans are extra large, and are a pure creamy white; very tender. They cook very mealy and form an excellent dish ..................$1.00

**Burpee's Bush Lima.** A bush form of the large, flat Pole Lima, growing only 18 to 20 inches high. The Beans are borne very profusely. ....$1.00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
**DWARF LIMA BEANS, continued**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Price</th>
<th>Qt.</th>
<th>1/4pk.</th>
<th>Pk.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burpee's Improved Bush Lima</td>
<td>A strain of Burpee's Bush Lima, having much larger pods and beans</td>
<td>$0.25</td>
<td>50</td>
<td>5.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Fordhook Bush Lima</td>
<td>Immense pods and Beans; a strong grower and very prolific</td>
<td>$0.30</td>
<td>50</td>
<td>1.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Henderson Bush Lima, or Dwarf Sieva</td>
<td>Productive; Beans somewhat smaller than the others but of fine quality</td>
<td>$0.20</td>
<td>50</td>
<td>1.25</td>
<td>2.25</td>
</tr>
<tr>
<td>New Wonder Bush Lima</td>
<td>Early and productive; similar to Burpee's Bush Lima</td>
<td>$0.25</td>
<td>50</td>
<td>1.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Wood's Prolific Bush Lima</td>
<td>The Early Sieva, or Butter Bean of the South. Very productive</td>
<td>$0.20</td>
<td>50</td>
<td>1.25</td>
<td>2.25</td>
</tr>
</tbody>
</table>

**POLE or RUNNING BEANS**

*Haricots a Rames Frijoles de Bajo Stangen-Böhnen*

We supply packets of Pole Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

Culture.—Sow as the soil becomes warm and dry, from the first part of May (for all except Limas) to the latter part of May, in hills 4 feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five Beans to a hill, and of the smaller sorts, about 200 hills. Poles 8 to 10 feet long should be firmly set in the hills before planting seed.

**LIMA, THORBURN'S CHALLENGER.** Thick and productive; best of all... $0.25

**Lima, Carpinteria Pole.** Large; thicker than ordinary Pole Limas; vigorous grower... $0.20

**Lima, Ideal Pole.** Large, tender and of fine flavor; productive; like Large White Lima...

**Lima, Early Jersey.** Very early; Beans large and tender and average three to a pod...

**Lima, King of the Garden.** Large...

**Lima, Siebert's Early.** Very early; immense yelder; large-sized Beans, finest quality...

**Lima, Small Sieva or Carolina. Early...**

**Black German Wax.** Yellow pods...

**Dutch Case-Knife.** Pods long, green and flat; can be either snapped or shelled...

**Golden Cluster Improved Wax.** Long, golden yellow pods in clusters...

**Horticultural Pole.** Good as a snap or as a shell Bean; one of the old standards and still very popular...

**Horticultural Golden Carmine Wax-Pod.** Very handsome; large; stringless...

**Kentucky Wonder (Old Homestead).** Pods green; very long and flat; exceedingly prolific...

**Scarlet Runner.** (Crop failed.)

**Southern Creaseback.** Long, round, stringless pods; fleshy, tender and of good flavor...

**Southern Prolific.** A continuous bearer...

**Yard-Long French.** (Crop failed.)

*We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.*
BEET

Bassano. Early; light color; good. Oz. 3/4lb. Lb. sort. 1500 $0 15 $0 40 $1 25

CULTURE.—Sow as early in the spring as the ground can be worked (one ounce to 50 feet of drill, five or six pounds to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young Beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when of the size of a hickory nut.

Detroit Dark Red Turnip. Round; skin dark blood-red; flesh bright red. 1540 15 40 1 25

Dewing Early. Of fine form and flavor; good for market. 1550 15 40 1 25

Early Blood Turnip. Dark red; fine flavor; good for winter. 1560 10 30 1 00

EARLY YELLOW TURNIP. Very early; flesh deep orange-yellow; sweet and tender. 1564 20 60

Eclipse. Early; round; bright red. 1570 10 30 1 00

Edmund Blood Turnip. A market-gardeners' strain; regular in shape and of best quality. 1580 10 30 1 00

Egyptian. Extra early; flat. 1590 10 30 1 00

Egyptian, Crosby's. Extra early; round; dark blood-color. 1600 15 40 1 25

Half-Long Blood. Fine dark strain for winter. 1610 10 30 1 00

Lentz. Extra early; large; round; light red; small tops. 1618 10 30 1 00

Long Smooth Blood. (Out of ground.) A good late variety for winter. 1620 10 25 75

Long Blood. 1630 10 25 75

Model Red Globe. Early and smooth; very dark red; splendid sort. 1635 15 40 1 25

Trevis (Columbia). Red; early; flat. Fine sort for table. 1644 15 40 1 50

Witham Fireball. Brilliant red flesh, solid, sweet and crisp; fine quality; globe-shaped; very early. 1650 15 40 1 25

Swiss Chard, or Silver Beet. To be used same as spinach. 1690 10 25 75

Swiss Chard, or Silver Beet, Lucullus. Large leaves; tender and of fine flavor, dark green; pure white ribs. 1700 15 40 1 25

All 5 cents per packet

FOLIAGE BEET

These varieties are grown only for their handsome foliage, which is very ornamental and decorative.

Golden-veined Brazilian. 57340 $0 20 $0 40 $1 50

Scarlet-veined Brazilian. 57350 20 40 1 50

Crimson-veined Brazilian. 57360 20 40 1 50

Scarlet-ribbed Chilian. 57370 20 40 1 50

Yellow-ribbed Chilian. 57380 20 40 1 50

Dracaena-leaved. 57390 20 40 1 50

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
MANGEL-WURZEL AND SUGAR BEET
Runzelrüben

CULTURE.—As all Mangels require a deep soil in order to grow well, plow and subsoil at least 1 foot to 18 inches and apply plenty of rich stable or Thorburn’s Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies. Sow in addition, when the plants are 3 to 4 inches high, at the rate of 200 pounds of Complete Manure, 200 pounds of bone meal and 400 pounds of salt to the acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, Mangel-Wurzels should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and, as the cold increases, this should be replaced by about 6 inches of either salt hay, straw, seaweed or cornstalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 to 8 inches more of earth should be placed over it. By following up this gradual process of covering, all danger of heating will be obviated, and the roots will keep in perfect order. Sow from five to eight pounds to the acre.

MANGEL-WURZEL

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Half-Sugar Red-skinned</td>
<td>1850</td>
<td>$0.10</td>
<td>$0.25</td>
</tr>
<tr>
<td>Giant Yellow Intermediate</td>
<td>1860</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Golden Tankard Mangel-Wurzel</td>
<td>1870</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Golden Flesh Globe</td>
<td>1874</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Mammoth Long Red Mangel-Wurzel</td>
<td>1910</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Orange Globe</td>
<td>1930</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Yellow Ovoid</td>
<td>1950</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

SUGAR BEET

We recommend five to ten pounds to the acre.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klein Wanzleben</td>
<td>2000</td>
<td>$0.10</td>
<td>$0.25</td>
</tr>
<tr>
<td>Vilmorin, Improved</td>
<td>2010</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>White, Rose-Top.</td>
<td>2020</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>White, Green-Top.</td>
<td>2030</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Lane’s Imperial</td>
<td>2040</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

BROCCOLI

Broccoli  Brocoli  Spargelboh

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate the same as cabbage, in rich soil, and use the same remedies for insect attacks. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammoth White</td>
<td>2110</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
<tr>
<td>Purple Cape, Early</td>
<td>2120</td>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>Veitch’s Self-protecting</td>
<td>2130</td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

All 10 cents per packet

BRUSSELS SPROUTS

Chou de Bruxelles  Bresa de Brussels  Salatboh

CULTURE.—Sow in May, in the same manner as cauliflower, and transplant in July 1 foot apart in the rows which should be 1 1/2 feet apart. The Brussels Sprout is, without exception, the very best winter vegetable that can be grown. Not the least valuable point connected with it is that it is as hardy as the common, curled greens. The real Sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. Strip off the outer covering, cook them whole, and serve them in that fashion. When cooked through and no more, such Sprouts melt in the mouth like the tenderest cauliflower, and are equally good.

HERCULES. Early; dwarf habit, robust growth, with large, solid Sprouts that are borne thickly and are of fine quality. ptk. 10 cts. | 2160 | $0.40 | $1.15 | $4.00 |

Dalkeith. Of dwarf growth, producing large, solid Sprouts..... ptk. 10 cts. | 2190 | 25    | 60    | 2 00 |

BURNET

Pimpinella  Pimpinela  Himperelle

The leaves have a warm, piquant taste, and are useful for salads and soups. Sow early in the spring, half an inch deep, thinly in rows.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garden</td>
<td>2230</td>
<td>$0.05</td>
<td>$0.10</td>
</tr>
</tbody>
</table>

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
CAULIFLOWER

Chou-Fleur Coliflor Blumenkohl

CULTURE.—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil is dry, water frequently, and, if the plants have a heavy mulch of hay or straw, it will keep the soil moist, and they will not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as cabbage.

Thorburn's Extra-Early Dwarf Erfurt. The best and earliest for forcing; very dwarf and compact, with short stem and small leaves. The curd is very tender and exceedingly fine-flavored. Should not be confounded with entirely different sorts advertised... pkt. 50c...2250 $5.00

Large Early Erfurt. (Thorburn Selection.) Justly popular with market-gardeners for late crop.... pkt. 25c...2260 2 25 $8.00 $30.00

Thorburn's Gilt-Edge. Large, heavy sort, maturing immediately after our Large Snowball. Best of all. See Novelties.......

pkt. 25c...2270 2 00 7 50 28 00

Thorburn's Extra-Early Snowball. Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for open ground....

pkt. 25c...2280 2 00 7 50 28 00

Thorburn's Large Early Snowball. A large strain of the above... pkt. 25c...2290 2 00 7 50 28 00

Denmark. On the style of Large Erfurt; very fine.pkt. 20c...2300 1 50 5 50 20 00

Dwarf of Naples. Very white. pkt. 10c...2304 40 1 25 4 00

Earliest Giant of Naples. pkt. 10c...2306 40 1 25 4 00

Early Dwarf Algiers. pkt. 5c...2308 30 85 3 00

Extra-Early Paris. Heads of medium size; first-class. pkt. 10c...2310 50 1 75 6 00

Lenormand Short-Stem. Has very large heads; white and firm. pkt. 10c...2320 50 1 75 6 00

Large Algiers. Market-gardeners' popular late sort for the South. pkt. 10c...2330 50 1 75 6 00

Thorburn's Nonpareil. A first-class standard sort. pkt. 10c...2340 50 1 75 6 00

Early London. Large and hardy. pkt. 5c...2350 30 85 3 00

Autumn Giant. Vigorous in growth; very large; late.... pkt. 5c...2360 30 85 3 00

CABBAGE

Chou Berza de repollo Kohl

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or Thorburn's Complete Manure, excellent crops are sure to be grown. For early spring, sow in fall not too early, for the plants are liable to bolt in the spring, instead of heading. In a month the plants will be fit to transplant to coldframes, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety. If it is desirable to economize space, lettuce or radish may be sown between the rows, as they will be out of the way before the Cabbage needs the room. For late or winter crop, the seed is sown in May, and the plants set out in July. In this case, they are set in rows 2 by 3 feet, so as to work them with a horse and cultivator. To destroy the green worm, an experienced grower says: "Take one ounce of salt peter and dissolve it in twelve quarts of water; then take a short-handled whisk-broom, dip it in the solution and sprinkle the plants well. One application is sufficient unless the stuff is washed off by heavy rains. The liquid, being perfectly clear, never colors the cauliflower or Cabbage heads." To prevent the turnip flea attacking the young plants, sift fine air-slaked lime or tobacco dust over them as soon as they appear above ground.

COPENHAGEN MARKET. The finest, largest, round-headed, early Cabbage; very solid and of fine quality; short-stemmed. (See Novelties.) 2390 $0.35 $1.00 $3.50

All-Head. Very early and very solid; large.... 2394 30 85 2.75

Early Spring. Flat, extra-early; medium size.... 2410 25 60 2.00

Early York. The standard English sort. Splendid.... pkt. 5c...2420 15 35 1.25

Large Early York. Larger than the above. Splendid.... pkt. 5c...2430 15 35 1.25

All 10 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
### CABBAGE, continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>1/2 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EARLY JERSEY WAKEFIELD, THORBURN'S.</strong></td>
<td>The most popular early variety; heads very solid, pyramidal shape. See Novelties.</td>
<td>2460</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>Charleston Wakefield.</strong></td>
<td>Large strain of the above.</td>
<td>2464</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>ENKUIZEN GLORY.</strong></td>
<td>Large, early, white, solid, ball-shaped heads.</td>
<td>2470</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Early Winnigstadt.</strong></td>
<td>A standard second-early variety; very hard heads. A valuable market Cabbage.</td>
<td>pkt. 5c</td>
<td>2484</td>
<td>20</td>
</tr>
<tr>
<td><strong>Early Summer.</strong></td>
<td>Second-early; produces large, solid heads of finest quality and of fine flavor.</td>
<td>2490</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Fottler's Brunswick.</strong></td>
<td>Of dwarf, compact growth; hard and solid heads. Good for both intermediate and winter use.</td>
<td>2500</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Succession Improved.</strong></td>
<td>Excellent second-early sort; large, solid heads; very popular second crop.</td>
<td>2520</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>Large Late Flat Dutch.</strong></td>
<td>A valuable sort for market. One of the best-known winter Cabbages.</td>
<td>2540</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Thorburn Market-Gardeners' Private Stock Flat Dutch.</strong></td>
<td>Fine strain of the immense winter Cabbage grown on Long Island for market. Of the finest quality and flavor.</td>
<td>2560</td>
<td>30</td>
<td>85</td>
</tr>
<tr>
<td><strong>DANISH BALLHEAD WINTER, Short Stem.</strong></td>
<td>Very round, solid winter sort, largely grown in Denmark for the London market.</td>
<td>2580</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>DANISH BALLHEAD WINTER, Long Stem.</strong></td>
<td>Same as the preceding, but grows more clear of the ground.</td>
<td>2584</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Green Glazed.</strong></td>
<td>Glossy green; suitable for hot climates.</td>
<td>2590</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Red Berlin.</strong></td>
<td>Very fine; dark red; medium size.</td>
<td>2600</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>Red Mammoth Pickler.</strong></td>
<td></td>
<td>2615</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>Red Zenith.</strong></td>
<td>Very fine, dark red; solid head; the leaves are crisp and tender; medium early; finest of all.</td>
<td>2620</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td><strong>Savoy, Early Vienna.</strong></td>
<td>Very small; of delicate flavor.</td>
<td>2630</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Savoy, Early Ulm.</strong></td>
<td>Medium size, round, deep green head; very early.</td>
<td>2640</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td><strong>Savoy, Late Green Globe.</strong></td>
<td>Compact, medium-size heads; leaves finely curled.</td>
<td>2645</td>
<td>30</td>
<td>85</td>
</tr>
</tbody>
</table>

All 10 cents per packet except where quoted otherwise.

### CARDOON

<table>
<thead>
<tr>
<th>Variety</th>
<th>Cardoon</th>
<th>Cardo</th>
<th>Carbon</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CULTURE.—</strong> Sow early in spring, in rows where the plants are to stand, and thin them to 2 feet apart. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. The stems should be wintered in a cellar away from frost.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Large Solid.</strong> Smooth; grows about 4 feet high; leaves nearly free from spines.</td>
<td>OZ.</td>
<td>1/2 lb.</td>
<td>Lb.</td>
</tr>
<tr>
<td>pkt. 10c</td>
<td>2770</td>
<td>25</td>
<td>60</td>
</tr>
</tbody>
</table>

*We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.*
CARROT

Carotte

Zanahoria

Mähren

CULTURE.—Sow No. 2890 as early as the ground can be worked; or, for late crop, until the latter part of July, or early in August for a winter crop. This is the finest and most tender for table use. For main crop sow other sorts from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop, 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil should be light and loamy, richly manured and deeply dug. Sow at the rate of two to three pounds to the acre; one ounce to 100 feet of drill. Carrot-tops cut from fairly young plants may be used for pretty indoor greenery. Put one cutting into each thumb-pot, or three or four into a larger pot around the sides. Fairly good and sandy soil should be used, syringing frequently until growth is well forward. About 1 inch of Carrot should be left to put in soil, but this should be surrounded with soil or moss to hide it. When fully grown it is very pretty, the long fronds hanging over gracefully.

Parisian Forcing, Early. Tender and sweet; fine for early and late crops and for frames.

<table>
<thead>
<tr>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2890</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>30</td>
<td>30</td>
<td>50</td>
</tr>
</tbody>
</table>

Oxheart Half-Short (Guérande). Very thick and short.

Scarlet Horn, Early. Very thick roots; fine for frames.

Half-Long Pointed. A well-known strain; productive.


Half-Long, Stump-rooted, Nantes Strain. One of the most popular sorts.

Half-Long, Stump-rooted, Nantes Strain, Improved. Larger and finer than the preceding; very tender and of excellent flavor.

Chantenay, Half-Long, Stump-rooted. Style of Nantes, broader shoulder.

Danvers Half-Long. Large; of good quality; productive.

St. Valery. A thick, intermediate long red.

Long Orange. Best for stock-feeding.

Long White Belgian. Very large; one of the best varieties for stock.

All 5 cents per packet except where quoted otherwise.

CELERY

Celerei

Apios

Seltzei

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 to 10 inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 to 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July in the North, a month or six weeks later in the southern states, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots.

In the garden the better way is to set the plants in shallow trenches. We say shallow for it is obviously a bad plan to remove all the good soil (as must be done in a deep trench) and put the plants in that which is poor. The plants must be set in a single row in a narrow trench; or the trench may be made into a bed wide enough to hold two, three or four rows, and in this case the plants are in a compact form to be covered for the winter where they grow. This will save much labor where there is no root-cellar for storage, as often happens to be the case. When grown in beds in this way, the rows should be 1 foot apart, and the plants about 8 inches apart in the rows. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times, and, in doing this, care should be taken not to let the earth get into the heart of the plant. In field culture, the plants are set on the surface in rows 4 feet apart when the Celery is to be earthed up in the field for early use, and 2 feet apart when the plants are to be taken up and blanched in the cellar for winter use. The plants are set 6 inches apart in rows. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground, 1 foot wide, and at a depth of a few inches less than the height of the Celery. The plants are then lifted and set close together. When severe cold weather comes on, cover gradually with leaves hay or straw, and place boards on top. The turnip-rooted Celery (Celeriac) needs no earthing up, and may be planted in rows 1 foot apart.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
CELEERY, continued

Thorburn’s Fin de Selle. We consider this the largest, hardest, solidest, crispest, best-keeping and best-shipping winter Celery we know of.

$3200 30 85 3 00

Improved White Plume. Naturally white or light foliage; requires but little banking up to blanch; very early and extensively grown for market.

$3210 30 85 3 00

GOLDEN SELF-BLANCHING, THORBURN’S GILT-EDGE. Our finest strain… pkt. 20c. $3230 1 25 4 00 15 00

Perfection Heartwell. One of the finest and largest of winter varieties, either for family or market-garden. The heart is golden yellow.

$3260 20 60 2 00

Thorburn’s Schumacher. Solid and crisp; firm, golden yellow heart.

$3270 20 60 2 00

Giant Pascal. An easily blanched and fine-keeping, large, late sort.

$3300 20 60 2 00

Kalamazoo. A fine, half-dwarf, solid white variety.

$3310 20 60 2 00

Giant Golden Heart. Very large, solid and fine-flavored; vigorous grower.

$3344 20 60 2 00

New Rose. Fine flavor; handsome variety.

$3350 20 60 2 00

Pink Plume. Similar to White Plume, except that the stalks are tinged with pink; attractive; rich flavor and long keeper.

$3360 25 75 2 50

Red Solid. Stalks tender and brittle.

$3380 20 60 2 00

Winter Queen. Very large, solid, green, winter sort; blanches well.

$3384 20 60 2 00

Celeriac, Giant Prague. Very large roots, for soups and stews; when cooked and sliced makes fine winter salad.

$3400 25 75 2 50

Celeriac, Apple. Has small foliage and small, smooth roots; for soups.

$3420 30 85 3 00

Celeriac, Erfurt. For soups and stews.

$3425 25 75 2 50

Celeriac may be stored like beets, and will keep all winter

All 10 cents per packet except where quoted otherwise

CORN, SWEET or SUGAR

CULTURE.—Plant in hills 3 feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to the stem; break off side-shoots. Make the ground rich with well-rotted manure. If sown thinly in drills, a greater yield from a given surface will be obtained.

We supply packets of Corn at 10 cts. each, postpaid; for other quantities, NOT PREPAID, add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

Most varieties can be furnished on ears at 5 cts. each, transportation extra

EXTRA-EARLY

THORBURN’S NORDHEIM EXTRA-EARLY. Earliest and finest of all. The stalks grow 6 to 7 feet high, each bearing three or four nearly perfect ears of excellent quality. The grains are large, white and very sweet.

$3700 25 40 1 25 75 5 50

Early Red-Cob Cory. A very early variety with good-sized ears. Very sweet, tender and of fine flavor.

$3710 15 25 75 1 30 4 50

White Cory. Resembles the ordinary Cory, but with white cob.

$3720 15 25 75 1 30 4 50

Mammoth White Cory. Ears double the size of the old Cory, and better in flavor.

$3740 15 25 75 1 30 4 50

Metropolitan. Large, handsome ears of fine quality; very early. A splendid market variety.

$3750 20 30 85 1 50 5 00

Golden Bantam. Extra early; yellow; very sweet and tender.

$3760 20 30 90 1 60 5 50

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
### EXTRA-EARLY SWEET CORN, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pt.</th>
<th>Qt.</th>
<th>½pk.</th>
<th>Pk.</th>
<th>Bus.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seymour's Sweet Orange</td>
<td>Vigorous grower, attaining a height of 6 to 7 feet. Producing generally two</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>good-sized ears to a stalk. It matures about a week later than Golden Bantam.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Is fully equal to it in the deliciousness of its flavor.</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$1</td>
<td>$5</td>
</tr>
<tr>
<td>Early Fordhook</td>
<td>Large-eared; extra early; pure white.</td>
<td>20</td>
<td>30</td>
<td>90</td>
<td>1</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Peep-o'-Day</td>
<td>One of the earliest; very sweet and of delicate flavor.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Nearly as early as Cory, but with larger ears.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Perry Hybrid</td>
<td>Early and large; valuable for market.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Kendall's Giant</td>
<td>Very early for so large-eared a variety; sweet and tender.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Extra-Early Adams</td>
<td>Not a Sugar Corn but grown for early use. Tender and sweet; fine for the</td>
<td>15</td>
<td>25</td>
<td>65</td>
<td>1</td>
<td>00</td>
</tr>
<tr>
<td></td>
<td>table.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### SECOND-EARLY or INTERMEDIATE

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pt.</th>
<th>Qt.</th>
<th>½pk.</th>
<th>Pk.</th>
<th>Bus.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thorburn's Early White Perfection</td>
<td>Valuable second-early sort, producing good-sized ears. The cob is small and the</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>grain is almost white. It is a heavy yielder, very sweet and an almost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>perfect type without flint or glaze.</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$1</td>
<td>$5</td>
</tr>
<tr>
<td>Early Champion</td>
<td>Very large ears, considering its earliness.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Early Mammoth</td>
<td>Large ears; fine quality; not very late.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Crosby</td>
<td>Matures after Minnesota; fair-sized ears of good quality.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Long Island Beauty</td>
<td>Very early; large size; valuable market sort.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Potter Excelsior</td>
<td>Good-sized ears of fine quality.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Moore Concord</td>
<td>Of strong growth; ears large and well filled.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Early Evergreen</td>
<td>A week earlier than Stowell Evergreen.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Early Adams</td>
<td>Not a Sugar Corn, but grown extensively for market.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

### GENERAL CROP

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pt.</th>
<th>Qt.</th>
<th>½pk.</th>
<th>Pk.</th>
<th>Bus.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hickox Improved</td>
<td>Handsome ears; very white and of rich flavor.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Stowell Evergreen</td>
<td>One of the most popular varieties.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Golden Evergreen</td>
<td>Late; very sweet, round grains.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>White Evergreen</td>
<td>Strain of Evergreen with pure white grains.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### LATE SWEET CORN

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pt.</th>
<th>Qt.</th>
<th>½pk.</th>
<th>Pk.</th>
<th>Bus.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Mexican</td>
<td>Very sweet, of superior flavor; grains black.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>Late Mammoth</td>
<td>Rank in growth; large ears, rich and sweet.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>Country Gentleman</td>
<td>A large selection of the Ne Plus Ultra, introduced by us in 1888.</td>
<td>15</td>
<td>25</td>
<td>75</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>Sweet Fodder Corn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### FOR FIELD CORN AND POP CORN, SEE PAGE 58
CHERVIL

_Cerfeuil_ Perifollo _Benfenaud_

**CULTURE.**—Cultivate and use the curled variety of Chervil like parsley. Sow at any time in the spring in shallow drills, 1 foot apart, in well-prepared ground.

**Curled.** Leaves used for flavoring soups and stews and for garnishing. pkt. 5c...4240 $0.45 15 50 25

**Plain.** Like above, but not curled ................................pkt. 5 cts. 4250 10 35

CHICORY

Common, or Wild. Used in _Barbe de Capucin_, a salad much made in France. Sown in June, the roots are transplanted in autumn into sand in a cellar. The young shoots form the _Barbe de Capucin_.

$4300 $0.45 15 50 25

Witlouf. Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as endive, except that late in summer or fall it should be gradually banked up like celery. The stalks, when blanched, make a delicious salad. It is also used by the French as a boiled vegetable...

4310 20 40 1 50

Magdeburg. Roots are the Chicory of commerce ........................................4320 10 30 90

All 5 cents per packet

SEE ALSO, ENDIVE, THE CHICORY OF THE FRENCH, PAGE 26

COLLARDS

**CULTURE.**—Sow seed as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

Georgia ..................................................4380 Pkt. 5 cts., oz. 10 cts., ½ lb. 30 cts., lb. 80 cts.

CORN SALAD, or FETTICUS

_Mache_ Macha _o Valerianilla_ _Steifsalat_

**CULTURE.**—Sow during August or early in September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before the winter cover thinly with straw or leaves.

Large-seeded ............................................4430 $0.45 10 25 65

Small-seeded ............................................4440 10 25 65

Green Cabbaging ........................................4450 10 25 80

All 5 cents per packet

CRESS

_Cresson_ Bara _o Mastuerzo_ _Kresse_

**CULTURE.**—Sow No. 4520 thickly in shallow drills, every two or three weeks. It should be cut often and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 4550 and 4570 should be sown in damp soil; or, if a stream of water can be utilized, they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

Curled, or Pepper Grass ................................4520 $0.40 10 20 50

Common, or Plain-leaved ................................4530 10 20 50

Broad-leaved Winter, or Upland. Gray seed ..................4540 10 25 75

Erfurt True Sweet Water Cress. Very mild and tender ........pkt. 15c...4550 50 1 50

True Water Cress. pkt. 10c...4570 35 1 00

All 5 cents per packet except where quoted otherwise

BROAD-LEAVED WINTER CRESS

TRUE WATER CRESS

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
CUCUMBER

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Spine</td>
<td>Extra long; prolific. See Novelties</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumberland</td>
<td>One of the best pickling sorts yet introduced, being very handsome</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Davis Perfect</td>
<td>Fine for forcing or for outdoors. The fruit is long and straight,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Green Cluster</td>
<td>Fruit small and in clusters; very prolific.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Russian</td>
<td>Very early, short; fine for pickles.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Giant Pera</td>
<td>Very long; one of the best for table use.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fordhook Pickling</td>
<td>Very prolific; medium size; fine pickling strain.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorburn Everbearing</td>
<td>Small-sized; very early and enormously productive;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cool and Crisp</td>
<td>Extra early and very prolific; long, straight, slender and very dark</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fordhook Famous</td>
<td>Long, straight and well formed; vigorous grower, very productive;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orleans Market</td>
<td>For forcing or open ground; very productive.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Spine Extra-Early</td>
<td>An extra-early strain of the popular White Spine.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Improved</td>
<td>A very handsome and uniform early variety.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arlington</td>
<td>Fine either for forcing or for outdoors.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorburn's Noroton Selected</td>
<td>A selection of Improved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Spine</td>
<td>Earlier, more perfect in shape and more prolific;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>best slicing variety; splendid either for home garden or market.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extra-Long</td>
<td>A beautiful, large and well-shaped Cucumber.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long Green, Improved</td>
<td>Long and crisp; a popular variety for pickles.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turkey</td>
<td>Fruit very long and rather slim.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Prolific Pickling</td>
<td>One of the best for pickling; dark green.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tailby Hybrid</td>
<td>Very long, and superior for table use.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japan Climbing</td>
<td>Good for frames or open ground.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Gherkin</td>
<td>Very small bur; used for pickles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lemon Cucumber, or Garden Lemon</td>
<td>Almost round; yellow and green markings; tender and of sweet flavor.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 5 cents per packet, except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
ENGLISH CUCUMBER FOR FRAMES (Concombre espèces Anglaises pour cucumbers)

CULTURE.—Sow seeds in October, November or December, according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure; give plenty of air and water. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with brown paper until the seeds germinate. Afterward uncover and ventilate to insure sturdiness of habit. Only strong plants should be employed. It is necessary to fertilize the pistillate flowers with the staminate to render the vines productive as, owing to the absence of insects, they will not produce a crop under glass as in open ground.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hurst’s Monarch</td>
<td>Splendid sort</td>
<td>50c.</td>
</tr>
<tr>
<td>Lockie’s Perfection</td>
<td>Fine color</td>
<td>50c.</td>
</tr>
<tr>
<td>Marvel. (Hurst’s)</td>
<td>Heavy cropper</td>
<td>50c.</td>
</tr>
<tr>
<td>Rochford’s Market</td>
<td>Fine variety</td>
<td>50c.</td>
</tr>
<tr>
<td>Telegraph</td>
<td>Free-bearing; handsome</td>
<td>50c.</td>
</tr>
<tr>
<td>Veitch’s Sensation</td>
<td>Fine dark variety</td>
<td>50c.</td>
</tr>
</tbody>
</table>

DANDELION

Pissenlit Amargan Pâbrêlume

CULTURE.—Dandelion is a hardy perennial, and one of the most desirable early spring salads. Sow in early spring in drills one-half an inch deep and 18 inches apart; thin out the plants to 12 inches. Keep clear of weeds during the summer, and the ensuing spring the leaves will be fit to cut. They are best, however, when blanched, which makes them tender and destroys, to some extent, their bitter taste without impairing the qualities which make them desirable as greens. The blanching may be done by placing a couple of boards over the rows thus: A. This excludes the light and improves the greens, rendering them far superior to those found growing wild.

French Garden .......................... pkt. 5c .......................... $0.5170
Improved Thick-leaved Fullheart ....... pkt. 10c .......................... $0.5210
Montmagny. The popular Paris quick-blanching sort ....... pkt. 10c .......................... $0.5230

ENDIVE, or CHICORY

Chicoree Escarola o Endivâta Endivât

CULTURE.—Sow in June, July and August; cover lightly; when up, thin out to 8 inches apart and water well, if dry. When the leaves are 6 to 8 inches long, blanch by tying together near the top with yarn or raffia. (They must be quite dry, or they will rot.) At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar. They must be kept dry and have plenty of air.

Green Curred Winter. Standard sort for fall and winter crop.....pkt. 5c .......................... $0.5210
Large Green Curred (de Raffee). Broad ribs; fine for fall and winter.pkt. 5c .......................... $0.5220
Brood-leaved (Escarolle). A sweet variety; fall and winter ....pkt. 5c .......................... $0.5230
White Curred. For early use .......... pkt. 10c .......................... $0.5240

SEE, ALSO, WITLOOF (FRENCH ENDIVE) UNDER CHICORY, PAGE 24

EGGPLANT

Aubergine Berengena Gerphlange

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly.

Set out plants 3 feet by 2.

Improved New York Spineless. The standard; largest and best; oval; deep purple; early and productive .......................... $0.5310
BLACK BEAUTY. As large as the New York Improved but about ten days earlier; very rich purplish black .......................... $0.5320
Early Dwarf Purple. Dwarf; very early; small, ovoid fruit .......................... $0.5330
Florida High Bush. Purple, though not so deep as the New York Spineless, which it resembles in shape. Productive, vigorous and can stand more cold than that variety .......................... $0.5340
Long Purple. Of distinct shape and fine quality .......................... $0.5350
Round Purple. Of good quality, fine color and shape. Good variety for market .......................... $0.5360
Black Pekin. Round, blackish purple fruit; flesh tender, of fine flavor; dark foliage .......................... $0.5370

All 10 cts. per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
FENNEL, FLORENCE or NAPLES
Fenouil de Florence  Fùnocchio di Napoli
CULTURE.—Sow in spring, in rows 16 to 20 inches apart. Thin out so as to have the seedlings 5 or 6 inches apart and water as plentifully as possible. The plant is usually eaten boiled. In flavor it resembles celery, but has a sweet taste and a more delicate odor. 14190 Pkt. 5 cts., oz. 10 cts., 1/4 lb. 25 cts., lb. 80 cts.

SEE ALSO, HERBS

KALE, or BORECOLE

Chou vert Frise  Cal  Κάλκος
CULTURE.—Nos. 5600 and 5610 are cultivated and grown exactly like cabbage. Sow No. 5600 in August and September for early greens. Sow 5700 early in the spring in a hotbed and when 1 or 2 inches high transplant into a bed or border that has been highly manured and deeply dug. Sea Kale is not fit to eat until it has been blanched, either under large pots or by banking up with sand.

Curled Dwarf Green Scotch. Very dwarf and spreading; best strain; largely grown in the South, being sown in August and September.................5600 $0 10 $0 20 $0 65
Curled Tall Green Scotch. A taller growth of No. 5600 ..................5610 10 30 1 00
Curled Siberian Thorburn Improved. Green, curled; hardy..............5630 10 20 65
Emerald Isle. Very fine..............5635 15 50 1 50
Thousand-headed. For cattle........5640 10 20 60
Jersey Winter Kale, or Cow Cabbage. For feeding cattle; very hardy....5650 10 20 60
Sea Kale. Resembles celery. pkt. inc..5700 20 60 2 00
All 5 cents per packet, except where quoted otherwise

EARLY WHITE VIENNA KOHLRABI

KOHLRABI

Chou-Rave  Colinabo  Κόλιναβο
CULTURE.—Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 to 10 inches. If the weather is suitable the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

Early White Vienna. Handsome; very delicate in flavor; white ball........5800 $0 15 $0 40 $1 50
Early White Vienna. Fine every way. For frames. pkt. inc.5810 20 75 2 50
Early Purple Vienna. Purple ball; a very good sort........5820 15 40 1 50
Early Purple Vienna. For frames. pkt. inc.5830 20 75 2 50
Large White, or Green. Forms a large ball; not so fine in flavor but more productive........5840 15 35 1 25
All 5 cents per packet except where quoted otherwise

LEEK

Poireau  Perro  Perre, oder Land
CULTURE.—Sow very early in spring in drills 6 inches apart and 1 inch deep. One ounce to 100 feet of drill. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; rich soil is required. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September, and the young plants transplanted in spring to where they are to remain.

THORBURN’S BEST LARGE FLAG.  
Large Carentan. Distinct and dark-colored leaves; stout in habit and hardy ..................5940 15 35 1 25
Musselburgh. Similar to above.5950 15 35 1 25
Prizetaker. Very large ..........5960 15 35 1 25
All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
LETTUCE

CULTURE.—Sow 6030 and 6230 in hotbeds in March, and in the open ground as soon as it can be worked, and transplant to rows 8 inches apart. Sow in two weeks’ time same varieties again for a succession; also Cos sorts. Latter part of August sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. Always sow thinly and thin out well, or the plants will not be strong. The last spring sowing had better be grown where sown, being thinned out to 6 to 8 inches apart. Cos Lettuce may be sown in a hotbed early in the spring, and transplanted to a coldframe, so as to have good plants to set out at the opening of the ground. Lettuce requires good ground, enriched with thoroughly decayed manure, and well pulverized. The after culture should be close and careful, to secure the best results. Lettuce seldom, if ever, heads well in hot weather.

American Gathering. Twisted and curled leaves; fine early or late. w. s. .................................................. 6202

$0 10 $0 25 $0 80

THORBURN’S BIG BOSTON IMPROVED. Fine for forcing in coldframes or for open ground. See Novelties w. s. 6030

BUTTERCUP. Yellow, solid, small heads; for forcing or outdoors. w. s. ........................................ 6040

California Cream Butter. Very large, solid heads; inside very white. b. s. ........................................ 6050

DENVER MARKET. Very curly heads; good for forcing or outdoors. w. s. ........................................ 6090

GIANT CRYSTAL HEAD. A splendid cabbage Lettuce; large, solid; outside leaves bright green, inside crystal-white; yellow heart; crisp, tender. w. s. ........................................ 6100

GRAND RAPIDS FORCING. Large; tender; one of the best for forcing. b. s. ........................................ 6120

Hanson Improved. Very large and solid; tender and of fine quality; withstands the hot sun well. w. s. ........................................ 6140

HUBBARD MARKET. A large cabbage variety, with crisp, tender leaves; for forcing or open ground. w. s. ........................................ 6160

MAMMOTH BLACK-SEEDED BUTTER, THORBURN. A selected strain; large, solid, yellow heads. Favorite variety of New York market-gardeners. 6200

MARKET-GARDENERS’ PRIVATE STOCK, THORBURN. A selected strain; solid, large heads, resisting the sun for a long time before shooting. b. s. ........................................ 6210

MAXIMUM, THORBURN. The largest and best; solid; crisp; leaves tender and particularly fine in flavor. b. s. ........................................ 6220

MAY KING. Large, round, solid heads. w. s. ........................................ 6230

MIGNONETTE. Distinct russet colored; very solid and compact. b. s. ........................................ 6240

NEW YORK CABBAGE. Large, solid heads; inside very white. w. s. ........................................ 6250

NEW ORCHID. The famous Orchid Salad, used in many of the highest-class restaurants; should be cut as the orchid center develops; that is, when the plants have attained about one-quarter of their full growth. w. s. ........................................ 6253

OAK LEAF. A curled-leaf variety of bright green color. w. s. ........................................ 6260

PASSION. A medium-sized cabbage variety, with tender, crisp and fine-flavored leaves; popular in the South. b. s. ........................................ 6270

RHEINGOLD. Large, solid heads; pure golden yellow; tender, delicious and crisp leaves. Fine forcer. 6290

SALAMANDER IMPROVED. Fine, compact heads; tender; quality of the best; resists summer heat. b. s. ........................................ 6300

SHOTWELL BROWNHEAD. Large, handsome, tender heads, crisp, and of fine flavor; very hardy. b. s. ........................................ 6310

SIMPSON EARLY CURLED. A leading early sort; very tender. w. s. ........................................ 6320

SIMPSON BLACK SEED. A superior variety; large, and of light color, tender and crisp. b. s. ........................................ 6330

TENNISBALL WHITE SEED (Boston Market). A well-known forcer; large heads; crisp and tender. w. s. ........................................ 6340

TENNISBALL BLACK SEED. Forms close, hard heads, leaves very crisp and tender; for forcing. b. s. ........................................ 6350

TROCADERO. Hardy; for spring or summer; green, tinged russet; very tender, crisp and fine-flavored. w. s. ........................................ 6360

WHITE SUMMER CABBAGE. Close heads of good size; fine for summer. w. s. ........................................ 6390

All 5 cents per packet except where quoted otherwise.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
### Romaine, or COS Lettuce

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>Qlb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bath Cos, Black-seeded</td>
<td>Pale green leaves, slightly tinged with brown.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Paris Cos.</td>
<td>Of upright growth; fine, w.s.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trianon Cos.</td>
<td>Resists heat well.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balloon Cos.</td>
<td>Fine sort.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GOLDEN YELLOW COS.</td>
<td>Long-standing; solid; golden yellow.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RED COS. Splendid</td>
<td>French sort. Outer leaves red-brown; very</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>attractive.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 5 cents per packet

### Mustard

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>Qlb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>These seeds form the mustard of commerce.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White London</td>
<td>Leaves used for salads while young; grows very</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Giant Southern Curled</td>
<td>Very large leaves.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elephant's Ear</td>
<td>Immense, light green leaves.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fordhook Fancy</td>
<td>Very ornamental; plants of vigorous growth;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ostrich-Plume</td>
<td>Leaves curled and frilled like an ostrich-plume.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Muskmelon (Cantaloup)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>Qlb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banquet</td>
<td>Beautifully netted, medium size; rich salmon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brockway's Sport</td>
<td>Slightly oblong, averaging 6 inches in diameter;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Burrell's Gem</td>
<td>Reddish orange flesh; fine-grained and spicy.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defender</td>
<td>One of the very best yellow-fleshed sorts;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Osage</td>
<td>Coconut-shaped; yellow flesh; light green,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paul Rose</td>
<td>Handsome oval variety; rich orange flesh;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shumway Giant</td>
<td>Round; light green; flesh deep salmon;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surprise</td>
<td>Oblong; rich orange flesh of fine quality;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Fordhook</td>
<td>Firm, thick, deep salmon flesh;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorburn's Orange</td>
<td>Fine orange sort. Round, very sweet and very</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow-meaten Japan</td>
<td>Fine</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 5 cents per packet

### Salmon and Yellow-Fleshed Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>Qlb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banquet</td>
<td>Beautifully netted, medium size; rich salmon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brockway's Sport</td>
<td>Slightly oblong, averaging 6 inches in diameter;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Burrell's Gem</td>
<td>Reddish orange flesh; fine-grained and spicy.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defender</td>
<td>One of the very best yellow-fleshed sorts;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Osage</td>
<td>Coconut-shaped; yellow flesh; light green,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paul Rose</td>
<td>Handsome oval variety; rich orange flesh;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shumway Giant</td>
<td>Round; light green; flesh deep salmon;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surprise</td>
<td>Oblong; rich orange flesh of fine quality;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Fordhook</td>
<td>Firm, thick, deep salmon flesh;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorburn's Orange</td>
<td>Fine orange sort. Round, very sweet and very</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow-meaten Japan</td>
<td>Fine</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 5 cents per packet

*We pay postage or express charges on all garden seed bought by the packet, ounce or quarter-pound*
GREEN-FLESHED MUSKMELONS

Baltimore Market. Oblong; green flesh of fine quality; intermediate.............6870
Bay View Hybrid. Prolific; very large; late; green flesh.......................6880
HYBRID CASABA. A vigorous grower and an enormous yielder; produces melons of large size and of unsurpassed flavor; skin is green until the fruits begin to ripen, when it turns to a light yellow; white flesh, rich and luscious and from 2 to 3 inches thick. Splendid for warm climates.................................6904
Champion Market. Large, slightly elongated; netted; flesh light green; early.6910

Eden Gem. The popular shipping melon at Rocky Ford. Flesh deep green, very solid and firm. Skin heavily netted........6914

GOLD-LINED ROCKY FORD. Delicious, flesh thick, fine-grained and sweet; color green, with a gold margin next the seed-cavity; slightly oval and heavily netted...........pkt. 10c...6916

Hackensack. Large, round and of good quality; a popular variety: early........6920

Hackensack Extra-Early. Ripens ten days earlier than the Hackensack..........6930

Henderson's Bush. True bush variety; small but of very fine flavor; pkt. 15c..6935

Jenny Lind. Old favorite. Small; green-fleshed; very early; good quality...6940

Long Island Beauty. On style of Hackensack. The earliest and finest in quality, and the most beautiful of all Muskmelons..................6950

Montreal, Green. Large, round, netted; flesh thick and light green; late......6970

Netted Gem, Round. Very early; small and of fine flavor; green flesh.........6980

Netted Gem, Oblong. Same as above, save in shape..........................6990

Norfolk Button. On style of Jenny Lind; good flavor..........................6994

Nutmeg. Sweet, green flesh; very early; named from its shape.................7000

Rocky Ford. Improved Netted Gem; very sweet and fine-flavored; oblong......7010

Winter Pineapple. An extraordinary melon; can be kept in splendid condition for months after being pulled. For the South only............pkt. 10c...7140

All 5 cents per packet except where quoted otherwise

MISCELLANEOUS MUSKMELONS

Banana Citron. Cucumber-shaped; highly perfumed; late....................pkt. 5 cts..7110

Mango Melon, or Vine Orange. Size, shape and color of an orange; fine for preserving or for pickling..............................pkt. 5 cts..7120

Pomegranate. Ornamental for perfume; late........................................7130

IMPORTED ENGLISH FRAME VARIETIES OF MUSKMELONs

Eclipse. Green flesh.................................................................7220
Blenheim Orange. Scarlet flesh................................................7230
Monroe's Little Heath. Scarlet flesh........................................7250
Gunton Scarlet.................................................................7270
Royal Sovereign. White flesh..................................................7280
Windsor Castle. Green flesh...................................................7290

IMPORTED FRENCH VARIETIES

These sorts ripen outdoors here, and are well worthy of cultivation.

Delight of the Table..............................................................7300
Trevoux......................................................................................7310
Noir des Carmes.................................................................7320
Tours Sugar...............................................................................7330

These are four of the latest Paris market sorts.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
WATERMELON

CULTURE.—Treat the same as Muskmelons, except that they should be planted 8 to 10 feet apart, according to variety. Light soil is best.

Alabama Sweet. Dark green; tender red flesh; long. Fine shipper........... 7410 $0 10 $0 25 $0 70
Black Diamond. Dark green, tough skin; large size. Round............. 7430 10 25 70
Black Spanish. Round; nearly black; dark red flesh; early........... 7440 10 25 70
Boa. Oblong; dark green; flesh deep scarlet; rind thin; intermediate..... 7450 10 25 70
Blue Gem, or Iceberg. Bright red flesh; very sweet; fine shipper. Oval.... 7460 10 25 70
Bradford. Long and of dark color; red flesh, sweet and tender........... 7480 10 25 70
Cole’s Early. Medium size; red flesh; green skin. Oval........... 7490 10 25 70
Cuban Queen. Solid and heavy; skin marked regularly; excellent; early. Oval 7500 10 25 70
Dixie. Excellent quality; very large and solid; red flesh; intermediate. Long 7510 10 25 70
Duke Jones. Large; handsome, dark green; red flesh of fine flavor.......... 7520 10 25 70
Early Fordhook. Extra early; good size; green skin; red flesh. Oval........ 7530 10 25 70
Florida Favorite. A superior strain; oblong; red flesh; intermediate.... 7540 10 25 70
Halbert Honey. Dark; glossy green skin; flesh crimson, luscious and sweet. Strong, vigorous grower and free fruiter. Long. Fine for northern states.............. 7550 10 25 70
Hungarian Honey. A very early sort; fine for northern latitudes; perfectly round; brilliant red flesh........ 7560 15 40 1 25
Ice Cream, White Seed (Peerless). Very early; red flesh. Oval........... 7570 10 25 70
Icing, Dark. Solid; dark green skin; red flesh of superior quality; white seed; early; nearly round........ 7580 10 25 70
Icing, Light. Round; pink flesh of fine quality.................. 7590 10 25 70
Jordan Gray Monarch. Largest grown; crimson flesh; late. Long........ 7600 10 25 70
Jumbo. Deep red flesh of excellent flavor. Very large, almost globular in shape; striped light and dark green........ 7600 10 25 70
Kleckley Sweats. Exceedingly sweet and fine-flavored; dark green skin; thin rind; flesh scarlet, solid and firm. Long............. 7610 10 25 70
Kolb Gem. Large; good shipper; bright red flesh; intermediate. Oval...... 7620 10 25 70
Mammoth Ironclad. Long; very large; late; red flesh; good shipper........ 7630 10 25 70
Mammoth Santiago. Light green skin, striped darker; deep blood-red flesh of sweet flavor; uniformly large and long; a good shipper........ 7640 10 25 70
Melver’s Sugar. Oblong; handsome and very sweet.................. 7650 10 25 70
Mountain Sweet. Red flesh; late; dark green; long, taper to stem end........ 7650 10 25 70
Phinney. Early, and of fine quality; large; solid; red flesh. Oblong....... 7660 10 25 70
Pride of Georgia. Round; large; crisp; bright red flesh; intermediate... 7670 10 25 70
Rattlesnake, Southern. Oblong; dark and striped; bright red flesh; late... 7680 10 25 70
Seminoles. Very large; quality first-rate; red flesh; intermediate. Oblong 7690 10 25 70
Sugar Stick. Light green; oblong; luscious rich red flesh. Strong grower... 7700 10 25 70
Sweetheart. Very large; bright skin; fine quality. Oval.............. 7720 10 25 70
TOM WATSON. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin but tough; stands shipping well. The flesh is deep red, crisp and melting and of finest flavor. Long........... 7724 10 25 70
Triumph. Bluish green skin; red flesh; large; good shipper. Oblong........ 7730 10 25 70
Wonderful Sugar. Very sweet; handsome. Oblong.............. 7740 10 25 70
Citron, Green Seed. Used for preserves.......................... 7750 10 25 70
Citron, Red Seed. Round and handsome; for preserving.................. 7760 10 25 70

All 5 cents per packet

NASTURTIUM

CAPUCINE Maraneda Rašturtium

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

TALL CRIMSON. Tall Crimson... 7900 $0 10 $0 25 $0 75
TALL YELLOW. Tall Yellow.... 7910 10 25 75
TALL MIXED. Tall Mixed...... 7920 10 20 50
DWARF MIXED. Dwarf Mixed... 7930 10 20 60

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
OKRA, or GUMBO

**Gombaud** | **Quimbombo** | **Safran**
---|---|---
CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked while small and tender.

<table>
<thead>
<tr>
<th>Long Green. Tall; very productive; moderately long green pods.</th>
<th>$0.05</th>
<th>$0.10</th>
<th>$0.20</th>
<th>$0.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Velvet. Tender, long, white pods; smooth and velvety in appearance.</td>
<td>8030</td>
<td>05</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Dwarf Green Prolific. Short, thick pods.</td>
<td>8040</td>
<td>05</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Perkins’ Mammoth. Fine strain; very long pods.</td>
<td>8050</td>
<td>05</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

**ORACH, or FRENCH SPINACH**

**Arroche** | **Arinella**
---|---
CULTURE.—Sow early in spring; cultivate and use like spinach.

Red. Distinct; dark red leaves. | 8100 | $0.05 | $0.15 | $0.35 | $1.00 |
White. Pale green leaves, almost yellow. | 8120 | 05 | 15 | 35 | 100 |

**MUSHROOM SPAWN**

**Blanc de Champignon** | **Seta Champignebut**
---|---
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. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse manure, 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 the required size. Three to 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these 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 make holes in the bed about a foot apart each way, and about one inch deep, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten 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. Take special care, however, when water is given, that it be at a temperature of about 100 degrees.

From our experience with English, French and American Spawns, we find there is an important difference between them. If the manure in the bed is in proper condition, the French Spawn will take hold and grow fully as well as the other two; but, if the bed is not in the right state, it will often rot. The American and English Spawns, on the contrary, after starting a little, will remain in a comparatively dormant state for a long time without losing their vitality. It is well to keep these points in mind in ordering Spawn.

<table>
<thead>
<tr>
<th>Perbrick</th>
<th>10 bricks</th>
<th>100 bricks</th>
</tr>
</thead>
</table>
American Spawn. In bricks. | 8170 | $0.20 | $1.80 | $16.00 |
English Spawn. In bricks. | 8190 | 15 | 30 | 120 |
French Spawn. In bulk. (None this season.) | 8200 |

If by mail, add 10 cts. per brick for postage.

**MARTYNIA (For Pickles)**

**Gemessenhen**

CULTURE.—Sow in May in the open ground, 3 feet apart in each direction, where the plants are to remain; or the seed may be sown in a hotbed, and the seedlings afterward transplanted. These varieties are productive and fine for pickles. Pick when small and tender, and preserve the same as cucumbers.

<table>
<thead>
<tr>
<th>Pkt.</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
</table>
Craniolaria. | 8250 | $0.05 | $0.25 | $0.75 | $2.50 |
Proboscidea. | 8280 | 05 | 25 | 75 | 2 50 |

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
ONION  
ONION  Cabolla  

culture.—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 to 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Oz.</th>
<th>1/2 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Early Barletta</td>
<td>A small white Italian sort; very early.</td>
<td>$0.320</td>
<td>$0.15</td>
<td>$0.35</td>
</tr>
<tr>
<td>Very White Pearl</td>
<td>Pure white; small, flat; extra early; fine for pickling.</td>
<td>$0.330</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>White Victoria</td>
<td>Italian. White and globular.</td>
<td>$0.334</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Large Portugal</td>
<td>The standard large flat sort of the New York strain.</td>
<td>$0.380</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Mammoth Garganus, or Silver King</td>
<td>Large, silvery white Italian.</td>
<td>$0.380</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Paris Silverskin</td>
<td>Fine Italian sort.</td>
<td>$0.390</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Beringuda</td>
<td>(Teneriffe-grown).</td>
<td>$0.400</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Tripoli</td>
<td>(El Paso, or Mexican). Large, white Italian variety.</td>
<td>$0.420</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Bunching, or Italian Silverskin</td>
<td></td>
<td>$0.430</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Marvel of Pompeii</td>
<td>Small Italian sort, two weeks earlier than Barletta.</td>
<td>$0.440</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>VAUGIRARD WINTER</td>
<td>For pickling. Sow in September for early spring Onions.</td>
<td>$0.450</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Welsh</td>
<td>The leaves are used for salad early in spring. Sow in fall.</td>
<td>$0.850</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Yellow Danvers</td>
<td>A standard sort; early and a good keeper.</td>
<td>$0.540</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Globe Danvers</td>
<td>Of more globular shape; keeps well.</td>
<td>$0.550</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Large Globe</td>
<td>(Southport Strain.) The finest large yellow.</td>
<td>$0.560</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Globe Michigan</td>
<td>True globe-shape; fine keeper.</td>
<td>$0.564</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Prizetaker</td>
<td>Immense size; globe-shaped.</td>
<td>$0.570</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>DENIA</td>
<td>Imported from Spain. It is generally conceded that this is the parent type of the well-known Prizetaker, of which, however, it is a far superior strain.</td>
<td>$0.574</td>
<td>50</td>
<td>1.75</td>
</tr>
<tr>
<td>Giant Rocca</td>
<td>Productive and mild; of large size; Italian.</td>
<td>$0.876</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Strasburg or Dutch</td>
<td>Fine keeper; flat; yellow skin; white flesh.</td>
<td>$0.880</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Alisa Craig</td>
<td>A splendid Yellow Globe variety; grown largely for exhibition purposes. The great force; mammoth.</td>
<td>$0.890</td>
<td>30</td>
<td>1.00</td>
</tr>
<tr>
<td>Red Australian Brown</td>
<td>Medium size; hard; solid; very early.</td>
<td>$0.870</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Bermuda</td>
<td>(Teneriffe-grown).</td>
<td>$0.871</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Large Wethersfield</td>
<td>Half-early, and a good keeper; large size.</td>
<td>$0.872</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Large Globe</td>
<td>(Southport strain.) The finest large red sort.</td>
<td>$0.873</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Early Flat</td>
<td>Medium size; very early; deep red; mild flavor.</td>
<td>$0.875</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>Chives Seed</td>
<td></td>
<td>$0.876</td>
<td>40</td>
<td>1.25</td>
</tr>
</tbody>
</table>

Shallot Seed

All 5 cents per packet except where quoted otherwise

**ONION SETS**

Plant in drills about 12 inches apart and 4 inches in the rows. Give high culture.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Qt.</th>
<th>1/2 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Onion Sets</td>
<td>These are the prices ruling in January;</td>
<td>$0.20</td>
<td>$0.60</td>
<td>$1.00</td>
</tr>
<tr>
<td>White Onion Sets</td>
<td>later on they may be higher.</td>
<td>$0.25</td>
<td>75</td>
<td>1.25</td>
</tr>
<tr>
<td>Red Onion Sets</td>
<td></td>
<td>$0.20</td>
<td>60</td>
<td>1.00</td>
</tr>
</tbody>
</table>

FOR PARSLEY AND PARSNIP, SEE PAGE 36
EXTRA-EARLY PEAS

Thorburn Extra-Early Market. Our standard market-garden extra-early Pea; productive and profitable to grow. 8900
Daniel O'Rourke, Improved. Extra early; favorite sort. 8910
First-of-All. First-class selected strain of extra-earlies. 8920
Alaska. One of the earliest blue Peas; quite productive. 8930
Thomas Laxton. A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain seven or eight large, wrinkled Peas of the finest flavor. 8940
Gradus, also called Prosperity. One of the finest extra-early Peas. Ready to pick about four days after sowing. Pods very large, filled with large, wrinkled Peas of finest quality. 8950
American Wonder. Early and productive; fine quality. 8980
English Wonder. Very prolific and early. 8986
Sherwood. Pods large, deep green color. 8988
Sutton's Excelsior. As early as American Wonder, with much larger pods, filled with large Peas of finest flavor; very prolific. 8890
Nott's Excelsior. Splendid early wrinkled sort; very prolific. 9000
Little Gem. Early; straight pods. 9020
Little Marvel. A few days earlier than English Wonder and with larger pods. This variety is an improvement on English Wonder and in habit is very similar. Remarkably prolific. 9030
Laxtonian. Very large, dark green, curved pods and Peas of finest flavor; great yielder; very early. 9040
Richard Seddon. The best dwarf extra-early. 9045
Wm. Hurst. Dwarf; wrinkled; on the style of American Wonder. 9050
Witham Wonder. A valuable and reliable, early, dwarf sort; long, curved pods well filled with large Peas of sweet flavor. 9080

EARLY AND MEDIUM PEAS

Advancer. A fine standard sort of excellent quality. 9130
Abundance. Long, round, well-filled pods. Sow thinly. 9160
Horsford's Market-Garden. On the style of Advancer; prolific. 9170
Everbearing. Long pods; large Peas. Sow thinly. 9180
Pride of the Market. Very large pods; green Peas. Sow thinly. 9190

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
**EARLY AND MEDIUM PEAS, continued**

*Dwarf Champion* (Juno). A dwarf form of the popular Champion of England, with large pods; very productive; finest quality........... 9210

*Duke of Albany* (American Champion). Immense pods on style of Telephone; very superior........................................ 9220

*Gladstone*. Extra-large, large, recurved pods........................................ 9240

*Heroine*. Large, full pods; enormously productive.................................................. 9260

*Daisy*. Dwarf, wrinkled, with large pods and Peas ............................................. 9270

*Sutton’s Dwarf Defiance*. Straight, long, dark green pods, closely packed with large Peas of superior flavor. Very productive........... 9280

*Te Arowa*, or “Good Luck.” Fine dark green foliage; large pods; Peas of superb flavor........... 9285

*Yorkshire Hero*. A spreading variety; productive. Sow thinly................... 9300

**MAIN- AND LATE-CROP PEAS**

†*Admiral Dewey*. Enormous pods; large wrinkled Peas of fine flavor; very productive........................................ 9460

†*Stratagem*. Very large pods; Peas of finest quality............................... 9420

*Potlatch*. A large-podded Stratagem.................................................. 9430

†*Telephone*. Enormous pods and Peas of best quality...................... 9450

**SUGAR PEAS (EDIBLE PODS)**

Sugar Peas have edible pods which are eaten when young.

*Mammoth Gray-seeded Sugar*. Immense pods................................. 9540

*Dwarf White Sugar*. Very early................................................. 9550

*Luscious Sugar*. 9564

**PEPPER**

_Culture._—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows; hoe frequently. The plants may also be forwarded in small pots.

_Bell, Large_. Large; bright red; largely used for pickling. It is of such mild flavor that it may be eaten as a vegetable.................. 9650

**CHINESE GIANT**. Very large; flesh very mild and thick; bright scarlet color\ldots 9680

**CELESTE**. Sow 3 in.; pungent........................................... 9670

_Celestial_. At first fruit is yellow; but when fully matured, a deep scarlet........ 9680

_Crimson Giant_. Brilliant color; net sweet................. 9685

_Golden Dawn_. Sweet; very handsome and distinct; not mild flavor; small........ 9690

_Golden Queen Mammoth_. Very large fruits; rich golden yellow color; early........ 9700

_Monstrous, Sweet_. Very large and of mild flavor; for use when green.............. 9710

_Neapolitan_. Early and productive. Large and sweet........... 9720

_Red Chili_. Productive; small; red and very pungent........... 9750

_Red Cluster_. A new type of Chili, with upright, bright red fruits........... 9760

**RUBY GIANT**. Large; desirable shape for stuffing. Mild and delicate................ 9764

**Ruby King**. Bright red; 4 to 6 inches long; mild; best for stuffing........... 9770

_Squash, Large_. Productive; for pickles................................. 9780

_Sweet Mountain_. Large size; regular; mild flavor......................... 9790

_All 25 cents per packet except where quoted otherwise._

_THORNBURN UPRIGHT SWEET SALAD PEPPER_ (see page 36)
PEPPER, continued

Sweet Spanish. Large, mild; used for salad
Tabasco. True. Bush 3 feet high; small, long, bright red fruit in clusters; very hot; best for pepper-sauce and pickling.

<table>
<thead>
<tr>
<th>Name</th>
<th>Oz.</th>
<th>( \frac{1}{2} ) lb.</th>
<th>Lb.</th>
</tr>
</thead>
</table>
| Sweet Spanish                             | 9800| $0.25                  | $0.50
| Tabasco                                   | 9810| 45                     | 1.35 | 4.50 |

THORBURN UPRIGHT SWEET SALAD. Finest of all. Handsome, productive and of finest quality; bright scarlet; flesh thick, mild and very sweet. The Peppers are as large as Ruby King, and are all borne upright, clear of the ground. The flesh is so thick and the skin so tender that it may be fried like a beetroot, and so sweet that it may be eaten like an apple.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
<th>Oz.</th>
<th>( \frac{1}{2} ) lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thorburn Upright</td>
<td>9840</td>
<td>40</td>
<td>1.25</td>
<td>4.00</td>
</tr>
</tbody>
</table>

All 5 cents per packet, except where quoted otherwise

PARSLEY

<table>
<thead>
<tr>
<th>Name</th>
<th>Oz.</th>
<th>( \frac{1}{2} ) lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petrije</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PARSNIP

<table>
<thead>
<tr>
<th>Name</th>
<th>Oz.</th>
<th>( \frac{1}{2} ) lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panais</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chirijia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PUMPKIN

<table>
<thead>
<tr>
<th>Name</th>
<th>Oz.</th>
<th>( \frac{1}{2} ) lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connecticut Field</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
POTATOES, Grown Expressly for Seed (IN BARRELS)

Pomme de Terre Patatas Kartoffeln

CULTURE.—Three to four barrels to the acre. In order to have the best success in growing Potatoes, it is necessary to plant as early as the ground can be made ready. Select a rich soil, and plant in rows 3 feet apart, and the sets 1 foot in the rows. If wood-ashes and plaster can be procured, sow a good dressing over the field after the Potatoes are up. If a very early crop is desired, it will be necessary to sprout the Potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room for four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that, as soon as planted, they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hotbed two weeks before they are wanted, and then lift carefully and set out on fresh horse dung, so that the heat will cause them to start at once. If the Colorado Potato beetle makes its appearance, the vines must be dusted with paris green mixed with about 80 parts of plaster; or what is better, mix the paris green in water, one small tablespoonful to a pailful, and apply with a small brush or broom. Take care to stir the mixture often, or else the paris green will settle to the bottom. Two or three applications during the season will usually suffice to clean off all the beetles.

EARLY POTATOES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NOROTON BEAUTY</td>
<td>The finest and most productive extra-early Potato grown. Handsome in appearance and more uniform in shape than any other variety. Its table quality is superb. Original stock.</td>
<td>$0</td>
<td>$0</td>
<td>75</td>
<td>$2</td>
</tr>
<tr>
<td>Thorburn's Beauty of Hebbron</td>
<td>Slightly flesh-colored skin, with pure white flesh. Early, very productive and of the finest quality.</td>
<td>$1040</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Irish Cobbler</td>
<td>Fine white; vigorous grower.</td>
<td>$1040</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Bovee</td>
<td>Extra early; very productive; of fine quality; flesh white.</td>
<td>$1040</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Early Rose</td>
<td>Popular market sort; very early; fine quality; very productive.</td>
<td>$1040</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
</tbody>
</table>

INTERMEDIATE AND LATE POTATOES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold Coin</td>
<td>A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form, light golden skin; flesh pure white, fine-grained; cooks very dry.</td>
<td>$1052</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Carman No. 1</td>
<td>This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort the world over. The finest second-early Potato ever offered.</td>
<td>$1050</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Uncle Sam</td>
<td>Handsome shape; good size; fine quality.</td>
<td>$1050</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Sir Walter Raleigh</td>
<td>Very productive; white flesh of best quality.</td>
<td>$1050</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Rural New Yorker</td>
<td>An old standard Potato. Very few and shallow eyes; fine, pure white skin and flesh; immense yielder; fine table quality; cooking very mealy.</td>
<td>$10580</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
<tr>
<td>Green Mountain</td>
<td>Oval shape; white skin and flesh; excellent; heavy yielder.</td>
<td>$10590</td>
<td>45</td>
<td>65</td>
<td>200</td>
</tr>
</tbody>
</table>

These are prices ruling in January; later on they may be higher.

We ship Potatoes entirely at customer's risk.
RADISH

**RADIS ET RAPE**  Rabanos y Rabanitos  Rabies und Rettig

**CULTURE.**—Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, every week or ten days for a succession, up to the middle of June, after which they are but little used, unless a cool northern spot can be had, where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 10 lbs. to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts.

**Varieties marked with an asterisk (*) are best suited for market-gardeners.**

*Turnip, Early Scarlet.* Very early. The French favorite. ................................... 10680
  * " " " " Forcing. Crisp; very early. .................................. 10690
  * " " " " White-tipped. Very early; for frames or outdoors. 10710
  * " " " " Forcing. .................................................. 10720
  * " " " " Cooper's Sparkler. Carmine with white tip. ........... 10730
  * " " " " Deep Scarlet. Very early; crisp. ........................ 10740
  * " " " " DEEP SCARLET FORCING. Very tender and crisp, rich deep scarlet color, very excellent forcing sort. 10760
  * " " " " Scarlet Gem White-tipped Forcing ..................... 10765
  * " " " " SCARLET GLOBE-SHAPED. Fine for forcing or open ground. The Radishes are almost round, of a beautiful rich scarlet, very tender and crisp. ............................................. 10810
  * " " " " CRIMSON GIANT, or Giant Butter. Desirable for forcing or outdoor planting. Will produce Radishes nearly twice the size of other red forcing varieties and, in spite of their large size, will retain their crispness and solidity. 10850
  * " " " " Non Plus Ultra. Extra-early scarlet forcing. ........ 10840
  * " " " " Round White Forcing ..................................... 10850
  * " " " " White, or Box. For forcing; flesh pure white, sweet. 10860
  * " " Golden Summer. Smooth and bright skin .................... 10900

**Golden Globe.** Yellow, but with white flesh. ........................................ 10950

*French Breakfast.* Pink and white; early. ........................................... 10800

*Olive-shaped White Forcing (White Rocket).* A forcing strain of above. ... 11060

*Olive-shaped Deep Scarlet Forcing (Red Rocket).* A forcing strain of the above ................................................................. 11080

Olive-shaped Golden Yellow. A good sort of very fine quality. .................. 11090

Olive-shaped Scarlet ......................................................... 11094

*Olive-shaped Brightest Scarlet Forcing ........................................ 11100

Olive-shaped Scarlet White-Tip Forcing (White-Tip Rocket). ... 11110


Half-Long Delicacy. Half-long; smooth, snow-white; fine forcer. ....... 11150

Half-Long White Forcing. Splendid, pure white; fine forcer. .......... 11160

*Long Scarlet Short Top.* Very long, crisp; for frames or outdoors ..................................................... 11180

Long Brightest Scarlet or Cardinal White-tipped. ......................... 11190

Long White Naples, or Shepherd. Tender; for summer use. .............. 11210

*Long White Vienna, or Lady Finger. Crisp and tender in summer. .... 11220

Long Icicle. Pure white, of fine flavor; suitable for forcing. ........ 11230

Long Cincinnati Market. An improved strain of Long Scarlet. .......... 11240

All 5 cents per packet.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
RADISH, continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Long Wood's Frame</em></td>
<td>11250</td>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td><strong>Round Scarlet China</strong></td>
<td>11290</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td><em>White Strasburg Summer</em></td>
<td>11320</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td><strong>Stuttgart Summer</strong></td>
<td>11330</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td><em>Winter Scarlet Chinese</em></td>
<td>11380</td>
<td>10</td>
<td>20</td>
</tr>
</tbody>
</table>

**Long Black Spanish**. The popular winter sort.

**Half-Long Black Spanish**. Very fine strain.

**Oval Black Spanish**. Shorter and more oval than the above.

**Round Coal-Black Spanish**. Fine for winter.

**Sakurajima** (Mammoth Japan). The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development.

All 5 cents per packet

RAMPION

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raiponce</td>
<td>11850</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

CULTURE.—Sow in the open ground early in May, either broadcast or in drills 10 inches apart. As the seed is very fine, it merely requires to be pressed firmly into the soil. Thin out the seedlings if they come up too thickly, and water frequently during hot weather. The roots may be gathered for use from October onward throughout the winter. The roots and leaves are excellent as salad. **11550**. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. $2.

ROQUETTE

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Victoria</td>
<td>11640</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

CULTURE.—Sow early in spring, in rows, and thin out to 8 to 10 inches. If kept well scuffled and watered, the tart flavor of the leaves is greatly diminished. This flavor is not pronounced in the small leaves, which are used for salad. The flowers, appearing from May to June, have very much the odor of orange-blossoms. **11590**. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 30 cts., lb. $1.

RHUBARB

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
</table>
| Victoria        | 11700 | 15 cts. each, $1.50 per doz. Transportation charges extra.

SCOLYMUS

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escorozonera</td>
<td>11740</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but, on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify. **11780**. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

SCORZONERA

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escorzonera</td>
<td>11780</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but, on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify. **11780**. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50.

SALSIFY, or VEGETABLE OYSTER

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>1/4 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Salsify</em></td>
<td>11850</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Keep them free from weeds. Cultivate the same as carrots and parsnips. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces 1/2 inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster. Sow eight to ten pounds to the acre.


SKIRRET. See page 41.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

MAMMOTH SANDWICH ISLAND SALSIFY
SORREL

OSTERLILIE

Culture.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and needs to be taken up and divided only once in four or five years. To be cut and cooked precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the sun tends to increase its acidity, a northern exposure is preferable.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Packet</th>
<th>Oz.</th>
<th>1/2 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garden, Large French</td>
<td>.11930</td>
<td>$0.05</td>
<td>$0.20</td>
<td>$0.55</td>
</tr>
<tr>
<td>&quot; Large Belleville. Very large. &quot;</td>
<td>.11934</td>
<td>10</td>
<td>25</td>
<td>65</td>
</tr>
<tr>
<td>&quot; Mammoth Lyons. Extra-large improved strain. &quot;</td>
<td>.11940</td>
<td>10</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td>&quot; Golden-leaved Lyons. &quot;</td>
<td>.11944</td>
<td>10</td>
<td>25</td>
<td>65</td>
</tr>
<tr>
<td>&quot; Large-leaved German. &quot;</td>
<td>.11950</td>
<td>0.5</td>
<td>20</td>
<td>55</td>
</tr>
<tr>
<td>&quot; Chambourcy. &quot;</td>
<td>.11960</td>
<td>10</td>
<td>25</td>
<td>65</td>
</tr>
<tr>
<td>&quot; Monstrous Long-standing. &quot;</td>
<td>.11970</td>
<td>10</td>
<td>25</td>
<td>75</td>
</tr>
</tbody>
</table>

SWISS CHARD, or SILVER BEET

Silver Leaf. This is a Beet producing leaves only, of a quality superior to those of the ordinary Beet, and excellent as greens. Cultivate about the same as spinach, by sowing the seed in early spring in drills about a foot apart. As it grows, thin out for use, and keep clear of weeds if success is desired. Good cultivation will increase the delicacy and tenderness of the leaves.


Giant Lucullus. Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs. 1700. Packet 5 cts., oz. 15 cts., 1/2 lb. 40 cts., lb. $1.25.

SPINACH

PINNAT

Culture.—Sow in early spring, in drills a foot apart (10 to 12 lbs. to the acre), every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 feet apart each way, three or four seeds in a hill.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Packet</th>
<th>Oz.</th>
<th>1/2 lb.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Viroflay (Thick-leaved).</td>
<td>.12000</td>
<td>$0.10</td>
<td>$0.15</td>
<td>$0.35</td>
</tr>
<tr>
<td>Long Season, Thorburn's.</td>
<td>.12010</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Round-leaved Flanders.</td>
<td>.12020</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Lettuce-leaved. Popular French sort.</td>
<td>.12040</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Curled-leaved Savoy, or Bloomsdale.</td>
<td>.12050</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Long-standing (Round Thick-leaved).</td>
<td>.12060</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Victoria. Extra-dark, black-green color.</td>
<td>.12070</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Prickly, or Winter. Vigorous and hardy; recommended for fall sowing.</td>
<td>.12080</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>Triumph. An improved long-standing sort.</td>
<td>.12100</td>
<td>10</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>New Zealand Summer. Not a Spinach, but used as such. Grows 1½ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before using.</td>
<td>.12120</td>
<td>10</td>
<td>20</td>
<td>60</td>
</tr>
</tbody>
</table>

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
CATALOGUE OF HIGH-CLASS SEEDS

SQUASH

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart.

BUSH VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>$1/10 lb.</th>
<th>$1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Golden Bush</td>
<td>Fine for summer; not so early as the White Bush</td>
<td>12200</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Golden Custard</td>
<td>Mammoth strain of the Golden Bush. A valuable variety; golden yellow flesh; fine quality.</td>
<td>12210</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Early White Scallop Bush</td>
<td>A good early shipping variety</td>
<td>12220</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Mammoth White Scallop Bush</td>
<td>(Silver Custard). Not so early as the former but it produces larger fruits.</td>
<td>12224</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Long Island White Bush</td>
<td>An improved strain of Early White Scallop Bush; very prolific.</td>
<td>12230</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Fordhook, White Bush</td>
<td>Oblong fruits, smooth, thin yellow skin</td>
<td>12234</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Summer Crookneck</td>
<td>Yellow fruit; distinct, best for summer</td>
<td>12270</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Giant Summer Crookneck</td>
<td>Double the size of the above</td>
<td>12280</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Cocozelle Bush (True Italian)</td>
<td>A fine variety; oblong shape; skin smooth, dark green, marbled yellow or pale green.</td>
<td>12300</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>

RUNNING VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>$1/10 lb.</th>
<th>$1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bay State</td>
<td>Hard, blue shell; for fall or winter</td>
<td>12400</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Boston Marrow</td>
<td>Oval; bright orange; flesh yellow and fine</td>
<td>12410</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Cocozelle</td>
<td>A beautiful little winter Squash, the size of a cocoanut; cream-colored; fine quality; prolific.</td>
<td>12420</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Delicata</td>
<td>Orange-yellow, striped green; small size, but very prolific; it is extra early, solid and a good keeper; flesh dry and of fine quality</td>
<td>12440</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Delicious</td>
<td>Green skin; orange flesh, fine-grained, sweet and dry.</td>
<td>12450</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Essex Hybrid</td>
<td>A good fall and winter sort; fine-grained; rich flavor; very prolific.</td>
<td>12460</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Fordhook, Running</td>
<td>One of the best winter sorts; fine quality</td>
<td>12470</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Golden Bronze</td>
<td>Skin green; flesh yellow, fine-grained and sweet</td>
<td>12490</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Hubbard</td>
<td>Well known and liked for late use; an excellent sort for pies.</td>
<td>12500</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>&quot; Golden or Red.</td>
<td>Same as above, but with orange-red skin</td>
<td>12510</td>
<td>15</td>
<td>35</td>
</tr>
<tr>
<td>&quot; Mammoth Warted.</td>
<td>Immense size, covered with warts</td>
<td>12530</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Mammoth Chili</td>
<td>Rich orange flesh; grows to an enormous size</td>
<td>12540</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>&quot; Whale.</td>
<td>Enormous size; solid; bright orange flesh of fine quality</td>
<td>12550</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Marblehead</td>
<td>Gray skin; very productive; fine keeper</td>
<td>12560</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Orange Marrow</td>
<td>Quite distinct; very early, and of most delicate flavor; suitable for fall and winter.</td>
<td>12570</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Perfect Gem</td>
<td>Round; white; fine quality; good for fall or winter</td>
<td>12580</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>Warren</td>
<td>Superior quality. A type of the Essex Hybrid.</td>
<td>12610</td>
<td>10</td>
<td>35</td>
</tr>
</tbody>
</table>

All 5 cents per packet.

VEGETABLE MARROW

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>$1/10 lb.</th>
<th>$1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English.</td>
<td>The true English strain; cream-color, merging into deep yellow; white flesh; about 9 inches long.</td>
<td>12680</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Italian (Cocozelle di Napoli).</td>
<td>Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or paler green. In Italy it is eaten when quite young.</td>
<td>12700</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>

SKIRRET

CULTURE.—Sow in drills 3/4 inch deep, a foot apart; thin out to 8 inches in the row; keep down the weeds. Take up the roots before winter, and store in sand or earth. It is a plump, fleshy root, containing a quantity of sugar and is eaten like scorzonera or salsify.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>$1/10 lb.</th>
<th>$1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chervis</td>
<td>Highwertel</td>
<td>13440</td>
<td>0.5</td>
<td>20</td>
</tr>
</tbody>
</table>

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
CULTURE.—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be had several weeks earlier by sowing seed quite early and transplanting to small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes, or wrapped in tissue paper, and carefully packed in flat boxes—where a large proportion of them will ripen from time to time, frequently until Christmas.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acme</td>
<td>Medium size; smooth and good; crimson</td>
<td>$0.20</td>
</tr>
<tr>
<td>Atlantic Prize</td>
<td>Extra early; smooth; medium scarlet; good size</td>
<td>$0.20</td>
</tr>
<tr>
<td>Beauty</td>
<td>Large, smooth, dark crimson; thick flesh; regular form</td>
<td>$0.20</td>
</tr>
<tr>
<td>Bonny Best</td>
<td>Very early; scarlet; medium to full market size; even, smooth and regular; valuable for home garden or market</td>
<td>$0.30</td>
</tr>
<tr>
<td>Buckeye State</td>
<td>Very large and productive; crimson; smooth, uniform, good quality</td>
<td>$0.25</td>
</tr>
<tr>
<td>Carter’s Sunrise</td>
<td>Early and productive; medium-sized, bright scarlet fruits; smooth and solid. For forcing or for outdoors</td>
<td>$0.40</td>
</tr>
<tr>
<td>Chalk’s Early Jewel</td>
<td>Fine, large, solid, smooth, scarlet; similar to Stone; early</td>
<td>$0.20</td>
</tr>
<tr>
<td>Coreless, Livingston’s</td>
<td>Almost round; bright red; very productive. Ripens all over at once and being almost free from green core it is an exceptionally fine slicing sort</td>
<td>$0.25</td>
</tr>
<tr>
<td>Crimson Cushion</td>
<td>Extra large; handsome; bright crimson</td>
<td>$0.30</td>
</tr>
<tr>
<td>Dwarf Champion</td>
<td>Quite distinct; early; fruit like the Acme; crimson; of medium size; good quality</td>
<td>$0.25</td>
</tr>
<tr>
<td>Dwarf Giant</td>
<td>Largest-fruited of all dwarf sorts; crimson; firm flesh of delicious flavor. Compact and vigorous grower</td>
<td>$0.40</td>
</tr>
</tbody>
</table>

All 5 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
TOMATOES, continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Oz.</th>
<th>$/lb.</th>
<th>1/4 lb.</th>
<th>1 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earliana</td>
<td>Extra early; cardinal-scarlet; smooth.</td>
<td>12850</td>
<td>25</td>
<td>75</td>
<td>250</td>
</tr>
<tr>
<td>Enormous</td>
<td>Extra large; very solid; scarlet.</td>
<td>12880</td>
<td>40</td>
<td>1 25</td>
<td>4 00</td>
</tr>
<tr>
<td>Fordhook First</td>
<td>Smooth; solid; crimson; medium size; early; very profuse bearer.</td>
<td>12910</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Frogmore Selected</td>
<td>Medium size; bright, deep red; smooth; very solid and fine-flavored.</td>
<td>12920</td>
<td>30</td>
<td>85</td>
<td>3 00</td>
</tr>
<tr>
<td>Freedom</td>
<td>Early; regular and uniform; bright scarlet.</td>
<td>12930</td>
<td>20</td>
<td>65</td>
<td>2 25</td>
</tr>
<tr>
<td>Globe, Livingston's</td>
<td>Very early; crimson; smooth and of large size; very productive and a good keeper.</td>
<td>12940</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Golden Queen</td>
<td>Smooth; golden yellow; about size and form of Beauty; of good flavor and solid.</td>
<td>12950</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Imperial</td>
<td>Early; large; smooth; solid; fine quality; color of Beauty—a dark crimson.</td>
<td>12970</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>June Pink</td>
<td>A very early market sort; crimson; smooth; medium size.</td>
<td>12980</td>
<td>30</td>
<td>85</td>
<td>3 00</td>
</tr>
<tr>
<td>King of the Earlies</td>
<td>One of the very first to ripen; large; scarlet; fine for hot climates.</td>
<td>12985</td>
<td>30</td>
<td>85</td>
<td>3 00</td>
</tr>
<tr>
<td>Lemon Queen, Thorburn's</td>
<td>Most desirable of the yellow Tomatoes. Skin and flesh lemon with a faint rose blush.</td>
<td>12990</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Lorillard</td>
<td>Bright glossy red; smooth; of fine flavor and very early. Very productive and satisfactory.</td>
<td>13000</td>
<td>30</td>
<td>85</td>
<td>3 00</td>
</tr>
<tr>
<td>Matchless</td>
<td>Extra large, smooth and handsome; scarlet; very solid. Plant of vigorous growth and prolific.</td>
<td>13030</td>
<td>20</td>
<td>65</td>
<td>2 25</td>
</tr>
<tr>
<td>Michigan Early</td>
<td>Large; scarlet; smooth and solid.</td>
<td>13035</td>
<td>20</td>
<td>65</td>
<td>2 25</td>
</tr>
<tr>
<td>Mikado</td>
<td>Crimson; large, smooth and solid.</td>
<td>13040</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Optimus</td>
<td>Medium size; cardinal-scarlet; smooth and solid; second-early.</td>
<td>13050</td>
<td>20</td>
<td>65</td>
<td>2 25</td>
</tr>
<tr>
<td>Paragon</td>
<td>Cardinal-scarlet; round; very productive.</td>
<td>13060</td>
<td>20</td>
<td>60</td>
<td>2 00</td>
</tr>
<tr>
<td>Perfection</td>
<td>Early, regular and productive; scarlet.</td>
<td>13070</td>
<td>20</td>
<td>65</td>
<td>2 25</td>
</tr>
<tr>
<td>Ponderosa</td>
<td>The largest variety in cultivation; crimson.</td>
<td>13080</td>
<td>35</td>
<td>1 00</td>
<td>3 50</td>
</tr>
<tr>
<td>RED ROCK</td>
<td>An improvement on the well-known Stone. Exceedingly firm-fleshed; very large size, and ripens evenly without cracking. The vine is a strong, vigorous grower and produces its fruit in great profusion.</td>
<td>13084</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Ruby Early</td>
<td>Very early; large size; color bright scarlet.</td>
<td>13110</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Station Upright, Dwarf</td>
<td>Forms a compact bush, about 18 inches high; good forer for pots and under glass; prolific; fruit scarlet; very ornamental and useful plant.</td>
<td>13114</td>
<td>40</td>
<td>1 25</td>
<td>4 00</td>
</tr>
<tr>
<td>Stirling Castle</td>
<td>Small size; solid; finest flavor; scarlet; good for forcing under glass.</td>
<td>13120</td>
<td>40</td>
<td>1 25</td>
<td>4 00</td>
</tr>
<tr>
<td>Stone, Thorburn's</td>
<td>Very large; perfectly smooth; fine deep scarlet.</td>
<td>13130</td>
<td>20</td>
<td>60</td>
<td>2 00</td>
</tr>
<tr>
<td>Success</td>
<td>Large; bright scarlet; smooth and solid; productive. Plant strong and thrifty in growth.</td>
<td>13150</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>TERRA-COTTA, THORBURN'S IMPROVED</td>
<td>Distinct in color and flesh; pure terra-cotta. See Novelties.</td>
<td>13180</td>
<td>30</td>
<td>85</td>
<td>3 00</td>
</tr>
<tr>
<td>Thorburn's Long-Keeper</td>
<td>Bright red; early and productive; fine keeper.</td>
<td>13194</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Trophy</td>
<td>Very solid; standard late; fine canner; dark scarlet. A particularly vigorous and thrifty grower.</td>
<td>13200</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
<tr>
<td>Truckers' Favorite</td>
<td>Crimson; large, smooth and very regular in form; solid.</td>
<td>13210</td>
<td>25</td>
<td>75</td>
<td>2 50</td>
</tr>
</tbody>
</table>

All 5 cents per packet except where quoted otherwise

---

TOMATO, "NAPOLEON"

See also Novelties

A valuable new variety, growing in bunches like grapes; very prolific, each plant producing 100 to 150 Tomatoes of very best quality; color bright scarlet. (See illustration, actual size.) Pkt. 25 cts.
SMALL-FRUITED TOMATOES

For pickling and preserving. Also invaluable for garnishing.

Red Cherry. Small fruits, used for pickles; very handsome .............. 13300

" Currant. Resembles the currant. Useful for preserves, pickles and exhibition purposes ........................................ 13310

" Peach. Resembling a peach; for preserves, pickles and exhibition ... 13320

" Pear. Fruit handsome and solid; fine for preserves .................... 13330

" Plum. Bright red; round; regular; for pickles .......................... 13340

Strawberry (Winter Cherry, or Husk Tomato). Yellow. Makes fine sauce. 13350

Yellow Cherry. For pickles and preserves ................................ 13360

" Peach. Beautiful clear yellow; perfectly resembles a peach .......... 13370

" Pear. Handsome, yellow, pear-shaped fruits ........................... 13380

" Plum. Round and regular; bright yellow; used for pickles .......... 13390

All 5 cents per packet except where quoted otherwise

WITLOOF. See Chicory, page 24

TURNIP

Navet Nabo Rübe

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Nos. 13845 to 13895 should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

WHITE VARIETIES

Cow Horn. Long, white, in shape resembling a cow's horn ........ 13500

Early Snowball. Small, and of rapid growth; pure white. 13510

German Teltow. Smallest of all; early; distinct flavor; best for pickling. 13520

Globe-shaped Red-Top. A standard sort in the New York market 13530

Globe Pomeranian White. Good either for table or stock ............ 13540

Jersey Lily (White Model). Snow-white; globular ..................... 13570

Kashmyr Scarlet. Bright, handsome color; small; flat; extra early; pure white flesh of finest quality ..................... 13580

Milan, Early Purple-Crown. Earliest of all; white, with purple top. Flesh of fine quality and tender ..................... 13590

Milan, Early Pure White. Very handsome; pure white; crisp and tender; as early as above ........................................... 13600

MONTESSON WHITE WINTER. Valuable new sort. Fine-grained and tender. See Novelties 13610

Norfolk White. Globular; late; solid .................................... 13620

Stone, Thorburn Gray. Solid and sweet; good keeper ................ 13630

Strap-Leaf, White. A good early, white, flat sort .................... 13640

Strap-Leaf Red-Top. The popular fall flat sort ....................... 13650

White Egg. Oval; handsome and sweet ............................... 13680

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound
CATALOGUE OF HIGH-CLASS SEEDS

YELLOW TURNIPS

Aberdeen Yellow. Hardy, productive and a good keeper.................. $0.13750
Globe, Yellow. Fine, sweet, light yellow sort.......................... $0.13770
Golden Ball. Very handsome; keeps fairly well.......................... $0.13780
Stone, Thorburn Yellow. Fine, hard, winter sort...................... $0.13800
Seven-Top. Tops used for greens........................................ $0.13830
Tankard Yellow. Long-shaped; good keeper; fine quality............... $0.13840

All 5 cents per packet

RUTABAGA

Bangholm. Extra selected. Small neck; yellow flesh; dark purple top...... $0.13845
Laing's Improved Strap-leaved............................................ $0.13855
Thorburn's Purple-Top, Improved. (L. I. strain.)........................ $0.13860
White-fleshed, or Russian................................................ $0.13870
" English Neckless.......................................................... $0.13885
Yellow-fleshed English Neckless........................................ $0.13895

All 5 cents per packet

Seeds of Pot, Sweet and Medicinal Herbs

Peppermint, Lavender, Sweet Fennel, Sage, Summer Savory

Agrimony. For medicinal purposes................................. Agrimonia officinalis $0.14000
Angelica, Garden. For flavoring wine and cakes...Arangelica officinalis.. $0.14010
Anise. Seeds aromatic and carminative......................... Pimpinella anisum $0.14020
Balm. For culinary purposes................................. Melissa officinalis $0.14040
Basil, Sweet. Culinary herb used for flavoring soups, etc........ Ocimum basilicum $0.14050
Basil, Dwarf or Bush. Culinary herb......................... Ocimum minimum $0.14060
Belladonna. Is used for medicine.............................. Atropa belladonna $0.14070
Bene. The leaves used for dysentery........................ Sesamum orientale $0.14080
Borage. Leaves used as a salad................................. Borago officinalis $0.24000
Caraway. For sowing. Used in flavoring liquors and bread........ Carum carvi $0.14100
Catnip. Has medicinal qualities................................. Nepeta cataria $0.14110
Coriander. Seeds aromatic. For sowing........................ Coriandrum sativum $0.14130
Cumin. For culinary purposes............................... Cuminum cyminum $0.14140
Dill. For sowing. Seeds used for flavoring vinegar......... Anethum graveolens $0.14150
" Mammoth. Much larger than above............................. Anethum graveolens $0.14154
Elecampane. Has tonic and expectorant qualities........... Inula helminthium $0.14160
Fennel, Sweet. Seeds aromatic; for flavoring................ Anethum fenzicum $0.14170
" Florence. In flavor resembling celery....................... Anethum fenzicum $0.14180
Foxglove, Purple. Has medicinal qualities........................ Digitalis purpurea $0.14190
Henbane. Has medicinal qualities; poisonous....................... Hyoscyamus niger $0.14220

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horehound</td>
<td>Has medicinal qualities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyssop</td>
<td>Has medicinal qualities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lavender</td>
<td>True. For oil and distilled water</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marigold, Pot.</td>
<td>Single; for medicinal purposes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marjoram, Sweet.</td>
<td>Is used in seasoning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mint</td>
<td>Curled Mint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pennyroyal</td>
<td>Has medicinal qualities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosemary</td>
<td>Yields an aromatic oil and water</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rue</td>
<td>Said to have medicinal qualities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sage, Broad-Leaf.</td>
<td>A culinary herb; also used in medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savory</td>
<td>Is used as a culinary herb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tansy</td>
<td>Generally used in butters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tarragon</td>
<td>True. Does not produce seed. Roots in fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thyme, German Winter</td>
<td>Is used as a seasoning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wormwood</td>
<td>Has medicinal qualities</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SEEDS OF POT, SWEET AND MEDICINAL HERBS, continued**

**Tobacco Seed**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climax</td>
<td>A cross between Burley and Sterling; fine bright variety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connecticut Seed Leaf</td>
<td>The popular sort, used for cigar wrappers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conqueror</td>
<td>Superb bright yellow</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gold Finder</td>
<td>A cross between Yellow Oronoka and White Burley</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gooch, Long-Leaf, Improved</td>
<td>Fine for sandy soils</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Havana</td>
<td>Seed gathered for us from the celebrated plantations of the “Vueltode Abajo.”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heaster Improved</td>
<td>Yellow; fine for cigars. Adapted to a greater variety of soils and to a wider range of latitude than most other yellow sorts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honduras</td>
<td>A mahogany variety, producing the very highest quality of Tobacco of this type. A healthy and vigorous grower</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyco</td>
<td>Leaf medium size, very broad, easily cured; a bright yellow. For a light cigarette Tobacco it has no equal.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kentucky Yellow</td>
<td>Leaf of large size, handsome shape, excellent quality and of surprisingly fine texture, taking size into consideration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oronoka White-Stem</td>
<td>Plants are large, with long, medium-wide leaves of handsome shape, fine texture and good body</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pennsylvania Seed Leaf</td>
<td>A first-class standard cigar variety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Persian Rose</td>
<td>Fine; may be relied upon to make fine cigars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pryor, Blue</td>
<td>The genuine James River favorite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Preferred by many for brights; succeeds where the other yellow sorts fail.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safrano</td>
<td>Rich saffron-yellow color; soft silky texture and fine flavor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterling</td>
<td>The newest and brightest of the yellow type, and the earliest to ripen.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sumatra</td>
<td>Home-grown; well-known sort; needs no description.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuckahoe</td>
<td>Extra-fine, long leaf; fine for wrappers.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 10 cents per packet. Not less than 10 cents' worth sold

*We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.*
CATALOGUE OF HIGH-CLASS SEEDS

TOBACCO SEED, continued

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turkish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home-grown. Needs no description</td>
<td>14734</td>
<td>$0 80 $8 00</td>
</tr>
<tr>
<td>Latakia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imported seed</td>
<td>14736</td>
<td>$0 60 $6 00</td>
</tr>
<tr>
<td>Virginia Oak Hill Yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resembles White Burley in color and Oronoka in shape and habit. Unsurpassed in delicacy of fiber.</td>
<td>14740</td>
<td>$0 30 $3 00</td>
</tr>
<tr>
<td>Virginia “One-Sucker.”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large, wide, lance-shaped leaf; rather coarse than fine...</td>
<td>14750</td>
<td>$0 30 $3 00</td>
</tr>
<tr>
<td>White Burley, Improved.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leaf is large and broad, with yellowish white stem and ribs.</td>
<td>14756</td>
<td>$0 30 $3 00</td>
</tr>
<tr>
<td>Yellow Mammoth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large yielder.</td>
<td>14760</td>
<td>$0 30 $3 00</td>
</tr>
</tbody>
</table>

All 10 cents per packet. Not less than 10 cents' worth sold

BIRD SEED, ETC.

Prices of Bird Seed fluctuate considerably throughout the year. The prices now quoted are those ruling as we go to press, and may be higher or lower as the season advances. Bags and transportation charges extra.

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canary Seed, Plain.</td>
<td>$0 20 $15 00</td>
<td></td>
</tr>
<tr>
<td>Canary Seed, Mixed.</td>
<td>20 15 00</td>
<td></td>
</tr>
<tr>
<td>Hemp</td>
<td>9 00</td>
<td></td>
</tr>
<tr>
<td>Sorghum Mixed (Kaffir Corn).</td>
<td>$2 25, 50 lbs. $4 50</td>
<td></td>
</tr>
<tr>
<td>Lettuce Seed</td>
<td>20 15 00</td>
<td></td>
</tr>
<tr>
<td>Maw, Blue Poppy</td>
<td>7 00</td>
<td></td>
</tr>
<tr>
<td>Millet, Golden</td>
<td>7 00</td>
<td></td>
</tr>
<tr>
<td>Rape, English</td>
<td>10 10 00</td>
<td></td>
</tr>
<tr>
<td>&quot; German</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough Rice</td>
<td>8 00</td>
<td></td>
</tr>
<tr>
<td>Gravel for Cages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cuttle-fish Bone</td>
<td>5 00</td>
<td></td>
</tr>
<tr>
<td>Sunflower Seed for Parrots</td>
<td>15 10 00</td>
<td></td>
</tr>
</tbody>
</table>

VEGETABLE PLANTS

We shall have some of the standard sorts at their proper seasons.

ESCULENT PLANTS AND ROOTS

<table>
<thead>
<tr>
<th>Plant Type</th>
<th>Description</th>
<th>Oz.</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus Roots</td>
<td>Plant either in fall or spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colossal</td>
<td>Two years old; in bundles of 50</td>
<td>50 for 60 cts.</td>
<td>$1 00 $7 00</td>
</tr>
<tr>
<td>Four years old; for forcing</td>
<td>50 for $1.25</td>
<td>2 00</td>
<td></td>
</tr>
<tr>
<td>Giant Argenteuil</td>
<td>Two years old</td>
<td>50 for 60 cts.</td>
<td>1 00 $7 00</td>
</tr>
<tr>
<td>Palmetto</td>
<td>Two years old; in bundles of 50</td>
<td>50 for 60 cts.</td>
<td>1 00 $7 00</td>
</tr>
<tr>
<td>Columbian Mammoth</td>
<td>Two years old</td>
<td>50 for 60 cts.</td>
<td>1 00 $7 00</td>
</tr>
<tr>
<td>Barr's Mammoth</td>
<td>Two years old</td>
<td>50 for 60 cts.</td>
<td>1 00 $7 00</td>
</tr>
<tr>
<td>Chive Plants</td>
<td>Plant early in spring</td>
<td>per bunch, 25 cts.</td>
<td></td>
</tr>
<tr>
<td>Cinnamon Vine Roots</td>
<td>Dioscorea Batatas; Chinese Yam</td>
<td>each, 20 cts.</td>
<td>$1 00 7 00</td>
</tr>
<tr>
<td>Horse-Radish Roots</td>
<td>Cut in pieces. Plant in spring</td>
<td>20</td>
<td>75</td>
</tr>
<tr>
<td>&quot;Maliner Kren.&quot;</td>
<td>In bundles of 50</td>
<td>50 for 60 cts.</td>
<td>1 00 7 00</td>
</tr>
<tr>
<td>Artichoke Roots, Jerusalem</td>
<td>&quot;Globe. Large, extra-strong roots. See Novelties each, 25 cts.</td>
<td>2 50</td>
<td></td>
</tr>
<tr>
<td>&quot;Globe. Large, extra-strong roots. See Novelties each, 25 cts.</td>
<td>2 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rhubarb Roots</td>
<td>Strong</td>
<td>each, 15 cts.</td>
<td>1 50</td>
</tr>
<tr>
<td>Tarragon Plants</td>
<td>Estragon</td>
<td>each, 35 cts.</td>
<td>3 50</td>
</tr>
</tbody>
</table>

DAHLIA ROOTS

A fine assortment of Mixed Colors from our trial-grounds. See page 10.

JAPAN IRIS

Mixed from a superb collection of large-flowered sorts. See page 125.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.
Horticultural Books

Kindly Order by Number

179 How to Plan the Home Grounds. By Prof. E. H. Burpee. 500 pages. $1.10

185 How to Know the Wild Flowers. By Mrs. William Starr Dana. Illus. 100 pages. 1.00

189 Insects and Insecticides. By Prof. C. M. McNair Wright.

191 Iris. By C. S. Harrison. A manual. Description, classification, propagation and cultiva-
tion. 100 pages. 1.50

193 Landscaping. By George O. Johnson, late superintendent of Parks, N. Y. C., 200 pages. 1.00

197 Lawns and How to Make Them. By Leonard Barron. 120 pages. 1.20


211 Lilies. By A. Grove. 8 colored plates. 100 pages. 1.00

219 Mushrooms, How to Grow. By Falconer. 100 pages. 1.00

215 Nursery Book, The. By L. H. Bailey. Budding, grafting, seeding, etc. 120 pages. 1.20

227 Onion Culture, The New. By T. Greiner. 100 pages. 1.00

225 Ornamental and Fruit-Gardens. By E. H. Powell. 120 pages. 1.20

227 Orchids. By James O'Brien. 8 colored plates. 100 pages. 1.00

229 Ornamental Gardening. 150 pages. 1.50

236 Peony. A manual on propagation and cul-
tivation. By C. S. Harrison. 100 pages. 25

233 Pansies and Violets. By Helen barber. 8 colored plates. 100 pages. 1.00

233 Pelargonium. By E. H. Bailey. For growing the commonest plants. 120 pages. 1.00

249 Principles of American Forestry. By Henry B. Green. 250 pages. 1.50

255 Principles of Plant-Culture. By Prof. E. S. Groff. A first-class instruction book in horticulture. 100 pages. 1.00

259 Pruning Book, The. By Prof. B. C. Loder-
man. Manual of pruning and training. Cloth. 450 pages. 2.50

253 Rhododendrons and Azaleas. By William Watson. 120 pages. 1.00

256 Roses, How to Grow Them. By Ej. C. Loder-
man. By experts. Deals with American practice, outdoor and under glass. Cloth. Illus. 120 pages. 1.00

271 School Garden, How to Make a. By H. T. Bailey. 120 pages. 1.00

273 Small-Fruit Cultivator. By A. S. Fuller. 120 pages. 1.00


289 Soils, How to Handle and Improve. By Fletcher. Cloth-crash. 100 photographs. 2.20

295 Spraying of Plants, The. By E. C. Loder-
man. 120 pages. 1.00


313 Sweet Peas. By Horace J. Wright. 120 pages. 1.00

315 Tobacco-Culture. Full practical details. 25


331 Truck-Farming at the South. Oemler. 120 pages. 1.00

339 Vegetable-Garden, The. By Ida D. Bennett. 150 pages. 1.65

343 Vegetable, How to Make. By E. I. Fullerton. 250 illustrations. 2.20

355 Water-Lilies and How to Grow Them. By H. Hus and S. Conard. 120 pages. 1.00

365 Wurtzfield, H. The Hardy Garden. Cloth. 12mo. 304 pages. 150 illustrations. 1.90

All books postpaid on receipt of price.
About Lawns and Lawn Grass Seed

FORMATION OF LAWNS FROM SEED

The ground should be thoroughly drained and well prepared. This soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled and cross-rolled in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Thorburn's Lawn Fertilizer, mixed with an equal quantity of good loam or sand, will serve to stimulate the growth of the young grasses. The best time to apply this is just before a rain, the idea being to have the fertilizer washed into the roots. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or summer grass, must be pulled up by the roots before they ripen their seed in the fall. This is the only sure way to rid lawns of these pests.

Rolling.—As soon as the frost is out of the ground in the spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

Mowing.—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot summer months, when the roots require some top-growth to protect them from the burning sun. A good top-growth is also necessary to protect the roots from severe winter frosts.

To Grass a Bank or a Terrace.—For each square rod, take a pound of Terrace Lawn Grass Seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, making it as even and thin as possible.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is Agrostis stolonifera, Cynosurus cristatus and Poa pratensis.
Lawn Grass Seed Mixtures

THE THORBURN LAWN GRASS SEED

Many of the finest lawns in America were produced from this mixture. It is composed exclusively of permanent grasses that make a finer and thicker turf the older they become, and yet give a rich green-sward in three or four weeks from the time of sowing. Sow at the rate of four bushels to the acre (20 pounds to the bushel). One quart of our Lawn Grass Seed will sow a plot 15 x 20 feet, or 300 square feet.

Thorburn’s Lawn Grass Seed for the South

A mixture of grasses that stand extremes of heat and drought well, will grow and thrive vigorously under these conditions and are therefore peculiarly adapted for southern lawns.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 45</td>
<td>$0 35</td>
<td>$0 15</td>
<td>$1 25</td>
<td>$0 85</td>
</tr>
</tbody>
</table>

Thorburn’s Lawn-Restoring Grass Seed

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow such places is very early in the spring: but seed may also be sown with good results in the fall from the first of September to the first of October. Some Lawn-restoring Grass Seed should also be sown before every summer rain on thin places.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 45</td>
<td>$0 35</td>
<td>$0 15</td>
<td>$1 25</td>
<td>$0 85</td>
</tr>
</tbody>
</table>

Thorburn’s Grass Mixture for Under Trees and Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations, under trees or close to walls.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 40</td>
<td>$0 30</td>
<td>$0 15</td>
<td>$1 25</td>
<td>$0 85</td>
</tr>
</tbody>
</table>

Thorburn’s Lawn Grass Mixture for the Seashore

A mixture of fine grasses peculiarly suited to seaside lawns.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 40</td>
<td>$0 30</td>
<td>$0 15</td>
<td>$1 25</td>
<td>$0 85</td>
</tr>
</tbody>
</table>

Terrace Lawn Grass Seed

A mixture of fine, stoloniferous grasses peculiarly adapted to terraces.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$0 40</td>
<td>$0 30</td>
<td>$0 15</td>
<td>$1 25</td>
<td>$0 85</td>
</tr>
</tbody>
</table>
Permanent Grass Seed for Golf-Links, Tennis-Courts, Polo-Grounds, etc.

We have devoted much attention to the seeding and preservation of golf-links, tennis-courts and polo-grounds, and offer the following mixtures, which have been used on many of the finest links, etc., in the country, with very satisfactory results.

### Polo-Grounds Mixture
A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. Per bushel of 20 pounds, $4.

<table>
<thead>
<tr>
<th>Qt.</th>
<th>$0.35</th>
<th>½ pk.</th>
<th>$1.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 qts.</td>
<td>60</td>
<td>Pk.</td>
<td>1.75</td>
</tr>
<tr>
<td>Bushel of 20 pounds</td>
<td></td>
<td></td>
<td>6.00</td>
</tr>
</tbody>
</table>

### Fair-Green Mixture
For the grounds in general. Per bushel of 20 pounds, $4.

<table>
<thead>
<tr>
<th>Qt.</th>
<th>$0.40</th>
<th>½ pk.</th>
<th>$1.25</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 qts.</td>
<td>70</td>
<td>Pk.</td>
<td>2.00</td>
</tr>
<tr>
<td>Bushel of 24 pounds</td>
<td></td>
<td></td>
<td>7.00</td>
</tr>
</tbody>
</table>

### Putting-Green Mixture
Our own special formula as furnished all the leading golf clubs in America. A mixture of extra-fine highest-grade grasses, that will make a close, firm, green and lasting turf, which will improve with trampling.

<table>
<thead>
<tr>
<th>Qt.</th>
<th>$0.30</th>
<th>½ pk.</th>
<th>$0.80</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 qts.</td>
<td>50</td>
<td>Pk.</td>
<td>1.25</td>
</tr>
<tr>
<td>Bushel of 18 pounds</td>
<td></td>
<td></td>
<td>4.50</td>
</tr>
</tbody>
</table>

### Grass Mixture for Railroad Banks, etc.
A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering with permanently green turf.

<table>
<thead>
<tr>
<th>Qt.</th>
<th>$0.30</th>
<th>½ pk.</th>
<th>$0.80</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 qts.</td>
<td>50</td>
<td>Pk.</td>
<td>1.25</td>
</tr>
<tr>
<td>Bushel of 18 pounds</td>
<td></td>
<td></td>
<td>4.50</td>
</tr>
</tbody>
</table>
Grass Seed Mixtures for Meadows and Pastures

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass seed may be sown either early in spring or in fall from the first of September to the middle of October in this latitude.

For about a hundred years our house has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the following formulas for seeding grass-lands have received universal recognition. The quantities given are the minimum, and may often be increased to advantage.

### MEADOW MIXTURES FOR ONE ACRE

<table>
<thead>
<tr>
<th>No. 1. On Good Land, neither Too Dry nor Too Wet.</th>
<th>No. 2. On High and Dry Land.</th>
<th>No. 3. On Wet Late Land.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 lbs. Fancy Red-Top.</td>
<td>4 lbs. Fancy Red-Top.</td>
<td>12 lbs. Red-Top.</td>
</tr>
<tr>
<td>½ &quot; Perennial Sweet Vernal.</td>
<td>3 &quot; Tall Meadow Oat Grass.</td>
<td>6 &quot; Orchard Grass.</td>
</tr>
<tr>
<td>2 &quot; Tall Meadow Oat Grass.</td>
<td>1 &quot; Meadow Brome Grass.</td>
<td>1 &quot; Tall Meadow Oat Grass.</td>
</tr>
<tr>
<td>2 &quot; Hard Fescue.</td>
<td>3 &quot; Crested Dog's-tail.</td>
<td>2 &quot; Meadow Fescue.</td>
</tr>
<tr>
<td>2 &quot; Sheep's Fescue.</td>
<td>2 &quot; Orchard Grass.</td>
<td>½ &quot; Tall Fescue.</td>
</tr>
<tr>
<td>10 &quot; Perennial Rye Grass.</td>
<td>2 &quot; Hard Fescue.</td>
<td>1 &quot; Meadow Soft Grass.</td>
</tr>
<tr>
<td>15 &quot; Timothy.</td>
<td>6 &quot; Sheep's Fescue.</td>
<td>5 &quot; Perennial Rye Grass.</td>
</tr>
<tr>
<td>2 &quot; Red Clover.</td>
<td>1 &quot; Meadow Soft Grass.</td>
<td>1 &quot; Timothy.</td>
</tr>
<tr>
<td>½ &quot; Alsike Clover.</td>
<td>12 &quot; Timothy.</td>
<td>½ &quot; Red Clover.</td>
</tr>
<tr>
<td>40 lbs. $4 per bushel of 20 lbs.</td>
<td>40 lbs. $4.50 per bushel of 20 lbs.</td>
<td>40 lbs. $4 per bushel of 20 lbs.</td>
</tr>
</tbody>
</table>

Sow 2 bushels to the acre

### PASTURE MIXTURES FOR ONE ACRE

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 lbs. Tall Meadow Oat Grass.</td>
<td>2½ &quot; Tall Meadow Oat Grass.</td>
<td>8 lbs. Red-Top.</td>
</tr>
<tr>
<td>6 &quot; Red-Top.</td>
<td>1 &quot; Meadow Brome Grass.</td>
<td>8 &quot; Orchard Grass.</td>
</tr>
<tr>
<td>7 &quot; Orchard Grass.</td>
<td>5 &quot; Orchard Grass.</td>
<td>2 &quot; Meadow Fescue.</td>
</tr>
<tr>
<td>4 &quot; Sheep's Fescue.</td>
<td>2 &quot; Hard Fescue.</td>
<td>1 &quot; Tall Fescue.</td>
</tr>
<tr>
<td>2 &quot; Hard Fescue.</td>
<td>5 &quot; Sheep's Fescue.</td>
<td>3 &quot; Meadow Soft Grass.</td>
</tr>
<tr>
<td>1 &quot; Meadow Soft grass.</td>
<td>7 &quot; Timothy.</td>
<td>10 &quot; Perennial Rye Grass.</td>
</tr>
<tr>
<td>9 &quot; Perennial Rye Grass.</td>
<td>10 &quot; Perennial Rye Grass.</td>
<td>1 &quot; Meadow Foxtail.</td>
</tr>
<tr>
<td>1 &quot; Meadow Foxtail.</td>
<td>1½ &quot; Red Clover.</td>
<td>2 &quot; Timothy.</td>
</tr>
<tr>
<td>4 &quot; Kentucky Blue Grass.</td>
<td>4 &quot; Canada Blue Grass.</td>
<td>1 &quot; Rough-stalked Meadow Grass.</td>
</tr>
<tr>
<td>2 &quot; Timothy.</td>
<td></td>
<td>3 &quot; Kentucky Blue Grass.</td>
</tr>
<tr>
<td>2 &quot; Red Clover.</td>
<td></td>
<td>1 &quot; Alsike Clover.</td>
</tr>
<tr>
<td>40 lbs. $4.25 per bushel of 20 lbs.</td>
<td>40 lbs. $4 per bushel of 20 lbs.</td>
<td>40 lbs. $4.25 per bushel of 20 lbs.</td>
</tr>
</tbody>
</table>

Sow 2 bushels to the acre

The various grasses used in the above mixtures are fully described on the following pages.

We are always glad to make up Special Mixtures, and are pleased to answer inquiries as to the best grasses for different purposes and for sowing on various soils under varying climatic conditions.
Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.

Not less than one pound of any one sort sold

Prices subject to market fluctuations during the season. The weight per bushel is average actual weight.

AGROSTIS CANINA (Rhode Island Bent Grass). Resembles Red-Top (A. vulgaris, described below), but is of dwarfer habit, with shorter and narrower leaves. It makes a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. 60 lbs. of seed to the acre is recommended for lawns. (16 lbs. to the bushel.)

Lb. $0.35  25 lbs. $7.75  10 lbs. 3.25  100 lbs. 30.00

AGROSTIS STOLONIFERA, TRUE (Creeping Bent, or South German Floris). The only true Creeping Bent Grass. The distinctive feature of this species is, as the name implies, its compact, creeping rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots which it sends down into the soil form a strong, enduring turf that is positively improved by constant trampling. The other varieties of Agrostis are distinguished from this sort by their flattened, parallel surface roots. Being of fine texture, it is most valuable for lawns and putting-grens. If sown alone, 60 lbs. to the acre should be used. (18 lbs. to the bushel.)

Lb. $0.50  25 lbs. $10.25  10 lbs. 4.50  100 lbs. 40.00

AGROSTIS VULGARIS (Red-Top; Herd's Grass). A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. The seed, as usually sold, weighs 15 to 18 lbs. to the bushel, in its natural condition. Sow 4 bushels to the acre.

Lb. $0.25  25 lbs. $5.25  10 lbs. 2.25  100 lbs. 20.00

RED-TOP GRASS, FANCY HEAVY. Absolutely clean and free from chaff. About 36 lbs. to the acre. (36 lbs. to the bushel.)

Lb. $0.50  25 lbs. $10.25  10 lbs. 4.50  100 lbs. 40.00

AIRA CAESITOSA (Hassoch Grass). A coarse grass, preferring stiff and marshy bottoms and thriving in moist and shady woodlands. 30 lbs. to the acre. (18 lbs. to the bushel.)

Lb. $0.25  25 lbs. $5.25  10 lbs. 2.25  100 lbs. 20.00

AIRA FLEXUOSA (Wood Hair Grass). Delights in high and rocky hills; it is of little agricultural value except for sheep pasture. 30 lbs. to the acre.

Lb. $0.25  25 lbs. $5.25  10 lbs. 2.25  100 lbs. 20.00

ALOPECURUS PRATENSIS (Meadow Foxtail). One of the best permanent pasture grasses for rich, moist soil. Its chief characteristics are its earliness and its faculty of standing high summer heats without burning. It prefers moist, low grounds, but it accepts drier situations, and makes an earlier spring verdure than any other variety. Sow only in connection with other grasses, 3 to 4 lbs. to the acre; if sown alone, 25 lbs. to the acre.

Lb. $0.40  25 lbs. $7.75  10 lbs. 3.75  100 lbs. 30.00

AMMOPHILA ARUNDINACEA (Beach Grass). Valuable on the sandy seashore, canal and railway banks, etc. Its strong, creeping, matting roots bind the drifting sand into natural embankments against the action of winds and waves. This grass is usually propagated by transplanting in the fall. Where it is necessary to use seed, it should be sown in spring, and ground covered with brush to hold the seed in place until it has taken firm hold. Lb. 75 cts.

ANTHOXANTHUM ODORATUM (True Perennial Sweet Vernal Grass). For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. For meadows, its chief merit is the fragrant odor which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment, rather than a grass of much nutritive value. From 2 to 3 lbs. to the acre, when mixed with other grasses.

Lb. $0.55  10 lbs. $5.00

ANTHOXANTHUM ODORATUM PUELLI (Annual Sweet Vernal Grass). Much smaller than the perennial, and of much less value, lasting one year only. 20 to 25 lbs. to the acre.

Lb. $0.28  25 lbs. $6.50  10 lbs. 2.70  100 lbs. 25.00

AVENA ELATIOR (Tall Meadow Oat Grass). Most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. For hay it may be cut twice a year, and for green feeding it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. It is very valuable for our southern states, where it is extensively cultivated for winter grazing and for hay. 50 lbs. to the acre.

Lb. $0.26  25 lbs. $5.75  10 lbs. 2.40  100 lbs. 22.00

AVENA FLAVESCENS (True Golden Oat Grass). Will not thrive well when sown alone, but with other species it becomes desirable for dry meadows and pastures. About 25 lbs. to the acre. Lb., 90 cts.
BEACH GRASS. See Ammophila arenariae.

BERMUDA GRASS (Cynodon dactylon). A most valuable grass for our southern states, both for pasture and lawns. It is of dwarf habit, with long, creeping stems rooting at the joints and covering the ground with a matting of fine turf, which no amount of trampling will impair. It is also useful for binding drifting sand and for steep embankments subject to wash. When established, it is difficult to eradicate, and is therefore unsuitable for temporary pastures. It requires heat and moisture to start it. As it cannot endure frost, it is of no value north of Virginia. It thrives in the poorest and sandiest soil, and resists extreme drought and intense tropical heat. It should be sown at the rate of 15 lbs. to the acre.

Lb. $0.25 25 lbs. $10.25
10 lbs. 4.50 100 lbs. $40.00

BLUE GRASS, Canada. See Poa compressa.

" English. See Festuca pratensis.

" Kentucky. See Poa pratensis.

BROMUS INERMIS (Awnless or Smooth Brome Grass). An erect perennial, 3 to 5 feet high; not wiry. The mature quality of the hay, however, is generally inferior to that of our standard native sorts, so that we should recommend it only for dry, arid soils where the better and more delicate grasses would not grow. It is strongly stoloniferous, its creeping rootstocks spreading rapidly under ground and giving out new plants. It is on this account undersirable for temporary meadows, being difficult to eradicate when once established. Sow 35 to 40 lbs. to the acre.

Lb. $0.25 25 lbs. $5.25
10 lbs. 2.50 100 lbs. $20.00

BROMUS PRATENSIS (Meadow Brome Grass). A hardy perennial, 2 to 3½ feet high, much used in mixtures for meadows, both for mowing and pasture. It is not recommended to be sown alone except in poor soil, on dry, stony hillsides, where better grasses will not grow. It withstands extreme cold and drought, and, if cut before flowering, it makes a good hay. If left to grow older, it becomes very tough. 30 lbs. to the acre.

Lb. $0.25 25 lbs. $4.50
10 lbs. 2.00 100 lbs. $17.00

CALAMAGROSTIS ARENARIA. See Ammophila arenariae.

CYNOSURUS CRISTATUS (Crested Dog's-tail). A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself almost to any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting-greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. If sown alone, 30 pounds to the acre is none too much, but it is recommended only in mixture with other sorts.

Lb. $0.35 25 lbs. $7.25
10 lbs. 3.00 100 lbs. $28.00

DACTYLIS GLOMERATA, continued

in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweedy. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the spring; but it is quite unsuitable for lawns.

Lb. $0.25 25 lbs. $5.25
10 lbs. 2.25 100 lbs. $20.00

DOG'S-TAIL, CRESTED. See Cynosurus cristatus.

ELYMUS ARENARIUS (Lime Grass). Valuable on the sandy seashore, canal and railroad banks, etc. It tends, with its tough, wide-spreading and thickly menace quality of its grass, to form natural and permanent embankments, thus serving to prevent the drifting of the sand and to protect an exposed shore from wind and waves. It is of no agricultural value. Lb. 80 cts.

FESTUCA DURIUSCULA (Hard Fescue). This is a variety of F. ovina, dwarfer and less vigorous in growth, but possessing all the other valuable characteristics of that variety. It is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat and cold, and also long periods of drought. For permanent pastures on poor lands, it is especially valuable; but it may also be used in meadow mixtures for well-manured clayey lands. In the latter case it has been known to yield a good crop of excellent quality, and a very large aftermath. On account of its staking habit, it is not recommended for lawns. 30 lbs. to the acre.

Lb. $0.26 25 lbs. $6.75
10 lbs. 2.40 100 lbs. $22.00

FESTUCA ELATIOR (Tall Fescue). This grass succeeds best in moist, alluvial and strong clayey soils. It is very productive and of long duration, and is especially valuable for permanent pasture. Stock of all kinds eat it readily, and its nutritive value is very great. On rich, moist lands it yields a large amount of hay of excellent quality. It is not suitable for lawns. 40 lbs. to the acre.

Lb. $0.35 25 lbs. $7.25
10 lbs. 3.00 100 lbs. $28.00

FESTUCA HETEROPOHYLLA (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 very high. It grows very well in the shade and is highly recommended for shaded lawns in mixture with other grasses. 40 lbs. to the acre.

Lb. $0.35 25 lbs. $7.75
10 lbs. 3.25 100 lbs. $30.00

Dactylis glomerata (Orchard Grass; Cock's-foot). One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Properties</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Festuca ovina</td>
<td>Sheep's Fescue. A native both of America and Europe. In our northwestern states there are many varieties of it, some of which grow 2 to 3 feet high. It prefers dry uplands and thrives in poor, shallow, gravelly soils, where other grasses would fail. It is very hardy, resisting extreme heat and cold. Though of dwarf growth, it grows thickly, yielding a large amount of nutritious herbage. In grass mixtures, for pastures on high and dry lands, it is especially valuable. Though a bunch grass, it may be included in lawn mixtures as well as in fair-green mixtures on account of its fine foliage and dwarf dense growth. 35 lbs. to the acre.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.35</td>
<td>25 lbs.</td>
<td>$0.75</td>
</tr>
<tr>
<td>Festuca pratensis</td>
<td>Meadow Fescue, or English Blue Grass. One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on very dry land. It does not reach its full development till the second or third year, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by stock, especially when cut young. 40 lbs. to the acre.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.25</td>
<td>25 lbs.</td>
<td>$0.45</td>
</tr>
<tr>
<td>Festuca rubra</td>
<td>Red or Creeping Fescue. True. A creeping-rooted species forming a close and lasting turf, and especially adapted for dry, sandy soils. It resists extreme drought, and thrives on very inferior soils, gravelly banks and exposed hillsides. It is also valuable for shady places in lawns, as well as for golf-courses and for binding shifting sands on the seashore. (24 lbs. to bushel.) 30 lbs. to the acre.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.35</td>
<td>25 lbs.</td>
<td>$0.75</td>
</tr>
<tr>
<td>Festuca tenuifolia</td>
<td>Slender Fescue. This is really a variety of Festuca ovina, with much finer leaves. It will grow on very dry and inferior soils, and its dwarf habit of growth and fineness of leaf render it not unsuitable for dry slopes on lawns and golf-links. It stands grazing well, is very hardy, and lasts long, and may therefore be recommended for permanent pasture on high and dry situations. 30 lbs. to the acre. (22 lbs. to bushel.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.50</td>
<td>25 lbs.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Foxtail</td>
<td>See Alopecurus pratensis.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holcus lanatus</td>
<td>Meadow Soft Grass; Velvet Grass. This grass is of fair agricultural value and it will thrive on poor soil, where better sorts will not grow. It is a perennial, very hardy and grows rapidly. As a forage plant its nutritive value is small, yet it makes hay that is eaten readily by cattle, especially when it is sprinkled with salt. 35 lbs. to the acre.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.20</td>
<td>25 lbs.</td>
<td>$0.40</td>
</tr>
<tr>
<td>Hungarian Grass. See</td>
<td>Panicum germanicum.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johnson Grass. See</td>
<td>Sorghum Halapense, p. 61.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lolium perenne</td>
<td>Pacey's Perennial Rye Grass. Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cuts into hay having a sweet flavor, and is much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. 60 lbs. to the acre. (28 lbs. to bushel.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.50</td>
<td>25 lbs.</td>
<td>$1.25</td>
</tr>
<tr>
<td>Lolium italicum</td>
<td>Italian Rye Grass. Though lasting two or three years, under very favorable circumstances, it is practically an annual. Like the Perennial Rye Grass, it is a remarkably rapid grower, and has, in addition, the advantage of standing extremes of temperature, remaining green throughout the winter, and retaining its freshness in the hottest summer months and during prolonged drought. When sown very thickly or in mixture with other sorts, it makes a good, dense turf, and it has been used with much satisfaction on lawns as far south as Jacksonville. On rich, moist soils, it is exceedingly productive and may be cut in four or five weeks after sowing, and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. 50 lbs. to the acre. (22 lbs. to bushel.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.80</td>
<td>25 lbs.</td>
<td>$2.00</td>
</tr>
<tr>
<td>Oat Grass. See</td>
<td>Avena elatior.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orchard Grass. See</td>
<td>Dactylis glomerata.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panicum germanicum</td>
<td>Hungarian Grass. One of the most valuable annual soil-plants. It grows on any ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as the middle of July for hay, or in the middle of August for green fodder. It should be cut just before blooming, when it makes a tender and nutritious hay. Sow 1 to 1½ bushels to the acre. (50 lbs. to bushel.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.12</td>
<td>25 lbs.</td>
<td>$0.30</td>
</tr>
<tr>
<td>Paspalum dilatatum</td>
<td>Australian Water Grass. A somewhat leafy perennial, growing in clumps. Valuable as a mixture grass for the South, endures summer heat and drought very well and is especially desirable for furnishing late summer and autumn feed, during which period it makes its principal growth. Sow lightly on the surface in warm weather. The seed should barely be covered with soil. Sow from 8 to 10 lbs. to the acre, with 5 lbs. of Hungarian Grass as a temporary protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lb.</td>
<td>$0.50</td>
<td>25 lbs.</td>
<td>$1.00</td>
</tr>
</tbody>
</table>
PHALARIS ARUNDINACEA (Reed Canary Grass). A hardy perennial, preferring stiff, wet land but also doing fairly well in dry, sandy soils. It grows well in ditches and by riversides, where its strong, creeping root-stocks render it valuable for binding the banks. Its seed also affords food for trout and wild fowl. When young, it is valuable for cutting for green forage for cattle, but in its more mature state, it becomes too coarse for this purpose. (30 lbs. to bushel.) Lb. 75 cts.

PHLEUM PRATENSE (Timothy). A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light, sandy soils, though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as if left later the hay becomes hard and coarse. It is often sown with Red-Top Grass and Red Clover, and the nutritive value of the hay is greatly increased by this mixture. If sown alone, at least 25 lbs. to the acre should be used; with Red-Top Grass and Red Clover, 15 lbs. of Timothy, 12 lbs. of Red-Top Grass (natural) and 3 lbs. of Red Clover; or with Red Clover only, 20 lbs. of Timothy and 5 lbs. of Clover. The seed weighs 45 lbs. to the bushel. Several grades are always on the market, differing in purity and vitality, but the seed we offer is of the very highest quality and extra clean. It is always most economical to buy the highest grade, known as “Fancy.”

POA AQUATICA (Water Meadow Grass). This is an excellent pasture grass for very wet situations. It also does well in bogs and marshes. 20 lbs. to the acre. Lb. 90 cts.

POA COMPRESSA (Canada Blue Grass). Highest grade. A very hardy perennial grass, with creeping root-stocks. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of winter. It is especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It is distinguished from the Kentucky Blue Grass by its flattened, wiry stems and by its decidedly bluer color. 60 lbs. to the acre.

RED-TOP. See Agrostis vulgaris.

RYE GRASS. See Lolium perenne.

RHODE ISLAND BENT GRASS. See Agrostis canina.

TIMOTHY. See Phleum pratense.

KENTUCKY BLUE GRASS. See Poa pratensis.

FOR CLOVERS, SEE NEXT PAGE

For Special Meadow and Pasture Mixtures, see page 52; and for Cereals and Field Corn, and Forage, Economical and Miscellaneous Seeds, see pages 58 to 61. Fertilizers are quoted on page 130.

The books listed on pages 48 and 57 will be found invaluable helps to the Home or Commercial Gardener, the Farmer, Dairymen and the Stockman.

FARMGERM. Nitro-gathering bacteria for Cowpeas, Soja Beans, Vetches, etc. Acre bottle, $2; 5-acre bottle, $9. See also, page 61.
Clovers

We quote present prices on Clovers as near as it is possible to offer them at as we go to press. We shall be very glad to quote prevailing prices on all of them from time to time, and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations.

ALFALFA, or LUCERNE (Medicago sativa). Requires deep, rich, well-drained soil. The taproot descends often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. American seed.

Lb. ......... $0.35 25 lbs. ....... $7.75 10 lbs. ....... $1.50 100 lbs. ....... $30.00

ALSIKE, or HYBRID CLOVER (Trifolium hybridum). A perennial, 1 to 3 feet high, succeeding best in cold, stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes. A good honey plant for bees. 15 lbs. to the acre.

Lb. ......... $0.60 25 lbs. ....... $15.00 10 lbs. ....... $2.50 100 lbs. ....... $25.00

BERSEEM, or EGYPTIAN CLOVER (Trifolium alexandrinum). Suitable for a rotating crop on irrigated lands. It is very succulent and much relished by stock. Its value as a soil-renovator is very high. Lb. 50 cts.

BOKHARA CLOVER (Melilotus alba). Valuable sort for soil and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil may be cut three times; lasts for years if cut before flowering. 15 lbs. to the acre.

Lb. ......... $0.75 25 lbs. ....... $18.75 10 lbs. ....... $3.75 100 lbs. ....... $37.50

MAMMOTH RED or PEA-VINE CLOVER (English Cow Grass). Grows larger and lasts longer than the common Red Clover; valuable for plowing under. 10 lbs. to the acre. Market price.

RED CLOVER, MEDIUM (Trifolium pratense). One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. Sow in the spring, 15 lbs. to the acre. Market price.

BURR CLOVER (Medicago maculata). An annual, making good winter grazing on rich soils. Excellent for the South on Bermuda grass land, taking the place of the latter when killed by frost. Sow in August, 20 lbs. to the acre.

Lb. ............ $0.25 25 lbs. ....... $4.75 10 lbs. ....... $2.00 100 lbs. ....... $18.00

KIDNEY VETCH, or SAND CLOVER (Anthyllis vulneraria). A deep-rooted, herbaceous hardy perennial plant, valuable for dry, sandy and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses; useful in mixture for dry soils. Sow 20 lbs. to the acre.

Lb. ............ $0.40 25 lbs. ....... $9.00 10 lbs. ....... $3.75 100 lbs. ....... $35.00

CRIMSON or SCARLET CLOVER (Trifolium incarnatum). Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe; largely grown in our southern states for improving the soil by turning under. Will not endure severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay cut when in full bloom. Sow 20 lbs. to the acre.

Lb. ............ $0.20 25 lbs. ....... $4.00 10 lbs. ....... $1.75 100 lbs. ....... $15.00

WHITE CLOVER (Trifolium repens). White Clover is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in spring, 8 to 10 lbs. to the acre.

Lb. ............ $0.45 25 lbs. ....... $10.25 10 lbs. ....... $4.20 100 lbs. ....... $40.00

N.B.—All prices are subject to market fluctuations.

Books Invaluable to the Farmer, Dairyman, Stockman, etc.

KINDLY ORDER BY NUMBER. ALL SENT BY MAIL, POSTPAID.

No. 3. Alfalfa. Its growth, uses and feeding value. By F. D. Coburn. 164 pp. Cloth. Illustrated. ..................................................... $0.50

No. 29. Clovers and How to Grow Them. By Thomas Shaw. Cloth. Illustrated. 337 pp. 2.00

No. 61. Farm Grasses of the United States. The seeding and management of meadows, pastures, etc. By Prof. W. J. Spillman. Cloth. Illustrated. 250 pages. 7.00

No. 67. Farm and Garden Rule Book. A manual of ready rules and references. Indispensable to every farmer and gardener, fruit-grower, dairyman, etc. By Prof. L. H. Bailey. Cloth. 587 pages. 2.20

No. 71. Farm Management. Accounts, business, marketing, comparative value of products, etc. By F. W. Card. Cloth. Illustrated. 364 pages. 1.50


For other practical and useful publications see extensive list on page 48.
Cereals

Customers will please add cost of bags when ordering, as follows: 1⁄2 bushel 12 cents; 1 bushel, 16 cents; 2 bushels, 23 cents.

The prices of some varieties may change as the season advances. Customers pay transportation charges.

FIELD CORN (56 lbs. to the bushel). All grown especially for seed

Ears of most sorts from 3 to 5 cts. each

<table>
<thead>
<tr>
<th>Variety</th>
<th>Qty</th>
<th>Pk</th>
<th>Bus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angel Midnight</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>Canada Early Yellow</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>Compton’s Early Flint</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>King Philip</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>Large Yellow Flint</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>Longfellow (Yellow Flint)</td>
<td>2</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>Sanford or Long White Flint</td>
<td>20</td>
<td>$0</td>
<td>$5</td>
</tr>
</tbody>
</table>

Dent Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Qty</th>
<th>Pk</th>
<th>Bus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloody Butcher</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Champion White Pearl</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Chester County Mammoth</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Golden Beauty</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Golden Dent Early</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Hickory King</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Iowa Gold Mine</td>
<td>15</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Iowa Silver Mine</td>
<td>15</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>King of the Earliest Yellow Dent</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Legal Tender</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Mastodon</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Pride of the North</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>Very Early White Dent</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
<tr>
<td>White Cap Yellow Dent</td>
<td>20</td>
<td>$80</td>
<td>25</td>
</tr>
</tbody>
</table>

Fodder and ensilage Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Qty</th>
<th>Pk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cuban Giant Ensilage</td>
<td>20</td>
<td>$80</td>
</tr>
<tr>
<td>Red-Cob Ensilage</td>
<td>20</td>
<td>$80</td>
</tr>
<tr>
<td>THOROBRED WHITE FLINT</td>
<td>20</td>
<td>$95</td>
</tr>
<tr>
<td>Virginia Horse Tooth</td>
<td>20</td>
<td>$80</td>
</tr>
<tr>
<td>White-Cob Ensilage</td>
<td>20</td>
<td>$80</td>
</tr>
</tbody>
</table>

Pop Corn (Shelled)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Qty</th>
<th>Pk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golden Queen</td>
<td>25</td>
<td>$0</td>
</tr>
<tr>
<td>Silver Lace</td>
<td>25</td>
<td>$0</td>
</tr>
<tr>
<td>White Rice</td>
<td>25</td>
<td>$0</td>
</tr>
</tbody>
</table>

MISCELLANEOUS CEREALS

All subject to change in price.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Qty</th>
<th>Pk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oats, White Ligowo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imported</td>
<td>15</td>
<td>$2</td>
</tr>
<tr>
<td>White Russian</td>
<td>15</td>
<td>$1</td>
</tr>
<tr>
<td>RYE. (56 lbs. to the bus.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winter Excelsior</td>
<td>15</td>
<td>$1</td>
</tr>
<tr>
<td>Mammoth Winter</td>
<td>20</td>
<td>$2</td>
</tr>
<tr>
<td>Spring</td>
<td>20</td>
<td>$2</td>
</tr>
<tr>
<td>WHEAT, WINTER. (60 lbs. to the bus.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rupert’s Giant</td>
<td>2</td>
<td>$2</td>
</tr>
<tr>
<td>Red Wave</td>
<td>2</td>
<td>$2</td>
</tr>
<tr>
<td>Klondyke</td>
<td>2</td>
<td>$2</td>
</tr>
<tr>
<td>Improved Poole</td>
<td>2</td>
<td>$2</td>
</tr>
<tr>
<td>Spring Wheat</td>
<td>2</td>
<td>$2</td>
</tr>
<tr>
<td>Durum</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

BARLEY. (48 lbs. to bus.) 2 bushels to the acre.

Champion. Beardless          $2 50
BUCKWHEAT. (48 lbs. to bus.) 2 bushels to the acre.

American Silver Hull. Early About 2 25
Japan. Productive; large grains About 2 25
MILLET. (50 lbs. to the bus.) 1 lb. 100 lbs.
Golden, or German. Extra-large seed-heads 1 1⁄2 bus. to the acre 50 |
Japan Barnyard. (Panicum Cras- gali) 30 to 40 lbs. to the acre... 15 10 00
Pearl. Southern fodder-plant... 15 12 00
Rice. 56 lbs. to the bus.       10 7 50
OATS. (32 lbs. to the bus.) 2 to 3 bushels to the acre. Qt.
Canada Cluster                $0 15 $1 25
Tartar King                   15 1 50
Forage, Economical and Miscellaneous Seeds

Except where noted, these seeds are not sold in packets. From 10 cts. to 25 cts. worth is the smallest quantity put up. All subject to change in price.

**ASPERULA odorata (Waldmeister).** Perennial, growing only about 6 inches high, with very fragrant flowers. In Germany, it is thought much of as imparting a certain bouquet to Rhine wine, making the well-known Maistrank. Pkt., 10 cts.; oz., 75 cts.

**AUSTRALIAN SALT BUSH (Atriplex seminacaca).** Thrives in soils on which nothing else will grow, and it is highly recommended for alkali soils and all regions subject to periodical drought. It is very nutritious, and good for all kinds of live-stock. Two or three pounds of seed are sufficient for an acre. The seed may be sown in beds, and the seedlings planted out when 2 inches high, 3 feet apart. Grows strong and vigorously in the driest seasons. Oz., 15 cts.; lb., $1.25; 100 lbs., $90.

**BEANS (60 lbs. to the bushel)—**

**Velvet Bean (Dolichos pauciflorus).** Used in the South as a forage plant, and as a fertilizer plant for turning under. Stock readily eat the vines and leaves, and the Beans, when grown with or without the pod, are used in place of oats or corn, or mixed with them. Plant in rows 4 feet apart and 1 foot in the row, 2 or 3 Beans in a place, as soon as danger of frost is past. The vines are strong and vigorous in growth, rapidly covering the ground, and bearing immense quantities of Beans. Qt., 25 cts.; bus., $4.50.

**Soja Bean (Glycine hispida).** Thrives well in hot and dry weather. Plant at the rate of ½ to ¾ bushel to the acre, in drills 2½ or 3 feet apart, and cultivate same as field corn. It does not make good hay, but is good as ensilage or green fodder.

**Early Dwarf Green.** An early-maturing variety, best for the North, or sections where Hollybrook and Mammoth Yellow do not have time to mature. Pkt., $1; bus., $4.50.

**Hollybrook Early.** A vigorous, quick-growing variety. Pkt., $1; bus., $3.50.

**Mammoth Yellow.** The largest-growing Soja Bean, valuable for green fodder and for improving the soil. Pk., 15 cts.; bus., $3.50.

**BEGGAR-WEEP (Florida or Giant Beggar-weed; Desmodium tortuosum).** An erect, leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in subtropical regions; it also makes hay of a fine quality. It should be sown at the rate of 10 pounds to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Lb., 40 cts.; 100 lbs., $35.

**BERSEEM.** See under Clover, page 57.

**BROOM CORN** (Sorghum vulgare). (12 quarts to the acre.) Broom Corn succeeds in a good, deep soil, fresh but not damp, and is very sensitive to cold.

**Long-Brush Evergreen.** Lb., 15 cts.; 100 lbs., $6.

**BROOM CORN, continued.**

**Improved Dwarf.** Lb., 15 cts.; 100 lbs., $6.

**California Golden Long-Brush.** Grows from 12 to 14 feet high. Lb., 15 cts.; 100 lbs., $6.

**BROOM, Scotch (Genista scoparia).** The young growth of the roots is chiefly valuable as food for sheep and other animals in winter. It is also employed for the making of coarse brooms. Oz., 15 cts.; lb., $1.

**BURNET, Common Field (Poterium sanguisorba).** Perennial; makes excellent pasture for sheep; grows on the poorest ground—on dry, sandy or calcareous soils; resists the extremes of heat and cold, and is very vigorous. Sow in April, and again in September, with safnion, clover, rye, grass, etc., 30 lbs. to the acre. Lb., 25 cts.; 100 lbs., $20.

**CASTOR BEAN (Ricinus).** The plant from which castor-oil is made. Qt., 25 cts.; bus., $8.

**CATERPILLARS, HAIRY (Scorpiurus).** A curious plant; of interest only on account of the peculiar fruits from which its name is derived. Amusement is caused by mixing them in salads. Pkt. 10 cts.; oz. 60 cts.

**CHICORY, Large-rooted (Cichorium intybus).** When the roots are dried, roasted and ground they become the Chicory of commerce, and are used in adulterating coffee. Oz., 10 cts.; lb., 90 cts.

**COTTON SEED.**

**Sea Island.** Lb., 20 cts.; 100 lbs., $15.

**Upland.** Lb., 20 cts.; 100 lbs., $15.

**Upland Big Boll.** Very prolific. Lb., 25 cts.; 100 lbs., $20.

**COWPEAS (Vigna Catjang).** Specially adapted to warm countries; extensively grown in our southern states; also valuable in this latitude as a fodder-plant. The chief value of Cowpeas, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. Sow 1 bushel to the acre, in drills; 2 or 2½ bushels to the acre if sown broadcast.

**Black.** Standard variety; early and very prolific. Pk., $1.25; bus., $4.

**Clay.** A little later than the Black; prolific in both peas and growth of vine. Pk., $1.25; bus., $4.

**New Era.** Upright-growing, quick to mature and very prolific of peas. Pk., $1.25; bus., $4.

**Red Ripper.** Early and prolific, desirable sort. Pk., $1.25; bus., $4.

**Whippoorwill.** A favorite sort; makes a good growth of vine and very good for improving the land. Pk., $1.25; bus., $4.

**EMMER.** (Sometimes advertised as “Speltz,” though this name is incorrect, the true Speltz being a different article.) It is grown quite extensively in the Northwest, having been brought by the Germans from Russia, where it is considered a valuable cereal on account of its hardiness and drought-resisting qualities. Lb., 15 cts.; 100 lbs., $7.
FORAGE, ECONOMICAL AND MISCELLANEOUS SEEDS, continued

ESPARSETTE. See Onobrychis sativa.

FENUGREEK (Trigonella foenum-graecum). Annual. This seed is often sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for sowing when green. Oz., 10 cts.; lb., 25 cts.


FURZE (Ulex europaeus). Also known as Whin and Gorse. A perennial leguminous shrub. The crushed sprigs of one year’s growth of this shrub furnish an excellent green fodder in winter. It grows well on barren hillsides and in sandy soil. Sheep are fond of it. 25 lbs. to the acre. Oz., 20 cts.; lb., $2.


JERUSALEM CORN. See under Sorghum, page 51.

JUTE (Corchorus). Annual. Thrives in any good corn ground. Sow in drills, about 8 inches apart, 4 pounds to the acre. Requires no cultivation, as it will outstrip in growth all weeds. May be also sown broadcast, 6 or 7 pounds to the acre. Oz., 15 cts.; lb., 75 cts.

KAFFIR CORN. See under Sorghum, page 51.

KIDNEY VETCH, or Sand Clover. See Clowers, page 57.

LIQUORICE (Glycyrrhiza glabra). Seed in pods. Oz., 75 cts.

LOTUS corniculatus (Bird’s-foot Trefoil). Perennial; used in pastures. Cattle and sheep eat it readily, and it is said to be quite nutritious. It grows on the lightest and most sterile soils, and can withstand severe droughts. Is excellent for sowing in mixture for dry pastures. Lb., $1.

villosus, or major (Greater Bird’s-foot Trefoil). Lb., $2.

LUPINE, Yellow. Succeeds well in the poorest soil, and is exceedingly valuable for plowing in to improve sandy soils. It makes good forage, either green or as hay. The seeds are very fattening when used with hay. Sow in the spring when the ground has become thoroughly warm, at the rate of 90 lbs. to the acre. Lb., 15 cts.; 100 lbs., $8.

White (Large Flat Seed). One of the best plants known for green manure, as it gathers large quantities of nitrogen from the air. It may be sown from April to July, and plowed under when in flower. The seed, when burned, is excellent manure for orange and olive trees. Lb., 15 cts.; 100 lbs., $8.

Blue. Used for the same purpose as the White. Lb., 15 cts.; 100 lbs., $8.

MADDER (Rubia tinctoria). A perennial, the roots of which, when dried and reduced to powder, furnish a red coloring matter. Oz., 20 cts.; lb., $1.25.

MILLETS. See Miscellaneous Cereals, page 58.

ONOBRYCHIS sativa (French, Sainfoin; German, Esparsette). A perennial leguminous plant, belonging to the same family as clover and lucerne. It is a valuable plant for growing on poor land and barren hillsides. When once well established, it lasts for many years. If to be used for hay, cut just before the flowering period. Sow in spring, covering the seeds quite deeply, at the rate of 80 lbs. to 100 lbs. to the acre. Lb., 25 cts.; 100 lbs., $15.


PEARL MILLET (Pennisetum spicata). A valuable fodder-plant for the South; is enormously productive. Sow the seed in drills 18 inches apart, and 8 to 10 pounds to the acre. Lb., 15 cts.; 100 lbs., $12.

PEAS, Canadian Field. Valuable for northern climates, for cattle-feeding, especially for milch cows. It also makes fine forage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1 1/2 bushels to the acre; in drills, 2 to 3 bushels to the acre. Qt., 20 cts.; bus., $3.

PENICILLARIA spicata. See Pearl Millet.

POPPY, Opium (Papaver somniferum). The seed furnishes an agreeable sweet oil, used for the table, also for painting and for illuminating. May be sown in spring, either broadcast or in drills, covering thinly. Also cultivated for opium. Oz., 20 cts.; lb., 75 cts.

POLYGONUM sacha-inchi (Salcine). Hardy perennial, native of the island of Saghalin, between Japan and Siberia. It grows well on the poorest soils, and endures the extremes of heat and cold. Reaches a height of 10 to 12 feet, and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are eaten either green or dry by cattle and horses and are much relished. Clean seed, oz., 50 cts.; lb., $5.

RAMIE, Silver China Grass (Urtica virens). Extensively cultivated for its fiber. The seed should be germinated on cotton floating in lukewarm water, and transferred to a bed, screened from the hot sun. When the plants are 4 inches high, transplant to a field in rows 4 feet apart each way; when 3 feet high, turn them over and peg down, covering with earth, and they will start in every direction. Oz., $1; lb., $10.

RAPE, Dwarf Essex English (Brassica napus). Largely grown in the northern United States, and in Canada. It is excellent for sheep-pasture, and also for sowing. It may be sown in May, and will be ready for pasturing in July and August; or, it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sow broadcast, 10 pounds to the acre. Lb., 15 cts.; 100 lbs., $10.


SAINFOIN. See Onobrychis, page 60.
SACALINE. See Polygonum saccharatum, page 60.
SERADELLA (Ornithopus sativus). A valuable forage plant, admitting of one, and sometimes two, cuttings in one season. It succeeds well in a dry, sandy soil and furnishes a good pasture for sheep. It may also be cured for hay. Can be sown with winter rye. About 50 pounds to the acre. Lb., 18 cts.; 100 lbs., $12.
SNAILS (Medicago scutellata). Used in the same way as Caterpillars. Pkt., 10 cts.; oz., 50 cts.
SORGHUM. Twenty-five pounds required to the acre if sown in drills. For dry fodder, 2 bushels should be sown to the acre.
Halepense (Johnson Grass). One of the most valuable southern fodder plants. On rich soils it may be cut three or four times in a single season, and it is claimed that hay made from it is equal in value to timothy. Sow in August and September, 35 to 40 pounds to the acre. Lb., 20 cts.; 100 lbs., $15.
Holcus saccharatus (Sugar Millet). Rich in saccharine matter, and a large amount of nutritive fodder can be obtained from it. Lb., 15 cts.; 100 lbs., $10.
Red Kaffir Corn, or Sorghum. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Lb., 15 cts.; 100 lbs., $6.
White Kaffir Corn. Lb., 15 cts.; 100 lbs., $8.
Early Orange Sugar Cane. Ripens about ten days after Early Amber, and is said to produce a larger crop. Lb., 15 cts.; 100 lbs., $7.

Sorghum, Shallo. A non-saccharine Sorghum from India, also known as Egyptian wheat. Requires more room to develop than ordinary Sorghum, and consequently needs less seed to sow an acre. Lb., 15 cts.; 100 lbs., $7.
Yellow Branching (Yellow Milo Maize). Non-saccharine: useful for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb. 15 cts.; 100 lbs., $5.
SPURRY (Spergula arvensis). Annual. Grows well on poor, dry, sandy soil; may be sown every month from March to August. Excellent pasture for cattle and sheep; also of much value as a fertilizer for light soil. 15 pounds to the acre. Lb., 15 cts.; 100 lbs., $10.
Giant Spurry. Lb., 20 cts.; 100 lbs., $12.
SUNFLOWER, Large Russian. Lb., 12 cts.; 100 lbs., $9.
TEOSINTE. See Reana luxurians, page 60.
TOBACCO SEED. See page 47.
ULEX europea. See Furze, page 60.
VELVET BEAN. See page 59.
VETCHES, Spring Tares (Vicia sativa). Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable. Present quotation, lb., 10 cts.; 100 lbs., $6.50.
Sand, Winter or Hairy Vetch (Vicia villosa). Thrives on poor, arid, sandy soils. It may be sown either in fall or in spring, mixed with rye for a support. Grows 3 to 4 feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow from 30 to 50 lbs. to the acre. Price variable. Present quotation, lb., 18 cts.; 100 lbs., $15.
WALDMEISTER. See Asperula odorata, page 59.

FARMOMGERM
A preparation of high-bred, nitrogen-gathering bacteria in sealed bottles, ready to use, with water added according to directions. Bottles contain enough Farmomgerm to inoculate the seeds for one acre. Prepared for the following crops:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Clover</td>
<td>Cowpeas</td>
</tr>
<tr>
<td>Red Clover</td>
<td>Vetches</td>
</tr>
<tr>
<td>Crimson Clover</td>
<td>Canada Field Peas</td>
</tr>
<tr>
<td>Alsike Clover</td>
<td>Garden Peas</td>
</tr>
<tr>
<td>Alfalfa Clover</td>
<td>Sweet Peas</td>
</tr>
<tr>
<td>Garden Beans</td>
<td>Soy Beans</td>
</tr>
</tbody>
</table>

Price per acre bottle, $2; per five-acre bottle, $9.
State for what crop Farmomgerm is wanted, when ordering.

Also in garden size, enough for 1,000 square feet or a 200-foot row, for Peas, Beans, Sweet Peas and White Clover, at 50 cts. per bottle. We secure cultures fresh from the laboratory, hence it takes two or three days to fill orders.
Tree and Shrub Seeds

To preserve seeds of Conifers and other Evergreen Trees, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude, the seeds should be sown thinly, as early in the spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants dump off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and winds, and to keep the birds from destroying them. Seeds of the rarer sorts may be sown in coldframes or boxes; if in coldframes, the ashes should be shaded and the frames raised at the corners 3 or 4 inches to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain one to two years before transplanting.

The propagation of Deciduous Trees from seed is less difficult than that of Evergreen species. Acorns, Hickorynuts, Chestnuts and Walnuts should be planted in autumn, or kept during the winter in earth or moss. They shrivel up by too long exposure to the air, and many of them lose their vitality. Those seeds with hard shells, like the Locust, Gymnocladus, etc., should be planted in autumn or placed in boxes with sand, and exposed to frost before planting. They may not germinate till the second year after planting, and if they are received too late in the spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. American Elm, Silver Maple and a few other sorts ripen their seeds early in summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other Deciduous Trees and Shrubs should be planted from the middle of April to the middle of May, in drills about 2 feet apart, and covered about ¾ inch in depth, according to size.

Some of the varieties here offered are on hand now; many are due from foreign countries, where they are being collected for us. We are, of course, uncertain of getting all of them. As the season advances, many sorts become worthless from various causes, or are sold out, and cannot be replaced until the new crop is ready next season.

EVEGREEN TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

<table>
<thead>
<tr>
<th>Abies alba (White Spruce)</th>
<th></th>
<th></th>
<th>Per oz.</th>
<th>Per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>amabilis (Silver Fir)</td>
<td>60</td>
<td>60</td>
<td>04.50</td>
<td>04.50</td>
</tr>
<tr>
<td>Balsamea (Balm of Gilead; Balsam Fir)</td>
<td>15</td>
<td>15</td>
<td>05.50</td>
<td>05.50</td>
</tr>
<tr>
<td>brachyphylla (Short-leaved Japan Fir)</td>
<td>30</td>
<td>30</td>
<td>06.00</td>
<td>06.00</td>
</tr>
<tr>
<td>canadensis (Hemlock Spruce)</td>
<td>50</td>
<td>50</td>
<td>07.00</td>
<td>07.00</td>
</tr>
<tr>
<td>concolor (Calif. White Silver Fir)</td>
<td>30</td>
<td>30</td>
<td>07.50</td>
<td>07.50</td>
</tr>
<tr>
<td>firma (Japan Silver Fir)</td>
<td>20</td>
<td>20</td>
<td>08.00</td>
<td>08.00</td>
</tr>
<tr>
<td>Mariesii (Japan Silver Fir)</td>
<td>50</td>
<td>50</td>
<td>09.00</td>
<td>09.00</td>
</tr>
<tr>
<td>nobilis (Noble Fir)</td>
<td>40</td>
<td>40</td>
<td>09.50</td>
<td>09.50</td>
</tr>
<tr>
<td>Nordmanniana (Nordmann’s Fir)</td>
<td>20</td>
<td>20</td>
<td>10.00</td>
<td>10.00</td>
</tr>
<tr>
<td>pectinata (European Silver Fir)</td>
<td>10</td>
<td>10</td>
<td>10.50</td>
<td>10.50</td>
</tr>
<tr>
<td>pinsapo (Spanish Fir)</td>
<td>25</td>
<td>25</td>
<td>11.00</td>
<td>11.00</td>
</tr>
<tr>
<td>sibirica (Siberian Silver Fir)</td>
<td>30</td>
<td>30</td>
<td>11.50</td>
<td>11.50</td>
</tr>
<tr>
<td>Veitchii. From Japan</td>
<td>30</td>
<td>30</td>
<td>12.00</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Arborviteæ. See Thuja.

Arctostaphylos gauca (Great-berried Manzanita) | 20| 20| 01.00  | 01.00  |
| tomentosa (Woolly-branched Strawberru Tree) | 20| 20| 02.00  | 02.00  |

Buxus sempervirens (Evergreen Box) | 30| 30| 03.00  | 03.00  |

Cedrus atlantica (Mt. Atlas Cedar) | 40| 40| 04.00  | 04.00  |
| deodara (Himalayan Cedar) | 35| 35| 05.00  | 05.00  |
| libani (Cedar of Lebanon) | 30| 30| 06.00  | 06.00  |

Chamaecyparis obtusa (Hinoki Cypress) | 40| 40| 07.00  | 07.00  |
| Lawsoniana | 20| 20| 08.00  | 08.00  |
| pisifera (Sawara Cypress) | 50| 50| 09.00  | 09.00  |
| Cryptomeria japonica (Japan Cedar) | 25| 25| 10.00  | 10.00  |

Cypressus

| arizonica (Arizona Cypress) | 50| 50| 06.00  | 06.00  |
| horizontalis (Horizontal Cypress) | 15| 15| 07.00  | 07.00  |
| macrocarpa (Montery Cypress) | 20| 20| 08.00  | 08.00  |
| pyramidalis | 10| 10| 09.00  | 09.00  |
| sempervirens (Evergreen Cypress) | 10| 10| 10.00  | 10.00  |

Fir Tree. See Abies and Picea.

Juniperus

| argentea | 15| 15| 10.00  | 10.00  |
| bermudiana (Pencil-wood Cedar) | 15| 15| 11.00  | 11.00  |
| Californica | 30| 30| 12.00  | 12.00  |
| communis (European Juniper) | 10| 10| 13.00  | 13.00  |
| monosperma | 10| 10| 14.00  | 14.00  |
| occidentalis | 20| 20| 15.00  | 15.00  |
| oxycedrus (Sharp-leaved Cedar) | 30| 30| 16.00  | 16.00  |
| virginiana (Red Cedar) | 10| 10| 17.00  | 17.00  |

Libocedrus deccurrens (California White Cedar) | 40| 40| 18.00  | 18.00  |

Norway Spruce. See Picea excelsa.

Photinia arbutifolia | 15| 15| 19.00  | 19.00  |

Picea ajanensis. From Japan | 60| 60| 20.00  | 20.00  |
| Alcockiana (Japan Fir) | 50| 50| 21.00  | 21.00  |
| Douglasii (Douglas’ Spruce) | 40| 40| 22.00  | 22.00  |
| Engelmanni | 50| 50| 23.00  | 23.00  |
| excelsa (Norway Spruce) | 20| 20| 24.00  | 24.00  |
| Menziesii (Menzie’s Fir) | 50| 50| 25.00  | 25.00  |
| nigra (Black Spruce) | 50| 50| 26.00  | 26.00  |
| polita (Tiger’s Tail Fir) | 60| 60| 27.00  | 27.00  |
| pungens (Colorado Blue Spruce) | 50| 50| 28.00  | 28.00  |
| rubra (Red Spruce) | 45| 45| 29.00  | 29.00  |
**DECIDUOUS TREE AND SHRUB SEEDS**

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

<table>
<thead>
<tr>
<th>Name</th>
<th>Per oz.</th>
<th>Per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>macrophyllum (Large-leaved Maple)</td>
<td>$0 15</td>
<td>$1 50</td>
</tr>
<tr>
<td>Negundo (Box Elder)</td>
<td>10</td>
<td>75</td>
</tr>
<tr>
<td>pennsylvanicum (Striped Maple)</td>
<td>25</td>
<td>2 50</td>
</tr>
<tr>
<td>platanoides (Norway Maple)</td>
<td>15</td>
<td>1 00</td>
</tr>
<tr>
<td>pseudo-platanus (Sycamore Maple)</td>
<td>10</td>
<td>80</td>
</tr>
<tr>
<td>rubrum (Swamp Maple)</td>
<td>15</td>
<td>1 50</td>
</tr>
<tr>
<td>saccharum (Sugar Maple)</td>
<td>15</td>
<td>1 00</td>
</tr>
<tr>
<td><em>Aesculus</em> glabra (Fetid or Ohio Buck-eye)</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td><em>Ailanthus</em> glandulosus (Tree of Heaven)</td>
<td>15 1 50</td>
<td></td>
</tr>
<tr>
<td><em>Almond</em>. See <em>Amygdales</em>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Alnus</em> oregona (Oregon Alder)</td>
<td>40</td>
<td>4 00</td>
</tr>
<tr>
<td>rugosa</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Amorpha</em> fruticosa (False Indigo)</td>
<td>15</td>
<td>1 00</td>
</tr>
<tr>
<td><em>Ampelopsis</em> hederaecea (Woodbine)</td>
<td>10</td>
<td>1 00</td>
</tr>
<tr>
<td>quinquefolia (Virginia Creeper)</td>
<td>15</td>
<td>1 50</td>
</tr>
<tr>
<td>Veitchii (Boston Ivy)</td>
<td>25</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Amygdales</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vulgaris dulcis (Sweet Almond)</td>
<td>10</td>
<td>1 00</td>
</tr>
<tr>
<td>vulgaris amara (Bitter Almond)</td>
<td>10</td>
<td>1 00</td>
</tr>
<tr>
<td><em>Aralia</em> cordata (Udo Salad)</td>
<td>25</td>
<td>2 50</td>
</tr>
<tr>
<td>spinosa (Virginia Angelica Tree)</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Arbutus</em> Uvedo (Strawberry Bush)</td>
<td>30</td>
<td>3 00</td>
</tr>
<tr>
<td><em>Aristolochia</em> siphon (Dutchman’s Pipe)</td>
<td></td>
<td>$0 50  $5 00</td>
</tr>
<tr>
<td><em>Ash</em>. See <em>Fraxinus</em>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Asimina</em> triloba (Pawpaw)</td>
<td>15</td>
<td>1 50</td>
</tr>
<tr>
<td><em>Azalea</em>. calandulacea (Flame-colored Azalea)</td>
<td>50 5 00</td>
<td></td>
</tr>
<tr>
<td><em>Berberis</em> japonica</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td>Thunbergii. Fine for hedges</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Betula</em> alba (White European Birch)</td>
<td>25 2 50</td>
<td></td>
</tr>
<tr>
<td><em>Boston Ivy</em>. See <em>Ampelopsis Veitchii</em>.</td>
<td>15 1 50</td>
<td></td>
</tr>
<tr>
<td><em>Broom</em>. See <em>Genista</em>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Broussonetia</em> papyrifera (Paper Mulberry)</td>
<td>25 2 50</td>
<td></td>
</tr>
<tr>
<td><em>Callicarpa</em> americana (French Mulberry)</td>
<td>10 1 00</td>
<td></td>
</tr>
<tr>
<td><em>Calycanthus</em> floridus (Common Carolina Allspice)</td>
<td>15 1 00</td>
<td></td>
</tr>
<tr>
<td><em>Betula</em> alba (Western Alpspine)</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Camellia</em> japonica. From Japan</td>
<td>20</td>
<td>2 00</td>
</tr>
<tr>
<td><em>Camphor</em>. See <em>Cinnamomum</em>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Carpenteria</em> californica</td>
<td>1</td>
<td>75</td>
</tr>
</tbody>
</table>
### Deciduous Tree and Shrub Seeds, continued

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Per oz.</th>
<th>Per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Carpinus americana</strong></td>
<td><em>C. americana</em></td>
<td>$0.20</td>
<td>$1.50</td>
</tr>
<tr>
<td><strong>Carya amara</strong> (Bitternut)</td>
<td><em>Carya amara</em></td>
<td>$0.20</td>
<td>$1.75</td>
</tr>
<tr>
<td><strong>Carya alba</strong> (Shellbark Hickory)</td>
<td><em>Carya alba</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Carya porcina</strong> (Pignut Hickory)</td>
<td><em>Carya porcina</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Carya sulcata</strong> (Big Shellbark Hickory)</td>
<td><em>Carya sulcata</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Castanea dentata</strong></td>
<td><em>C. dentata</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Camelia</strong></td>
<td><em>Camellia japonica</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Cephalanthus occidentalis</strong></td>
<td><em>C. texensis</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Cercidiphyllum japonicum</strong></td>
<td><em>Cercis japonica</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Cercis canadensis</strong> (Redbud)</td>
<td><em>Cercis canadensis</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Cinnamomum</strong></td>
<td><em>Cinnamomum</em></td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><em><em>Citrus</em> trifoliata</em>* (Hardy Orange)</td>
<td><em>Citrus</em> trifoliata</td>
<td>$0.10</td>
<td>$1.00</td>
</tr>
<tr>
<td><strong>Cladrastis lutea</strong></td>
<td><em>Cladrastis lutea</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Clematis</strong></td>
<td><em>Clematis</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Cornus alternifolia</strong></td>
<td><em>Cornus alternifolia</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Deutzia</strong></td>
<td><em>Deutzia</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Elaeagnus</strong></td>
<td><em>Elaeagnus</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><strong>Eqhochorda</strong></td>
<td><em>E. virginiana</em></td>
<td>$0.15</td>
<td>$1.25</td>
</tr>
<tr>
<td><em><em>Fagus</em> americana</em>*</td>
<td><em>Fagus</em> americana</td>
<td>$0.10</td>
<td>$0.80</td>
</tr>
<tr>
<td><strong>Fraxinus quadrangulata</strong></td>
<td><em>Fraxinus quadrangulata</em></td>
<td>$0.15</td>
<td>$1.50</td>
</tr>
</tbody>
</table>
### DECIDUOUS TREE AND SHRUB SEEDS, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Per oz</th>
<th>Per lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rhododendron</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>catawbiense</td>
<td>40</td>
<td>4.00</td>
</tr>
<tr>
<td>maximum (Great Laurel)</td>
<td>40</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>Rhus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>copallina (Dwarf Sumach)</td>
<td>75</td>
<td>1.50</td>
</tr>
<tr>
<td>cotinus (Smoke Tree)</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td>glabra (Scarlet Sumach)</td>
<td>50</td>
<td>1.00</td>
</tr>
<tr>
<td>typhina (Staghorn Sumach)</td>
<td>15</td>
<td>1.25</td>
</tr>
<tr>
<td><strong>Ribes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sanguineum (Red-flowered Currant)</td>
<td>40</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>Robinia</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pseudacacca (Yellow or Black Locust)</td>
<td>15</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Rosa</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>canina (Briar Rose). Clean seed</td>
<td>80</td>
<td>2.00</td>
</tr>
<tr>
<td>carolina (Swamp Rose)</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>humilis (Low Rose)</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td>lucida (Dwarf Wild Rose)</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td>nitida</td>
<td></td>
<td></td>
</tr>
<tr>
<td>rubiginosa (Sweetbriar)</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>rugosa</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td><strong>Salisburia</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>adiantiformia (Maidenhair Tree)</td>
<td>80</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Sambucus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>canadensis (American Elder)</td>
<td>80</td>
<td>2.00</td>
</tr>
<tr>
<td>glauca (California Elder)</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td>nigra</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>pubens</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Sassafras officinale</strong> (Sassafras Tree)</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td><strong>Sophora</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>japonica (Japan Pagoda Tree)</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Spartium</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>scoparia. See Genista.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FRUIT SEEDS

<table>
<thead>
<tr>
<th>Name</th>
<th>Per oz</th>
<th>Per lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Apple Seed</strong>, American</td>
<td>$10</td>
<td>$20.00</td>
</tr>
<tr>
<td><strong>Apple, Paradise</strong> (Pyrus paradisiaca)</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Apricot Pits</strong></td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td><strong>Cherry Pits</strong>, Mahaleb</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>Black Mazzard</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Domestic</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td><strong>Currant</strong>, Black</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Red Dutch</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td>White Dutch</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Gooseberry</strong>, Green and Yellow</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Large Red</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>Peach Pits</strong>, Natural. qt. 15c.; bus: $2.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SEEDS OF HEDGE PLANTS

For prices, see under head of Tree Seeds

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Barberry</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Berberis Thunbergii</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Furze, or Gorse</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ulex europaea.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Locust</strong>, Honey</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cistus trianlanthos.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robinia pseudacacia.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Norway Spruce</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Picea excelsa.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Osage Orange</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maclura aurantiaca.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Privet, Common</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ligustrum vulgare.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sheepberry</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Black Haw). Viburnum prunifolium.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Flower Seeds

PRACTICAL DIRECTIONS FOR CULTURE, TREATMENT, ETC.

HARDY ANNUALS (hA).—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed or, if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. For sowing seeds in there is nothing better than shallow boxes from 2 to 3 inches deep, and of any convenient size. The most suitable soil for all the smaller kinds is a very fine, rich, sandy loam. That from old hotbeds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years and then mixed with a little old stable manure and sand. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will “damp off.” When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. If pots 2 inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings along the edges of the pot, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. When pots cannot be had, boxes, tin cans, etc., may be substituted.

A common mistake in sowing flower, as well as other, seeds, is covering too deeply. The exception to this is the Sweet Pea which is seldom planted deep enough. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Portalucas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the weather better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The seeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open, and in September in boxes and placed in coldframes. They will make strong plants by spring, and flower early. Do not put in the ashes until heavy rains and frosts begin, and then always remove during the day whenever the temperature is above freezing in winter.

HARDY BIENNIALS (hB) and HARDY PERENNIALS (hP).—These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September. The seeds of many Perennials require several months, some even as long as two years, before they germinate. It is a good plan, at the commencement of frost, to cover the plants lightly with straw, leaves or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out of the ground in the spring, remove the covering and loosen the surface around the plants, which, when large enough, may be transplanted to the flower-garden where they are to remain.

HALF-HARDY ANNUALS (hhA).—These may be sown in shallow boxes, pots or a hotbed, as directed for Hardy Annuals. They may be sown thus at any time after the middle of April, as the hotbed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May, sow in the border, like Hardy Annuals.

HALF-HARDY BIENNIALS (hhB) and HALF-HARDY PERENNIALS (hhP) require the same treatment. Though plants and their blooms are greatly forwarded by sowing the seeds early in boxes under cover, it may be stated that nearly all kinds of Hardy and Half-hardy Flower Seeds may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm; so that those who have no glass frames or greenhouses need not be without flowers. They can have them, but it will be later.

TENDER ANNUALS, BIENNIALS and PERENNIALS.—The best method to obtain an early bloom of the Tender Annuals (tA), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The seed should be sown in a very light, sandy compost, and the pots well drained by placing broken pots or bits of sod in the bottom. The finer seeds must not be covered more than an eighth of an inch deep, and the soil pressed down closely over them. Water frequently, particularly if the house or hotbed is very warm. As soon as the plants are out of the seed-leaf, transplant them into shallow boxes or small pots, and when they have acquired sufficient strength, transplant into the flower-beds; but, however, before the middle of May.

GREENHOUSE SEEDS (g) should be sown as directed for Tender Annuals, in pans, pots or shallow boxes, and till in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun till strong enough to transplant may be their treatment. Most winter in the greenhouse. Plants are sometimes difficult to make germinate unless great care be taken in the mode of sowing. Hence, the supposition arises that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mold or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top so that the mold may not afterward sink materially with watering. Sow the seed very thinly and lightly with a very thin silver sand. Success is more certain if a pane of glass is placed over the pan or box till the plants have appeared, when it should be removed. As soon as the young plants have two leaves, they should be transplanted into similar compost in another pan or box. After transplanting, they should be kept in a shady part of the greenhouse for a few days, and watered very sparingly.
CATALOGUE OF HIGH-CLASS SEEDS

ASTER One of the very best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers, sow in March or April in coldframe, spent hotbed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and, when the plants have three or four leaves, transplant about 18 inches apart each way into well-prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

BALL, or JEWEL. Flowers long-stemmed, quite round; desirable for cutting; plants dwarf and can be planted clover sorts; free-flowering. Pk.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50140</td>
<td>10</td>
</tr>
<tr>
<td>Crimson</td>
<td>50145</td>
<td>10</td>
</tr>
<tr>
<td>Lavender</td>
<td>50150</td>
<td>10</td>
</tr>
<tr>
<td>Pink</td>
<td>50155</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50160</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50165</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50170</td>
</tr>
</tbody>
</table>

BRANCING. Forms broad bushes, with large, long-petaled flowers, graceful and feathery in effect; excellent for cut-flowers; 2½ feet. Pk.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50140</td>
<td>10</td>
</tr>
<tr>
<td>Crimson</td>
<td>50145</td>
<td>10</td>
</tr>
<tr>
<td>Lavender</td>
<td>50150</td>
<td>10</td>
</tr>
<tr>
<td>Pink</td>
<td>50155</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50160</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50165</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50170</td>
</tr>
</tbody>
</table>

CHRISTMAS TREE. Very fine class.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>50210</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50215</td>
<td>10</td>
</tr>
<tr>
<td>Scarlet</td>
<td>50220</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50225</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50230</td>
</tr>
</tbody>
</table>

COMET, Giant. Very large flowers. Grows 2 feet.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50270</td>
<td>10</td>
</tr>
<tr>
<td>Light Blue</td>
<td>50275</td>
<td>10</td>
</tr>
<tr>
<td>Crimson</td>
<td>50280</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50285</td>
<td>10</td>
</tr>
<tr>
<td>Sulphur-Yellow</td>
<td>50290</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50295</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50300</td>
</tr>
</tbody>
</table>

COMET, Half Dwarf. Petals wavy reflexed, curled and twisted; flowers of extraordinary size and beauty. Pk.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Blue</td>
<td>50345</td>
<td>10</td>
</tr>
<tr>
<td>Brick-color</td>
<td>50350</td>
<td>10</td>
</tr>
<tr>
<td>Carmine</td>
<td>50355</td>
<td>10</td>
</tr>
<tr>
<td>Peach Blossom</td>
<td>50360</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50365</td>
<td>10</td>
</tr>
<tr>
<td>Snow-White</td>
<td>50370</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50375</td>
</tr>
</tbody>
</table>

CREGO, Giant. On the style of "Giant Comet," large flowers. Fine for cutting; 2 feet.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimson</td>
<td>50415</td>
<td>10</td>
</tr>
<tr>
<td>Dark Blue</td>
<td>50420</td>
<td>10</td>
</tr>
<tr>
<td>Lavender</td>
<td>50425</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50430</td>
<td>10</td>
</tr>
<tr>
<td>Shell-Pink</td>
<td>50435</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50440</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 85c., oz.</td>
<td>3 $50445</td>
</tr>
</tbody>
</table>

DWARF CHRYSANTHEMUM - FLOWERED. Large, chrysanthemum-like flowers; 10 to 12 inches. Pkt.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Blue</td>
<td>50495</td>
<td>10</td>
</tr>
<tr>
<td>Carmine</td>
<td>50495</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50500</td>
<td>10</td>
</tr>
<tr>
<td>Scarlet</td>
<td>50505</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50510</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 75c., oz. $2.50</td>
<td>50515</td>
</tr>
</tbody>
</table>

DWARF NON PLUS ULTRA. Beautiful class; grows 6 inches high; fine for borders.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50555</td>
<td>10</td>
</tr>
<tr>
<td>Crimson</td>
<td>50560</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50565</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50570</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 60c., oz.</td>
<td>3 $50575</td>
</tr>
</tbody>
</table>

HOHENZOLLERN. Plants grow strong and sturdy, and the flowers are carried on long, stiff stems, making them valuable for cuttings.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50615</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50620</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50625</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 75c., oz. $2.50</td>
<td>50630</td>
</tr>
</tbody>
</table>

OSTRICH-PLUME. Splendid class; fine for cutting; rivals the chrysanthemum in effect.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50670</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50675</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50680</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 60c., oz. $2</td>
<td>50685</td>
</tr>
</tbody>
</table>

QUEEN OF THE MARKET. The best early Aster; of graceful, spreading habit, and bearing its flowers on long stems. Height 1½ feet.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50725</td>
<td>10</td>
</tr>
<tr>
<td>Light Blue</td>
<td>50730</td>
<td>10</td>
</tr>
<tr>
<td>Crimson</td>
<td>50735</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50740</td>
<td>10</td>
</tr>
<tr>
<td>Scarlet</td>
<td>50745</td>
<td>10</td>
</tr>
<tr>
<td>Violet-Red</td>
<td>50750</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50755</td>
<td>10</td>
</tr>
<tr>
<td>Mixed</td>
<td>.25 oz. 40c., oz. $1.25</td>
<td>50760</td>
</tr>
</tbody>
</table>

RAY. Splendid, large flowers, carried on long, stiff stems; fine for cutting.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt. Price</th>
<th>Oz. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>50800</td>
<td>10</td>
</tr>
<tr>
<td>Rose</td>
<td>50805</td>
<td>10</td>
</tr>
<tr>
<td>White</td>
<td>50810</td>
<td>10</td>
</tr>
</tbody>
</table>
ASTERS, continued

TRUFFAUT’S PÉONY PERFECTION. Grows stiffly erect and about 18 inches tall. Remarkable for the brilliant colors of its great, incurved flowers. Pkt.

<table>
<thead>
<tr>
<th>Color</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amethyst</td>
<td>50840</td>
</tr>
<tr>
<td>Light Blue</td>
<td>50845</td>
</tr>
<tr>
<td>Crimson</td>
<td>50850</td>
</tr>
<tr>
<td>Rose</td>
<td>50855</td>
</tr>
<tr>
<td>Scarlet</td>
<td>50860</td>
</tr>
<tr>
<td>Snow-White</td>
<td>50865</td>
</tr>
<tr>
<td>Mixed</td>
<td>1/4 oz. 75c., oz. $2.50 50870</td>
</tr>
</tbody>
</table>

VICTORIA, Dwarf. Plants bear from 10 to 20 beautifully reflexed flowers in pyramids of about 18 inches high. The best sort for pot culture. Pkt.

<table>
<thead>
<tr>
<th>Color</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50910</td>
</tr>
<tr>
<td>Light Blue</td>
<td>50915</td>
</tr>
<tr>
<td>Peach Blossom</td>
<td>50920</td>
</tr>
<tr>
<td>Rose</td>
<td>50925</td>
</tr>
<tr>
<td>Dark Scarlet</td>
<td>50930</td>
</tr>
<tr>
<td>White</td>
<td>50935</td>
</tr>
<tr>
<td>Mixed</td>
<td>1/4 oz. 75c., oz. $2.50 50940</td>
</tr>
</tbody>
</table>

VICTORIA, Tall. Large flowers, recurved petals; a superb class; grows 2 feet. Pkt.

<table>
<thead>
<tr>
<th>Color</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>50980</td>
</tr>
<tr>
<td>Light Blue</td>
<td>50985</td>
</tr>
</tbody>
</table>

Victoria, Tall, continued

<table>
<thead>
<tr>
<th>Color</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peach Blossom</td>
<td>50990</td>
</tr>
<tr>
<td>Rose</td>
<td>50995</td>
</tr>
<tr>
<td>Dark Scarlet</td>
<td>51000</td>
</tr>
<tr>
<td>White</td>
<td>51005</td>
</tr>
<tr>
<td>Mixed</td>
<td>1/2 oz. 85c., oz. 3. 51010</td>
</tr>
</tbody>
</table>

VARIOUS ASTERS

DAYBREAK. Shell-pink. 1/4 oz. 85c. 51060

LADY ASTER (Lady in White). Pure white. 51070

MIGNON. Similar to Victoria; very floriferous. Crimson 51080

Dark Blue 51090

Pure White 51100

PURITY. Snow-white. 1/4 oz. 85c. 51110

VIOLET KING. Rich violet-purple; large flowers. 1/4 oz. $.1 51120

MIXED GERMAN, QUILLED. oz. 50c. 51130

SINGLE ANNUAL, MIXED. oz. 25c. 51140

Collections of Choice Asters

These collections are put up by the famous German Aster-growers, and they contain only seed saved from the very finest plants. In each collection the colors are separate, the collection of 2 Victoria Prize, for instance, containing one packet each of 24 separate and distinct colors of that class.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Victoria Prize</td>
<td>51300</td>
</tr>
<tr>
<td>18 &quot; &quot; &quot; &quot;</td>
<td>51310</td>
</tr>
<tr>
<td>12 &quot; &quot; &quot; &quot; &quot;</td>
<td>51320</td>
</tr>
<tr>
<td>6 &quot; &quot; &quot; &quot; &quot;</td>
<td>51330</td>
</tr>
<tr>
<td>24 Truffaut’s Perfection</td>
<td>51340</td>
</tr>
<tr>
<td>18 &quot; &quot; &quot; &quot; &quot;</td>
<td>51350</td>
</tr>
<tr>
<td>12 &quot; &quot; &quot; &quot; &quot;</td>
<td>51360</td>
</tr>
<tr>
<td>6 &quot; &quot; &quot; &quot; &quot;</td>
<td>51370</td>
</tr>
<tr>
<td>6 Branching</td>
<td>51380</td>
</tr>
<tr>
<td>18 Dwarf Chrysanthemum-flowered</td>
<td>51420</td>
</tr>
<tr>
<td>12 &quot; &quot; &quot; &quot; &quot;</td>
<td>51430</td>
</tr>
<tr>
<td>6 &quot; &quot; &quot; &quot; &quot;</td>
<td>51440</td>
</tr>
<tr>
<td>12 Pyramidal Dwarf Bouquet</td>
<td>51450</td>
</tr>
<tr>
<td>8 &quot; &quot; &quot; &quot; &quot;</td>
<td>51470</td>
</tr>
</tbody>
</table>

6 Pyramidal Dwarf Bouquet 51480
6 Comet 51490
6 " " 51494
6 " " 51500
8 " " 51510
6 " " 51520
6 " " 51540
6 " " 51550
6 " " 51560
6 " " 51570
6 " " 51580
6 " " 51590
6 " Ball, or Jewel 51610

OUR IMPORTED COLLECTIONS OF ASTERS ARE WELL WORTH A TRIAL
SWEET PEAS (Lathyrus odoratus) hA

N. B.—Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue, as, owing to short crops again last year, it will be difficult to replace the seed when our supply is sold.

Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf and branching, and bloom more freely, some varieties showing three or four blooms on a stem.

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 12 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 to 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good, rich condition, bone meal is the best fertilizer.

We do not sell less than 1 oz., ½ lb. or ¼ lb. at the prices quoted per oz., ½ lb., ¼ lb. and lb. respectively. This applies to all types and to the mixtures.

In order to assist our customers in making their selections, we group the different varieties according to color.

### Thorburn's Selected Sweet Peas

<table>
<thead>
<tr>
<th>Assortment, containing 1 pkt. each of 40 named varieties, OUR SELECTION</th>
<th>52000</th>
<th>$1.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;</td>
<td>1</td>
<td>&quot;</td>
</tr>
<tr>
<td>&quot;</td>
<td>1</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

### NAMED LARGE-FLOWERED (GRANDIFLORA) SWEET PEAS

All five cents per packet, except where quoted otherwise

#### Light Blue and Lavender

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Countess of Radnor.</td>
<td>Lovely delicate mauve</td>
<td>52200</td>
</tr>
<tr>
<td>Flora Norton.</td>
<td>A pure bright blue</td>
<td>52220</td>
</tr>
<tr>
<td>Lady Grisel Hamilton.</td>
<td>Beautiful pale lavender</td>
<td>52250</td>
</tr>
<tr>
<td>Mrs. George Higginson, Jr.</td>
<td>A distinct pale blue</td>
<td>52280</td>
</tr>
<tr>
<td>Mrs. Walter Wright.</td>
<td>Mauve, with bright mauve wings</td>
<td>52300</td>
</tr>
</tbody>
</table>

#### Dark Blue and Purple

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Captain of the Blues.</td>
<td>Standard purple, wings bright blue</td>
<td>52350</td>
</tr>
<tr>
<td>Countess of Cadogan.</td>
<td>Reddish mauve standard, violet-blue wings</td>
<td>52370</td>
</tr>
<tr>
<td>Duke of Westminster.</td>
<td>Rosy maroon and violet-purple</td>
<td>52390</td>
</tr>
<tr>
<td>Lord Nelson.</td>
<td>A fine, rich, bright blue</td>
<td>52410</td>
</tr>
<tr>
<td>Navy Blue.</td>
<td>Deep violet-blue</td>
<td>52430</td>
</tr>
</tbody>
</table>

#### Claret and Maroon

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Knight.</td>
<td>Fine, self-colored, deep maroon</td>
<td>52480</td>
</tr>
<tr>
<td>Black Michael.</td>
<td>Dark bronzy chocolate, wings purplish</td>
<td>52500</td>
</tr>
<tr>
<td>Othello.</td>
<td>Fine, deep maroon</td>
<td>52520</td>
</tr>
<tr>
<td>Shahzada.</td>
<td>Dark maroon, shaded purple</td>
<td>52540</td>
</tr>
</tbody>
</table>

#### Crimson and Scarlet

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Her Majesty.</td>
<td>Fine rosy crimson</td>
<td>52610</td>
</tr>
<tr>
<td>King Edward VII.</td>
<td>A fine, self-colored, bright crimson</td>
<td>52630</td>
</tr>
<tr>
<td>Queen Alexandra.</td>
<td>A fine scarlet shade</td>
<td>52670</td>
</tr>
<tr>
<td>Salopian.</td>
<td>Very fine, sunproof scarlet</td>
<td>52690</td>
</tr>
</tbody>
</table>
### SWEET PEAS, LARGE-FLOWERED (GRANDIFLORA), continued

#### Orange and Salmon

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolton's Pink</td>
<td>A soft salmon-orange-pink</td>
<td>52740</td>
<td>$0.20</td>
</tr>
<tr>
<td>Evelyn Byatt</td>
<td>A fine, fiery orange-color</td>
<td>52760</td>
<td>20</td>
</tr>
<tr>
<td>Gorgeous</td>
<td>Very fine orange-salmon</td>
<td>52780</td>
<td>30</td>
</tr>
<tr>
<td>Lady Mary Currie</td>
<td>Orange-pink, shaded rose</td>
<td>52820</td>
<td>20</td>
</tr>
<tr>
<td>Miss Willmott</td>
<td>Orange-pink; one of the finest</td>
<td>52840</td>
<td>30</td>
</tr>
<tr>
<td>Sibyl Eckford</td>
<td>Light salmon and buff</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Pink (Light Shades)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lovely</td>
<td>Shell-pink, shaded light rose toward edges</td>
<td>52910</td>
<td>20</td>
</tr>
<tr>
<td>Prima Donna</td>
<td>Fine, large; soft pink</td>
<td>52930</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Pink (Deeper Shades)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple Blossom</td>
<td>Bright pink and blush, beautifully shaded</td>
<td>52980</td>
<td>30</td>
</tr>
<tr>
<td>Janet Scott</td>
<td>Deep pink; a fine, large flower</td>
<td>53000</td>
<td>20</td>
</tr>
<tr>
<td>Katherine Tracy</td>
<td>A fine, brilliant pink</td>
<td>53020</td>
<td>20</td>
</tr>
<tr>
<td>Majestic</td>
<td>A splendid deep pink; self-colored</td>
<td>53040</td>
<td>30</td>
</tr>
<tr>
<td>Royal Rose</td>
<td>Deep pink, wings pale; fine flower</td>
<td>53060</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Pink (Rose-Pink)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hon. F. Bouverie</td>
<td>Standard flesh-pink, wings rosy buff</td>
<td>53130</td>
<td>30</td>
</tr>
<tr>
<td>Prince of Wales</td>
<td>A fine, self-colored rose</td>
<td>53170</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Pink and White (Bicolor)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blanche Ferry, Extra Early</td>
<td>Pink and white; popular sort.</td>
<td>53220</td>
<td>30</td>
</tr>
<tr>
<td>Blanche Ferry</td>
<td>Carmine-rose with white wings</td>
<td>53240</td>
<td>20</td>
</tr>
<tr>
<td>Dainty</td>
<td>White with pink edge; fine</td>
<td>53260</td>
<td>30</td>
</tr>
<tr>
<td>Lottie Eckford</td>
<td>Rose and white, faintly edged blue</td>
<td>53280</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Striped and Mottled

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>America</td>
<td>White, striped orange-scarlet</td>
<td>53330</td>
<td>20</td>
</tr>
<tr>
<td>Aurora</td>
<td>White, flaked and striped orange-salmon</td>
<td>53350</td>
<td>20</td>
</tr>
<tr>
<td>Gray Friar</td>
<td>Fine, large; purple striped on white</td>
<td>53370</td>
<td>30</td>
</tr>
<tr>
<td>Helen Pierce</td>
<td>White, mottled bright blue; distinct</td>
<td>53390</td>
<td>30</td>
</tr>
<tr>
<td>Mrs. Joseph Chamberlain</td>
<td>White, striped with rose; fine sort.</td>
<td>53410</td>
<td>20</td>
</tr>
<tr>
<td>Prince Olaf</td>
<td>White, striped and mottled with blue</td>
<td>53430</td>
<td>20</td>
</tr>
<tr>
<td>Princess of Wales</td>
<td>Striped mauve on white ground</td>
<td>53450</td>
<td>30</td>
</tr>
<tr>
<td>Senator</td>
<td>Maroon and violet striped on white</td>
<td>53470</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Pure White

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blanche Burpee</td>
<td>Snowy white; a fine, large flower</td>
<td>53540</td>
<td>20</td>
</tr>
<tr>
<td>Dorothy Eckford</td>
<td>A grand pure white</td>
<td>53560</td>
<td>30</td>
</tr>
<tr>
<td>Emily Henderson</td>
<td>A good early white</td>
<td>53580</td>
<td>20</td>
</tr>
<tr>
<td>Mont Blanc</td>
<td>Pure white; of the finest form</td>
<td>53600</td>
<td>30</td>
</tr>
<tr>
<td>Sadie Burpee</td>
<td>(White-seeded.) One of the largest; pure white</td>
<td>53640</td>
<td>30</td>
</tr>
<tr>
<td>Sadie Burpee</td>
<td>(Black-seeded.) Pure white, harder than the white-seeded</td>
<td>53660</td>
<td>30</td>
</tr>
<tr>
<td>White Wonder</td>
<td>Double-stemmed; large white flowers</td>
<td>53680</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Yellow and Buff

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agnes Johnson</td>
<td>Bright rose-pink, profusely shaded with cream-yellow</td>
<td>53730</td>
<td>20</td>
</tr>
<tr>
<td>Dora Breadmore</td>
<td>Pale buff-yellow, slightly tinged with pink</td>
<td>53750</td>
<td>20</td>
</tr>
<tr>
<td>Hon. Mrs. E. Kenyon</td>
<td>Deep primrose-yellow; grand flower.</td>
<td>53770</td>
<td>20</td>
</tr>
<tr>
<td>Stella Morse</td>
<td>Primrose, flushed pink; very large flower</td>
<td>53790</td>
<td>20</td>
</tr>
</tbody>
</table>

### SPENCER VARIETIES

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering" Sweet Peas.

**All ten cents per packet, except where quoted otherwise**

#### Blue (Light and Dark Shades)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz</th>
<th>1/4 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afterglow</td>
<td>Rich electric shades of blue and rosy mauve; distinct</td>
<td>53870</td>
<td>$0.01</td>
</tr>
<tr>
<td>Asta Ohn.</td>
<td>Lavender, tinted mauve; delicate coloring; very large flower</td>
<td>53900</td>
<td>40</td>
</tr>
<tr>
<td>Flora Norton Spencer</td>
<td>Bright blue, slightly tinged with purple.</td>
<td>53920</td>
<td>40</td>
</tr>
<tr>
<td>Mrs. Charles Foster</td>
<td>Lavender, flushed pale rose.</td>
<td>53940</td>
<td>40</td>
</tr>
<tr>
<td>Mrs. E. Noakes</td>
<td>Fine lavender, of Spencer form</td>
<td>53950</td>
<td>1 00</td>
</tr>
<tr>
<td>Tennant Spencer</td>
<td>Beautiful purplish mauve, self-colored</td>
<td>53960</td>
<td>40</td>
</tr>
</tbody>
</table>
CATALOGUE OF HIGH-CLASS SEEDS

SWEET PEAS, SPENCER VARIETIES, continued

**Crimson and Maroon**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Knight Spencer</td>
<td>Shining deep maroon; splendid</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>King Edward Spencer</td>
<td>A lovely, self-colored, bright crimson</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Othello Spencer</td>
<td>An elegant, rich, deep maroon</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

**Pink (Light Shades)**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beatrice Spencer</td>
<td>Blush-pink, tinted with deeper pink</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Countess Spencer</td>
<td>Beautiful, soft rose-pink; one of the best</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
<tr>
<td>Elsie Herbert</td>
<td>Creamy white and pink; large flower</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
<tr>
<td>Florence Morse</td>
<td>Blush-pink with deeper pink margin</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Mrs. Routzahn</td>
<td>Apricot, suffused with blush-pink</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**Pink (Rose-Pink)**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple Blossom Spencer</td>
<td>Rose standards, blush-rose wings; large flower</td>
<td>$0.42</td>
<td>$1.25</td>
</tr>
<tr>
<td>Elfrida Pearson</td>
<td>Extra-large flowers; pink, tinted with salmon</td>
<td>$0.65</td>
<td>$1.50</td>
</tr>
<tr>
<td>George Herbert</td>
<td>Rich salmon-rose-color; splendid</td>
<td>$0.42</td>
<td>$1.25</td>
</tr>
<tr>
<td>John Ingman</td>
<td>Rose-carmine; large, fluted flowers</td>
<td>$0.42</td>
<td>$1.25</td>
</tr>
<tr>
<td>Marjorie Willis</td>
<td>Glowing rose, nicely waved large flowers</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Rosabelle</td>
<td>Fine, deep rose, with white blotch at base</td>
<td>$0.10</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

**Salmon and Orange**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helen Lewis</td>
<td>A very fine orange-pink; most showy</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
<tr>
<td>Mrs. Hardcastle Sykes</td>
<td>Beautiful light salmon-pink; large flower</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Stirling Stent</td>
<td>Large; deep form; salmon, suffused with orange</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**White**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etta Dyke</td>
<td>A white Spencer; of fine form and substance</td>
<td>$0.50</td>
<td>$1.50</td>
</tr>
<tr>
<td>Rainbow Spencer</td>
<td>Ivory-white, flaked rose</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>White Spencer</td>
<td>Pure white; large, beautifully waved flower</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

**Yellow Shades**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clara Curtis</td>
<td>A beautiful cream-yellow; large, waved flower</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Dobbie’s Cream</td>
<td>Fine; large; primrose</td>
<td>$0.40</td>
<td>$1.25</td>
</tr>
<tr>
<td>Primrose Spencer</td>
<td>Light primrose-yellow; finest formed flowers</td>
<td>$0.35</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**UNWIN VARIETIES**

All ten cents per packet

This type has waved and fluted standards, much resembling the Spencers, though entirely distinct.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrissie Unwin</td>
<td>Cherry-scarlet; fine</td>
<td>$0.20</td>
<td>$0.50</td>
</tr>
<tr>
<td>E. J. Castle</td>
<td>Carmine-rose; standard shaded salmon</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
<tr>
<td>Frank Dolby</td>
<td>Lavender-blue</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
<tr>
<td>Gladys Unwin</td>
<td>Pink, exquisite shade</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
<tr>
<td>Millie Maelin</td>
<td>Rich rosy crimson, self-colored</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
<tr>
<td>Nora Unwin</td>
<td>Pure white; large; open, wavy form</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
<tr>
<td>Phyllis Unwin</td>
<td>Deep carmine-rose</td>
<td>$0.30</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

**CHRISTMAS SWEET PEAS**

All ten cents per packet

These varieties, if sown early in fall indoors, will bloom by Christmas and continue all winter. They may also be sown outdoors in the same way as other sorts for summer-flowering.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angeleno</td>
<td>Self-pink</td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
<tr>
<td>Christmas Pink</td>
<td></td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
<tr>
<td>Christmas White</td>
<td></td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
<tr>
<td>Christmas Lavender</td>
<td></td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
<tr>
<td>Earliest of All</td>
<td></td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
<tr>
<td>Mrs. Wm. Sim</td>
<td></td>
<td>$0.35</td>
<td>$0.85</td>
</tr>
</tbody>
</table>

**SWEET PEAS IN MIXTURE**

**THORFURN’S SPECIAL MIXED.** Comprising the finest Eckford and other newest and best, large-flowering (Grandiflora) varieties....54800

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spencer Varieties, Mixed</td>
<td>A very fine assortment of all the best varieties</td>
<td>$0.05</td>
<td>$0.25</td>
</tr>
</tbody>
</table>
| Unwin Varieties, Mixed   | An extra-choice mixture of these beautiful, large, waved and fluted varieties, that so much resemble the Spencers...54840

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Per oz.</th>
<th>½lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eckford, Mixed</td>
<td>The finest Eckford varieties only</td>
<td>$0.05</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

**PERENNIAL PEAS, see Lathyrus.**

LORD ANSON’S PEAS, see Lathyrus.
Selected List of Flower Seeds

We have unquestionably the largest assortment of Flower Seeds in America, and our strains are superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

There are many minute plants from the finer seeds killed by drenching with water while very young. In the first stage of their existence, plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

FLOWER SEEDS DELIVERED FREE BY MAIL ON RECEIPT OF THE STATED PRICE. PRICE PER OUNCE OR FOUND FOR THOSE NOT QUOTED, ON APPLICATION.

Not less than ¼ oz. or 1 oz. sold at the prices quoted per ¼ oz. or 1 oz. respectively.

Explanation of Signs Employed in This List

The asterisk (*) designates ornamental-leaved plants. This mark (†) prefixed indicates the climbers.

A represents Annual—lasting but one year.
B Biennial—lasting two years.
E Evergreen—retains foliage the entire year.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic States. Farther north or south, these designations apply only in a comparative way.

A represents hardy—plants for open border. h represents half-hardy—plants that require to be forwarded in pots or frames.

Customers will find it more convenient to order by number. If ordered from any catalogue other than this (1916), kindly state from which year's catalogue the numbers are taken. This will facilitate the filling of their orders and will insure prompt shipment.

| Abobra Viridiflora | 55000 10 | A pretty prettier annual, bearing scarlet fruits, and at its best in late summer and autumn; 6 ft. |
| Abroina Umbellata Grandiflora | 55620 10 | Abroina Umbellata grandiflora (Sanke Pkt.)Verena........................................... 55620 10 These trailing plants, these hardy annuals with large, rose-colored flowers, are especially adapted for vases and rock-gardens, doing best in light, sandy soil. Sow in the open ground in May. Pkt. |
| Abrus Precatorius (Prayer Bean) | 55630 5 | This attractive climbing greenhouse perennial needs a strong heat for best results. Blossoms light purple. Pkt. |
| Adenophora Potanini (Gland Bellflower) | 55650 10 | A特种 greenhouse shrubs, elegant foliage, graceful branches, and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat at a temperature of 55 to 60 degrees. Pkt. |
| Aconitum | 55660 10 | A greenhouse perennial. The flowers are of most brilliant colors and borne in great profusion; ½ ft. Pkt. |
| Aconitum | 55660 5 | Aconitum. Handy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt. |
| Acidinia | 55680 5 | Acidinia. Handy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt. |
| Acroclinum | 55700 10 | Acroclinum. Handy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt. |

ACACIA (Tassel Tree). Beautiful greenhouse shrubs, elegant foliage, graceful branches, and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat at a temperature of 55 to 60 degrees. Pkt. |

Achillean Patonica, Double, “The Pearl” | 55340 25 | Free-blooming hardy perennials. The pure white flowers are borne in clusters on long stems. Fine for florists for cut-flowers, succeeds well in any common garden soil; blooms all summer and fall; ½ ft. in height. |

Achillean Patonica, Double, “The Pearl” | 55340 25 | ACHIMENES, Best Mixed. Saved from choice collection. 55360 25 A greenhouse perennial. The flowers are of most brilliant colors and borne in great profusion; ½ ft. Pkt. |

Aconitum | 55660 10 | Aconitum. Handy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt. |

Adonis | 55680 5 | Adonis. Both the annual and perennial varieties are, with their bright flowers, great favorites in the flower-garden. All succeed well in any common soil. Pkt. |


AGATHAEA coelestis (Blue Daisy) | 55680 25 | Agathaea coelestis (Blue Daisy). 55680 25 A tender perennial, with beautiful blue flowers; fine pot-plant for winter blooming in conservatory; 1 ft. |
**AGERATUM.** For strengthening the garden’s color-forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perennials, etc., the rose, white and blue sorts are exceedingly attractive when mingled with alium, candytuft, etc. They grow well almost anywhere and bloom the whole season. The dwarf blue sorts make fine borders. Sow under glass early in the season or, later, outdoor in a mellow seed-bed. Seeds sown in August will produce good plants for winter flowering.

**conspicuum.** This and the next are tender annuals; sow early; flowers white; 1 ft. Pkt. 55700 10

**Lasseauxi.** Clusters of handsome rose-colored flowers; 1 ft. 55720 10

**mexicanum (H.A).** Blue. Parent of the annuals below; 1 1/2 ft. 55730 5

**Blue Perfection.** Fine dwarf variety, with large flowers; 9 in.; splendid. 55740 10

**Dwarf Blue.** 9 in.; fine for edgings. 55750 5

**Dwarf White, Large-flowered.** Splendid; 9 in. 55760 10

**Imperial Dwarf Blue.** Excellent for edgings; 9 in. 55770 10

**Imperial Dwarf White.** Excellent for edgings; 9 in. 55780 10

**Little Dorrit.** Azure-blue. Plants 6 in. high, 1 ft. wide. 55790 10

**Little Dorrit, Yellow.** Distinct and pretty sort. 55800 5

**Little Blue Star.** Bright blue flowers; fine for carpet-bedding; 5 in. 55810 25

**Swanley Blue.** A fine, large-flowered sort; 1 ft. 55820 5

**Princess Victoria Louise.** Dwarf; light blue, white center; 9 in. 55830 10

**AGROSTEMMA.** All of easiest cultivation, blooming during summer and autumn. The “Rose of Heaven” is very free-flowering, and fine for cut-flowers. The “Rose Campion” is excellent for naturalizing in dry situations.

**Ceei-rosa (Rose of Heaven) (H. A).** Rose.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>albâ (H. A). White; 1 1/2 ft.</td>
<td>55860 5</td>
<td></td>
</tr>
<tr>
<td>*coronaria (Rose Campion) (H. A). Rose; 2 ft.</td>
<td>55870 5</td>
<td></td>
</tr>
<tr>
<td>*Dark Blood-Red (H. A). 2 ft.</td>
<td>55880 10</td>
<td></td>
</tr>
<tr>
<td>*White (H. A). 2 ft.</td>
<td>55900 5</td>
<td></td>
</tr>
<tr>
<td>*Mixed (H. A). 2 ft oz. 30c.</td>
<td>55910 5</td>
<td></td>
</tr>
<tr>
<td>*Flo-jovis (Flower of Jove) (H. A). Rose; 1 ft.</td>
<td>55920 5</td>
<td></td>
</tr>
</tbody>
</table>

**ALONOSA (Mask Flower).** Bright, little, free-flowering annuals of fine habit; require some protection in cold weather. Bloom continuously all through the season. 1 1/2 to 2 ft. Pkt. 55890 10

**albiflora.** White. 55950 5

**grandiflora.** Scarlet. 55960 5

**linifolia.** Scarlet. 55970 5

**Warczewiczii.** Scarlet. 55980 5

**ALSINE pinifolia.** White. 56000 10

**ALSINE pinifolia.** White. 56000 10

**Mixed.** 56030 10

**ALTH/EA rosea.** See Hollyhock.

**ALYSSUM.** Most popular, free-blooming annuals; suitable for borders, baskets, pots, rockwork, and for cutting. In the garden they are so dense, so as to form masses, early in spring or even the previous autumn. For winter bloom, sow late in August. Sow early in the garden, and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

**maritimum.** (Sweet Alyssum) (H.A). Fragrant white flowers, in clusters; all summer; 1 ft. Pkt. 55600 10

**compactum, Little Gem.** Grows erect; 6 in. 1/4 oz. 20c. oz. 50c. 56050 10

**procumbens, White Carpet.** Of trailing habit, forming a dense mass 1/4 oz. 20c. oz. 50c. 56070 10

**Thorburn’s Bouquet.** Very dwarf and compact; for pots and borders; 3 in. 1/4 oz. 20c. oz. 50c. 56080 15

**saxatile compactum (Gold Dust) (H.P).** Single plants cover a square foot in a year and produce hundreds of yellow flower-heads. Grayish foliage; 1 ft. 56090 5

**argentum.** Similar to the above, but more dwarf; 6 in. 56100 10

**AMARANTUS.** Strong-growing, highly ornamental tender annuals.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>abyssinicus.</em> Dark red; 3 ft.</td>
<td>56140 5</td>
<td></td>
</tr>
<tr>
<td><em>bicolor ruber.</em> Red; 2 ft.</td>
<td>56150 5</td>
<td></td>
</tr>
<tr>
<td><em>cruentus (Prince’s Feather).</em> Dark red; 3 ft.</td>
<td>56160 5</td>
<td></td>
</tr>
<tr>
<td><em>caudatus (Love-Lies-Bleeding).</em> Dark red; 3 ft.</td>
<td>56170 5</td>
<td></td>
</tr>
<tr>
<td><em>coleifolius (superbus).</em> Dark red; 3 ft.</td>
<td>56180 5</td>
<td></td>
</tr>
<tr>
<td><em>Hem.</em>* Crimson and yellow; 4 ft.</td>
<td>56190 5</td>
<td></td>
</tr>
<tr>
<td><em>melancholicus ruber.</em> Red; 2 1/2 ft.</td>
<td>56200 5</td>
<td></td>
</tr>
<tr>
<td><em>salicifolius (Fountain Plant).</em> Purple; 2 1/2 ft.</td>
<td>56210 10</td>
<td></td>
</tr>
<tr>
<td>tricolor (Joseph’s Coat). Variegated; 2 1/4 ft.</td>
<td>56220 10</td>
<td></td>
</tr>
<tr>
<td><em>giganteus.</em>* Variegated; 6 ft.</td>
<td>56230 5</td>
<td></td>
</tr>
<tr>
<td><em>splendens.</em>* Variegated; 3 ft.</td>
<td>56240 10</td>
<td></td>
</tr>
<tr>
<td><em>Fine Mixed.</em></td>
<td>oz. 25c.</td>
<td>56250 5</td>
</tr>
</tbody>
</table>

**AMESTH.** See Browallia.
AMMOMIUM alatum grandiflorum. White. Pkt. 56280

Pretty half-hardy perennial. Everlastings. Of easiest culture, bloom all summer; 2 ft. 2 Pkt.

ANAGALLIS grandiflora, Mixed (Pimpernel). 56300

Half-hardy annuals of easy culture. Fine for borders or rockwork. Continuously in bloom; 6 in.

ANCHUSA. Both the annual and perennial varieties of this attractive plant succeed well in the garden border. Fine for cut-flowers and bouquets. Pkt.

Barrel-ini (hP). Dark-blue; 2 ft. 56320 10
capensis (Cape Forget-me-not) (hA). Azure-blue; 1½ ft. 56330 10
ttica, Dropmore variety (hP). Blue; 3 ft. 56340 10

ANEMONE (WINDFLOWER). Free-flowering hardy perennials, producing large, cup-shaped flowers. Invaluable for cutting and bouquets through the spring and early summer; require rich, deep soil; 1 to 2 ft. Pkt.
coronaria (St. Brigid Peony-flowered). Mixed 56360 10
cen, Mixed 56370 10
japonica rosea. Rose 56380 25 " alba. White 56390 25
sylvestris. White 56400 10

†ANGELONIA grandiflora. Purple 56420 25

Elegant greenhouse perennial; fine for pots; sweet-scented; 1 ft. ANTHEMIS. A very pretty plant, producing all summer daisy-like, golden yellow flowers; fine for cutting. Pkt.
arabica (Rock Chamomile) (hA). 1 ft. 56450 5
Kelwayi tinctoria (hP). Fine, large flowers on good stems; 2 ft. 56460 10

†ANTIGONON leptopus 56470 10

Greenhouse perennial climber with pink flowers.

ANTIRRHINUM. See Snapdragon.

AQUILEGIA (COLUMBINE). Few hardy perennials are so easily grown from seed, and will give such undiluted satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the fall for flowering the following season. They thrive well under ordinary garden culture, but such rare sorts as A. carnea and A. chrysanthemum do best in partially shaded, well-drained nooks.

AQUELEGIA, continued

californica hybrida. Orange-red and yellow; splendid; 2 ft. 56500 25
canadensis. Scarlet and yellow; for shade; ½ ft. 56550 10
chrysanthemum. Golden yellow; flowers large, long-spurred; 3 ft. 56520 25
cereus (Rocky Mountain Blue Columbine). One of the most beautiful of our native flowers. Sepals blue, petals white; 3 ft. 56530 15 " hybrida. Large-flowered, long-spurred hybrids. 56540 15
flabellata nana alba. White flowers; early; 1 ft. 56550 10
glandulosa vera. One of the handsomest hardy perennials; stems 2 ft high, with sometimes 50 to 80 blossoms 3 inches in diameter, of the deepest blue, with white corolla; a splendid flower; 56560 50
Jestschaui. Large-flowered, yellow; long; 2 ft. 56570 10
Long-spurred Hybrids, Mrs. Scott Elliott’s Strain. Magnificent hybrids in the greatest variety of colors and shades; one of the finest strains; 2 ft. 56580 25
Skinneri (Mexican Columbine). Very handsome and distinct; spurs and sepals long; crimson and green; 3 ft. 56590 25
truncata. Dwarf; scarlet and yellow; 1 ft. 56600 10

Collection of Aquelegia, including 12 choice varieties. 56640 50

ARABIS. An interesting, early flowering hardy perennial, adapted for ornamental rockwork and edgings. Pkt.
alpina (Rock Cress). White; 9 in. 56660 10
rosea. Rose; a rare species; 6 in. 56670 25

ARCTOTIS grandis. White and lilac; 2 ft. 56680 10

The large daisy-like blooms of this fine hardy annual, are excellent for cutting.

ARDISIA crenulata. 5 ft. 56690 25
Fine decorative greenhouse plant, with evergreen foliage; bearing bright coral-red berries.

ARGEMONE. Easily grown, showy, hardy annuals with poppy-like flowers; blooming through the summer and autumn; 2 to 3 ft. Pkt.
grandiflora. White 56720 5 " lutea. Yellow 56730 5 "

†ARISTOLOCHIA. Beautiful, strong-growing climbers, for both greenhouse and open ground; grow finely all the season; 1 ft. Pkt.
elegans (gP). Purple-and-white; 20 ft. 56750 25
Sipho (hP). The “Dutchman’s Pipe” vine; 30 ft. 56760 25

ARNEBIA cornuta. Rich yellow, spotted dark brown. 56780 25
Ornamental, free-flowering half-hardy annual; fine for cutting.

ASCLEPIAS. Showy plants, including both greenhouse and hardy perennials, growing 2 to 3 ft in height and blooming throughout the summer. Pkt.

Curassavica (Swallow-wort) (gP). Orange, free-bloomer. 56610 10 " atrosanguinea. Dark red. 56820 10
incarnata (Swamp Milkweed) (hP). Rose-pink. 56830 10
tuberosa (hP). Orange; very fine. 56840 10

AQUILEGIA, LONG-SPURRED HYBRIDS
**ASPARAGUS.** Beautiful, fern-like foliage; fine for bouquets; an excellent house plant; white flowers; 4 to 6 ft. 

**plumosus nanus** (gP). The dwarf variety so largely used by florists. Pkt. 5

**Hatcheri** (gP). Variety of Plumosus nanus style; a great improvement; 6 ft... 5

**scandens deflexus** (gP).... 25

**Sprengeri** (gP). Fine for basket-work and for use with cut-flowers. 5

**ASPERULA.** Sweet-scented, pretty plants, for borders or rockwork; succeed finely in shady places or under trees; continuously in bloom; 1 ft. Pkt. 5

**azelea setosa** (hhA). Light blue... 5

**odorata** (Sweet Woodruff; Waldmeister) (hP). White... 5

**ASTERS.** See pages 67 and 68.

**ASTILBE.** See Spirea.

**AUBRETIAT.** Hardy perennial trailers for beds, rockwork or herbaceous borders. Resemble Alysum in character. Pkt. 

**deltoides.** Lilac; very pretty... 5

**Eyrri.** Violet; very large flowers... 5

**graeca.** Blue; charming... 5

**Leichtlinii.** Rosy carmine; fine... 5

**AURICULA (Primula auricula) (hP).** Finest Mixed. Beautiful shades of color. 5

These early spring-blooming garden Primroses are great favorites; 6 in. Pkt. 5

**AZALEA hybrida indica.** Mixed... 5

We offer seeds saved from the finest varieties of this well-known evergreen shrub; 1 ft. Pkt. 5

**BACHELOR'S BUTTON.** See Centaurea and Gomphrena.

**BALLOON VINE (Cardiospermum).** Pkt. 5 oz. 25c... 5

A pretty and fast-growing, half-hardy annual climber, with white blossoms; 10 ft.

**BALSAM (LADY'S-SLIPPER).** These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 inches of space each way. For the finest flowers, choice seed is more than usually essential. We offer only the finest double sorts; 15 ft. Pkt. 5

**Double Bright Scarlet**... 5

**Carmine**... 5

**Lavender**... 5

**Peach Blossom**... 5

**Red, Spotted White**... 5

**Rose**... 5

**White**... 5

**Camellia-flowered, White**. Flowers of extra size, double and full centered, with reflexed petals. The plant grows rapidly to a good height and is extremely floriferous... 5

**Camellia-flowered, Mixed.** Best colors... 5

**BAPTISIA australis** (False Indigo). Light Pkt. blue... 5

**BARTONIA aurea.** Golden yellow... 5

Beautiful hardy annuals that bloom all through the season; very fragrant in the evening; 3 ft. Pkt. 5

**BEET, ORNAMENTAL-LEAVED.** Hardy annuals; have no tubers; praised for their handsome ornamental foliage of very rich and beautiful colors. Very effective in mixed beds or borders, or anywhere in contrast with other plants; 1½ ft. Pkt. 5

**Brazilian Golden-veined.** oz. 20c... 5

**Scarlet-veined.** oz. 20c... 5

**Crimson-veined.** oz. 20c... 5

**Chilian Scarlet-ribbed.** oz. 20c... 5

**Yellow-ribbed...** oz. 20c... 5

**Dracena-leaved.** Fine, shining, dark-red foliage... 5

**Victoria.** Glossy purplish blood-red foliage... 5

**BEGONIA** (gP). Begonias are invaluable for flower growers, and are also for pot culture, being perfect in habit, with very handsome foliage. Average height about 1 ft. The tuberous-rooted varieties produce gorgeous effects in the garden and are one of our best summer-blooming plants. The seeds of all varieties should be started early.

**Single Tuberous-rooted, Mixed...** 5

**Double Tuberous-rooted, Mixed...** 5

**Fringed Single Tuberous-rooted, Mixed...** 5

Double Tuberous-rooted Camellia-flowered, Mixed. Fine, large, double flowers of various colors and bright foliage; blooms profusely... 5

**gracilis luminosa.** Dark scarlet, reddish-brown foliage; winter flowering; fine for pots... 5

**metallica.** Metallic foliage, rose flowers; winter blooming; 2 ft... 5

**Rex.** Ornamental-leaved varieties in mixture... 5

**BANANA.** See *Musa Ensete.*
BEGONIA, continued

**BEGONIA, semperflorens rosea.** Rose-colored flowers; fine for edging. 57500 
" alba. White flowers borne in profusion. 57510 
" Erfordii. Rosy Carmine; fine for groups. 57520 
" folis aureis. Scarlet; yellow leaves; for edgings. 57530 
" Vernon. Red; for borders. 57540 
" Vernon Bijou. Bright scarlet; 6 in. 57550 
" Zulu King. Scarlet; blackish leaves. 57560 
" Mixed. 57570

Collections of Begonias, including—
12 varieties of Tuberous-rooted 57580  
6 varieties of Tuberous-rooted. 57590

**BELLIS perennis.** See Daisy.

**BENINCASA cerifera (t.A).** 57610  
A black, wax-like gourd with yellow flowers; 6 ft.

**BIDENS atrosanguinea (hA).** 57630  
Showy, like the calliopsis; easily grown; flowers dark red; 2 ft.

**BLAZING STAR.** See Liatris.

**BLUE BOTTLE.** See *Centaura Cyanus*. Pkt.

**BOCCONIA japonica.** 57650  
A very ornamental hardy perennial, fine in large beds; flowers white; 6 ft.

**BOLTONIA latissquama.** 57670  
Tall and leafy hardy perennial, with pink aster-like flowers. In bloom until late in season; easily grown; 3 ft.

**BOUVARDIA Jacquinii (g.P).** 57680  
A fine greenhouse evergreen; flowers scarlet; 2 ft.

**BRACHYCOME.** The well-known "Swan River Daisy" is a beautiful little half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed; 1 ft.

**iberidifolia.** Blue. 57710  
" alba. White. 57720  
" rosen. Rose. 57730  
" Mixed. 57740

**BROWALLIA (Amethyst).** Half-hardy, profuse-blooming annual; highly prized for summer bedding or as greenhouse plants. Fine for cutting; 2 ft.

**elata.** Blue. 57780  
" alba. White. 57790  
" Mixed. 57800  
" Roezlii. White and pale blue; fine for pots. 57810  
" speciosa major. Blue; winter blooming. 57820

**BLYONOPSIS laciniosa erythrocarpa (t.A).** 57830  
A very pretty ornamental gourd, with red flowers.

**BUPHThALMUM cordifolium.** 57850  
A showy and ornamental hardy perennial; yellow flowers; 1 ft.

**CACAII (Tassel Flower).** Very pretty and most easily grown hardy annual, with tassel-shaped flowers; 1½ ft.

**BACCALIA.** Scarlet. 57880  
" lutea. Orange. 57890

**CACTUS (h.hP).** Mixed varieties. 57900  
Seeds of these interesting plants should be started in the greenhouse in moist sand.

**CALAMELPS scabra (h.HP).** 57920  
Fine climber for trellises; orange-scarlet; 10 ft.

**CALANDRINIA.** Brightly colored, little hardy annuals, fine for edgings; continuously in bloom, and do well in sunny situations; 6 in.

"Burridgi. Rose. 57940  
" speciosa. Purple. 57950  
" umbellata. Violet. 57960

**CALCEOARLA.** A splendid race of greenhouse biennials, natives of Chili. The beautifully striped, blotched and variegated masses of flowers are almost indescribable. For culture see directions for greenhouse seeds, page 66. *Place in a cool greenhouse in the winter*. Our seeds are saved from the finest varieties.

**hybrida.** Large-flowered; self-colored; 2 ft. 57990  
" Large-flowered; tigered or spotted; 2 ft. 58000  
" Large-flowered; dwarf; tigered; 1 ft. 58010  
" Large-flowered; tigered and self-colored; 2 ft. 58020  
" rugosa, Mixed. Finest shrubby varieties for bedding; bear a profusion of beautiful flowers of various colors; 1 ft. 58060  
" pinnata (hA). Yellow; for bedding; 1 ft. 58080  
" scabiosaefolia (californica) (hA). Yellow for bedding; 1 ft. 58100

**CALENDULA.** Hardy annuals about a foot high. Sow in the open ground early in spring, and the plants will bloom early in summer, continuing until late in autumn. The flowers are produced in great profusion, and are strongly effective in beds, borders or backgrounds. The dried flowers are sometimes used for flavoring soups and stews.

**officinalis fl. pl. grandiflora.** Double; large-flowered; deep orange. 58160  
" fl. pl. grandiflora sulphurea. Double; light yellow; large-flowered. 58170  
" Nankeen. A rich, soft shade of nankeen-yellow; large flowers. 58180  
" Meteor. Creamy center, edged with orange; fine for cutting. oz. 25c. 58190  
" Prince of Orange. Glittering orange and yellow; one of the best. oz. 25c. 58200

**COREOPSIS GRANDIFLORA (see page 77)**
CALEDONIA, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>officinalis ranunculoides</td>
<td>(Garden Marigold). Orange; double flowers</td>
<td>58210 5</td>
</tr>
<tr>
<td>pluvialis</td>
<td>(Cape Marigold). White or ivory</td>
<td>58220 5</td>
</tr>
<tr>
<td>Pongei fl. pl.</td>
<td>Handsome, double, white flowers</td>
<td>58230 5</td>
</tr>
<tr>
<td>Mixed, All Sorts</td>
<td>...</td>
<td>58240 5</td>
</tr>
</tbody>
</table>

See, also, Marigold.

CALLA äethiopica | (gP). The old favorite white Calla; 2 ft. | 58270 10 |

CALLIOPSIS. This hardy annual is another of the garden’s great forces in yellow, strengthened with rich red-maronas and browns. Sow in the open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting.

bicolor (tinctoria). Yellow-brown; 2 ft. | 58290 5 |
| hybrid fl. pl. | Double; mixed; | 58300 5 |
| marmorata | Maroon and gold; | 58310 5 |
| nana radiata | (Ray of Gold). Golden yellow flowers; 6 to 8 in. | 58320 10 |
| cardaminifolia hybrid | Red and yellow; | 58330 5 |
| coronata | Yellow; very fine; | 58340 5 |
| Drummondii | (Golden Wave). Golden brown; 1 ft. | 58350 5 |
| hybrida superba | Very showy hybrids in great variety. | 58360 10 |
| Mixed Annual Sorts | ... oz. 25c. | 58370 5 |
| Collection of Calliopsis, including 10 varieties | 58380 40 |

CAREOPSIS (Perennial Calliopsis). One of our finest hardy perennials; bloom practically all summer; fine for borders and groups.

grandiflora. Large flowers of rich yellow; 2 ft. | 58400 10 |
| lanceolata grandiflora | Large, golden yellow flowers; fine for cutting. | 58410 10 |
| California Sunbeams | Flowers very large, in a great variety of beautiful forms and various shades of yellow and brown; 1 ft. | 58420 10 |

CALLIRHOE involucrata (Creeping Mal- | low) | (hP). A pretty trailing plant; blooms all season; flowers crimson | 58450 5 |
| pedata | (Poppy Mallow) | | 58460 5 |

CAMELLIA japonica | (gP). See Tree Seeds, page 63. |

CAMpanula (CANTERBURY BELLS). Popular and beautiful plants of easy culture and, when planted in quantity, they are glorious. Sow seeds of biennials outdoors early in July, and for transplant to temporary quarters until October. Transplant, then, 6 to 8 inches apart, in a coldframe, where they will make large plants by spring. Transplant in spring, 18 to 20 inches apart, in beds where they are to bloom. By midsummer they will flower most profusely. All the varieties like a rich, sandy soil with good drainage.

amabilis | (hP). Light blue flowers, nearly 2 inches in diameter, on stems 2 to 3 feet high; grows very strong and bears a profusion of flowers | 58520 25 |
| carpatica | (hP). Deep blue; for poteries, beds and edgings; 6 in. | 58530 10 |
| alba. Flowers white; 6 in. | 58540 10 |

CAMpanula, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium, Single Blue (Canterbury Bells)</td>
<td>(hB). Blooms first year if sown early; 2 ft.</td>
<td>58560 5</td>
</tr>
<tr>
<td>Single White. Pretty for contrasts</td>
<td>58570 5</td>
<td></td>
</tr>
<tr>
<td>Single Rose</td>
<td>58580 10</td>
<td></td>
</tr>
<tr>
<td>Single Striped. Very fine</td>
<td>58590 10</td>
<td></td>
</tr>
<tr>
<td>Single Mixed</td>
<td>58600 5</td>
<td></td>
</tr>
</tbody>
</table>

Medium Double

Blue. Rich, heavy, curious flowers through summer and fall. | 58610 10 |

Medium Double White. Waxy appearance. | 58620 10 |

Medium Double Rose | 58630 15 |

Medium Double Mixed | 58640 10 |

Medium callycanthema | rosea | (Cup-a-Nd-Saucer) | (hB). Blue; symmetrical; often has 25 to 40 flowers open at the same time on a single plant. For pots or borders; 2 ft. | 58650 10 |

Medium callycanthema alba. A white flowering variety of the above. | 58660 15 |

Medium callycanthema rosea. Rose; a very fine sort. | 58670 15 |

"callycanthema, Mixed. Shades of blue and white. | 58680 10 |

"Prize Mixture of all colors, Single and Double and Callycanthemas; an unequalled strain. | 58700 15 |

Loreyi, Blue. Large flowers; very pretty hardly annual. | 58710 10 |

macrostylia | (hA). Large, lovely violet flowers; 3 ft. | 58750 10 |

nobilis alba | (hP). White; semi-double; June; 2½ ft. | 58760 10 |

persicifolia grandiflora, Blue | (hP). Superb, large flowers and long, narrow, peach-like foliage. For finest effects plant the blue and white varieties together; 2 to 4 ft. | 58780 25 |

"grandiflora alba. A white-flowered variety of the above growing to the same height. | 58790 25 |

"grandiflora, Fine Mixed. | 58790 25 |

pyramidalis | (Chimney Bellflower) | (hH). Spikes 3 to 4 ft. tall, erect, pyramidal; flowers large and of a beautiful blue; blooms in late summer and autumn. | 58800 10 |

"alba. White. | 58810 10 |
CAMPANULA, continued

**grandiflora Mariesii** (hp). A fine, dwarf, dark blue variety, growing 1 ft. high. ....58820 10

**Mariesii macranthum** (hp). Dwarf habit; rarely exceeds 3 ft. in height; bright blue flowers 3 to 5 inches across, borne in profusion; lives eight to ten years. ....58830 10

**Vidali** (gp). White; very floriferous and handsome; 2 ft. ..........58840 15

**Collection of Campanulas**, including 12 varieties, choicest perennial sorts...58850 60

1**CANDYTUFT (Iberia)**. The Candytufts are among our best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil, and water freely.

**CANDYTUFT** (iberia). The Candytufts are among our best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil, and water freely.

**affinis**. Neat and pretty bedder; 6 in.58870 5

**amara**. White; 1 ft...........oz. 30c.58875 5

**coronaria** (Rocket Candytuft). Of candelabra form; flowers in upright spikes..........oz. 30c.58880 5

**Empress**. White; 1 ft. ..........58885 5

**4 oz. 20c. oz. 50c. 58885 5

**Giant Hyacinth - flowered**. White flowers borne in large trusses; ....58890 5

**Little Prince**. Very large heads of pure white flowers; fine for border and pots; 6 in..58895 10

**odorata**. Small, white, fragrant flowers. ....58900 5

**umbellata**. Purple; 1 ft........58905 5

**carminia**. Bright carmine; 1 ft. ..........58910 10

**carnes**. Flesh-colored; 1 ft. ..........58915 5

**Dunnetti**. Dark crimson; 1 ft........58920 5

**lilacina**. Lilac; 1 ft........58925 5

**CANTERBURY BELLs.** See Campanula.

**CARDUUS benedictus** (Blessed Thistle). An ornamental hardy annual; large, variegated leaves; flowers yellow; fine for edgings; 2 ft.

**CARNATION** (Dianthus Caryophyllus). The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or in the open ground, the plants will flower early the second summer. For largest, richest flowers, we recommend culture in pots of rich soil. With many 60} they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With tall varieties, staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year. The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.

**MARGARET CARNATIONS** are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced in five months from sowing. Grown as annuals from seed sown every spring, they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chaban Garden of Carnations, Provence, France.

**Double White**. Large, perfect flowers; 1½ ft. ..........59120 10

**Double Yellow**. A clear, soft shade; 1½ ft. ..........59130 25

**Double Mixed**. 1¼ to 2 ft. oz. $1.50. 59140 10

**Giant Margaret**. Extra large and perfect, flowering in a rich variety of colors; 80 per cent of the flowers generally come double. A splendid sort for cutting; 1 ft. ..........59150 25

**CANDYTUFT**, continued

**umbellata**, Queen of Italy. Dwarf; erect; fine pink flowers; ....58930 10

**Dwarf Hybrids**. Mixed colors; 6 in. ..........58935 10

**Mixed Annual Sorts**. oz. 25c.58940 5

**Collection of Candytuft**, including 6 varieties choicest annual sorts...58960 30

**PERENNIAL CANDYTUFT**. Hardy, evergreen plants, making a magnificent showing the third and fourth year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

**gibraltarica**. Beautiful blush-white; flowers are borne in large trusses; 1 ft. ..........58980 15

**sempervirens**. White flowers remain fresh nearly a month; 1 ft. ..........58990 15

**sempervifolium**. A handsome but somewhat delicate evergreen perennial, with large, pure white, sweet-scented flowers. Not suitable for border culture, though hardly enough to stand our winters when grown at the foot of a south wall or in a very sunny corner of the rock-garden.

**CANNA** (Indian Shot) (hhP). One of our best bedding plants, and most ornamental, with large, brilliant flowers. Much employed in subtropical gardening, groups on lawns and mixed flower-beds. Soak the seed before planting; 4 ft.

**Dark-leaved Sorts**. Mixed varieties59030 5

**Queen Charlotte**. Scarlet and yellow.59040 10

**Finest Mixed**. Crozy's hybrids; very fine. ....59050 5

**CANNABIS gigantea** (Giant Hemp) (hhA). A fine foliage plant for borders. 8 ft.

**CARNATION** (Dianthus Caryophyllus). The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or in the open ground, the plants will flower early the second summer. For largest, richest flowers, we recommend culture in pots of rich soil. With many 60} they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With tall varieties, staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year. The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.

**MARGARET CARNATIONS** are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced in five months from sowing. Grown as annuals from seed sown every spring, they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chaban Garden of Carnations, Provence, France.

**Double White**. Large, perfect flowers; 1½ ft. ..........59120 10

**Double Yellow**. A clear, soft shade; 1½ ft. ..........59130 25

**Double Mixed**. 1¼ to 2 ft. oz. $1.50. 59140 10

**Giant Margaret**. Extra large and perfect, flowering in a rich variety of colors; 80 per cent of the flowers generally come double. A splendid sort for cutting; 1 ft. ..........59150 25
CARNATION, continued

PERPETUAL CARNATIONS. This race has large, elegantly formed flowers, continually abloom upon closely branched, symmetrical plants, often called, from their neat habit, 'Tree Carnations.'

Chabaud Perpetual Double. Mixed—yellow, red, white, etc.; 1½ ft. Blooms in six months..........................59160 25

Marie Chabaud. Pure canary-yellow; the most beautiful and most fragrant yellow 59200 50

Comtesse de Paris. Very dwarf; yellow; comes true from seed...................59180 50

Jeanne Dionis. Enormous flowers of the purest white and most perfect form. 59190 75

Sparkling (Etincelant). Large flowers of bright, glittering red of surpassing richness ........................................59200 50

Giant Perpetual White. Very large, perfectly double; flowers in seven months after sowing. 59220 50

Yellow. Creamy to golden yellow; 80 per cent come true to color; stems long and sturdy 59230 50

Fine Mixed. Enormous flowers; perfectly double; splendid colors.................59240 50

BORDER CARNATIONS, ETC. We invite attention to the splendid collection below:

Red Grenadine, Double. Brilliant scarlet; 2 ft................................59270 25

Early Dwarf Vienna, Double Mixed. Fine for garden culture and for cutting; 1 ft. 59290 15

Double White. Very fine; always come true white..................................59300 15

Fine Double Mixed, Variegated. Splendid mixture............................59340 15

Self-colored. Mixed 59350 15

Double Mixed.......................................59370 10

Collections of Carnations, including—
50 varieties........................................59390 3 00
25 varieties........................................59400 1 50
18 varieties........................................59410 1 25
12 varieties........................................59420 85
6 varieties..........................................59430 60

CASSIA artemisioides (Senna). (gP) 59450 15
A very pretty shrub, with finely cut, silvery foliage and yellow flowers; sweet-scented; will stand drought very well; 4 ft........................................Pkt.

CASTILLEJA indivisa ..................59460 25
Erect habit, annual, brilliant all summer with crimson bracts. 1½ ft.

CASTOR-OIL PLANT. See Ricinus.

CATANANCHE. Pretty hardy perennials with everlasting flowers. Free-flowering; easily grown, blooming first season; 2 ft........................................Pkt.

cœrulea alba (bicolor). Blue and white........................................59480 5

cœrulea. Blue.................................59490 5

CATCHFLY. See Silene.

CELOSIA (Cockscomb)

CRISTATA. We prize and plant the Cockscomb as an old and picturesque decorative feature of the garden. Annuals of easy culture, the bright red and crimson varieties are most effective, both in gardens and in winter bouquets, for which they are cut before fully ripe and dried in the house. The dwarf varieties make novel and attractive borders; the tall ones form striking groups. Transplanting into rich soil about the time the combs begin to form makes the flower-heads much larger. They are bright from midsummer until frost.

Glasgow Prize. Dark leaves and crimson Pkt. combs; fine for solid beds and for edgings; 1 ft.........................59520 10

Dwarf Bright Red. A miniature plant, with enormous combs of intense bright red..........................59530 10

Crimson..............59540 10

Dark Yellow. Yellow combs................................................59550 10

Light Yellow........59560 10

Mixed. Extra-large combs in all the above colors..........................59570 10

PLUMOSA (Plumed or Ostrich-feather Cockscomb). Beautiful annual foliage plants blooming in late summer and autumn, and producing large, showy plumes, curled and curved, much resembling ostrich-feathers. Elegant for beds and borders; 2 to 3 ft. 59580 10

Ostrich-Feather, Crimson........59590 10

Orange..............59600 10

Pride of Castle Gould. Of upright, compact growth, 2 to 3 ft. high, with large, fine-feathered heads in many variations of shades and self-colors—blood-red, carmine, deep-scarlet, wine-red, salmon, yellow and orange. Valuable either as a pot-plant or for bedding in sunny situations, where it keeps up a constant bloom..................59620 25

Thompsonii magnifica, Mixed. Superb assortment of the plumed varieties. 59640 10

*Huttonii. Ornamental dark foliage; claret flowers; fine sort for a large bed; 3 ft..................59660 15

Spicata. Rose and white; fine for pots and vases; also good for planting in front of taller sorts; 1 ft..................59670 10
CENTAUREA. The popular Cornflower, Centaurea cyanus, is also known as "Blue Bottle," "Ragged Sailor," "Kaiserblumen," and, sometimes, as "Bachelor's Button." Bright-flowered plants of the hardest nature and simplest culture, among the most attractive and graceful of all the old-fashioned flowers. The perennial sorts increase rapidly and bloom profusely.

**PERENNIAL FLOWERING.** A dry, sandy soil of moderate fertility seems to suit them best, keeping up a profusion of bloom all summer.

<table>
<thead>
<tr>
<th>Name</th>
<th>Flower-heads</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>macrocephala</td>
<td>Large, showy, bright yellow; 3 ft.</td>
<td>59720 10</td>
<td></td>
</tr>
<tr>
<td>montana, Blue</td>
<td>Large-flowered perennial Cornflower;</td>
<td>59725 10</td>
<td></td>
</tr>
<tr>
<td>alba, White</td>
<td></td>
<td>59730 20</td>
<td></td>
</tr>
</tbody>
</table>

**PERENNIAL SILVER-LEAVED.** These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; half-hardy; height 1 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>candidissima</td>
<td>Silvery white leaves</td>
<td>59740 10</td>
</tr>
<tr>
<td>Clementei</td>
<td>Broadly cut, silvery leaves</td>
<td>59750 10</td>
</tr>
<tr>
<td>gymnocarpa</td>
<td>Silvery white small leaves</td>
<td>59760 10</td>
</tr>
</tbody>
</table>

**HARDY ANNUALS.** Flower finest in full sun and thin soil. Sow in open ground in spring; 1½ to 2 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>americana</td>
<td>Large, blue-purple flowers;</td>
<td>59790 10</td>
</tr>
<tr>
<td>imperialis, White</td>
<td>Very large-flowered; hardy and floriferous; borne on long, stiff stems.</td>
<td>59810 10</td>
</tr>
<tr>
<td>Lilac</td>
<td>Very large-flowered; hardy. The same as the White except in color.</td>
<td>59810 10</td>
</tr>
<tr>
<td>Yellow</td>
<td>Bright yellow flowers; very fine for use as cut-flowers.</td>
<td>59830 10</td>
</tr>
<tr>
<td>Mixed</td>
<td>Very large-flowered; hardy</td>
<td>59840 10</td>
</tr>
<tr>
<td>odorata, Chameleon</td>
<td>Yellow and rose; fragrant; superb; fine cut-flowers.</td>
<td>59860 10</td>
</tr>
</tbody>
</table>

**CENTAUREA, continued.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>odorata, Margarite</td>
<td>Pure white; 2½ in. across; laciniated and scented; forms stocky, well-budded little bushes; 1½ ft.</td>
<td>59880 10</td>
</tr>
<tr>
<td>moschata atropurpurea (Purple Sweet Sultan). Large flowers on long stems</td>
<td>59900 5</td>
<td></td>
</tr>
<tr>
<td>atropurpurea alba (White Sweet Sultan)</td>
<td>59910 5</td>
<td></td>
</tr>
<tr>
<td>atropurpurea, Mixed. (Mixed Sweet Sultan)</td>
<td>59930 5</td>
<td></td>
</tr>
<tr>
<td>suaveolens (Yellow Sweet Sultan). Fine</td>
<td>59950 5</td>
<td></td>
</tr>
</tbody>
</table>

**CYANUS (Cornflower).** Blue; delightful, old-fashioned flowers, blooming profusely all summer; borne on long, stiff stems, and fine for cutting; 1 to 2 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emperor William</td>
<td>Blue; one of the finest of all Cornflowers, and much used for cutting.</td>
<td>59980 5</td>
</tr>
<tr>
<td>Oregon</td>
<td>Blue; carried on long stems</td>
<td>59990 10</td>
</tr>
<tr>
<td>Rose</td>
<td>Distinct shade; flowers borne on long stems; good for cutting.</td>
<td>60010 5</td>
</tr>
<tr>
<td>Victoria, Dwarf Compact. For pots and edgings; azure-blue; 9 in.</td>
<td>60020 10</td>
<td></td>
</tr>
<tr>
<td>Pure White</td>
<td>Very fine.</td>
<td>60030 5</td>
</tr>
<tr>
<td>Mixed</td>
<td>oz. 25c.</td>
<td>60040 5</td>
</tr>
<tr>
<td>Double, Mixed</td>
<td>oz. 25c.</td>
<td>60050 5</td>
</tr>
<tr>
<td>Mixed Dwarf Hybrids</td>
<td>3/4 oz. 25c., oz. 50c.</td>
<td>60060 10</td>
</tr>
</tbody>
</table>

**Collection of Centaurea Cyanus, including 6 varieties.** 60070 25

**CENTAURIDIUM Drummondii (hA) 60100**

Pretty little composite; yellow flowers; ½ ft.
CENTRANTHUS. Very pretty, free-flowering annuals, suitable for rockeries, vases and the garden border; 1 ft. Pkt.

macrophonis. Red..............60120 5
n anus. Red; dwarf; 34 ft........60330 5
n anus albus. White.60140 5
Mixed...................60150 5

CEPHALARIA tatarica...........60170 10
Hardy perennial; fine for backgrounds and bees; flowers yellow; 6 ft.

cerastium (Snow-in-Summer). Pretty, silver-leaved, trailing, hardy perennials; fine edging plants, also for rockeries; 6 in. Pkt.
tomentosum. White..............60190 25
Biebersteinii. White.............60210 25

CERINTHE. Decorative hardy annuals; valuable for bees; 1 1/2 ft. Pkt.

terota. Yellow and red...........60230 5
Mixed.......................60240 5

CHAMÆPEUCE diacantha (Ivory Thistle). A spiny border perennial with glaucous foliage; flowers purple; 1 1/2 ft.

CHÆLONE. Beautiful, decorative hardy perennials; deserve a place in every garden; 2 to 3 ft. Pkt.

barbata. Red.................60290 10
coecinea. Scarlet..............60300 10
hybrida. Mixed................60310 10

CHORIZEMA ilicifolium...........60340 25
A very fine, evergreen, greenhouse plant, easily produced from seed; flowers yellow and red; 2 ft.

CHRISTMAS ROSE. See Helleborus.

CHYRSANTHEMUM. Do not confuse these annuals with the winter-flowering sorts of the Dahlias. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants may be grown to bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. Average height, 1 to 1 1/2 ft. Pkt.

coronarium, Double sulphureum. Pale yellow....60370 5

Double Yellow. Golden yellow; splendid........60390 5
Double White.................60400 5
Double Mixed. Yellow, white, etc., oz. 30c......60430 5

tricolor. The tricolor sorts have beautiful rings and eyes of various colors, and are distinctively handsome, with long stems. Pkt.

" Burridgeanum. Crimson-maroon, with white edge and inner circle; brilliant and showy.60450 5
" Eclipse. Yellow, with velvety brown band........60460 10
" Golden Feather. Foliage rich yellow; flowers bright red and white, on long stems........60470 5
" Northern Star. Giant white flowers, with black centers.60480 10
" Scarlet. Dark and rich........60490 5
" Yellow.....................60500 5
" White.....................60510 5
" Single Mixed. All colors...3/4 oz. 10c., oz. 50c......60520 5

Double Golden (Dunnetti)........60530 10
Double White (Dunnetti)........60540 10
Double hybridum, Mixed (Dunnetti)........60550 10

CHYRSANTHEMUM, continued

tricolor, Double Golden-leaved Sorts. A mixture of beautiful yellow-leaved sorts; flowers of various bright, vivid colors........60560 10

" Single and Double Mixed...........60570 5
" Double Mixed..................60580 10
" Double Dwarf Mixed.............60590 10

frutescens (Paris Daisy, or Marguerite). (gP.) Beautiful for cutting and pot culture; long-stemmed, single, white flowers, with golden centers. A favorite variety with florists.60610 10

inodorum, Double. Pretty white flowers, carried on long, stiff stems; fine for cutting; 1 ft....................60620 10

Leucanthemum (Shasta Daisy) (hP). Extra-large flowers, with pure white petals and brilliant golden yellow center; 2 to 2 1/2 ft. 60630 10

multicaule. An exceptionally fine little bedder; flowers yellow; blooms all summer; 3 in........................60640 5

segetum, Morning Star. Large, yellow flowers; for cutting........60650 5
" Helios, Evening Star. Fine for cutting; pure golden yellow flowers of gigantic size, borne on long stems........................60660 5

Collections of Chrysanthemum tricolor, including 12 varieties..........60690 45
" 6 varieties........................60700 25

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Poms that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemums described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties, expecting them to yield the grand show flowers of late fall, which are obtained from cuttings carefully culтивated. For ordinary culture and room decoration,
PERENNIAL CHRYSANTHEMUMS, continued
plants pinched back to form a number of branches, and holding from five to ten flowers are satisfactory. Average height of show kinds, 3 feet.

**indicum, Double.** Will produce superb flowers of different types and colors; fine for forcing and cut-flowers. ............ 60730 25

**Pompon.** The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden late in autumn; 1½ ft. 60740 25

**japonicum fl. pl.** From finest flowers. Double. An extra-choice mixture, including many of the finest large-flowering sorts ...................... 60750 50

CINERARIA. One of the most useful and ornamental of greenhouse plants; with flowers of the richest and most brilliant colors and shades, and of the finest texture. For succession, make sowings of the seed from May to September, but the main sowing in July. Very fine plants for conservatory and house decoration. Average height, 2 ft. Pkt.

**Azure-Blue.** Dwarf; fine for edging. 60780 25

**Large-flowered, Blood-Red** ............ 60790 25

**Crimson.** Very brilliant and showy ...... 60800 25

**“** Flesh-colored, Mixed .................. 60810 50

**Stella, Mixed.** Twisted and fluted petals, large flowers of very rich and bright colors .... 60820 50

**White.** Handsome. 60830 25

**Prize Mixed.** Magnificent strain ......... 60840 60

**Half Dwarf, Prize Mixed** ............... 60850 60

**Splendid Mixed.** All fine sorts ........... 60860 25

**“** Double .................................. 60870 60

**stellata** (Polyantha). Mixed .......... 60880 25

CINERARIA, continued

HALF-HARDY PERENNIALS. Require some protection. Pkt.

**maritima** (Dusty Miller). Silvery leaves. ........ 60910 5

**candidissima.** Beautiful white foliage; the best. 60920 10

**“ Diamond.** Pure white foliage; very fine .......... 60930 10

CLARKIA. One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hanging-baskets, vases and edgings to beds of larger-growing plants. Sow outdoors in early spring and grow in partial shade. The plants keep up a continuous bloom through midsummer to late autumn; average height, 1½ ft. Pkt.

**elegans alba, Double.** White .......... 60960 10

**rosea.** Rose .................................. 60970 5

**Double.** Rose ................................ 60980 5

**Single Mixed** ................. 60890 5

**Double Mixed** .................. 61000 5

**Double and Single Mixed.** 61010 5

**pulchella alba.** White ............. 61030 5

**“ marginata.** White-edged. 61040 5

**Red ........................................ 61050 5

**White Tom Thumb** ............... 61060 5

**Single Mixed** .................. 61070 5

**D o u b l e a n d S i n g l e M i x e d** .......... 61080 5

CLARY (Salvia Hermione). Pretty, hardy annuals for beds and borders; ½ ft. Pkt.

**Purple-Top.** Purple .................. 61110 5

**Red-Top.** Red ................................ 61120 5

**White-Top.** White .................... 61130 5

†CLEMATIS (Virgin’s Bower). Excellent, hardy, climbing perennials for trellises, arbors, verandas, etc. Do well in most locations. Pkt.

**crispa.** Pale purple; floriferous; 10 ft. 61160 25

**flammula.** White; sweet-scented; 25 ft. 61170 5

**paniculata.** White, fragrant, very free blooming; 10 to 20 ft. .................. 61180 10

**Jackman hybrids, Mixed.** Collection of the best colors; 10 to 15 ft. ........... 61190 25

For other sorts, see Tree Seeds, pages 62 to 65.

CLEOME. Curious, very ornamental plants, on castor-oil- plant style. Bloom freely in sandy soil; hardy annuals. Pkt.

**pungens** (Giant Spider Flower). Pink; 3 ft. .......... 61210 10

**speciosa.** Purple; fine; 2 ft. .............. 61220 10

CLIANTHUS. Splendid greenhouse plants, with pea-shaped flowers. Soak seeds in hot water before sowing. Pkt.

**Dampieri.** Scarlet; 3 ft. .................. 61240 15

**punicus.** Crimson-scarlet; 6 ft. ........... 61250 15

CLINTONIA (Downingia) pulchella. 61270 25

**Very pretty border annual; flowers freely, in purple, white, and yellow (tricolor); fine for edging; 6 in.**

†CLITORIA. Beautiful greenhouse and conservatory climber, with large, pea-shaped blooms; 10 ft. Pkt.

**ternatea.** Blue ......................... 61290 10

**alba.** White .................................. 61300 10

†COBREA. Tender climbing perennials of rapid growth; 20 ft. Pkt.

**scandens.** Purple, bell-shaped flowers .......... 61330 10

**alba.** White .................................. 61360 15

†macrostemma. Green with violet. 61350 15

†COCCINEA indica (tA). 61370 10

Ornamental climbing gourd, marked with white lines, turning scarlet; flowers red; 6 ft.

COCKSCOMB. See Celosia.
**CONVOLVULUS**

**TALL.** Beautiful and easily grown annual; rapid in covering screens, trellises, etc.
- *aureus superbus* (h.hA). Golden-yellow; 5 to 10 ft. 61680 10
  - Finest colors; 10 ft. up. oz. 20c. 61690 5
- *mauritanicus* (h.p). Blue; trailing habit; fine for baskets and rockeries. 61700 10
  - For Japanese Morning-Glory, see Ipomoea.

**DWARF.** Dwarf Morning-Glories are most elegant annuals for growing in clumps or beds; also for edgings and hanging-baskets; very bushy; of easiest culture; bloom all season; 12 in.
- *tricolor* (minor). Blue. 61730 5
  - Crimson-Violet. 61740 5
  - Rose. 61750 5
  - unicolor. Purple. 61760 5
  - White. 61770 5
  - Mixed. 61780 5

**Collection of Convulvulus tricolor**—including 8 varieties. 61790 35

**COSMOS.** One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses, or long background borders against evergreens or fences. We offer only the choice, large-flowering strains. To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy or poor soil, in a sunny situation.

**EARY FLOWERING.** Earliest of all. If seed is started early in the house or frame, this fine strain will produce flowers a month earlier than Mammoth Perfection.
- **Conchita.** Crimson. 61880 10
- **Erinda.** White. ¾ oz. 20c., oz. 60c. 61930 10
- **Rosita.** Pink. ¾ oz. 20c., oz. 60c. 61950 10
- **Mixed.** ¾ oz. 20c., oz. 60c. 61960 10
- **Klondyke.** Orange-colored; distinct foliage. 6190 25
- **Marguerite.** Petals deeply and irregularly fringed; in various bright colors. An attractive flower. 62010 10
- **Stripped.** Charming and distinct; large white centers, and petals deeply striped white. 62030 10
- **Tints of Dawn.** Handsome white flowers, slightly tinged with rose. 62040 10

**COTTON (Gossypium).** 62060 5

**COWSLIP (Primula officinalis hybrid*) 62080 10

**CRUCIANELLA stylosa** (Crosswort). 62100 5

**Coreopsis.** See Callopisia.

**CORNFLOWER.** See *Centaurea cyanus*.

**COSMIDIUM Burridgeanum.** 61860 5

**Very showy, hardy annuals of easy cultivation; flowers velvety brown; 2 ft.**

---

*Note:* The text includes a variety of plant descriptions, including species names, and provides information on their characteristics and potential uses in gardens. It also includes references to specific varieties and their uses in early flowering and cotton. The text is rich with details about each plant species, their colors, and their suitability for various gardening conditions.
CYCLAMEN. These bulbous greenhouse plants are all very beautiful and are unapproached among winter-flowering plants for duration of bloom, variety of shades and wealth of coloring. They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living-room. Their quality formed flowers and oddly marked foliage are very handsome. Sow the seed in small boxes or seed-pans in a compost of well-rotted manure, leaf-mold and sand, in the early winter months. Cover lightly with moss, which should be kept moist and should be removed after the seed germinates. Prick out into small pots when the young plants have two leaves. They should be grown steadily without any check, and they will flower in from ten to twelve months. Average height, 9 in.

**CUCUMIS.** Very luxuriant, half-hardy, climbing annuals of extremely rapid growth, bearing curious fruits; flowers yellow; 10 to 15 ft. Pkt.

- *acutangulus* (Rag or Dish-Chlof Gourd).............. 62120 5
- *erineacu*s (Hedgehog Gourd).................. 62130 10
- *flexuosus* (Snake Cucumber).................. 62130 10
- *grossularieformis* (Gooseberry Gourd)........... 62150 10
- * odoratassimus* (Pomegranate Melon)............ 62160 5
- * perennis* (hH P). Very fine....................... 62170 10

**CUCURBITA.** See Gourds.

**CUPHEA.** Pretty half-hardy perennials; fine border and pot-plants; 1 to 1½ ft. Pkt.

- * eminis* Orange-scarlet.......................... 62190 10
- * miniatia* Crimson.................................. 62200 10
- * platycenra* (Cigar Plant). Long-shaped, scarlet flowers all summer........ 62210 10
- * purpurea, Mixed*.................................. 62220 5
- * Razzii. Red.......................................... 62230 25
- * strigulosa. Violet.................................. 62240 25

**CYCLAMEN.**

- *giganteum album, Mont Blanc.* White. 100 seeds, $1...62300 25
  - * albo-rubrum.* White with red eye.100 seeds, $1...62310 25
  - * atropurpureum.* Dark red. 100 seeds, $1...62320 25
  - * Aurora Borealis.* White and pink; fringed. 100 seeds, $1...62330 25
  - * roseum. Rose.* 100 seeds, $1...62340 25

**CYCLAMEN, continued**

- *giganteum Salmon Queen.* Salmon; very fine.100 seeds, $1.25...62350 25
  - * Mixed.* Finest sorts. 100 seeds, $1...62360 25
- * persicium Papilio, Mixed.* Butterfly Cyclamen. 100 seeds, $1.50...62400 25
  - * Mixed.* 62410 10

**CYCLANTHELA explodens.** A beautiful half-hardy annual climber; yellow flowers; 8 ft. Pkt.

**CYPERUS alternifolius** (Umbrella Plant).

- * CYPRUS.* A perennial grass-like plant of fine habit; grows well in water and damp places; 2 ft.

**CYPRESS VINE.** See *Ipomea Quamoclit.*

**DAHLIA.** This favorite half-hardy perennial is most easily grown from seed sown early in the house or greenhouse. Will bloom freely outdoors until frost the first season; 3 to 6 ft. Pkt.

- Double Mixed........................ 62480 10
- Single Mixed........................ 62490 10
- Single Cactus, Mixed.............. 62500 10
- Double Cactus, Mixed.............. 62505 10
- Single Collar, (Collarette.) Mixed 62510 10
  - *"Fiery Star." (Fine Single.) Scarlet; 1 ft.* 62520 10
  - *"Jules Heretien." (Dwarf.) Fine single-flowered; scarlet; 1 ft.* 62530 10
  - *"Lucifer." (Single.) Splendid dark red blooms on long stems.* 62540 10
  - *variabilis, Giant Hybride, Double Mixed* 62550 10

**Collection of Single Dahlias, including—** 6 varieties 62560 50

**DAISY** (Bellis perennis, etc.) (hP). May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hooped or greenhouse. When well out of the seed-leaf transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September, protect with straw or litter over winter, and transplant to their permanent position in the spring. They may be grown as borders or to beds of taller-growing annuals and can be used very effectively in beds of spring-blooming bulbs; 4 inches. Pkt.

- Double Red................................. 62580 10
  - * Rose (Longfellow).* 100 seeds........... 62600 10
  - * White (Snowball).* 100 seeds............ 62610 10
  - * Mixed.* Very fine......................... 62620 10
  - * maxima alba.* Extra large. White.... 62630 15
  - * maxima rosa.* Extra large............... 62640 15
  - * maxima, Mixed.* Extra large.......... 62650 15

**Shasta Daisy.** See *Chrysanthemum Leucanthemum.*

**DAISY (Paris Daisy).** See *Chrysanthemum frutescens.*

**DAISY, Swan River.** See Brachycome.

**DAPHNE Mezereum.** 62720 25

- Early-flowering, sweet-scented, hardy shrub, with pink flowers; 3 to 4 ft.

**DATURA.** Showy, half-hardy annuals of rapid growth, with large, trumpet-shaped, fragrant flowers; 3 ft. Pkt.

- * cornucopia* (Horn of Plenty). Violet; immense flowers.......................... 62740 5
- * fastuosa, Double White. Double Purple.* 62750 5
  - * Golden Queen.* Bright yellow; splendid double variety.................. 62760 5
  - * humilis flavf l. fl. Double; yellow. 62780 5
  - * meteloides (Wrightii). White and Blc. 62790 5
DELPHINIUM (LARKSPUR). In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilacs. Improvements are continually being made in the size of the flowers, as well as in the length and fulness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 feet each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket or Hyacinth-flowered, so called from their long, narrow flower spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in spring or fall, preferably the latter, so that germination may take place very easily in the spring. As the seedlings grow, thin them to stand 6 to 18 inches apart, according to variety. The varieties are seldom kept separate, as they are quite as pretty and convenient for cutting when sown in mixture. Some of these are really hardy biennials, but, because they bloom the first season, we treat them as hardy annuals. The shades of color cover a very wide range.

Ajacis, Dwarf Rocket. Finest colors; very beautiful for bedding; 1 ft. oz. 30c. 62810 5
" Tall Rocket. Rose-pink; 62820 5
" " White; 2 ft. 62830 5
" " Long, showy spikes; -mixed colors; 2 ft. 62840 5
" Ranunculus-flowered. Double; colors fine; 2 ft. 62850 5
" Tall Branching. Flesh-color; 2 ft. 62860 5
" Tall Branching. Choice mixed; 2 ft. 62870 5
cardiopetalum. Beautiful blue flowers; 1 ft. 62880 5
Emperor Branching Rose. This and the next are splendidly bright and showy, often giving ten to twenty erect spikes of flowers; 2 ft. 62890 10
" Branching, White. Beautiful for cutting 62900 10
" Branching, Mixed. 62910 10
Newport Rose. A rose-colored and very beautiful, free-flowering sort. If sown outdoors in spring, it will bloom by the first of August; 2 ft. 62920 10

PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the fall or very early spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

Barlowi. Large, dark blue flowers; extra fine; 3 ft. 62930 25
Belladonna. Lovely pale blue; handsome plant; comes very true from seed; 4 ft. 62940 15
Brunonianum. Lovely blue, musk-scented flowers, very distinct; 6 to 15 in. 62950 25
cardinale. Orange-scarlet; a California native; 2 ft. 62960 25
cashmerianum. Spreading, many branched; flowers often 2 in. wide; deep purplish blue; 2 ft. 62970 25
chinense, Mixed (C. grandiflorum). Large flowers, ranging from pure white to indigo-blue. Young seedlings will bloom from midsummer until frost; 2 ft. 62980 10

DELPHINIUM, continued

chinense azureum. Beautiful, distinct shade of blue; 2 ft. 62990 10
elatum, Blue (Bee Larkspur). Soft clear blue; tall spikes; 3 ft. 63000 10
" hybridum, Finest Mixed. 63010 10
" hybridum, Finest Double Mixed 63020 25
formosum. Brilliant blue, white center; especially fine; 3 ft. 63030 20
" coelestinum. Sky-blue; handsome; true. 63040 20
New Large Hybrids, Mixed. All shades of blue from best named single-flowering varieties; 3 ft. 63060 15
nudicaule. The only pure bright scarlet. Dwarf and compact in growth, with flower-stems of fine length; 1 ft. A native of California. 63070 30
Zalil (sulphureum) (hP). Long spikes of yellow flowers; 2 ft. 63090 30

Collections of Delphinium, including—
12 vars. Dwarf Rocket, Annual. 63120 45
6 vars. Dwarf Rocket, Annual. 63130 25
10 vars. Tall Rocket, Annual. 63140 20
6 vars. Tall Rocket, Annual. 63150 25
6 vars. Emperor, Annual. 63160 25
6 vars. Ranunculus-flowed, Annual. 63170 25
8 vars. Tall Branching, Annual. 63180 40
6 vars. Tall Branching, Annual. 63190 30
6 vars. Hybrideum. Finest Double. 63200 50
DENDROMECON rigidum (California Yel. pkt. 12 to 15 in. in height, and bushy. Pkt. 25)
An easily grown greenhouse shrub with yellow flowers; 2 ft.

DIANTHUS. See Pinks. Carnations and Piones.

DICENTRA chrysantha ........................................... 63270 25
Half-hardy perennial from California; brilliant yellow flowers; 3 ft.

DICTAMNUS (Gas Plant). Ornamental hardy perennials; can remain for years undisturbed; the leaves, when rubbed, have a lemon odor; 3 ft.
Fraxinella. Red ........................................... 63290 10
" alb. White ........................................... 63300 10
" " Mixed ........................................... 63310 10

DIDISCUS. See Trachymene.

DIGITALIS. See Foxglove.

DIMORPHOTHECA (African Orange Daisy). Easily grown, hardy annual of great beauty; 12 to 15 in. in height, and bushy. Pkt. 25
aurantiaca. Orange; very fine ........................................... 63340 10
" " hybridra. New fine varieties, mixed ........................................... 63350 10

DOLICHOS. Very rapid-growing, hardy annual climber, bearing pea-shaped blossoms and ornamental seed-pods. Fine for covering screens, etc.; 10 ft.
Lablab (Hyacinth Bean). Purple ........................................... 63390 5
" alb. White ........................................... 63400 5
" " Mixed ........................................... 63410 5
" giganteus. White ........................................... 63420 10
" japonicus (Daylight). White; very fine ........................................... 63430 10
Purple Soudan. Purple flowers in racemes; good foliage ........................................... 63440 5

DORONICUM caucasicum ........................................... 63460 25
An early-flowering, ornamental, hardy perennial; grows easily, has large yellow flowers; 1 ft.

*DRACÉNA. Ornamental greenhouse plants; fine for pots, vases, or beds. (See also, Cordyline.)
*Draco. Very fine variety; 3 ft. ........................................... 63490 25
*indivisa. Narrow green leaves; 4 ft. ........................................... 63500 10

DRACEOCEPHALUM moldavicum (Balm).

63520 5
An easily grown hardy annual; blue flowers; fine for bees; 2 ft.

ECHEVERIA. Interesting greenhouse succulent plants, extensively used for "carpet" bedding; bluish green leaves; 3 to 6 in.
Pkt. 25
agavoides. Yellow ........................................... 63570 25
metallica. Yellow ........................................... 63590 25
secunda. Scarlet and yellow ........................................... 63610 25

ECHINOCESTIS lobata (Wild Cucumber).
A rapid-growing annual climber. 63620

ECHINOPS Ritro ........................................... 63630 10
A hardy perennial of stiff growth; flowers blue; for bees; 2 ft.

EDELWEISS. See Leontopodium alpinum.

ELSCHOLTZIA cristata ........................................... 63650 5
Hardy annual; flowers lilac; a good plant for bees; 1½ ft.
Pkt. 25

EMMENANTE penduliflora (California Golden Bells) ........................................... 63670 25
A bushy-growing, hardy annual, with long-lasting yellow flowers; 1 ft.
Pkt. 25

EPACRIS hybridra superba ........................................... 63690 50
Elegant greenhouse plants, free-blooming; st. of heath. Mixed varieties; 2 to 3 ft.
Pkt. 25

EREMURUS hisalacus ........................................... 63710 25
Strikingly handsome half-hardy perennials, with great flower-stalks crowned with white flowers; 3 ft.
Pkt. 25

ERICA (Heath) ........................................... 63730 25
Charming greenhouse shrubs. Many choice varieties, 2 ft.
Pkt. 25

ERIGERON aurantiaca (Double Orange Daisy) ........................................... 63750 10
Handsome, free-flowering, hardy perennial; 1½ ft.
Pkt. 25

ERINUS alpinus (hP) ........................................... 63770 25
Pretty alpine rock-plant; flowers blue; fine for baskets; 3 in.
Pkt. 25

ERODIUM moschatum ........................................... 63790 5
Pretty, little, hardy annual; good for borders; purple flowers; 3 in.
Pkt. 25

ERYNGIUM. Extremely ornamental, hardy perennials, well adapted for the garden border.
coelestinum. Beautiful sky-blue flowers; Pkt. 2 ft. ........................................... 63810 5
" giganteum (Silver Thistle). Blue; 4 ft. ........................................... 63820 10

ERYSIMUM. Free-flowering, hardy annuals of neat habit and bright colors; style of wallflowers; 1 to 1½ ft. Pkt. 25
arkansanum. Yellow ........................................... 63840 5
Perfofaskianum. Orange ........................................... 63850 5

ERYTHRINA Crista-galli (Coral Tree).

63870 10
This fine greenhouse shrub does well in the garden border in summer; scarlet flowers.

ESCHSCHOLTZIA. Commonly called California Poppy. The state flower of California. This much esteemed hardy annual is very bright and rich in its pure tints of yellow, orange, etc. The plants average about a foot in height, with silvery foliage, and produce their large, poppy-like flowers from early spring until frost. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thinly and lightly raked in. These sowings may be made early in spring or late in autumn for earlier germination, blooming the next spring. Useful as a pot-plant and for cut-flowers.

THORBURNI. Coppery orange; the effect of a plant in bloom is simply gorgeous; the flowers are larger than those of other Eschscholtzias, and are borne with equal precision; finest of all. (See cut, p. 87.) 63900 10

california. Rich yellow...oz. 30c. ........................................... 63910 5
" alba. Creamy white ........................................... 63920 5
" alba fl. pl. Fine sort, with double, creamy white flowers ........................................... 63930 10
" Burbank’s Crimson-flowering. Crimson ........................................... 63940 10
FORGET-ME-NOT, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>alpestris</em>, Indigo-Blue</td>
<td>Very fine</td>
<td>64300 10</td>
</tr>
<tr>
<td><em>nana</em> cœrulea</td>
<td>Very dwarf; compact; sky-blue; fine for edging</td>
<td>64310 15</td>
</tr>
<tr>
<td><em>robusta grandiflora</em> (Eliza Forerobert)</td>
<td>Grown extensively for cutting. Large, sky-blue florets with yellow eye; in large clusters</td>
<td>64320 15</td>
</tr>
<tr>
<td><em>rosea</em></td>
<td>Rosy flowers; pretty contrast with blues and whites</td>
<td>64330 10</td>
</tr>
<tr>
<td><em>Victoria</em></td>
<td>Strong-growing; dwarf habit; flowers large, globular, sky-blue, abundant; fine for borders, growing in pots and for cutting</td>
<td>64340 15</td>
</tr>
<tr>
<td><strong>Mixed</strong></td>
<td></td>
<td>64350 10</td>
</tr>
<tr>
<td><em>azorica</em> (hA)</td>
<td>Dark blue, with white eye;</td>
<td>64360 25</td>
</tr>
<tr>
<td><em>coelestina</em> (hA)</td>
<td>Beautiful light blue;</td>
<td>64370 25</td>
</tr>
<tr>
<td><em>dissitiflora</em> (hP)</td>
<td>Blooms very early; flowers blue</td>
<td>64380 15</td>
</tr>
<tr>
<td><em>hybridus</em>, Star of Love (hB)</td>
<td>A distinct dwarf variety, with large, beautiful blue flowers and handsome foliage.</td>
<td>64390 25</td>
</tr>
<tr>
<td><em>Ruth Fischer</em> (hB)</td>
<td>Pure Forget-me-not-blue.</td>
<td>64400 25</td>
</tr>
<tr>
<td><em>palustris</em> (hP) (True Forget-me-not)</td>
<td>Dark blue; blooms the second year abundantly all season; the best known of all.</td>
<td>64410 10</td>
</tr>
<tr>
<td><em>semperflorae</em> (hP)</td>
<td>Bright blue; dwarf; blooming from spring until autumn; foliage a good shade of green</td>
<td>64420 25</td>
</tr>
<tr>
<td><em>sylvatica</em> (hB)</td>
<td>Blue, with yellow eye; likes dry soil; 1 to 2 ft</td>
<td>64430 10</td>
</tr>
</tbody>
</table>

FEVERFEW. See Matricaria.

FLAX. See Linum.
FOUR O'CLOCK (Mirabilis). Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Called Four o’Clock because it opens its blossoms at that hour in the afternoon. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and of various colors.

Hybrids, Mixed. Fine assortment; 2 ft. Pkt. 5

longiflora alba. White; 2 ft. 4 ft. 5

Variegated-leaved. Many colors; 2 ft. 4 ft. 5

Tom Thumb, White. Bushy habit; 1 ft. 4 ft. 5

Collections of Four o’Clocks, including 12 varieties 45 Pkt. 6

6 varieties 30 Pkt. 6

6 varieties variegated-leaved 25 Pkt. 6

FOXGLOVE (Digitalis). The tall flower-spikes of the Foxgloves, often 2 to 3 ft. long, are particularly handsome when grown among shrubbery, or in bold masses. Used as a background for lower plants, they are very fine. Seed may be sown outdoors in spring and the seedlings transplanted where they are to grow, or, preferably, to a coldframe, where they make extra-strong plants that will flower in magnificent spikes the next season. Hardy perennials, they are most satisfactory when treated as biennials, sowing the seed every year in rich, deep soil and partial shade. When the center spike begins to fade, it should be cut out and the side shoots will grow more vigorously and keep up a profusion of flowers for a long time. Average height, 3 to 4 ft.

purpurea. Purple. Pkt. 5

purpurea, Rose. Very showy; long spikes 10 Pkt. 6

purpurea, White. Fine and attractive Pkt. 6

purpurea, Mixed 5 Pkt. 6

gloxinoides, Purple 10 Pkt. 6

" Rose. Bright, showy flowers borne profusely on fine spikes 10 Pkt. 6

" White. Very handsome, gloxinia-like flowers; robust; beautiful for cutting. 10 Pkt. 6

" Mixed. All the choice colors. 10 Pkt. 6

grandiflora lutea, Yellow. Large-flowered, long racemes of bell-shaped blossoms; dwarf 10 Pkt. 6

maculata superba. Ivery’s Spotted. Mixed colors 10 Pkt. 6

monstrosa, Splendid Mixed. Very large, bell-shaped flowers of exquisite beauty, borne on long spikes 10 Pkt. 6

Collection of Foxgloves, including 12 varieties 45 Pkt. 6

FRAGARIA indica 10 Pkt. 6

TRAILING Hardy perennial; yellow flowers and beautiful scarlet fruit; elegant for hanging-baskets.

FREESIA. Extemed greenhouse bulbous plants, with very sweet-scented flowers; 2 ft.

refracta alba. White 2 Pkt. 6

Mixed 2 Pkt. 6

FUCHSIA (Ladies’ Eardrops). The well-known spring-blooming greenhouse plants; also fine for the window-garden. As bedding plants they flower magnificently in the summer if given partial shade and rich soil.

procumbens. Blue; trailing variety for vases and hanging-baskets 25 Pkt. 6

triphylla. Scarlet; dark leaves 50 Pkt. 6

hybrida, Finest Single, Mixed 50 Pkt. 6

“ Finest Double, Mixed 50 Pkt. 6

“ Finest Single and Double, Mixed 50 Pkt. 6

Collection of Fuchsias, including 12 best varieties, 10 seeds each 15 Pkt. 6

GAILLARDIA (Blanket Flower). Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown; the individual flowers are of large size, very durable and most brilliant in color; fine for bouquets; 2 to 3 ft.

amblyodon (hA). Fine red 2 Pkt. 6

grandiflora maxima (hP). Golden yellow; 2½ ft. 3 Pkt. 6

oculata (hP). New light shades with red centers; very fine, large-flowering hybrids 3 Pkt. 6

" Extra-fine Mixed (hP) 10 Pkt. 6

" semi-plena Mixed (hP). Superb; very large-flowering, semi-double varieties... 10 Pkt. 6

All the following "Picta" sorts are most elegant annuals, and well deserve very generous plantings.

picta (hA). Red-and-yellow; very brilliant 3 Pkt. 6

" Lorenziana. Double; mixed colors; flowers large. See cut, p. 89. 2 Pkt. 6

Salmona. Salmon-red; fine 2 Pkt. 6

" Mixed. Finest colors 2 Pkt. 6

Collection of Gaillardia, including best 6 annual varieties 25 Pkt. 6

GALEGA. Ornamental, tall-growing, hardy perennials, well suited for borders or cutting; blooms all summer; 3 to 4 ft.

officialis. Blue 2 Pkt. 6

alba. White 2 Pkt. 6

GAMOLEPIS Tagetes. 60½ Pkt. 6

Half-hardy annual of easiest culture; continuous bloomer; fine for beds; flowers yellow; 1½ ft.

GARDENIA Thunbergii. 60½ Pkt. 6

Favorite greenhouse plants, with pure white, fragrant flowers; 2 ft.

GAURA Lindheimer. 60½ Pkt. 6

Free-flowering hardy annual, very effective in clumps; red-tinted white flowers; to 3 ft.

GENISTA canariensis. 60½ Pkt. 6

Ornamental and free-flowering tender perennial; yellow flowers; 2½ ft.

GENTIANA. Showy hardy perennials, valued for their beautiful, intense blue flowers early in the season.

aculis (Blue Gentian). Dark blue; 3 in. in height 10 Pkt. 6

cruciata. Azure-blue; 1½ ft. 10 Pkt. 6

GERANIUM. Most valuable greenhouse plants, blooming continuously. For bedding in the outdoor garden nothing equals them; 1½ ft.

Zonale. Scarlet 20 Pkt. 6

Double Scarlet (25 seeds in a packet) 20 Pkt. 6

Apple-scented. Pink; fragrant foliage 20 Pkt. 6

See, also, Pelargonium.
GERBERA (Transvaal Daisy). Very pretty half-hardy perennials, fine for garden borders and also winter forcing; grows about 2 feet in height and blooms all through the season.

Jamesoni. Deep scarlet (25 seeds in a packet).... 65180 25

hybrida, New Hybrids. Great diversity of colors, from pure white to dark red; fine for cutting (25 seeds in a packet).... 65190 30

GESNERIA. Beautiful greenhouse plants, with brilliant, long-tubed flowers and velvety leaves; 1 ft. Pkt.

macrantha. Scarlet.... 65210 25

Extra-fine Mixed.... 65220 25

GEUM. Handsome half-hardy perennials that bloom freely all the season; fine for bouquets; 1½ ft. in height. Pkt.
obscineum. Scarlet.... 65240 10

atrosanguineum fl. pl. Double; crimson.... 65250 10

GILIA. Pretty half-hardy annuals that bloom most freely and continuously the whole season. Do finely in any situation; look well on lawns and in beds; are good for rockeries, and can be planted at any time; 1 ft. Pkt.

achillefolia. Blue.... 65280 5

alba. White.... 65290 5

" rosea. Rose.... 65300 5

capitata. Light blue.... 65310 5

alba. White.... 65320 5

laciniata. Dark blue; dwarf (6 inches). For borders.... 65330 5

linifora. White; dwarf (6 inches). For borders.... 65340 5

nivalis. White.... 65350 5

tricolor. Violet, yellow and white.... 65360 5

" rosea splendens. Rose.... 65370 5

Mixed.... 65380 5

GLAUCIUM (Horned Poppy). Showy half-hardy perennial, with large, poppy-like flowers and glaucous-blue foliage; of easiest culture; 2 ft. Pkt.
lutum. Yellow.... 65390 5

Burbank's Hybrids. A fine mixture. 65400 10

GLOBE AMARANTH. See Gomphrena.

GLOBULARIA trichomantha.... 65420 10

Handsome hardy perennial, dark blue flowers; good in well-drained borders, but especially showy in rockeries; 6 ft.

GODETIA. Favorite, free-blooming hardy annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand a foot apart in rather thin soil. Fine for cut flowers. Pkt.

Bijou. Of dwarf, bushy habit; lovely blush-white flowers borne in great profusion.... 65450 5

Crimson Glow. Intense, dazzling crimson; fine, compact grower; very floriferous.... 65460 15

Duchess of Albany. Satiny white.... 65470 10

Fairy Queen. Large, white flowers, with carmine spots.... 65480 10

gloriosa (Lord Roberts). Darkest red; dwarf.... 65490 10

grandiflora maculata. Great white flowers, blotched with carmine.... 65500 10

Lady Altemarle. Dark crimson.... 65510 10

" compacta (General Gordon). Dark crimson; dwarf.... 65520 10

Lady Satin Rose (G. Whitneyi compacta, Brilliant). Bright carmine.... 65530 5

GODETIA, continued

Pkt.

Lindleyana. White and red.... 65540 5

Princess of Wales. Brilliant carmine; fine cut-flower variety.... 65550 5

Rosamund. Large; glossy pink.... 65560 10

rubicunda splendens. Brilliant red; fine.... 65570 5

The Bride. White and crimson.... 65580 5

White Pearl. Beautiful glossy white; on long stems.... 65590 5

Whitneyi. Superb, rose flowers, blotched crimson; elegant pot-plant.... 65600 5

" Brilliant. Carmine; very showy.... 65610 5

Mixed, Tall Varieties.... 65620 5

" Dwarf Varieties.... 65630 5

Collection of Godetias, including 6 choice varieties.... 65640 25

GOLDEN FEATHER. See Pyrethrum.

GLOXINIA. Greenhouse plants with magnificent flowers of great brilliancy; very decorative. If the seed is started early in the season the plants bloom the same summer; do best in light, rich soil; one pot-plant for the window-garden; 1 to 1½ ft.

hybrida grandiflora—
Pkt.

Mixed.... 65670 50

crassifolia erecta, Mixed.... 65680 50

horizontalis, Mixed.... 65690 50

Defiance. Glowing scarlet; superb; fine foliage.... 65700 50

French Tigered and Spotted. Very rich colors; splendiferous.... 65710 50

gigantea, "Cyclops." Carmine, white border, throat dotted with dark red.... 65720 50

" "Goliath." Purple, white border, delicately spotted throat.... 65730 50

GAILLARDIA PICTA LORENTZIANA (see page 88)
**GOMPHRENA (Globe Amaranth).** These well-known hardy annuals are amongst the most popular of the "Everlastings" for dried winter bouquets; also well adapted for beds and edgings in the garden. Their round heads of flowers are also called "Bachelor's Buttons." 1 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>globosa rubra</td>
<td>Purplish red</td>
<td>65750</td>
<td>5</td>
</tr>
<tr>
<td>alba</td>
<td>White</td>
<td>65760</td>
<td>5</td>
</tr>
<tr>
<td>carnea</td>
<td>Flesh-pink</td>
<td>65770</td>
<td>5</td>
</tr>
<tr>
<td>variegata</td>
<td>Striped</td>
<td>65780</td>
<td>5</td>
</tr>
<tr>
<td>nana compacta rubra</td>
<td>Purplish red; dwarf; for pots and borders; 6 in.</td>
<td>65790</td>
<td>5</td>
</tr>
<tr>
<td>nana compacta alba</td>
<td>White; dwarf</td>
<td>65800</td>
<td>5</td>
</tr>
<tr>
<td>Mixed</td>
<td>65810</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>aurea superba (Haageana)</td>
<td>Orange; very fine</td>
<td>65820</td>
<td>5</td>
</tr>
<tr>
<td>Collection of Gomphrena, including 6 varieties</td>
<td>65830</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**GOURDS (ORNAMENTAL) (hA).** These rapid-growing annual climbers have most luxuriant foliage and are excellent for covering verandahs or trellis-work, and for training over arbors, fences, etc. Bear most curious fruits; the vines are immune from insect pests; to 10 to 25 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple-shaped</td>
<td>A good sort</td>
<td>65860</td>
<td>5</td>
</tr>
<tr>
<td>Bottle Gourd</td>
<td>65870</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Calabash</td>
<td>The Pipe Gourd</td>
<td>65880</td>
<td>5</td>
</tr>
<tr>
<td>Dipper-shapped</td>
<td>65890</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Dish-cloth</td>
<td>Chinese Luffa. Interior useful as a sponge</td>
<td>65900</td>
<td>5</td>
</tr>
<tr>
<td>Egg-shaped</td>
<td>White, egg-like fruits</td>
<td>65910</td>
<td>5</td>
</tr>
<tr>
<td>Hercules' Club</td>
<td>Long green fruits</td>
<td>65920</td>
<td>5</td>
</tr>
<tr>
<td>Knob-Kerrie Gourd</td>
<td>Green-and-yellow fruits, ball-shaped, with long handles</td>
<td>65930</td>
<td>5</td>
</tr>
<tr>
<td>Mock Orange</td>
<td>Orange-shaped fruits; one of the best known</td>
<td>65940</td>
<td>5</td>
</tr>
<tr>
<td>Pear-shaped</td>
<td>Very showy</td>
<td>65950</td>
<td>5</td>
</tr>
<tr>
<td>Sugar Trough</td>
<td>65960</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td>A fine assortment</td>
<td>65980</td>
<td>5</td>
</tr>
<tr>
<td>Collection, including 12 varieties of small ornamental Gourds</td>
<td>65990</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**GRAMMANTHES gentianoides** 66020 10  
Hardy annual; scarlet flowers; for edgings, pots or baskets; 6 in.

**GREVILLEA robusta (Silk Oak)** 66040 10  
Graceful, evergreen greenhouse plant, easily raised from seed; fern-like foliage; fine for table decoration.

**GUNNERA (Chilian Rhubarb).** Hardy perennial, decorative lawn plants; leaves gigantic, often 7 to 8 ft. long; flowers reddish purple. Need rich soil and plenty of water; 4 to 6 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>manicata</td>
<td>66060</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>scabra</td>
<td>66070</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**GYPSOPHILA (Baby's Breath).** Both the annual and perennial varieties are most easily grown; very graceful and delicate flowers and foliage; fine for rock-work or shrubbery and bouquets; 2 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>elegans (hA).</td>
<td>Pure white, oz. 30c.</td>
<td>66090</td>
<td>5</td>
</tr>
<tr>
<td>grandiflora alba (hA).</td>
<td>Large-flowering, white oz. 30c.</td>
<td>66100</td>
<td>5</td>
</tr>
<tr>
<td>carinea (hA).</td>
<td>Rosy carmine; elegant</td>
<td>66110</td>
<td>5</td>
</tr>
<tr>
<td>rosea (hA).</td>
<td>Rose</td>
<td>66120</td>
<td>5</td>
</tr>
<tr>
<td>muralis (hA).</td>
<td>Pink; dwarf; very fine</td>
<td>66130</td>
<td>5</td>
</tr>
<tr>
<td>cerastoides (hP).</td>
<td>White; dwarf; fine for cutting; 6 in.</td>
<td>66140</td>
<td>5</td>
</tr>
<tr>
<td>paniculata (hP).</td>
<td>White; fine for bouquets</td>
<td>66150</td>
<td>5</td>
</tr>
</tbody>
</table>

**fl. pl.** (hP). Fine clusters of double, white flowers; rare; foliage very dainty and filmy; very fine for cutting. 66160 50

**HAWKWEED (Crepis).** Showy, hardy annuals of easiest culture; 1 to 1½ ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golden Yellow</td>
<td>66200</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td>66210</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>66220</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**HEDYSARUM.** Hardy biennials, with mimosas of beautiful, pen-like flowers; adapted for borders and rockwork. Of the easiest culture. So-called "French Honeysuckle," but no relation to that vine. Not a climber; 3 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>coronarium</td>
<td>Scarlet</td>
<td>66240</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>album</td>
<td>White</td>
<td>66250</td>
</tr>
</tbody>
</table>

**HELENIUM autumnale superbun (Sneezewort).** 66270 10  
Late-flowering hardy perennials; broad heads of golden yellow flowers; fine for cutting; 5 to 6 ft.

**HELICHRYSUM (Eternal Flowers).** A most popular, hardy annual; the flowers are large and the colors bright; highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded, and suspended with heads downward in a cool and airy place; 1 to 2 ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>bracteatum</td>
<td>Single-flowering; yellow</td>
<td>66290</td>
<td>5</td>
</tr>
<tr>
<td>album</td>
<td>White</td>
<td>66300</td>
<td>5</td>
</tr>
<tr>
<td>n. albumatrococineum</td>
<td>Dark red</td>
<td>66310</td>
<td>5</td>
</tr>
<tr>
<td>n. atrosanguineum</td>
<td>Dark red</td>
<td>66320</td>
<td>5</td>
</tr>
<tr>
<td>Mixed</td>
<td>oz. 40c.</td>
<td>66330</td>
<td>5</td>
</tr>
<tr>
<td>monstrosum, Double Mixed</td>
<td>66340</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Dwarf Double Mixed</td>
<td>66350</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Collections of Helichrysum, including 6 varieties of Double</td>
<td>66370</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>6 varieties of Dwarf Double</td>
<td>66380</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

**HELIOPSIS Pitcheriana.** 66400 40  
This well-known hardy perennial is esteemed highly for the garden border and for cutting; bears beautiful golden yellow flowers all summer; 2 ft.

**HELIOTROPION (HELIOTROPE).** These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed; 1½ ft.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mad. de Blonay</td>
<td>White</td>
<td>66420</td>
<td>10</td>
</tr>
<tr>
<td>peruvianum</td>
<td>Light blue</td>
<td>66430</td>
<td>10</td>
</tr>
<tr>
<td>Voltaireanum</td>
<td>Bluish purple; dwarf</td>
<td>66440</td>
<td>10</td>
</tr>
</tbody>
</table>
HELIOTROPIUM, continued

White Lady. White; large flower. 66450 10
Lemoine's Giant, Mixed. Very fine, large flowers. 66460 10
Dark-leaved Sorts, Mixed. 66470 10
Fine Mixed. 66480 10
Collections of Heliotrope, including—
12 best varieties 66490 90
6 best varieties 66500 50

HELIPTERUM. Half-hardy annuals, with dense masses of flowers; resemble Helichrysums, and useful in the same way as "Everlasting" flowers; ft.
Pkt. corymbiflorum. White 66530 5
Sanfordii. Yellow 66540 5

HELEBORUS (Christmas Rose). These well-known, spring-flowering, hardy perennials thrive finely in any common soil, in a sheltered, semi-shady situation; 1 ft.
Pkt. niger. White 66560 10
Mixed Hybrids. Very fine 66570 25

HESPERIS. See Rocket.

HEUCHERA. Compact-growing hardy perennials, with erect spikes of brilliant flowers; fine for the border, blooming all summer; nothing more desirable for cut-flowers; 1 ft.
Pkt. sanguinea. Crimson; fine for pots and cutting 66600 15
" splendens. Dark red; splendid 66610 25
" hybrida. Mixed. Many effective varieties 66620 15

HIBISCUS (Mallow). All the species bear very showy flowers and are easily grown; should be employed largely in every garden.
Pkt. africanus (hA). Free-flowering, fine annual; flowers yellow and purple; 2 ft. 66640 5
Crimson Eye (thP). White and crimson; splendid in borders; 4 ft. 66650 10
syriacus, Double (hS). Pink and white.
This is the "Rose of Sharon." 6 ft. 66660 5
moscheutos roseus (hP). Large, rose-colored flowers; 4 ft. 66670 5

HOLLYHOCKS (Althaea rosea). Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year of these splendid hardy perennials, as the flowers on young, vigorous plants are much finer than on old ones. sowings should be made in April or May, and not later than June, to flower the next year. In final transplanting give each seedling a foot or more space each way for development. They succeed best in an ordinary deep, rich soil. They make a glorious show in the garden with their splendid spikes of flowers. Water well in dry weather. Average height, 6 feet. Our seed is of magnificent, double varieties, grown from Chater's celebrated collection, which has revolutionized the popular estimation of the Hollyhock.

DOUBLE ROSETTE. A perfect double variety of finest form; exquisite shade of red, center like a beautifully frilled rosette; flower-spikes 6 ft. in height, and all flowers open about the same time.

DOUBLE HOLLYHOCKS, ROSETTE, continued

Pkt.
Makes a magnificent display in the garden or hardy border. 66700 25
Bright Pink. 1/4 oz. 66710 10
Bright Rose. 1/4 oz. 66720 10
Bright Scarlet. 1/4 oz. 66730 10
Cherry. 1/4 oz. 66740 10
Chamois-Rose. 1/4 oz. 66750 10
Lilac. 1/4 oz. 66760 10
Light Rose. 1/4 oz. 66770 10
Maroon. 1/4 oz. 66780 10
Salmon. 1/4 oz. 66790 10
Snow-White. 1/4 oz. 66800 10
Yellow. 1/4 oz. 66810 10
Mixed Double. 1/4 oz. 66820 10
" Allegheny, Fringed. 1/4 oz. 66830 15
" Single. 1/4 oz. 66840 5

Collections of Double Hollyhocks, including—
12 vars. Chater's Superb 66850 80
8 vars. Chater's Superb 66860 60
6 vars. Chater's Superb 66870 45

ANNUAL HOLLYHOCKS. This annual strain blooms the first year from seed, if started early in the house.
Pkt.
Annual Varieties, Double and Semi-Double, Mixed 66900 15

HONESTY (Lunaria biennis) 66920 10
Hardy biennial, Purple, with silvery seed vessels; prized for winter decorations; 2 ft.

HORNED POPPY. See Glaucium.

HUMEA elegans alba. 66940 15
Half-hardy biennial; white, sweet-scented flowers.
Keep in pots the first season then plant out in garden border; 5 ft.

HUMULUS (Climbing Hop). The well-known, fast-growing, hardy annual climber 15 to 20 ft.
Pkt.
japonicus (Japanese Hop). Beautifully cut green foliage; makes fine shade. 0z. 66960 5
" variegatus. With white-variegated leaves; fine. 1/4 oz. 66970 5

HUNNEMANNIA fumariifolia. 66980 10
Very showy hardy annual with large, golden yellow flowers and feathery, glaucous foliage; 3½ ft.
HYACINTHUS candidans ............. 66390
Favorite hardy bulbous plant; white, bell-shaped flowers; 4 ft. 5
HYPERICUM elegans (St. John’s Wort)...... 67010
An elegant hardy perennial; blooms all summer; yellow flowers; ½ ft. 10
IBERIS. See Candytuft. Pkt.
ICE PLANT (Mesembryanthemum cystal-
linum) .................................. 67040
Half-hardy annual; its succulent leaves are covered with waxy vesicles resembling pieces of ice; white flowers; 6 in. 5
See, also, Mesembryanthemum.
IMPATIENS (Touch-me-not). Charming greenhouse and window-garden plants that bloom profusely and almost continuously. Good also for bedding; 1 to ½ ft. Holstii. Large, vermillion flowers; quick grower; splendid. 67060 hybrida, Mixed. Finest colors. 25
Sultani. Bright rosy carmine; fine for pots. 67070 25
Queen Carola. Chamois; very fine. 67090 hybrida, Mixed. Splendid mixture. 67100 glanduligera (tA). Purple flowers; bright foliage. 67110 10
*INCARVILLA. Ornamental hardy perennials, with brilliant gloria-like flowers; continuous bloomers; succeed well in any situation, and make a fine show in the garden; 2 to 3 ft. 25
Delavayi. Rosy carmine; splendid border plant. 67130 grandiflora. Large, dark carmine flowers. 67140 variabilis. Large, rose-colored flowers; fine sort for cutting. 67150 25
INULA glandulosa grandiflora. . . 67170 Splendid hardy perennial, with large, orange-yellow flowers borne on erect stems; in bloom all summer; 2 ft. 25

IPOMOEA (MUNFLOWER--MOONFLOW-
GLORY--CYPRESS VINE). Of all
climbers for garden and greenhouse these are the quickest and most luxuriant in growth. Ipomoea grow so easily from annual sowings that it is no longer thought necessary to winter over roots or young-cutting plants under glass. The large, thorny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds or pots and boxes under glass, and transplant to rich, deep soil in the open as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc. These are very hard-seeded, and, in order to hasten germination, a notch should be filed in the seed before planting.

ANNUAL VARIETIES. From early sowings these begin to bloom about midsummer, and are full of beautiful flowers all the season, often blooming freely until cut down by frosts.

*bena nox (Good Night, or Evening Glory). Large, blue flowers open in the evening; 15 ft. .......... 67200 coccinea. Scarlet flowers; 10 ft............ 67210 lutea. A yellow-flowered variety. .......... 67220 hederacea grandiflora superba. Rich sky-blue flowers with white margins; 15 ft. 67230 grandiflora fol. marmo-
ratis, Mixed, Variegated. 67240 IMPERIAL JAPANESE MORN-
GLORY. The leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade; 30 to 40 ft. Finest Single Mixed. Large-flowered; all colors. 67260 Fringed Single Mixed. All beautifully fringed. 67270 Double-flowered Mixed. Superb mixture of double sorts. 67280 Giant "Mikado." Largest-flowered. 67290 limbata. Violet and white; 5 ft. 67320 mexicana grandiflora alba. The great white Moonflower; 15 ft. 67330 L glandulosa grandiflora. Flowers very large and num-
berous; 15 ft. 67340 5
Nil grandiflora. Light blue, large flowers; 15 ft.............. 67350 rubro-cerulea, Heavenly Blue. The very large, clustered flowers of beautiful sky-blue open early in the morning. Unusu-
ally distinct and handsome; 10 ft. 67370 10 Sow early. rubro-cerulea alba. White; 8 ft. 67380 10 rubro-cerulea grandiflora. Early-
flowering. Produces gorgeous sky-blue flowers with rose-colored markings, from 4 to 5 inches across, in great abundance. Rapid grower. If sown in boxes or hot-
beds, the young plants may be set out in April or May in a sunny situation, where they will flower from about mid-
summer until frost. Flowers remain open all day; 15 to 18 ft. 67390 15 Quamoclit (Cypress Vine; Star Flower). A tender annual, with finely cut leaves and small, star-shaped flowers. This, the type, is scarlet-flowered; 10 ft. 67430 5
IPOMOEA, continued

QUAMOCIT HYBRIDA—CARDINAL CLIMBER. One of the best annual climbers introduced for many years. Rapid grower with branching habit; flowers all summer in fiery cardinal-red clusters; 25 ft. 67440 25

" Kerberi. Fine scarlet flowers; blooms late. 67450 10

" White. 67460 5

" Mixed Cypress Vine. Pretty leaves, deeply lobed; fiery orange-scarlet flowers. 67480 10

Collection of Ipomoea, including 12 varieties annual sorts. 67500 50

GREENHOUSE CLIMBERS. These handsome vines grow nicely in open ground, but bloom almost too late to be very useful there, in all except warm climates. Grown in pots, tubs or greenhouse beds, they flower grandly between October and spring. Pkt.

Learii. Quick, strong grower, sometimes succeeding well outdoors. Flowers violet-blue; 15 ft. 67520 10

setosa (Brazilian Morning-Glory). This vine makes an immense, thick growth of great, lobed leaves lighted by a profusion of large, rosy flowers, with a satiny pink star in the centers. The red pubescent stems and seed-pods add very much to its attractiveness; 10 to 20 ft. 67530 10

IPOMOPSIS. Showy and beautiful tender biennials; the seeds should be started in the house; flowers very bright in color; Pkt.
elegans. Scarlet.................. 67560 10
" aurantiaca. Orange........ 67570 10
" sanguinea. Scarlet.......... 67580 10
" Mixed. 67590 10

IRIS Kaempferi.................. 67620 10

These most desirable hardy herbaceous perennials begin to bloom the second year from seed. Our assortment is saved from a fine collection; 2 ft.

JACOB'S LADDER (Polenonium). Beautiful, old-fashioned, hardy perennial border plants; flowers in clusters; 2 ft. Pkt.
Blue.................. 67650 5
White.................. 67660 5

JACOB'S (Senecio). Very free-flowering, hardy annuals of easy culture; good for both pots and bedding; t to 1½ ft. Pkt.
elegans fl. pl., Tall Double, White. 67680 5
" " " Purple. 67690 5
" " " " Mixed. 67700 5
Collection of Jacobea, including 6 varieties Dwarf Double. 67720 35

JAPANESE MORNING-GLO. See Ipomoea.

JOB'S TEARS. See Coix Lacrymae.

JOSEPH'S COAT. See Amaranthus.

KAULFUSSIA. Hardy annual, succeeding well in any good soil; fine for edgings and pots; good habit and bright color; 1 ft. Pkt.
amelloides. Blue.................. 67770 10
" atroviolacea. Dark violet..... 67780 10
" Kermesina. Violet-red. 67790 10
" Mixed.................. 67800 10

KENILWORTH IVY. See Linaria.

K. KENNEDYA. Profuse-blooming, perennial climbers for the greenhouse. Do best in sandy loam; 10 ft. Pkt.
corulea. Blue.................. 67820 10
Comptoniana. Purple.................. 67830 10

KOCCHIA trichophylla (Improved Summer Cypress). oz., 25c. 67860 5
A rapid-growing, hardy annual; foliage green, turning to fiery red in autumn; very ornamental on the lawn; 2 to 3 ft. in height, Pkt.

K. KUDZU VINE (Pueraria Thunbergiana) 67880 10
A perennial climber from Japan; fine when once established, often growing 40 feet in a season. Purplish violet, fragrant, wisteria-like flowers; good foliage. Pkt.

L. LANTANA, Fine Mixed.................. 67930 5
Rapid-growing, tender perennial, forming small, bushy shrubs; fine for bedding and pot culture; 2 ft. Pkt.

L. LAPAGERIA rosea.................. 67950 50
Beautiful perennial greenhouse climber; large, rosy crimson, bell-shaped, waxy flowers; 15 ft.

LARKSPUR. See Delphinium.

LATHYRUS latifolius (Pres. Pea). [HP.] These have not the fragrance of sweet peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc.; 4 to 8 ft. Pkt.
Crimson. Beautiful shade. oz., 50c... 68000 10
Pink Beauty. Blossoms white, veined, edged and shaded pink. oz., 50c... 68010 10
White. Valuable for cut-flowers in midsummer. oz., 50c... 68020 10
magellanicus (Lord Anson's Pea). These hardy annuals are said to have been originally introduced by the cook of H. M. S. Erebus, commanded by Lord Anson in 1744. Medium-sized flowers produced in bunches from June until end of July; 3 to 5 ft. Pkt.
Blue. Strong-growing; dark purple-blue. oz., 20c... 68040 5
White. A pretty white form of above. oz., 20c... 68050 5
odoratus (Sweet Pea). See page 69.

KAULFUSSIA AMELLOIDES

KOCCHIA TRICHOXYLLA
LAVATERA. Very showy and free-flowering; splendid for large beds in the garden, where they bloom all summer; fine for cut-flowers.  

trimestris (hA). Red; makes a brilliant show in the garden; 2½ ft. 68080 5

alba (hA). White. 68090 5

arborea (Tree Mallow) (hB). Purple; 6 ft. 68100 5

variegata (hB). Ornamental foliage, mottled yellow and white. 68110 15

LAYIA elegans. 68140 10

Pretty, dwarf-growing, hardy annual, with yellow-and-white flowers; of easiest culture; 1 ft.

LEMON VERBENA. See Verbena.

LEONTOPODIUM alpinum (Edelweiss). 68180 15

Pretty hardy perennial from the Alps, with white leaves; used in rockwork; 6 in.

LEPTOSIPHON. Elegant hardy annuals and should be in every garden; fine for edgings or rockeries; blooms in masses; 1 ft. Pkt.

androsaeus. Lilac. 68200 10

albus. White. 68210 10

aureus. Orange. 68220 10

carmineus. Carmine; very beautiful and showy. 68230 10

densiflorus. Blue. 68240 10

albus. White. 68250 10

hybrida, Mixed. 68260 10

Mixed. 68270 5

LEPTOSYNE. Fragrant half-hardy annuals; large, marquise-like flowers on long stems, good for cutting; 1 ft. Pkt.

maritima. Yellow. 68290 10

Stillmanii. Golden yellow; blooms six weeks after sowing. 68300 15

LIATRIS (Kansas Blazing Star). Showy hardy perennials; do well in common soil, large spikes of flowers. Pkt.

pycnostachya. Purple; 3 ft. 68320 15

spicata. Purple; 2 ft. 68330 15

LIMNANTHES Douglasii. 68350 10

A vigorous, dwarf-growing hardy annual, with yellow-and-white fragrant flowers; 1 ft.

LINARIA (Toad Flax). Snapdragon-shaped flowers, fine for cutting. The dwarf-growing varieties are desirable for edgings and rockwork; all of the easiest culture.

bipartita alba (hA). White; 1 ft. 68380 5

elegans (hA). Purple; 1 ft. 68390 5

splendida (hA). Dark violet; 9 in. 68400 5

maroccana (hA). Purple; 9 in. 68410 5

" Mixed Hybrids (hA). Very fine; 9 in. 68420 10

cymbalaria (Kenilworth Ivy). (hP). Charming, hardy perennial, trailing plants for baskets, rockwork, etc. 68430 10

macedonica speciosa (hP). Strikingly handsome, large yellow flowers, fine for cutting; 3 ft. 68440 25

LINUM (Flax). Pretty, free-flowering garden plants of easy cultivation. Pkt.

flavum (hP). Yellow; fine; 1 ft. 68470 5

grandiflorum rubrum (hA). The favorite "Scarlet Flax." Large-flowered; 1 ft. 68480 5

Lewisii variegatum (hP). Lilac-and-white; 2½ ft. 68490 10

LISIANTHUS Russellianus (gA) 68510 25

Very beautiful, gentian-like plant; large, deep purple flowers. A long time in bloom; 1½ ft. 68490 10

LOASA. Curious, prickly annuals with singular flowers and stinging foliage; do well in common soil. Pkt.

aurantiaca (lateritia) (hA). A twining climber with brilliant orange-red flowers; 6 ft. 68530 10

tricolor (hA). Orange, red and green; 2 ft. 68540 10

LOBELIA. The Erinus varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping. Pkt.

ERINUS VARIETIES (hA)

grandis. Blue; trailing; beautiful for baskets. 68570 5

speciosa, Crystal Palace. A favorite blue-flowered edging plant; 6 in. 68580 10

alba. White flowers. 68610 10

kermesina. Crimson. 68620 10

Lindleyana. Rose, white eye. 68630 10

Paxtoniana. Blue and white. 68640 10

Barnard's Perpetual. Deep blue, with white eye; very fine. 68650 10

Royal Purple. Deep blue, with a distinct white eye. 68660 10

erecta, Crystal Palace compacta. Dark blue; for bedding; 6 in. 68680 20

" Emperor William. Light blue; very fine. 68700 20
LOBELIA, continued

cr. ..._rae, Golden Queen. Dwarf; blue flowers; yellow leaves; very fine sort..................68710 25
" White Lady. Splendid large-flowered white..........................68720 10
Collections of Lobelia, including—
12 varieties ...........................................................................68740 60
6 varieties ................................................................................68750 35

PERENNIAL VARIETIES—
cardinalis (Cardinal Flower). Long spikes of richest cardinal-red; 2½ ft..........................68780  10
" (fulgens), Queen Victoria. Brilliant scarlet; dark leaves 2½ ft..........................68790 25
rmosa. Blue; flowers profusely in fall; 1½ ft..........................68810 10
LOPHOSPERMUM scandalous .....................................................68830 10
A splendid, tender annual climber, with trumpet-shaped dark rose flowers; 10 ft.
LOTUS. Pretty and interesting plants that succeed well with ordinary care; 2 ft. Pkt.
Jacobsen (A). Dark brown flowers; good for beds ........................................68860  10
peliohynchus (gp). Red; fine for hanging-baskets ........................................68870 15

LOVE-LIES-BLEEDING. See Amaranthus caudatus.

Double Blue ...........................................................................68890  5
Double White ...........................................................................68900  5
Miss Jekyll. Beautiful; double; cornflower-blue ........................................68910 10
Blue Spanish ...........................................................................68930  5
White Spanish ...........................................................................68940  5
Mixed Spanish ...........................................................................68950  5
Mixed, All Sorts ......................................................................68970  5

LUPINUS (LUPINE).

ANNUAL VARIETIES. These garden favorites are amongst the most beautiful of our hardy annuals; extremely varied in color, of the easiest culture, and bloom all summer. Splendid for beds, borders and backgrounds; 2 to 3 ft. Pkt.
Cruikshanki. Blue, white and yellow ........................................69000  5
Hartwegii. Blue........................................................................69010  5
" albus. White ............................................................................69020  5
" roseus. Rose ............................................................................69030  5
hirsutus. Blue; large flower ................................................................69050  5
" albus. White ............................................................................69060  5
" rubra. Red ................................................................................69070  5
hybridus roseus. Rose ................................................................69080 10
luteus, Romulus. Immense; yellow .........................................69090 10
mutabolis. White, yellow and violet; sweet-scented .........................69100  5
nanus. Dwarf; blue; fine for growing in front of tall sorts .................69110  5
Mixed Annual Varieties.oz. 25c. 69130  5

PERENNIAL VARIETIES. The hardy perennial varieties should have a generous place in every garden. The long spikes of pea-shaped flowers are strikingly handsome in the spring. Ornamental foliage and good habit; 3 to 5 ft. Pkt.
arboresus. Yellow Tree Lupine ..................................................69160 10
" albus (Snow Queen). Pure white; very fine ..................................69170 25
" polyphyllus. Blue ......................................................................69200  5
" albus. White ............................................................................69210  5

LUPINUS, continued

polyphyllus Moerheimii. Rose and white; rather dwarf habit; beautiful ................................69230  25
" roseus. Rose; magnificent ..........................................................69240  25
" Mixed ......................................................................................69260  5
tricolor elegans. Orange, rose and white ..........................................69280  5
Collection of Lupin us, including 12 best varieties ................................69300 45

LYCHNIS. Free-flowering, hardy perennials with brilliantly colored flowers; excellent for massing in beds and borders. Pkt.
chaledonica. Scarlet; 2 ft ................................................................69330  5
" alba. White ..............................................................................69340  5
fulgens. Brilliant scarlet; 1½ ft .....................................................69350 10
Haageana hybrida. Mixed. Fine colors; 1 ft .....................................69360 10

MADIA elegans. Handsome hardy annual; should have a shady position; long bloomer; yellow flowers; 2 ft.

MALLOW. See Hibiscus.
MALLOW. Very pretty, free-blooming hardy annuals with mallow-like flowers. Sow the seed early; good for beds and borders; 2 to 3 ft. Pkt.
grandiflora alba. White ..............................................................69440  5
" rosea. Rose ..............................................................................69450  5
" rubra. Red ................................................................................69460  5
" Mixed ......................................................................................69470  5

MALVA. Handsome garden plants that bloom continuously all summer and are very fine for cut-flowers. Pkt.
miniat a (A). Scarlet; carried on long, strong stems; 3 to 4 ft ................69490  5
moschata alba (Musk Mallow). (thp) ...........................................69500 10
" rosea (thp). Rose-flowered variety; fine .......................................69510 10

MANDEVILLEA suaveolens (gp) ....................................................69530 10
This fine greenhouse climber has deliciously sweet and beautiful, snowy white flowers; 10 ft.
MARIGOLD (TAGETES). These, like the Calendulas, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1 to 2 ft. All our own special strains, vastly different from the ordinary sorts commonly sold. Pkt.

AFRICAN VARIETIES—

Delight of the Garden. Dwarf; large-flowered; lemon-yellow; double; fine for edging large beds..................69560 10

Eldorado. Large, quilled, perfectly double; brilliant shades of yellow............... ½ oz. 20c., oz. 60c.....69570 5

Lemon Queen. Very rich lemon-yellow............69580 5

Orange. Rich........................................69590 5

Pride of the Garden. Extra-large, double flowers of richest yellow; dwarf and neat................................69600 10

Prince of Orange. Beautiful orange-color........................................69610 5

Mixed Double. ½ oz. 20c., oz. 50c. 69620 5

FRENCH VARIETIES—

Tall Dark Brown. Reddish brown; extremely floriferous........69640 5

Dwarf Striped. Flowers handsomely marked..............69650 10

" Dark Brown. Beautiful reddish brown................69660 10

" Legion of Honor (Little Brownie). Single; golden yellow, marked velvety red........69670 10

Tall Mixed, Double...........................................69680 5

Dwarf Mixed, Double...........................................69690 5

Collections of Marigolds, including—

12 vars. Double French..............................69710 45

6 vars. Double French..............................69720 25

6 vars. Double African.........................69730 30

See, also, Calendula.

MARTYNIA. Curious and handsome half-hardy annuals for the border, with bright flowers, borne in profusion, and followed by quaint pods which are used for pickling; ½ ft. Pkt.

craniolaria. White, spotted..........69760 5

formosa. Red-violet.......................69770 5

lutea. Yellow........................................69780 5

proboscidea. Reddish white........69790 5

MARVEL OF PERU. See Four o’Clock.

MATHIOLA bicornis................69820 10

Half-hardy annual; lilac flowers, open and fragrant at night, but closed during the day. Known as Night-scented Stock; 1 ft.

MATRICARIA. Free-flowering hardy annuals; with a profusion of dainty flowers, bloom all summer; good for bedding or pots; ½ ft. Pkt.

capensis fl. pl. (Feverfew). Small, double, white flowers; pretty and neat. 69830 5

eximia, Golden Ball. Golden yellow; fine for pots..................................69840 15

" fl. pl. Double; white..........................69850 5

††MAURANDYA. Rapid-growing, half-hardy perennial climbers that can be treated as annuals. Fine for garden or greenhouse; bloom all summer in hanging-baskets and vases or on trellises; to ft. Pkt.

antirrhiniflora. Purple........69870 10

Barclayana. Blue..................69880 10

" alba. White..........................69890 10

Emeryana rosea. Rose........69900 10

purpurea grandiflora. Purple........69910 10

Mixed..............................................69920 10

*MELIANTHUS major. (gP)........69950 10

An effective ornamental-foliaged plant with brownish flowers; can be bedded out in summer; a favorite in subtropical gardening; 5 ft. Pkt.

MELILOTUS coerulea........69970 5

Ornamental hardy annual like the lotus; sweet-scented, blue flowers; good for bees; 2 ft. Pkt.

‡‡MELOTHRIA scabra........69990 10

An interesting, half-hardy annual tropical vine with light blue flowers; to ft. Pkt.

cordifolium variegatum. Rose; cream foliage; very dwarf; a fine variety for carpet-bedding or for edging and for rockwork..........................70020 15
### MESEMBRYANTHEMUM, continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>crystallinum</em> (Ice Plant), White flowers; succulent leaves covered with sparkling ice-like globules</td>
<td>67040</td>
<td>5</td>
</tr>
<tr>
<td><em>tricolor</em> (Crimson, pink and white; fine in dry situations)</td>
<td>70030</td>
<td>5</td>
</tr>
<tr>
<td>&quot; album. White</td>
<td>70040</td>
<td>5</td>
</tr>
</tbody>
</table>

### MIGNONETTE (*Reseda odorata*).

Seed of this popular hardy annual can be sown at any time, and if successive sowings are made, its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks, till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants; 5 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Reseda odorata grandiflora</em> (Sweet Mignonette)</td>
<td>70060</td>
<td>5</td>
</tr>
<tr>
<td>Allen’s Defiance. Spikes of great length; very fragrant and fine for cutting; 1 1/2 ft.</td>
<td>70070</td>
<td>10</td>
</tr>
<tr>
<td>Crimson Giant (amelliorata). Red-flowered.</td>
<td>70080</td>
<td>5</td>
</tr>
<tr>
<td>Diamond. Pure white flowers; fine; very sweet-scented.</td>
<td>70090</td>
<td>10</td>
</tr>
<tr>
<td>Gabrielle. Large; red; 9 in.</td>
<td>70100</td>
<td>10</td>
</tr>
<tr>
<td>Giant Pyramidal. 1 1/2 ft.</td>
<td>70110</td>
<td>10</td>
</tr>
<tr>
<td>Golden Queen. Yellow.</td>
<td>70120</td>
<td>10</td>
</tr>
<tr>
<td>Goliath. Red; enormous spikes; striking; very sweet-scented.</td>
<td>70130</td>
<td>15</td>
</tr>
<tr>
<td>Machet, Dwarf. Deep red.</td>
<td>70140</td>
<td>10</td>
</tr>
<tr>
<td>&quot; Bismarck. Improved Machet. Large spikes of golden yellow flowers.</td>
<td>70150</td>
<td>10</td>
</tr>
<tr>
<td>&quot; Golden</td>
<td>70160</td>
<td>10</td>
</tr>
<tr>
<td>&quot; Ruby (Rubin). Very fine strain of the Machet, with coppery scarlet flowers.</td>
<td>70170</td>
<td>10</td>
</tr>
<tr>
<td>&quot; White Pearl. The best white variety.</td>
<td>70180</td>
<td>15</td>
</tr>
<tr>
<td>Miles’ Spiral. 1 ft.</td>
<td>70190</td>
<td>5</td>
</tr>
<tr>
<td>Paris Market (Crinum Queen). Crimson.</td>
<td>70200</td>
<td>10</td>
</tr>
<tr>
<td>Parsons’ White. White and buff; 9 in.</td>
<td>70210</td>
<td>5</td>
</tr>
<tr>
<td>Victoria. Compact; bright red; 6 in.</td>
<td>70220</td>
<td>5</td>
</tr>
<tr>
<td>Collection of Mignonette, including 12 varieties.</td>
<td>70250</td>
<td>50</td>
</tr>
</tbody>
</table>

### MIMUSOCA pudica (*Sensitive Plant*).

A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1 1/2 ft.

### MIMULUS (*Monkey Flower*).

Showy half-hardy perennials; do best in a moist situation in the garden; easily grown; 1 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>cardinalis</em> Scarlet</td>
<td>70300</td>
<td>10</td>
</tr>
<tr>
<td><em>cupreus</em>, Mixed</td>
<td>70310</td>
<td>10</td>
</tr>
<tr>
<td><em>moschatus</em> (Musk Plant). Yellow; fragrant foliage</td>
<td>70320</td>
<td>10</td>
</tr>
<tr>
<td>&quot; compactus. Yellow; dwarf..</td>
<td>70330</td>
<td>15</td>
</tr>
<tr>
<td><em>Roccii</em>. Golden yellow; dwarf..</td>
<td>70340</td>
<td>25</td>
</tr>
<tr>
<td><em>tigrinus</em>. Tigered and spotted varieties.</td>
<td>70350</td>
<td>10</td>
</tr>
<tr>
<td>&quot; grandiflorus (Queen’s Prize). Large-flowered variety of above.</td>
<td>70360</td>
<td>25</td>
</tr>
</tbody>
</table>

### MIRABILIS. See Four o’Clock.

### MOLUCELLA spinosa (*Shell-flower*).

A splendid hardy annual; rose-colored flowers and very fine foliage; 3 ft.

### MOMORDICA.

Handsome and ornamental, climbing, half-hardy annually with yellow flowers; fine for covering rockwork, trellises, etc.; 10 ft.

### Balsamina (*Balsam Apple*). Apple-shaped fruit; glossy green foliage. Often used for its medicinal qualities.

### CHARENTIA (*Balsam Pear*). Pear-shaped fruit; heavy green foliage.

### Elaterium (*Squirting Cucumber*). The oblong fruits eject their seed at the slightest touch.

### MONARDA didyma (*Oswego Tea*).

Very ornamental and Beautiful, hardy perennial, with bright scarlet flowers; 3 to 4 ft.

### MONK’S HOOD. See Aconitum.

### MONKEY FLOWER. See *Mimulus*.

### MOONFLOWER. See *Ipomoea mexicana*.

### MORNING-GLORY. See *Convolvulus* and *Ipomoea*.

### MOURNING BRIDE. See *Scabiosa*.

### MUSA ensete (*Abyssinian Banana*) (tP).

An elegant, ornamental-leaved plant for groups or singly in the summer garden; grows very fast in rich and moist soil; 10 ft.

### MUSK PLANT. See *Mimulus moschatus*.

### MYOSOTIS. See *Forget-me-not*.
NASTURTIUM

We do not sell less than one ounce of any one kind by weight

A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close. For the celebrated Lobb's Climbing Varieties, see next page.

DWARF or TOM THUMB (Tropaeolum nanum)
These have a neat, compact habit and attractive foliage; they bloom in two months from sowing, and most profusely the whole season; 1 ft.

Anna Groot. (Spencer.) Purple, scarlet flowers on long stems; dark foliage. $0.70 10
atrococcineum. Brilliant scarlet; fine. 70580 60 20 5
Aurora (Terra-cotta). Fine. 70590 60 20 5
Beauty. Yellow and scarlet. 70600 60 20 5
Bronze-color. Distinct. 70610 60 20 5
Chameleon. Mottled crimson, bronze and yellow; very fine. 70620 60 20 5
ceeruleo-roseum. Bluish rose. 70630 60 20 5
Crystal Palace Gem. Yellow and carmine. 70640 60 20 5
Empress of India. Deep crimson; fine dark foliage. 70650 60 20 5
Golden Cloth. Golden yellow leaves; scarlet flowers. 70660 60 20 5
Golden King. Golden yellow. 70670 60 20 5
King of Tom Thumbs. Scarlet; fine color. 70680 60 20 5
King Theodore. Black, velvety; darkest of all. 70690 60 20 5
Lady Bird. (Spencer.) Golden yellow, spotted red-brown; foliage light green. 70700 60 15 5
Miss Mina Groot. (Spencer.) Deep scarlet flowers; light green foliage; pretty. 70710 60 15 5
Prince Henry. Light yellow, marbled scarlet. 70720 60 20 5

DWARF or TOM THUMB, continued

Queen of Tom Thumbs, Chameleon. Variegated leaves, developing bright yellow, later on changing into different shades, producing a magnificent display of colors. 70730 $0.30 10
Golden Yellow. Variegated leaves. 70740 30 10
Orange-Scarlet. Variegated leaves. 70750 25 5
Mixed. Splendid range of colors of variegated-leaved sorts. 70760 25 5
Riemke Groot. (Spencer.) Odd, wavy dark green foliage; bright scarlet flowers. 70770 15 5
Ruby King. Ruby-red; large flowers; dark-leaved; fine and very profuse. 70780 20 5
Vesuvius. Salmon-rose; extra-large flowers in profusion; fine. 70790 20 5
White, or Pearl (Moonlight). 70800 20 5
Yellow. Very fine. 70810 20 5
Mixed, Golden Leaved Sorts. 70820 20 5
 " Spotted Varieties. Spotted, blotched and marbled sorts. 70830 20 5
 " All Sorts. 70840 30 15

Collections, including—
12 varieties Tom Thumb Nasturtium...70870 40
8 varieties Tom Thumb Nasturtium...70880 30

TALL or CLIMBING (Tropaeolum majus)

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot-plants for winter flowering, as screens, or as trailers for hanging-baskets and vases; 8 to 12 ft.

Oz. Pkt.
Chameleon. Various colors...70890 $0.10 5
Dark Crimson..........................70920 15 5
 " Golden-leaved.70930 15 5
Edward Otto. Brownish lilac...70940 15 5
Fashion. Light crimson-rose, veined old-rose..................70950 15 5
Golden-leaved Scarlet..................70960 15 5
hemisphaericum. Orange. 70970 15 5
Jupiter. Giant-flowered; beautiful golden yellow. 70980 15 5
King Theodore. Black. 70990 15 5
Moltke. Bluish rose. 71000 15 5
Pearl (Moonlight). Whitish..71010 15 5
Scarlet..........................71020 15 5
Schueerianum, Spotted...........71030 15 5
 " coccineum. Scarlet-striped. 71040 15 5
Schilling. Yellow, maroon-blotched. 71050 15 5
Schulzi. Darkest-leaved scarlet.71060 15 5

NASTURTIUM (Tropaeolum majus)
TALL or CLIMBING NASTURTIUM, continued
Sunlight (Dunnett’s Orange). Rich Oz. Pkt.
golden yellow; flowers nearly 3
inches across.......................71070 $0 15 $0 05
Vesuvius. Large flowers; salmon;
dark-leaved.71080 15 5
Yellow (luteum) 71090 15 5
Variegated-leaved, Mixed. Beautifully variegated foliage; distinct and
charming 71110 20 5
Fine Mixed. ½lb. 20c., ½lb. 35c., lb. 60c.71120 10 5
Collections, including—
12 varieties Tall or Climbing Na-
turtium.71130 40 8 varieties Tall or Climbing Na-
turtium. 71140 30
LOBB’S CLIMBING (Tropaeolum Lobbianum)
This class is remarkable for the intensely brilliant colors of
its flowers, which are a trifle smaller than those of other sorts
In moderately rich soil they climb high and bloom brilliantly
Average height, 6 ft.
Asa Gray. Yellowish white, handsome
flowers.71160 $0 15 $0 05
atropurpureum. Dark purple; dark-
leaved.71170 15 5
Chaixianum. Yellow, spotted red.
71180 15 5
71190 15 5
Crystal Palace. Scarlet; large flowers;
fine foliage.71200 15 5
Firefly. Dark orange-yellow; spotted
bright scarlet; dark-leaved.71210 15 5
fulgens (Brilliant). Bright scarlet;
dark-leaved.71220 15 5
Geant des Batailles. Sulphur and
red.71230 15 5
Golden Queen. Fine yellow; contrasts
effectively with foliage.71240 15 5
Ivy-leaved Scarlet. Dark leaves, like
ivy; deep scarlet flowers.71250 40 10
Ivy-leaved, Mixed. 71260 40 10

LOBB’S CLIMBING NASTURTIUM, continued
Lilliput, Baby Rose. White and Oz. Pkt.
soft pink. A splendid variety.71270 $0 35 $0 10
Lilliput, Snow Queen. Cream-
white, very delicate tint.71290 35 10
Lily Schmidt (Victoria). Scarlet....
71280 15 5
Lucifer. Dark scarlet; dark leaves.
71300 15 5
71310 15 5
Queen Wilhelmina. Queen of the
Lobb varieties. The foliage is
eyed and marbled white, setting
off the rich rosy scarlet flowers to
great advantage. One of the most
effective of the list.71320 25 5
Madame Gunther Hybrids. A
French strain noted for wide range
of colors. 71330 20 5
fimbriatum, Mixed. Fringed sorts,
mixed.71340 20 5
Finest Mixture. ½lb. 25c., ½lb. 40c., lb. 75c.71350 10 5
Collections, including—
12 varieties Tropaeolum Lobbianum.71380 45 6 varieties Tropaeolum Lobbianum.71390 30
NÆGELIA hybrid (tgP).............71440 25
Ornamental greenhouse plants; beautifully marked
foliage. Many varieties, mixed; 1 ft.
NEMESIA. Very pretty and neat-flowering hardy annuals
for edgings; attractive, bright-colored flowers; 1 ft. Pkt.
compacta alba. White; attractive,
fresh green foliage..............71460 10
“coerulea. Blue flowers borne in
the greatest profusion........71470 10
strumosa Suttonii grandiflora. Many
rich and rare colors; flowers large; foliage
beautiful.......................71480 25
NEMOPHILA. Very pretty, dwarf-growing, hardy annuals of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings rockeries or beds; moist soil and partial shade is favorable for them; 1 ft. Pkt.

atomaria. White and purple.................. 71500 5
crambesides. Pale blue...................... 71510 5
discoidalis. Black-brown, white-margined............. 71520 5
insignis. Sky-blue.......................... 71530 5
" alba. White.............................. 71540 5
" marginata. Blue, mottled white.................... 71550 5
maculata. Lilac-white, brown-spotted............. 71560 5
Mixed.................................... 71580 5
Collection, including 6 varieties Nemophila........ 71590 25

NERIUM Oleander (Oleander) (gS) .................. 71610 10
Ornamental evergreen shrub; red flowers; 10 ft.

NERTERA depressa (gP).......................... 71630 10
A charming creeping plant, bearing coral-red berries; fine for growing in pots or pans; needs plenty of water.

NICOTIANA. Species of Tobacco. Showy and free-blooming half-hardy annuals; great garden favorites; in flower all summer; tubular-shaped flowers; 3 ft. Pkt.

affinis. White; very fragrant.............. 71650 5
" hybrida. Beautiful shades, mixed............. 71660 10
colossea. Very ornamental; quick growth............. 71670 25
Sandera Hybrids. Many brilliant colors............. 71680 10
sylvestris. Large clusters of white flowers, sweet-scented; 4 ft............. 71690 10

NIEREMBERGIA. Pretty half-hardy perennials of slender growth that bloom freely the first year from seed; cup-shaped flowers. Fine for edging or hanging-baskets; 1 ft. Pkt.
gracilis. Lilac and white.................... 71710 10
frutescens. White, tinted with lilac.. 71720 10

NIGELLA. See Love-in-a-Mist.

NOLANA. When in flower these hardy annuals are very showy, and are fine for the garden border, of trailing habit; 1 ft. Pkt.

atriciplicifolia. Blue........................ 71750 5
grandiflora alba. White; large-flowered........... 71760 5
paradoxa violacea. Violet.................... 71770 5
Mixed.................................... 71780 5

NYCTERINA. Pretty half-hardy annuals, forming dwarf, compact plants; excellent for beds and borders; 9 in. pkt.
capensis. White; fragrant in evening.............. 71810 10
selaginoides. White, flushed lilac; graceful........... 71820 10

ŒNOTHERA. See Evening Primrose.

ORCHIDS, Mixed Varieties.................... 71850 25
Hardy perennial sorts for the open ground; 1 to 2 ft. Pkt.

OROBUS lathyroides.......................... 71870 10
This hardy perennial deserves a place in every garden; has elegant, blue, pea-shaped blossoms; 1½ ft.

OXALIS. Charming little hardy annuals, very desirable for garden borders and bedding; 6 in.
alba. White.................................. 71890 25
rosea. Pink.................................. 71900 25
Valdiviana (Veitchii). Yellow............... 71910 10

PAÈONIA. Amongst hardy perennial plants none are more prized than the Paeonies with their large and handsome blooms; 2 to 3 ft. Pkt.

officinalis. Red; single-flowered.............. 71960 5
chinensis. Mixed. Fine double varieties........... 71870 10
arborea (Tree Peony). Many varieties. 71980 10

PALAFOXIA Hookeriana.......................... 72000 10
PANSY (Viola tricolor; Heartsease)

Our strains have never been excelled

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding, the seed is sown from August to October, in a coldframe, or in rich, moist garden beds, from which the plants can be transferred to a coldframe, setting them 2 to 3 inches apart each way before severe winter weather begins. In spring, three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For winter bedding in a frame set the plants about twice as far apart, and thin out half of them in the spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather, remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often winter nicely and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for fall. If they come into bloom in the heat of the summer, the flowers may be small at first, but, as the weather becomes cooler, they will increase in size and beauty, and make a glorious show in the garden. Through summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings give the finest flowers in spring, and a bed of Pansies is one of the most beautiful sights a garden can show. The higher-priced sorts produce the largest flowers and the most brilliant colors. This should be borne in mind when ordering.

We do not sell less than ½ ounce of a kind by weight

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thorburn Superb.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Bugnot, Superb-Blotched.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Cassier, Finest Mixed.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Masterpiece.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Madame Perret.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Odier, Cassier and Bugnot, Mixed.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Non Plus Ultra.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Parisienne, Mixed.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Fine Large English.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Mixed.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Azure-Blue.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Black-Blue.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Black (Faust; King of the Blacks).</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Bronze.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Cardinal.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Coquette de Poissy.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Dark Purple.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Silver-edged.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Emperor William.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Fairy Queen.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Fawn-color (Prince Bismarck).</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Fire King.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Gold-margined.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Golden Queen.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Light Blue.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Lord Beaconsfield.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Meteor.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Odier, Five-blotched, Improved.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Orange.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
<tr>
<td>Peacock.</td>
<td>$0.25</td>
<td>$0.50</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

Our seeds are thoroughly screened and inspected. A mixture of any two varieties is sold as a single lot and charged at the price of the more expensive.
**PANSY, continued**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>President Carnot</td>
<td>Pure white petals, each with a deep blotch</td>
<td>45</td>
<td>$0.75</td>
</tr>
<tr>
<td>Rainbow, or Pheasant’s Eye (Quadricolor)</td>
<td>Very fine strain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Riding Hood</td>
<td>Brilliant shades of red</td>
<td>35</td>
<td>$2.25</td>
</tr>
<tr>
<td>Snow Queen (Candidissima)</td>
<td>Pure satiny white</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>Tiger</td>
<td>Curled, striped and mottled</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>White, with Black Center</td>
<td>Very showy</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>Yellow, with Black Center</td>
<td>Splendid</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>Tufted Pansies</td>
<td>A splendid strain; small, but very fragrant flowers</td>
<td>45</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

**TRIMARDEAU GIANT.** This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Adonis</td>
<td>Light blue; splendid</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“auriculeflora”</td>
<td>Beautiful shades</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“Azure-Blue” (Light Blue)</td>
<td>Pure color</td>
<td>50</td>
<td>$2.00</td>
</tr>
<tr>
<td>“Bridesmaid”</td>
<td>Most beautiful rosy white ground, with dark center blotches</td>
<td></td>
<td></td>
</tr>
<tr>
<td>“Fire King”</td>
<td>Very showy</td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“Hortensia, Red”</td>
<td>Splendid</td>
<td>60</td>
<td>$2.20</td>
</tr>
<tr>
<td>“Indigo-Blue”</td>
<td>Very rich color</td>
<td>75</td>
<td>$2.50</td>
</tr>
<tr>
<td>“Lord Beaconsfield”</td>
<td>Lavender and purple</td>
<td>75</td>
<td>$2.50</td>
</tr>
<tr>
<td>“Prince Henry”</td>
<td>Darkest blue; splendid</td>
<td>75</td>
<td>$2.50</td>
</tr>
<tr>
<td>“Ruby King”</td>
<td>Richest shades of red, scarlet, orange-scarlet and wine-red</td>
<td>60</td>
<td>$2.00</td>
</tr>
<tr>
<td>“Striped”</td>
<td></td>
<td>60</td>
<td>$2.00</td>
</tr>
<tr>
<td>“White”</td>
<td></td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“White, with Dark Eye”</td>
<td></td>
<td>60</td>
<td>$2.00</td>
</tr>
<tr>
<td>“Yellow, Dark center”</td>
<td></td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“Pure Yellow” (Golden Crest)</td>
<td></td>
<td>45</td>
<td>$1.50</td>
</tr>
<tr>
<td>“Mixed”</td>
<td></td>
<td>35</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

**Choice Collections of Giant Pansies, or Heartsease**

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 varieties</td>
<td>$7.260</td>
</tr>
<tr>
<td>18 varieties</td>
<td>$7.260</td>
</tr>
<tr>
<td>12 varieties</td>
<td>$7.260</td>
</tr>
</tbody>
</table>

**PARIS DAISY.** See Chrysanthemum frutescens.

**PASSIFLORA** (Passion Flower). Interesting and well-known family of climbers, bearing singular and very beautiful flowers; valuable both for conservatory, and garden in summer; 15 to 25 ft.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>cerulea (hhP)</td>
<td>Blue</td>
<td>10</td>
</tr>
<tr>
<td>edulis (hhP)</td>
<td>Blue and white</td>
<td>10</td>
</tr>
<tr>
<td>gracilis (hhA)</td>
<td>White; 10 ft.</td>
<td>10</td>
</tr>
<tr>
<td>incarnata (hhP)</td>
<td>Pink</td>
<td>10</td>
</tr>
</tbody>
</table>

**PEAS** (Sweet Peas). See page 69.


<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odier (Blotched), Superb Mixed</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

**PENTSTEMON.** Beautiful herbarious perennials; very hardy and free-flowering; fine for beds and borders or rock-gardens; excellent cut-flowers.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>antirrhinoides</td>
<td>Lemon-yellow; 1½ ft.</td>
<td>25</td>
</tr>
<tr>
<td>centranthifolius</td>
<td>Bright scarlet; 2 ft.</td>
<td>25</td>
</tr>
<tr>
<td>Cobæa</td>
<td>Large white flowers, shaded with purple; 1 ft.</td>
<td>10</td>
</tr>
<tr>
<td>digitalis</td>
<td>White; 1½ ft.</td>
<td>10</td>
</tr>
<tr>
<td>Hartwegii grandiflorus, Mixed</td>
<td>Large-flowered varieties; most brilliant colors;</td>
<td>10</td>
</tr>
<tr>
<td>Murrayanus grandiflorus</td>
<td>Scarlet shades; 3 ft.</td>
<td>10</td>
</tr>
<tr>
<td>Mixed Large-flowered Varieties</td>
<td>3 ft.</td>
<td>10</td>
</tr>
</tbody>
</table>

**PERILLA.** An ornamental-leaved, half-hardy annual; for ribbon-gardening and beds; resembles the coleus; 1½ to 2 ft.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>*nankensis</td>
<td>Dark bronzy purple foliage</td>
<td>5</td>
</tr>
<tr>
<td>laciniiatis</td>
<td>Foliage extra-dark purple; beautiful</td>
<td>5</td>
</tr>
</tbody>
</table>

**PETUNIA HYBRIDA** (hhA). Once fairly started Petunias grow almost as easily as weeds and furnish a glorious succession of bloom from early summer until frost. The large-flowered strains are very beautiful and of almost endless variety. Seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in hotbed, coldframe or in boxes of fine soil in the sunny windows of a warm room in April or May, and transplant about 1 foot apart in garden beds. Seed of the double variety has not so much vitality as that of single sorts and needs a little more care in watering to be sure of germination. We have no better plants than the Petunias, for beds and masses, borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of brilliant colors. The highest-priced sorts produce the finest and handsomest flowers, and those we offer are from the most carefully selected strains, sold at great expense. Apparently similar sorts offered at lower prices are not to be compared with those we offer. Average height, 1½ ft.

**SINGLE LARGE-FLOWERED.** These have flowers 4 or more inches across. Our strains are superb, and the collections offered contain only the finest varieties.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimson Giant</td>
<td>Great flowers of deep-</td>
<td>25</td>
</tr>
<tr>
<td>Purple King</td>
<td>Royal in color and size.</td>
<td>25</td>
</tr>
<tr>
<td>Rose</td>
<td>A charming shade</td>
<td>25</td>
</tr>
<tr>
<td>superbissima</td>
<td>Choice Mixed. Grand flowers of various colors with richly tigred throats; exceedingly free-flowering</td>
<td>50</td>
</tr>
<tr>
<td>Mixed</td>
<td>Large, yellow-throated varieties; they make a brilliant show in the garden</td>
<td>25</td>
</tr>
<tr>
<td>White</td>
<td>Clear paper-white flowers of unusual size</td>
<td>25</td>
</tr>
<tr>
<td>Superb Single Mixed</td>
<td>Offers a grand variety of colors</td>
<td>30</td>
</tr>
</tbody>
</table>
PETUNIA HYBRIDA, continued
FRINGED, LARGE-FLOWERING. These have
deeply cut and fringed margins.
Crimson. A very rich color........73390 25
Ruffled Giants. Extra-large flowers,
beautifully fringed, fluted and fringed.
73400 50
Thorburn's Century Prize. An unrivi-
valled strain of fringed, ruffled, giant-
flowered sorts in most beautiful colors.
Very valuable........................73410 50
Thorburn's Superb Giant. A strain of
surpassing beauty, with extremely
large, deep-throated flowers, some ex-
quisitely penciled and elegantly fringed
73420 50
White, "Snow Storm." Finest white.
73430 25
Perfection Mixed. Choicest fringed
sorts................................73440 25
DOUBLE LARGE-FLOWERING. Our seed will
produce flowers large, fragrant, elegantly formed and
beautiful either for house, garden or conservatory.
Only a small portion of the double strain bear double
flowers. The reason of this is the fact that the seed must
be selected from single flowers, the double ones not pro-
ducing seed. The single flowers must be pollinated with
pollen from the double ones. Cuttings may be made from
double-flowered plants and inserted in light, sandy
loam for rooting, thus increasing the percentage of
double-flowering plants.
Double Large-Flowering, Mixed. 73470 50
" Fringed Crimson. Gorgeous colors;
extra-large flowers.
73480 75
" Fringed Heliotrope. Mauve
and heliotrope colorings. 73490 75
" Fringed Lady of the Lake.
Exquisite flowers of finest size
and purest white........73500 75
" Fringed Perfection, Mixed.
Flowers large and much be-
ruffled..........................73510 75
SINGLE BEDDING VARIETIES. Smaller-flow-
ered sorts, found most valuable for beds and masses;
1 ft.
Countess of Ellesmere. Dark rose, with Pkt.
fine white throat........73540 10
Howard's Star. Rich crimson; distinct
white star in center; very showy. 73550 10
Rosy Morn. Bright rosy pink, with
white throat; very charming, compact,
and free-flowering; for bedding..73560 15
venosa. Variously colored, beautifully
veined...........................73570 10
White. Pure white; compact grower.
73580 10
Inimitable, Mixed. Striped and spotted.
73590 10
Mixed Single. Fine colors.
7/oz. 25c., oz. 85c. 73600 10
Collections of Petunias. These contain only
fine varieties, including........Pkt.
12 vars. Single Large-flowering .73620 $4 25
6 vars. Single Large-flowering .73630 75
6 vars. Double Fringed. 73640 80
12 vars. Double Large-flowering .73650 1 50
6 vars. Double Large-flowering. 73660 80
PHACELIA. Showy, hardy annuals of easy culture, doing
best in a sunny situation; bell-shaped flowers; excellent
for bees
campanularia. Rich deep blue; 9 in........Pkt.
73690 5
congesta. Light blue; 1 1/2 ft..........73700 5
Parryi. Dark violet-blue; 1 ft.........73710 5
tanacetifolia. Reddish violet, fine for bees;
2 ft................................73720 5
PHASEOLUS multiflorus Papilio (Butter-
fly Runner Bean)................73740 10
This pretty, half-hardy annual climber is a variety
of the well-known Scarlet Runner Bean. Flowers rose
and white; pods edible; 10 ft.
PHLOX DRUMMONDII (FLAME FLOWER).
The hardy annual Phloxes are dazzling in effect, par-
ticularly so when sown in masses or ribbon beds of con-
trasting colors. Few flowers are so easy to grow from
seed, so pretty and compact in habit, so quick to bloom,
or give such a brilliant display of color for so little cost
and care. There are few desirable colors beyond their
range, and if given good soil and plenty of water, they
furnish a long supply of delicate flowers. For pot cul-
ture, as trailers, and as an undergrowth for tall, bare-
stemmed plants, they are also valuable. The first sow-
ings should be made as soon as the frost is out of the
ground in spring; later ones in May, either where the
plants are to bloom, or in a seed-bed, as the Phlox
transplanted readily. In transplanting set the taller
kinds about a foot apart; if planted too thickly, they
suffer from mildew. Cutting away the flowers and seed-
pods makes the plants more bushy and compact, and
lengthens their blooming time. Average height, 1 ft.
GRANDIFLORA. This section has beautiful, round-
petaled flowers, larger in the older sorts; showy
and constant, blooming in the greatest profusion from
early summer to frost. Our strain is far superior to that
ordinarily sold.
Pkt.
ala. Pure white flowers borne in pro-
fusion all summer........73770 10
" oculata. White with violet eye....73780 10
atropurpurea. Dark purple.73790 10
Chamois-Rose. A soft shade. 73800 10
coccinea. Large; brilliant scarlet, very
free-flowering................73810 10
Crimson. Bright color........73820 10
Isabelina. Yellow........73830 10
kermesina splendens. Vivid crimson;
extra-large flowers........73840 10
rosea. Rose..................73850 10
stellata splendens. Star-like; crimson.
73860 10
Mixed. Splendid large-flowering sorts...
3/oz. 25c., oz. 75c. 73870 5
PHLOX DRUMMONDI, continued

SMALL-FLOWEDED VARIETIES— Pkt.
    Heynholdi. Scarlet; fine for pots. 73890 15
    hortensiaflora, Mixed. Semi-dwarf; very floriferous. 73900 10
    Radwitzii. Rose, spotted white. 73910 10
    Graf Gero, Mixed. Fine for pots. 73920 15

DWARF VARIETIES. Plants of this charming section grow only to 6 to 8 inches high, and form dense masses of bloom all summer. They are especially useful for beds, edgings, pots, etc. Pkt.
    Chamois-Rose. Very fine. 73950 15
    Fireball. Flame-red; fine for pots and for edging. 73960 15
    Snowball. Pure white; fine for pots. 73980 15
    Surprise. Brilliant vermilion, with white star center; for edging. 73990 15
    grandiflora nana compacta (Cecily Phlox). Mixed. 74010 10
    nana compacta hortensiaflora, Mixed. 74020 15

Fancy Mixed.................................................. 74030 10

STAR PHLOX—
cuspida (Star of Quedlinburg). Star-shaped; many colors. 74040 10
    Collection of Phlox Drummondii, including 12 varieties. 74070 60

PERENNIAL PHLOX. These hardy sorts make bushes about 3 feet high and bear large heads of finely colored flowers. Pkt.
c. decussata, Mixed. 74090 10
    Large-flowered Hybrids, Mixed. 74110 15

PHORMIUM tenax (New Zealand Flax)...... Pkt. 74140 5
    Ornamental, half-hardy perennial, with long, sword-shaped leaves and orange flowers; adapted to conservatory or lawn decoration; 6 ft. Pkt.

PHYGELIUS capensis.......................... 74160 25
    A showy greenhouse perennial with brilliant scarlet flowers; related to the pentstemon but distinct in general effect; 3 to 4 ft.

PHYLLIS Francheti (Chinese Lantern Pkt. Plant). 74180 10
    A splendid hardy perennial, very ornamental; has large orange fruits which, dried, are beautiful in winter bouquets; 2 ft.

PHYSOSTEGIA grandiflora virginica alba Pkt. (Obedient Plant).................... 74200 25
    A valuable summer-flowering, hardy perennial border plant; delicate white flowers on long stems; good for cutting; 3 ft.

PICOTEE (Picotee Pink). These beautiful greenhouse varieties have richly colored edged flowers and are finely perfumed; very attractive; 1% ft. Pkt.
    White Ground. Colored edges. 74230 50
    Yellow Ground. Very desirable. 74240 50
    Extra Fine, Mixed. Show varieties. 74250 50

PINKS (DIANTHUS). In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. If especially large, brilliant flowers are desired a bed of well-mixed turfy loam, leaf-mold and well-decayed manure should be prepared for them. Average height, 1 ft.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy.

    Double White China Pink.................. 74280 5
        Mixed China Pink. All best colors; % oz. 25c., oz. 75c. 74290 5
        Very Dwarf, Mixed (Narcisse). 74300 10

HEDDEWIGII (Japan Pinks). Unusually large and brilliant; often oddiy edged, striped and ringed.
        Crimson Belle. Flowers large and handsome; dark red; on long, stiff stems. 74330 10
        Eastern Queen. Rose-colored flowers, 2 to 4 in. across; finely striped and stained. 74340 10
CATALOGUE OF HIGH-CLASS SEEDS 105

PINKS, HEDDEWIGH, continued

Single, Queen of Holland. Splendid; white...74350 10
Single, Mixed......3/4 oz. 25c., oz. 75 cts. 5
Single, Mixed, Giant-flowered...74370 10
Single, Mixed, nobilis (Royal Pink). Large, frilled and fringed flowers of a glowing blood-red, shading to carmine and pink and even white; vigorous and tall-growing; abundant, continuous bloomer; fine flower for cutting...74380 15
Double, Mixed. A splendid assortment. 3/4 oz. 40c., oz. $1. 74385 10

Double diadematus fl. pl. (Diadem Pink). Double; magnificent in color and variety...74390 10
  " Fireball. Brilliant scarlet; very compact and floriferous; fine for massing...74400 10
  " Mourning Pink. Very large, double flowers of blackish crimson, fringed white; very effective, and a handsome cut-flower...74410 10
laciniatus, mirabilis, Single, Mixed. quite distinct, narrow foliage; on long stems; fine for cutting...74430 10
  " Oriental Beauty. Petals wide, crinkled, richly marked with pink, white, etc...74440 10
  " punctatus. Dark-shaded Princess Pink. Quite peculiar colors, such as purplish violet, blood-red, dark salmon, etc...74450 15
  " Salmon Queen. Beautiful rosy salmon; handsome single flowers...74460 10
  " Snowball. Large; double; white...74470 10
  " Snowflake. Pure white; fine; single...74480 10
  " Single, Mixed. Fringed flowers of all colors...74500 10
  " Double, Mixed...3/4 oz. 50c...74510 10

IMPERIALIS, Fl. Pl. (Double Imperial Pink). Robust, bushy grower, with large, double flowers. Pkt. 74360
Double, Mixed...74530 10
  " Dark Red. A deep, rich color...74550 10
  " Dwarf White. Great snowy flowers; grows 9 inches high...74570 15


PINKS, continued

PLUMARIUS (Sweet May Pinks). These are fine, fragrant, hardy perennials of the old-time gardens, still reckoned among the most beautiful for massing and cutting. Pkt. 74460 5

Pheasant's Eye. Pretty fringed flowers. 74620 50
scoticus (Double Scotch Pink). A series of exquisite colors; ours is the finest strain. 74630 15
semperflorens (Perpetual Pink). Double, semi-double and single; of various colors...74630 15
Single Pinks, Mixed. 3/4 oz. 20c., oz. 60c...74650 10
Double Dwarf, Mixed. Extra fine...74670 10
  " and Semi-Double Grass Pinks. Pretty flowers of delicate colors...74680 15
  " Mixed. Extra fine...74690 15
Hybrid Dianthus. A cross between Sweet William and China Pink. Very hardy; beautifully colored and marked; very fragrant...74710 10

Collections of Pinks, including—12 varieties Fine China. 74730 50
8 varieties Fine China. 74740 40
6 varieties Fine China. 74750 30

PITTOSPORUM undulatum. Handsome greenhouse shrub, with glossy foliage and pretty, fragrant white flowers; 3 ft. 74780 10

PLATYCodon (Large Chinese Bellflower). Handsome hardy perennials that do best in light, dry situations; bushy growth; bear large, bell-shaped flowers in great profusion. Pkt. grandiflorum. Deep blue; 2 ft...74800 10
  " album. White; 2 ft...74810 10
Mariesii. Dark blue; dwarf, compact habit; 1 ft...74820 10
See also Campanula.

PLATYSYSTEMON californicus (Cream Cup). 74840 10
A pretty hardy annual from California; forming a dense tuft, studded thickly in summer with sulphur yellow blossoms; 1 ft.
PODOLEPIS. Curious and pretty half-hardy annuals, admirably adapted to positions that are fully exposed to the sun. Pkt.

chrysantha. Golden yellow; dwarf; 1 ft. .... 74860 5

affinis. Yellow; 1½ ft.................. 74870 5

gracilis. Red and white; very free-flowering; 3 ft............. 74880 5

POLEMONIUM. See Jacob's Ladder.

| POLYANTHUS (Primula elatior). Fine spring-blooming and free-flowering, hardy perennials; alike suitable to pot or garden culture; 9 inches. | Pkt. |
| Mixed ........................................ 74900 10 |
| Large-flowered, Finest Mixed. Fine collection ....................... 74910 25 |
| Gold-laced. Very attractive and showy ................................... 74920 25 |

POPPY (PAPAVER). Before tulips are fairly gone, our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.

PERENNIAL VARIETIES. Tall, large-flowered and showy; average height, 2 to 4 ft. Pkt.

bracteatum. Glowing scarlet; on long stems; 3 ft.................. 74950 5

orientale. Enormous flowers of deep, flashing scarlet, with black spots in center; entirely hardy anywhere; fine for cutting; 3 ft .......... 74960 10

" Brilliant. Vivid scarlet; beautiful .................. 74970 10

" carnea. Flesh-color; splendid .................. 74980 15

" Mauve. Very delicate shade. .................. 74990 15

" Mixed Hybrids. Finest shades .................. 75010 10

POPPY, PERENNIAL VARIETIES, continued Pkt

nudicaule (Iceland Poppy). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 ft. .... 75030 10

" aurantiacum coccineum. Orange-red. All of this class have crimped petals and peculiar grace .... 75040 10

" album. Pure white .... 75050 10

" Mixed .................. 75060 10

ANNUAL VARIETIES. This section includes fine double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 ft. Pkt.

Thorburn Giant White. White flowers of grand form and size, with silky petals; 3 to 4 ft.............. 75090 5

Danebrog. Large; single; scarlet with white cross at base of petals .... 75100 5

English Scarlet Field Poppy. oz. 25c...... 75110 5

Flag of Truce. Pure white; large and showy flowers .............. 75120 5

Maid of the Mist. Pure white, single; very large; deeply fringed; 3 to 4 ft...... 75130 5

Mephisto. Beautifully fringed; varies from red and black to rose and white.... 75140 5

Miss Sherwood. Large; single; satiny white, with upper half of petals chamois-rose ................. 75150 5

Shirley, Best Mixed. Indescribably bright, dainty and gauzy; a favorite for cutting. (See p. 107.) oz. 25c...... 75160 5

" Santa Rosa Hybrids. Beautifully crimped petals; shades of blue, lavender, salmon, etc. 75170 10

[Images of Oriental Poppy and Iceland Poppy]
POPPY, ANNUAL VARIETIES. continued

Pkt.
glaucum (Tulip Poppy). Striking, tulip-shaped flowers of intensely brilliant scarlet; dwarf.......... 75180 10
lavigatum. Scarlet, with white marks at petal bases; very showy.......... 75190 5
pavonium (Peacock Poppy). Intense scarlet, with broad bands of purplish black.......... 75200 10
Double, American Flag. White, bordered with scarlet, and exceedingly brilliant flowers... 75220 5

" Cardinal. The immense scarlet flowers last unusually well.... 75230 5
" Cardinal, Mixed........ 75240 5
" Carnation-flowered Hybrid, White Swan. Pure white.......... 75250 5

" Carnation-flowered, Mixed. Very double, fringed.......... oz. 25c. 75260 5
" Mikado. Large, white flowers, attractively fringed with rose.... 75270 5
" Peony-flowered, Dwarf, Fireball. Deep scarlet; very large-flowering.......... 75280 5
" Peony-flowered, Snowball. Pure white; very large-flowering.......... 75290 5

" Peony-flowered, Dwarf, Mixed Hybrids. Hybrids of compact growth; splendid......... 75300 5
" Peony-flowered, Mixed. Large, handsome flowers of many colors.......... 75310 5
" Ranunculus-flowered, Mixed. Flowers small, finely formed, double........ oz. 25c. 75320 5
" Scarlet.......... 75325 5
" White.......... 75330 5

" Mixed, All Sorts. oz. 25c. 75340 5

Collections of Poppies, including—
12 vars. Double Carnation-flowered.......... 75360 40
12 vars. Double Peony-flowered.75370 40
6 vars. Double Peony-flowered.75380 25
6 vars. Ranunculus-flowered.75390 25

PORTULACAE. continued

DOUBLE VARIETIES. The flowers are so full and perfect as to resemble tiny roses. Toward the close of the season they will increase in size and beauty. As the full-double flowers do not produce seed, it must be saved from the semi-double flowers growing with the full-doubles. The product of that seed will produce many single flowers. As these bloom earlier, they can be pulled out like weeds. When the full-doubles appear cuttings can be made from them and the bed extended indefinitely with only full-double flowers. Our strains must not be confused with the ordinary cheap seed usually sold.

Pkt.
Double Bright Red........ 75510 20
" Golden, Red-striped........ 75520 20
" Rose........ 75530 20
" Rose-striped........ 75540 20
" Salmon........ 75550 20
" Scarlet........ 75560 20
" Sulphur-Yellow........ 75570 20
" White........ 75580 20
" Yellow........ 75590 20

Mixed. Grown from cuttings; a splendid assortment of colors........ 75600 20

Collections of Portulacas, including—
8 varieties Single........ 75620 35
6 varieties Double........ 75630 60

POTENTILLA. Handsome and brilliant in flower are these desirable hardy perennials. Foliage ornamental; bloom all summer; of the easiest cultivation; 2 ft. Pkt.

atrosanguinea. Dark red; especially fine for bedding........ 75680 10
Mixed. Brilliant colors........ 75690 10

PRIMULA

CHINENSIS (Chinese Primrose)(gP). Primulas, or Chinese Primroses, stand in the first rank among greenhouse plants, and are free for winter and spring blooming. They are free-flowering and are especially valuable for cut-flowers and for house and window culture. A cool place suits them best. Sow the seed in light soil, but for final potting a richer soil is necessary, and it should consist of two parts of loam to one each of well-decayed manure and leaf-mold. The plants must be well ventilated, well watered and slightly shaded. Average height, 9 in. Pkt.

fimbriata alba. White; fringed........ 75720 25
" alba magnifica. Pure white; fringed; extra choice... 75730 35
" Bright Rose. Dainty fringed flowers........ 75740 25

SHIRLEY Poppies (see page 106)
PRIMULA CHINENSIS, continued

firbriata cocinea. Bright red; fringed. 75850 50

terulca. Blue; fringed. 75760 25

kermesina splendens. Crim- 75770 25

rubra. Red; gracefully fringed 75780 25

Extra-fine Mixed. Fringed. 75790 25

filicifolia. All these are fringed and have fern-

alba. White. 75810 50

rubra. Red. 75820 50

Mixed. 75830 50

globosa. Fringed; globe-

rubra. Red. 75840 25

alba. White. 75850 25

Mixed. 75860 25

plena. Beautifully fringed, 75870 50

table, Mixed. Star Primulas. Very

Collections of Primula, including

12 vars. Chinese Fringed. 75940 1 50
8 vars. Chinese Fringed. 75950 1 50
6 vars. Chinese Fringed. 75960 75
6 vars. Chinese Fringed, Dble. 75970 1 25

OBCONICA (gP). For open border, also do

in the house window-garden. Continuous and

for several months. New plants. 75980 1 50

grandiflora alba. White. 76000 25

carminea. Carmine. 76010 25

tosea. Rose. 76020 25

hybrida, Mixed. 76030 50

fimbrista alba. White. Fringed. 76040 50

fimbrista rosea. Rose. Fringed. 76050 50

fimbrista, Mixed. Fringed. 76060 25

gigantea kermesina. Car-
mine-red. 76080 25

gigantea, Crimson. 76090 50

gigantea, Red. 76100 50

PRIMULA OBONICA, continued

grandiflora gigantea, Rose. 76110 50

gigantea, Mixed. Giant-

Forbesii (Baby Primrose) (gP). Rosy lilac, 76120 50

Kewensis (gP). Large, bright yellow flowers; 76130 25

malacoides (gP). Dainty soft lilac-pink; 76140 30

HARDY VARIETIES. The hardy Primroses are

amongst the most prized of our spring-blooming plants. A 76150 50

Pkt.
cashmeriana (hP). Rosy lilac; early-

cortusoides (hP). Rose-pink; handsome 76190 10

japonica (Japanese Primrose) (hP). Purple; 76200 25

lilac-pink; Beautifully 76210 10

verticillata (hP). Golden yellow; pyrami-

dal habit. 76220 25

crystalina (hP). Bright 76230 25

crystalina (hP). Bright 76240 25

crystalina (hP). Bright 76250 25

See, also, Auricula, Cowslip and Polyanthus.

PRIMROSE (Evening Primrose). The Evening Primrose; blooms all summer very freely; the bright, poppy-like flowers open early every evening and last well into the next day; of the easiest culture in sunny situations.

Pkt.

Enothera acaulis alba (hA). Silvery 76290 10

bistorta Veitchiana (hA). Dwarf; yellow; 76300 5

Drummondii (hA). Light 76310 10

Lamarckiana (hB). Large 76320 10

rosea (mexicana) (hA). Bright rose; 6 in. 76330 10

tetrapeta (hA). White. 6 in. 76340 5

Mixed Annual Varieties... 76370 5

PUERARIA Thunbergiana. See Kudzu Vine.

PYRETHRUM. Showy, hardy perennials growing about 2 feet in height, with most brilliant and lasting flowers. The dwarf "Golden Feather" is the well-known variety used for carpet-beding, edgings and borders. Pkt.

atrosanguineum. Red and dark red 76390 50

roseum hybridum, Single, Mixed. 76400 10

hybridum, Double, Mixed. 76410 25

hybridum, Double and Semi-
double, Mixed. 76420 10

hybridum grandiflorum, Single, Mixed. Fine for cutting... 76430 25

parthenifolium aureum (Golden 76460 5

aureum selenoides. Bright yellow leaves; very 76470 10

aureum. Gold Gem. Fine golden foliage; dou-

ble-flowering... 76480 10

Tehichatchewii. White and yellow; for 76490 10
REHMANNIA angulata. .......... 76530 Pkt. 25
Splendid, half-hardy, herbaceous perennial, with beautiful, large, purplish flowers; similar to those of Incarvillea Delavayi. For pot-culture or outdoors in sheltered situations; 3 ft.

*RHEUM* (Ornamental Rhubarb). Ornamental, hardy perennial, foliage plain, valuable alike for planting as single specimens or in groups; 3 to 5 ft. Pkt.

Collinianum. Enormous leaves; fine. 76550 5

palmatum tanguicum. Brilliant red leaves; deeply cut. 76560 5

RHODANTHE. Beautiful, delicate-looking "Everlasting" flowers, much prized for winter bouquets. These half-hardy annuals are also valuable garden plants. Glau-<s>...</s>ous gray foliage; 1½ ft. Pkt.

maculata. Rose with dark center. 76570 10

" alba. Pure white. 76580 10

Mixed. 76590 10

Manglesii. Rose; very fine. 76600 10

RHODOCHITON volubilis. 76620 25
An elegant greenhouse climber, with abundant purplish rose flowers; 10 ft. Pkt.

RHODODENDRON arboreum hybridum. 76640 25
The well-known hardy evergreen shrub. Mixed varieties; 10 ft.

RICINUS (CASTOR-OIL PLANT). Picturesque and large, R. Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves; a dwarf plants in a large bed show a glorious mound of glistening colors and may be admired from a distance; planted thick it soon forms a hand-some screen or hedge; the lower-growing dark-leaved sorts are beautiful for dotting here and there among canna, scarlet pimpernells, etc. Tall varieties grow from 8 to 10 ft. high, with leaves similar to those cross and beautifully lobed. Half-hardy annuals. Pkt.

africanus. Bright colors; 8 ft. 76670 5

bomboviensis arboreus. Green foliage; 1½ ft. 76680 5

Cambodgensis. Glistening dark maroon; stems black; 5 ft. 76690 5

Gibsoni. Dark red; 5 ft. 76700 5

hybridus Panormitanus. Cross between Cambodgensis and zanzibariensis. Huge, dark brown leaves, blue-powdered stems; upright habit. 76710 10

macrocarpus. Deep purple; 5 ft. 76720 5

macrophylus. Dark purple; 6 ft. 76730 5

philippinensis. Immense leaves; 6 ft. 76740 5

purpureus. Purple. 76750 5

sanguineus. Red stems and seeds; 6 ft. 76760 5

zanzibariensis. Enormous leaves. 76770 5

" Finest Mixed. 8 to 10 ft. 0z. 15c. 76780 5

Collections of Ricinus, including—
12 vars. choiceest sorts. 76810 45
6 vars. choiceest sorts. 76820 25

RIVINA humilis. 76850 10
An easily grown greenhouse plant, with ornamental scarlet berries; 2 ft. Pkt.

ROCKET (Sweet Rocket; Hesperis). Spring-flowering, hardy herbaceous perennial; fragrant; easily grown in light soil; transplant frequently; very free-blooming. Pkt.

matronalis. Purple; 3 ft. 76890 5

2¼ oz. 20c. 76890 5

" alba. White; fine cut-flower; 3 ft. 76890 5

" nana candidissima. Pure white; very compact; early-flowering; 1 ft. 76900 10

ROMNEYA Coulteri (California Tree or Matilija Poppy). 76930 25
This beautiful, half-hardy perennial Poppy should have a sheltered position in the garden. Fine, fragrant, white flowers; 4 ft.

ROSE polyantha nana multiflora (hp). Pkt. 76960 10
Dwarf, compact bushes covered with small, single and double blossoms in various colors. These Roses flower the first season from seed; 2 ft.

ROSE CAMPION. See Agrostemma coronaria.

ROSE OF HEAVEN. See Agrostemma Calthra.

ROSE OF SHARON. See Hibiscus syriacus.

RUDBECKIA (Coneflower). Attractive and compact-growing plants, most suitable for beds and borders or clumps amongst shrubs; showy, large, yellow flowers with dark central cones; easily grown. Pkt.

amplexicaulis (hA). Pure golden yellow; 2 ½ ft. 76990 5
bicolor superba (hA). Golden yellow; long stems; 2 ft. 77010 5
fulgida variabilis (hp). Various yellow shades; 2½ ft. 77020 10

Neumannii (hp). Vivid orange-yellow; 3 ft. 77030 10

*RUMEX hymenosepalus. 77060 15
An ornamental half-hardy perennial from California, with long, gray-green leaves, also known as meadow grass; the leaf-stalks are used the same as rhubarb. Of economic value as well, as its roots produce tannin; easily grown, requiring a large soil, and a sunny position. A useful ornamental for the greenhouse. Pkt.

SAINTPAULIA ionantha (The Usambara Violet). 77090 25
A lovely greenhouse perennial, violet-like in appearance; large, deep blue flowers; 6 in.

SALPIGLOSSIS (PAINTED TONGUE). These anemones have beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost; 2 ft. Pkt.

azurc. Blue. 77130 10

grandiflora violacea aureo-venosa. Lilac, veined golden yellow; fine large flowers. 77140 10

" Extra Choice, Mixed. A fine assortment of colors. 77160 10

" superbissima, Yellow. 77170 15

" superbissima, Chamois. 77180 15

" superbissima, Light Blue. 77190 15

RUDBECKIA AMPLEXICAULIS
SALPIGLOSSIS, continued

grandiflora superbiussima, Brown and Gold
superbiussima (Emperor), Mixed. Finest strain of very large flowers.
Tall Mixed. 1/2 oz. 35c.
Dwarf Mixed. 1/2 oz. 35c.
Collections of Salpiglossis, including—
8 varieties Tall, Large-flowered
6 varieties Large-flowered Superbiussima.
8 varieties Dwarf.

SALVIA (FLOWERING SAGE). The Salvia splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. For pot culture, for cutting and for borders, etc., it is very valuable. In this climate, sow seed in window-boxes or frames in March or April, and set the plants outdoors the latter part of May; or sow outdoors not before June 1, and protect from heavy rains and strong winds. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals.

argentea (hP). Silvery leaved; flowers white; blooms in spring; 3 ft.
azarine (hP). Sky-blue; blooms in late summer; fine; 2 to 3 ft.
farinacea (hA). Light blue flowers in great abundance; good for cutting; forms a neat bush; 3 ft.
patens. A handsome tender perennial, with erect spikes of rich blue flowers in summer; 2 ft.
Romeriana (hA). Crimson-flowered; very dwarf and of neat habit.

SPLENDENS (Scarlet Sage) (hP). These are the well-known bedders, single plants of which carry many long, flaming flower-spikes open at one time, keeping up the display until frost.

grandiflora, Scarlet. A rich-flowered bedder; long spikes; 3 ft.
Ball of Fire. Very dwarf and compact, ball-shaped variety, especially suitable for pot culture. The plants are about 2 feet high to the top of the flower-spikes and about the same in diameter. Color dull red; large spikes, similar to No. 77410.

SALVIA, continued

Before. Our well-known compact Salvia—the freest blooming of all, seemingly on fire all the time, with dense, flaming scarlet spikes; 2½ ft.
Early Dwarf Zurich. Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant borne well above its handsome foliage. Color brilliant scarlet; splendid bedding variety; earliest of all.
Lord Fauntleroy. Only 18 inches high; very compact, with the brilliant scarlet flower-spikes standing clear above the foliage. Fine for bedding in masses or for borders around beds of taller plants; also fine for pots. Very early-flowering.

Scarlet Dragon. A superb bedding plant for summer and autumn; flowers are nearly twice the size of the old Scarlet Sage; when full-grown the plants form bushes about 3 feet in height, and the same in diameter, and have a mass of bloom. The brilliant scarlet effect is gorgeous.

Silver spot. Rich green leaves elegantly spotted with yellow. The intense, bright scarlet flowers are large and lavishly borne; neat and compact; 2½ ft.

SANTOLINA. Valuable for its distinct foliage and is used for large specimens in shrubbery or as a carpet-bedding plant.

Chamecyparis (Lavender Cotton) (hP). Attractive, silvery gray foliage and yellow flowers; 1½ to 2 ft.
Maritima (hP). Silvery white leaves and yellow flowers; fine for edgings; dwarf; 1 ft.

SANTVITALA procumbens fl. pi. Beautifull, dwarf-growing annual for beds or borders; bright yellow, double flowers; blooms all summer; 6 in.

SAPONARIA. Pretty, dwarf bedding plants, especially adapted for edgings and borders; long and profuse bloomers; 1 ft.

calalaca (hA). Red. 
" alba (hA). White.
" Scarlet Queen (hA). Very brilliant.
" ocymoides (hP). Rose-colored flowers; trailing; blooms early; fine for rockwork;
" Scaibiosa (MOURNING BRIDE; SCABIOUS, etc.). Well-established garden favorites. They grow about 2 feet high, and flower through the summer until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders. Sow seed outdoors in spring when danger from frost is past.

scaicasa (Blue Bonnet) (hP). Lilac; very valuable for cutting.

HARDY ANNUALS—
candidissima fl. pl. (Snowball). Double; white.
minor aurea fl. pl. Double; golden yellow.
Tall Black-Purple. " Flesh-Color.
" Scarlet.
SCABIOSA, Hardy Annuals, continued Pkt. atropurpurea maxim. Very double, mixed.. 77650 15
Mixed Tall. Large flowers of bright colors 77660 5
Mixed Dwarf. 77670 5
Collections of Scabiosa, including—
to vars. Dwarf Double .. 77680 45
5 vars. Dwarf Double 77690 25
8 vars. Tall, Large-flowered 77700 35
6 vars. Tall, Large-flowered 77710 25

SCHIZANTHUS. Very beautiful and showy annuals, fine for beds and borders in the summer garden; grown in pots in early spring in the greenhouse they become elegant foliage plants, with masses of flowers; 1½ to 2 ft. Grahamii. Light red.... 77740 5
papilionaceus. Purple, yellow and crimson........ 77750 5
pinnatus. Blue, floriferous.................. 77760 5
retusus. Red, splendid........... 77770 5
" albus. White, in the yellow, very fine........ 77780 5
" trimaculatus alb. Blotched, white and golden yellow; large flower........ 77790 25
Wisetonensis. Light shades; long and profuse blooming; fine pot-plant........ 77810 25
" Excelsior. Much larger-flow- ered than above; only beautiful showy light colors in finest assortment, all dark shades eliminated. Makes a splendid pot-plant and is fine for the summer garden. 77820 30
Mixed.... 77840 5
Collection of Schizanthus, including 6 varieties.. 77850 30

SCHIZOPETALUM Walkeri. 77880 10
A splendid hardy annual, with white, very fragrant, fringed flowers. Sow where intended to bloom; does not bear transplanting; 9 in.

SEDUM (Stonecrop). Showy and useful little plants for carpet-bedding, edgings, rockwork, stone walls, etc. Will do well in any soil and dry situations. Pkt. acre (Golden Moss) (1P). Green foliage; yellow flowers; good for covering graves; 4 in............ 77900 10
ceruleum (1A). Blue; 4 in........ 77910 10
Maximowiczii (1P). Yellow flowers; erect growth; 1 ft........ 77920 10
Mixed (1P). Many species; 9 in........ 77930 5

SENECIO. See Jacobaea.
SENSITIVE PLANT. See Mimosa pudica.

SILENE (Catchfly). Bright-colored and free-flowering hardy annuals, suitable for rockwork or garden beds and borders, blooming all summer; succeed freely in any light, loamy soil; 1 ft. Pkt. Armeria. Red........ 77960 5
alba. White........ 77970 5
SILENE, continued Pkt.
pendula. Red..... 77980 5
" Double Rose..... 77990 5
ruberrima. Carmine..... 78000 5
" Bonettii. Dark purple; dark stems........ 78010 5
" Mixed..... 78020 5
orientalis (1P). Dark rose; branching habit; sweet-scented; 2 to 3 ft. 78030 5
SMILAX (Myrsiphyllum asparagoidei). 78050 10
A well-known greenhouse climber, with small, dark green foliage; of great value in floral work; 5 ft.

SNAPDRAGON (ANTIRRHINUM). The Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower profusely through summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL VARIETIES— Pkt.
album. White........ 78080 5
atrococcineum. Dark scarlet..... 78090 5
Delicate Rose..... 78100 10
Delicate Rose with White Throat. Very dainty and effective...... 78110 5
Fairy Queen (Firefly). Orange, white throat........ 78120 5
Iuteum. Yellow....... 78130 5
Roméo. Violet-rose, with pale lip. 78140 5
picturatum, Mixed. Blotched........ 78150 5
Mixed........ 78160 5
TALL, LARGE-FLOWERING VARIETIES
Blood-Red. Fine color........ 78170 10
Delilah. White and carmine..... 78180 10
Firefly. Scarlet and white..... 78190 10
Galathee. Crimson and white..... 78200 10
Queen Victoria. Pure white..... 78210 10
Sceptre. Odd and pretty........ 78220 10
White. Beautiful for cutting..... 78230 10
Yellow. A pure, soft color......... 78240 10
Large-flowered, Mixed. Fine........ 78250

Double White........ 78280 25
SNAPDRAGON, continued

**SEMI-DWARF VARIETIES.** Plants of this section make excellent bedding, as they bloom extra profusely and are only about 15 inches high.

| Pkt. | Black Prince. Nearly black | 78310 | 10 |
| Pkt. | BONFIRE. Lovely orange-pink | 78320 | 15 |
| Pkt. | COTTAGE MAID. Pale coral-pink, white throat. | 78330 | 15 |
| Pkt. | Crimson King. Bright crimson, a deeper color than Scarlet King | 78340 | 15 |
| Pkt. | grandiflora, Golden Queen. Yellow... | 78350 | 10 |
| Pkt. | Queen of the North. Pure white; small-leaved | 78360 | 10 |
| Pkt. | Rose Dore. Pretty, self-colored salmon-rose | 78370 | 25 |
| Pkt. | Scarlet King. Brilliant scarlet; tall spikes of flowers | 78380 | 15 |
| Pkt. | picturatum, Mixed. Blotched varieties. | 78390 | 10 |
| Pkt. | Fine Semi-dwarf Mixed | 78400 | 10 |
| Pkt. | Tom Thumb, Finest Mixed. Very dwarf strain; 6 in. | 78410 | 10 |
| Pkt. | Collections of Snapdragon, including | 78420 | 45 |
| Pkt. | 6 vars. Finest Tall | 78430 | 25 |

**SOLANUM** (gP). The Solanums are very ornamental fruit-bearing plants, and thrive best in light, rich soil. Fine for winter decoration in the house or conservatory. If used in summer garden give very warm situation; 1 to 3 ft.

| Pkt. | capsicastrum (Jerusalem Cherry). Scarlet, globular berries; fine for pots; 1 to 1 1/2 ft. | 78480 | 10 |
| Pkt. | giganteum. Small, round red berries; large, handsome variety | 78490 | 10 |
| Pkt. | Hendersoni. Orange-scarlet berries of olive-form; fine | 78495 | 10 |
| Pkt. | robustum. Orange-colored fruit like small cherries; very ornamental | 78500 | 10 |
| Pkt. | Seaforthianum. Beautiful climber; egg-shaped, yellowish red fruit; 8 ft. | 78510 | 10 |
| Pkt. | Warneckewiczii. Pale yellow fruit; smooth and shining; handsome sort | 78520 | 10 |
| Pkt. | Collection of Solanum, including 6 varieties | 78540 | 30 |

**SPHENOGYNE speciosa.** 78560 10
Elegant hardy annual, with showy yellow flowers; 1 ft.

**SPIRÆA (Astilbe) Davidii.** 78580 25
Beautiful hardy perennial, with tufted leaves and rose-colored flower-spires; very easily raised from seed; flowers in eighteen months; 6 ft.

**STACHYS lanata (Lamb's Ears).** 78600 5
Ornamental hardy perennial, with silvery white, woolly leaves; used for edgings and borders; easily grown; 14 ft.

**STATICE** (Sea Lavender). Pretty plants for the summer garden in beds or borders; good for rockwork also; much valued when dried as "Everlastings" for winter decoration; 1 to 2 ft.

| Pkt. | Bonduelli (hA). Golden yellow... | 78620 | 5 |
| Pkt. | sinuata (hA). Blue; very fine... | 78640 | 5 |
| Pkt. | candissim (hA). White; fine for edging... | 78650 | 5 |
| Pkt. | Suworowii (hA). Spikes of bright rose flowers; free bloomer; very handsome | 78660 | 5 |
| Pkt. | incana hybrida nana (hP). Dwarf; mixed colors... | 78670 | 5 |
| Pkt. | Perennial Sorts, Mixed (hP). Very choice | 78680 | 5 |

**STENACTIS speciosa.** 78700 10
Very showy, hardy perennial, bearing purplish lilac, aster-like flowers with conspicuous orange centers; fine for cutting; 2 ft.

**STEPHANOPHYLUM longifolium** (gP). 78720 25
A pretty, free-flowering greenhouse plant, growing readily in any light and rich soil; flowers scarlet; 2 ft.

**STEVIA serrata** (gP). 78740 10
Greenhouse perennial; bears very elegant sprays of tiny white, fragrant flowers which are splendid for cutting; 2 ft.

**STOCKS** (MATTHIOLO). Stocks have good habit, fine leaves, beautiful and fragrant flowers, a long season of bloom and adaptability to many conditions of culture. They are unsurpassed for bedding, edging, pot culture and for cutting. For fine early flowers, sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hothoth. In May, transfer to garden beds of deep, rich soil, setting the plants a foot apart. Transplanting several times in the early stages of growth tends to make them more dwarf and compact. For later flowers, sowings may be made in the open ground in April. If plants that begin to bloom late are carefully put off in fall, they will flower finely all winter in a house that is tolerably cool and moist. Average height, 1 to 1 1/2 feet.

**GERMAN TEN WEEKS.** Half-hardy annuals. Our seeds are pot-planted from the finest double sorts.

**LARGE-FLOWERING DWARF PYRAMIDAL, Earliest of All.** For greenhouses in pots or for the open ground. Very large flowers. Pkt.

| Pkt. | Delicate Light Rose | 78770 | 25 |
| Pkt. | Porcelain-Blue. Striking color | 78800 | 25 |
| Pkt. | Ruby. Fiery red; splendid color | 78900 | 25 |
| Pkt. | Salmon. Soft, delicate shade | 78950 | 25 |
| Pkt. | Snowflake. Pure white | 78810 | 25 |
| Pkt. | Finest Mixture | 78840 | 25 |

**DWARF LARGE-FLOWERING,** Long, splendid spikes; large, double flowers. Pkt.

<p>| Pkt. | Bright Red | 78870 | 10 |
| Pkt. | Blood-Red. Very rich | 78880 | 10 |
| Pkt. | Carmine | 78890 | 10 |
| Pkt. | Crimson | 78900 | 10 |
| Pkt. | Dark Blue. Beautiful | 78910 | 10 |
| Pkt. | Lavender | 78920 | 10 |
| Pkt. | Light Blue. Exquisite | 78930 | 10 |
| Pkt. | Rose. Very dainty, light color | 78940 | 10 |
| Pkt. | Snow-White | 78950 | 10 |
| Pkt. | Violet | 78960 | 10 |
| Pkt. | Mixed | 78980 | 10 |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STOCKS, continued</strong></td>
<td></td>
</tr>
<tr>
<td>Dresden Perpetual, or Branching.</td>
<td></td>
</tr>
<tr>
<td>&quot;Cut-and-Come-Again&quot; (&quot;Princess Alice&quot;), White. Profuse and perpetual-blooming; double, white flowers, fine for cutting.</td>
<td>79000 25</td>
</tr>
<tr>
<td>&quot;Empress Augusta Victoria.&quot; Delicate silvery lilac flowers in magnificent trusses; of true pyramidal growth; height 24 in.</td>
<td>79010 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79020 25</td>
</tr>
<tr>
<td><strong>GIANT PERFECTION, Large-flowered,</strong></td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td>79040 25</td>
</tr>
<tr>
<td>Pure White</td>
<td>79050 25</td>
</tr>
<tr>
<td><strong>GOOD MIXED STOCKS</strong></td>
<td>79070 5</td>
</tr>
<tr>
<td><strong>WALLFLOWER-LEAVED.</strong> The popular cut-flower variety; dark glossy leaves.</td>
<td></td>
</tr>
<tr>
<td>Crimson</td>
<td>79100 25</td>
</tr>
<tr>
<td>White</td>
<td>79110 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79120 25</td>
</tr>
<tr>
<td><strong>DWARF GERMAN BOUQUET, Mixed</strong></td>
<td>79150 25</td>
</tr>
</tbody>
</table>

**AUTUMNAL and LATE-FLOWERING SORTS.** From seed sown in spring and summer, these half-hardy biennials begin to bloom in fall, flowering all winter and late into spring if transferred to cool, airy quarters indoors. Usually the plants are wintered over in a frame. Nos. 79470 to 79670. If started in frames or boxes in early spring, will make a brilliant show in late summer and autumn.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERMEDIATE (AUTUMNAL)</strong></td>
<td></td>
</tr>
<tr>
<td>Crimson</td>
<td>79180 25</td>
</tr>
<tr>
<td>White</td>
<td>79190 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79210 25</td>
</tr>
<tr>
<td><strong>EMPEROR, LARGE-FLOWERING.</strong> Sow in spring for autumn and winter flowers; sow in midsummer for spring blooming.</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>79230 25</td>
</tr>
<tr>
<td>Crimson</td>
<td>79240 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79260 25</td>
</tr>
<tr>
<td><strong>WINTER, LARGE-FLOWERING.</strong></td>
<td></td>
</tr>
<tr>
<td>Crimson</td>
<td>79270 25</td>
</tr>
<tr>
<td>&quot;Empress Elizabeth.&quot; Carmine.</td>
<td>79275 25</td>
</tr>
<tr>
<td>&quot;White&quot;</td>
<td>79280 25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STOCKS, AUTUMNAL, continued</strong></td>
<td></td>
</tr>
<tr>
<td>Winter, Dwarf Bouquet.</td>
<td></td>
</tr>
<tr>
<td>Crimson</td>
<td>79290 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79300 25</td>
</tr>
<tr>
<td>Winter &quot;Nice&quot; Varieties, large-flowering—</td>
<td></td>
</tr>
<tr>
<td>Abundance. Carmin-e-rose; profuse.</td>
<td>79310 25</td>
</tr>
<tr>
<td>Beauty of Nice. Flesh-color; extra-large flowers</td>
<td>79320 25</td>
</tr>
<tr>
<td>Monte Carlo. Pure yellow.</td>
<td>79330 25</td>
</tr>
<tr>
<td>Pure White</td>
<td>79340 25</td>
</tr>
<tr>
<td>Queen Alexandra. Rosy lilac.</td>
<td>79350 25</td>
</tr>
<tr>
<td>Mixed</td>
<td>79370 25</td>
</tr>
</tbody>
</table>

**Choice Collections of Stocks.** Containing only the finest varieties.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>German Ten Weeks</strong></td>
<td></td>
</tr>
<tr>
<td>24 vars. Large flowering.</td>
<td>79400 50</td>
</tr>
<tr>
<td>18 vars. Large-flowering.</td>
<td>79410 75</td>
</tr>
<tr>
<td>12 vars. Large-flowering.</td>
<td>79420 50</td>
</tr>
<tr>
<td>6 vars. Large-flowering.</td>
<td>79430 30</td>
</tr>
<tr>
<td>12 vars. Pyramidal, large-flowering.</td>
<td>79440 65</td>
</tr>
<tr>
<td>6 vars. Pyramidal, &quot;&quot;</td>
<td>79450 40</td>
</tr>
<tr>
<td>12 vars. Emperor, &quot;&quot;</td>
<td>79460 100</td>
</tr>
<tr>
<td>6 vars. Emperor, &quot;&quot;</td>
<td>79470 60</td>
</tr>
<tr>
<td>12 vars. Dwarf German Bouquet.</td>
<td>79480 60</td>
</tr>
<tr>
<td>6 vars. Dwarf German Bouquet.</td>
<td>79490 35</td>
</tr>
<tr>
<td>6 vars. Dwarf Victoria Bouquet.</td>
<td>79500 30</td>
</tr>
<tr>
<td>12 vars. Giant Perfection.</td>
<td>79510 65</td>
</tr>
<tr>
<td>6 vars. Giant Perfection.</td>
<td>79520 40</td>
</tr>
<tr>
<td>6 vars. Wallflower-leaved.</td>
<td>79530 35</td>
</tr>
</tbody>
</table>

**STOKESIA (Cornflower Aster).** This popular hardy perennial bears, all summer, large, attractive flowers resembling semi-double Asters; fine for cut-flowers; 2 ft.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyanea. Lavender-blue;</td>
<td></td>
</tr>
<tr>
<td>handsome</td>
<td>79610 10</td>
</tr>
<tr>
<td>Cyanea alba. Pure white</td>
<td>79620 10</td>
</tr>
<tr>
<td>Cyanea Mixed</td>
<td>79630 10</td>
</tr>
</tbody>
</table>
STONECROP. See Sedum.

STREPTOCARPUS (Cape Primrose) Veitch’s Hybrids (gP)……………...79640 50
Very ornamental, profuse-blooming greenhouse plants, with clusters of Achimenes-like flowers in rich and brilliant colors; 1 ft.

SUMMER CYPRESS. See Kochia trichophylla.

SUNFLOWER (Helianthus). Very stately and decorative hardy annuals, with great masses of yellow flowers. Among shrubbery, and for backgrounds and screens, nothing could be finer. Their long stems and wonderful lasting qualities make them valuable as cut-flowers. They are said to be good for absorbing the miasmata of low grounds. Plant the seed in the open garden in spring, and thin the plants to stand 3 to 4 feet apart.

**argyrophyllus** (Texas Silver Queen). Has handsome silvery foliage and a profusion of small, elegant, single flowers; 4 ft. 79670 5

**cucumerifolius**. Of pyramidal growth; small, bright orange, single flowers; 3 ft. 79680 5

**Diadem.** Light citron-yellow with black center; large-flowered.….79690 10

**Stella.** Handsome; large-flowered; primrose-yellow.…..79700 10

**Orion.** A very handsome variety; petals twisted like those of the best cactus dahlias; long, stiff stems; excellent for cutting.….79710 10

**hybridus fl. pl.** A splendid mixture of double and semi-double sorts.79720 10

**Single Fine Mixed.**….

$\frac{1}{4}$ oz. 25c., oz. 75c. 79730 10

Double California. Dark yellow; 5 ft. 79740 5

Dam. Beautiful, dahlia-like flowers, 3 inches across 79750 5

SUNFLOWER, continued

**Double, Dwarf Variegated-leaved.** Foliage spotted with yellow; flowers bright yellow.……..79760 5

“Globe-flowered. Ball-shaped; blooms late; 3 ft.….79770 5

“Green-centered. Odd and attractive; 3 ft.….79780 5

Henry Wilde. Tall, small-flowered, graceful; single.….79790 5

macrophylus giganticus. Huge leaves and yellow flowers; 5 ft. 79800 5

Primrose-colored. Graceful flowers of a lovely color; beautiful for cutting; 5 ft. 79810 5

Single Russian. Giant-flowered, yellow; 5 to 8 ft.…….lb. 25c., oz. 5c. 79820 5

SWAINSONIA (gP). Valuable greenhouse plants of easiest culture; do best in sandy, peaty soil; continuously in bloom; sweet-pea-like flowers in sprays; 2 ft. 79830 5

alba grandiflora. White.….79840 25

Ferrandii Carinea. Carmine. 79870 50

Mixed Species….79880 10

SWEETPEAS (Lathyrus odoratus). See page 69.

SWEET SULTAN. See Centaurea moschata.

SWEET WILLIAM (Dianthus barbatus). The sweetest, most splendid, old-fashioned, hardy biennial, producing large heads of beautifully colored, sweet-scented flowers in abundance; easily grown, flowering the second year from seed; 1½ ft. 79890 5

Single Auricula-flowered oculatus marginatus (Hunt’s Perfection). Various shades, with white eye and white bordered……….79920 5

“Crimson. 79930 5

“Pink Beauty (roseus). Rosy chamois. 79940 15

“Scarlet Beauty. Brilliant scarlet; very fine. 79950 15

“White. 79960 5

“Mixed. 79970 5

Double Auricula-flowered oculatus marginatus. Handsome flowers in large clusters. 79980 10

“Crimson. 79990 10

“White. 80000 10

“Mixed. 80010 10

Collection of 6 varieties. 80030 25

†TACSONIA manicata (Scarlet Passion Vine) (hhP). 80060 25
A magnificent perennial climber, producing an abundance of large scarlet blossoms. Start the seed in pots, transplant; 25 feet.

See, also, Passiflora.

TAGETES (hA). Pretty, dwarf-growing, single-flowering Marigolds; fine for beds and especially so for edgings. 80070 5

lucida. Yellow; fragrant; good for cutting; 1 ft. 80090 10

signata pumila. Bright golden yellow; bushy habit; fine for edgings; 8 in. 80100 10

See, also, Marigolds.

TASSEL FLOWER. See Cacalia.

TECOMA Smithii (gP). 80130 25
Splendid greenhouse shrub; winter blossoming; fine for pots; large heads of innumerable flowers, lemon with orange; 6 ft. 80140 5

†THUNBERGIA alata, Mixed. 80160 25
A very pretty, rapid-growing, tender perennial climber that is usually grown as an annual. Favored for window-boxes, vases, hanging-baskets, trellises, etc.; 6 ft. 80170 5

TOAD FLAX. See Linaria.
TORENIUM. Beautiful tender annuals that, started early in the spring, in heat, will bloom continuously all summer until frost; fine for edges, window boxes, and borders for town gardens.

"alba," "White Wings." Pure white with yellow throat.

Baillonii. Golden yellow, deep red throat.

†TRACHELIUM coruleum (hhP), .80240
An attractive late-flowering perennial suited to culture as an annual; pale blue flowers; good in garden or greenhouse; 1 ft. Pkt.

TRACHYMENE corulea (Didiscus), .80260
An erect-growing, half-hardy annual; clear blue flowers; continuously in bloom. Very distinct in beds or borders; 1½ ft. Pkt.

†TRICHOSANTHES cucumerina (Snake Gourd, or Serpent Cucumber), .80280
A rapid-growing, climbing, half-hardy annual, with slender fruit, often 3 feet long, turning carmine when ripe; to 10 ft. Pkt.
See also, Cucumis and Gourds.

TRIFOLIUM suaveolens (hA), .80300
An ornamental trailing creeper with purple flowers; very sweet-scented; makes pretty beds.

TRITOMA (Red-Hot-Poker Plant). This splendid half-hardy perennial is also well known as Torch Lily; has gorgeous spikes of bloom; easily grown; should be planted in the ground in the fall. Pkt.

MacOwanii. Bright orange-red; dwarf habit; 1 to 1½ ft. .80320

Uvaria grandiflora. Fiery orange flower-spikes, large and showy; 3 to 4 ft. .80330

Mixed New Hybrids. Strikingly hand-some; 2 to 5 ft. .80340

TROLLIUS Mixed Hybrids (Globe Flower). .80360
Desirable hardy perennial with large, buttercup-like blossoms; free-flowering through the entire summer; do well in any soil. Flowers vary from pale yellow to deep gold, bordering on vermilion; 1½ to 2 ft. Pkt.

TROP/EOLUM. See Nasturtium.

TROP/EOLUM canariense. See Canary-Bird Flower.

†TROP/EOLUM (gP). Showy climbing vines; bright-colored flowers; fine for culture in pots; 10 ft.

pentaphyllum. Greenish red flowers; fine.

tricolor grandiflorum. Orange and brown.

†TUNICA saxifraga (hhP), .80410
A desirable perennial for edgings and rockwork; rosy white flowers; blooms during summer and fall; 8 in.

†TYDE/EA hybrid grandiflora (gP), .80430
Well-known and very popular greenhouse plants allied to Gesneria and Achimenes. Hybrids from a choice collection; 1 to 2 ft.

†VALERIANA (Valerian). Very handsome hardy perennials that have been too much neglected; bloom all summer. Fine for borders, wild gardens and rockwork; of easiest culture; 2 ft. Pkt.

alba. White.
rubra. Red.

VENIDIUM calendulaeum, .80500
A graceful, single-flowered, half-hardy annual; covered for several months with black-eyed golden blossoms, resembling those of the pot marigold. Fine for cutting; good in pots as well as garden; 2 ft. Pkt.

VENUS LOOKING-GLASS (Specularia). A pretty little hardy annual, blooming profusely in spring and summer, and desirable for edging flower-beds and borders; of easy culture; 9 in. Pkt.

Blue.
Double Blue. Gives about 50 per cent of double flowers.
White.
Mixed.
grandiflora, Mixed. Large-flowered.

VENUS' NAVELWORT (Cynoglossum latifolium). .80590
An elegant hardy annual for beds or edgings; of easiest culture; glaucous green leaves and white flowers; blooms all summer; 10 in. Pkt.

VERBASCUM pannosum, .80610
A stately and decorative hardy perennial, with large, white, woolly leaves and sulphur-yellow flowers; fine for backgrounds; 4 to 5 ft.

VERBENA (hA). In rich soil, single plants of this pretty annual creeper will carpet a space 3 to 4 feet in diameter. For beds, borders, mounds, window-boxes, etc., it is particularly fine, and is frequently used as an undergrowth to tall plants like lilies. Plants raised from seed are cheaper, more vigorous and produce more flowers than those grown from cuttings. For early spring bloom, sow under glass in February, for later flowers, sow in March or April. Soak the seed a few hours in tepid water and sow in boxes filled with light, rich soil; cover one-fourth of an inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other boxes. Use a liberal amount of manure in the beds, and set out 10 to 15 inches apart each way in May and in a sunny situation. The plants bloom from early summer until frost.

hybrida auriculiformis. Brilliantly colored flowers of fine size, each with a large, white eye.

"Black-Blue, White Eye.
"candidissima. Large trusses of purest white flowers.
"corulea. Bright blue in various shades.
"Defance. Intensely brilliant scarlet; fine for bedding.
"italica striata. Brightly striped.
"Scarlet. Different shades.
"Yellow. Primrose-color.
"Mixed.
"Finest Mixed. Extra choice.
"Mammoth, Rose Queen. Brilliant rose-colored flowers, 1 to 1½ inches across; when well grown, produced in magnificent large umbels.

VERBENA HYBRIDA
VERBENA, continued

hybrida Mammoth, Mixed. Plants and flowers are unusually large; extremely floriferous, and borne in large heads; not light sensitive. &... 80760 10

" Improved Mammoth, Mixed Auricula-flowered. Best of all. &... 80770 25

Collection, including 6 varieties Verbena hybrida &... 80780 50

compacta erecta, Mixed. Finest collection &... 80790 10

erinoides. Small, violet; heavy bloomer; pretty &... 80810 10

" alba. Dazzling white; large; profuse bloomer; excellent &... 80820 10

venosa. Blue; fine for groups and for edgings &... 80830 10

citriodora (Lemon-scented Verbena). An attractive greenhouse shrub, grown for the delightful citrus scent of its light green leaves &... 80840 10

VERONICA (Speedwell), Mixed Perennial Species &... 80890 10

Splendid hardy border plants of the easiest culture; bear bright-colored flowers all summer; 1 to 2 ft. Pkt.

duced Gerardii &... 80910 10

A pretty hardy annual climber with pea-shaped violet flowers; of the easiest culture; 4 ft. &...

инка (Madagascar Periwinkle) (1 ft). Handsome, bushy bedding plants, that flower luxuriantly and most profusely all summer from seed sown in February or March in heat; fine for pot culture in windows or greenhouse; 1 to 1 1/2 ft. Pkt.

rosea. Red &... 80940 10

" alba. White with rose center; dainty flowers &... 80950 10

" alba pura. Pure white; excellent for bedding; a brilliant contrast with the dark green; shining foliage &... 80960 10

" Mixed &... 80970 10

VIOLET, Sweet-scented (Viola odorata) (hH). Much prized for spring blooming. All the varieties have great beauty, are very fragrant and quite hardy; 6 in. Violet seed takes a long time to germinate. Pkt.

Blue &... 81000 10

The Czar. Very large; dark blue &... 81010 10

White &... 81020 10

 Violata cornuta (Tufted Pansies) (hH). Splendid free-blooming plants for partially shaded situations; with a little winter protection will be permanent for years; bloom continually all the season except frost; 6 in. Pkt.

cornuta, Purple Queen &... 81040 10

" Mauve Queen &... 81050 10

" White Perfection &... 81060 10

pedunculata (California Yellow Violet) &... 81070 25

VIRGINIAN STOCK (Malcolmia maritima). Early and very free-flowering, dwarf, hardy annuals of easy culture; bright blossoms; most erect for edgings or beds; 1 ft. Pkt.

Crimson King. Very fine &... 81100 5

Red &... 81110 5

White &... 81120 5

Mixed &... 81130 5

VISCARIA. Abundant blooming hardy annuals, flowering all summer until frost; very effective for massing in beds and borders; easily grown; 1 ft. Pkt.

elegans picta. Rose and scarlet &... 81150 5

oculata. Rose with dark eye &... 81160 5

" alba. White &... 81170 5

" candida. Pure white; fine &... 81180 10

" coerulea. Sky-blue, dark center &... 81190 5

" Mixed. Bright colors &... 81200 5

WALLFLOWER (Cheiranthus Cheiri). Well-known half-hardy perennials of delicious fragrance, bearing in spring and early summer long spikes of bright flowers. Start the seed early in the season in heat, protect by coldframes during the following winter and plant out for bedding in spring. Fine also for blooming in greenhouse; 2 ft.

SINGLE-FLOWERING VARIETIES. Pkt.

Eastern Queen. Very distinct shade, bright chamois changing to salmon-red &... 81240 10

Feltham Early. Large; brown-red flowers &... 81250 10

Golden King. Very large, golden yellow flower &... 81260 10

Rose Queen. A lovely terra-cotta-pink &... 81270 10

Ruby Gem. Very rich ruby-color &... 81280 10

White Dame. Large, creamy white flowers of dwarf, compact habit &... 81290 10

Fine Mixed. Very showy mixture &... 81320 5

ANNUAL, Mixed. This annual or extra-early flowering strain, if started early in heat, will bloom the same season; 1 to 1 1/2 ft.

DOUBLE-FLOWERING VARIETIES. Pkt.

Double Tall Branching, Mixed. 2 ft. &... 81370 25

Double Dwarf Branching, Mixed. 1 ft. &... 81390 25

Collections of Wallflowers, including—12 varieties Double-flowering German &... 81410 1 00

8 varieties Double-flowering German &... 81430 80

6 varieties Double-flowering German &... 81450 65

WAX GOURD. See Benincasa hispida.

WHITLAVIA. Easily grown hardy annuals of compact habit; excellent for beds or borders; bear bright-colored flowers all the season pretty, bell-shaped flowers; 1 ft. Pkt.

gloxinioides. White and blue &... 81480 10

grandiflora. Blue &... 81490 5

" alba. White &... 81500 5

*WIGANDIA (hH). Imposing decorative plants with very large and beautifully veined leaves; prized for subtropical gardening and groups on lawns. Start the seeds very early in the season in heat to produce good plants for summer beds; 6 ft.

caracassana. Grand foliage &... 81530 10

Vigieri. Very large-leaved &... 81540 10

XERANTHEMUM. This well-known hardy annual is one of the oldest and prettiest of the "Everlasting" flowers; will bloom for an extremely long period and form for years. Fine for beds and borders; in bloom all the season until frost; 1 1/2 to 2 ft. Pkt.

Double Purple &... 81570 5

" Rose &... 81580 10

" White &... 81590 5

" Mixed &... 81600 10

Collection, including 6 varieties of Xeranthemums &... 81620 25

YUCCA filamentosa (Adam's Needle). &... 81650 10

Interesting for the open greenhouse or rock garden. Plants, when both foliage and bloom are considered; elegant spikes of creamy white, fragrant flowers; broad, sword-like leaves; 3 to 6 ft.

ZINNIA (YOUTH AND OLD AGE). Few flowers are so easily grown from seed, or bloom so abundantly and continuously, as this hardy annual. Sow the seed in the open ground early in spring; transplant to permanent beds in July until the first hard frost. Zinnias are incomparably bright; the plants grow a foot or more in height and are covered with large, double flowers. Fine for beds and borders; in fact, in any location.

TALL MAMMOTH-FLOWERING DOUBLE. A distinct and splendid class of this ever-popular flower, producing extra-large, double blooms; 2 1/2 ft. Pkt.

Crimson &... 81660 10

Flesh-color &... 81670 15

*WIGANDIA. Fine flowered, double. Flowers are produced in great quantities. See page 81480.
### ZINNIA, TALL MAMMOTH DOUBLE, continued

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>100 seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur-Yellow</td>
<td>81700</td>
<td>15</td>
</tr>
<tr>
<td>Violet</td>
<td>81710</td>
<td>15</td>
</tr>
<tr>
<td>White</td>
<td>81720</td>
<td>15</td>
</tr>
<tr>
<td>Mixed</td>
<td>81730</td>
<td>15</td>
</tr>
</tbody>
</table>

**TALL DOUBLE.** For borders and groups; 2 ft.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carmine</td>
<td>81760</td>
</tr>
<tr>
<td>Crimson</td>
<td>81770</td>
</tr>
<tr>
<td>Flesh-color</td>
<td>81780</td>
</tr>
<tr>
<td>Lilac</td>
<td>81790</td>
</tr>
<tr>
<td>Purple</td>
<td>81800</td>
</tr>
<tr>
<td>Rose</td>
<td>81810</td>
</tr>
<tr>
<td>Scarlet</td>
<td>81820</td>
</tr>
<tr>
<td>Striped</td>
<td>81830</td>
</tr>
<tr>
<td>White</td>
<td>81840</td>
</tr>
<tr>
<td>Yellow, Sulphur 'Golden'</td>
<td>81850</td>
</tr>
<tr>
<td>'Extra Selected'</td>
<td>81910</td>
</tr>
</tbody>
</table>

**DWARF DOUBLE.** More compact and of neater habit than the tall varieties; 15 in.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright Scarlet</td>
<td>81940</td>
</tr>
<tr>
<td>Crimson</td>
<td>81950</td>
</tr>
<tr>
<td>Purple</td>
<td>81960</td>
</tr>
<tr>
<td>Salmon</td>
<td>81970</td>
</tr>
<tr>
<td>White &quot;Snowball&quot;</td>
<td>81980</td>
</tr>
<tr>
<td>Yellow, Golden</td>
<td>81990</td>
</tr>
<tr>
<td>Mixed</td>
<td>82020</td>
</tr>
<tr>
<td>Tom Thumb, Mixed</td>
<td>82030</td>
</tr>
<tr>
<td>Lilliput, Scarlet Gem</td>
<td>82050</td>
</tr>
<tr>
<td>'White'</td>
<td>82060</td>
</tr>
<tr>
<td>Mixed</td>
<td>82070</td>
</tr>
<tr>
<td>Mixed Pompon</td>
<td>82090</td>
</tr>
<tr>
<td>Haageana, Double Mixed</td>
<td>82110</td>
</tr>
</tbody>
</table>

### Mixed Annual Flower Seeds

Bright-colored, summer-flowering, easily grown hardy annuals in the greatest variety for sowing broadcast.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>100 seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed Tall</td>
<td>82300</td>
<td>$0 15</td>
</tr>
<tr>
<td>Mixed Dwarf and Semi-Dwarf</td>
<td>82320</td>
<td>20 45</td>
</tr>
<tr>
<td>Mixed Annuals for Bees</td>
<td>82340</td>
<td>10 30</td>
</tr>
</tbody>
</table>

### Mixed Perennial Flower Seeds

<table>
<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>100 seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tall Hardy Sorts, Mixed</td>
<td>82360</td>
<td>$0 20</td>
</tr>
<tr>
<td>Dwarf Hardy Sorts, Mixed</td>
<td>82380</td>
<td>25 75</td>
</tr>
</tbody>
</table>

### Palm Seeds

<table>
<thead>
<tr>
<th>Species</th>
<th>Pkt.</th>
<th>100 seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arecaceae lutescens</td>
<td>15</td>
<td>seeds, $0</td>
</tr>
<tr>
<td>Brahea filifera</td>
<td>30</td>
<td>10 25</td>
</tr>
<tr>
<td>Chamerops elegans</td>
<td>15</td>
<td>10 50</td>
</tr>
<tr>
<td>Cocoauxalis bonnetii</td>
<td>15</td>
<td>20 1 00</td>
</tr>
<tr>
<td>Corypha livistonia</td>
<td>10</td>
<td>10 75</td>
</tr>
<tr>
<td>Dracena australis</td>
<td>20</td>
<td>15 50</td>
</tr>
<tr>
<td>Kentia belmoreana</td>
<td>15</td>
<td>seeds, $0</td>
</tr>
<tr>
<td>Canterburyana (Palm)</td>
<td>8</td>
<td>50</td>
</tr>
<tr>
<td>Forsteriana</td>
<td>15</td>
<td>25 1 50</td>
</tr>
<tr>
<td>Latania borbonica</td>
<td>15</td>
<td>10 30</td>
</tr>
<tr>
<td>Musa ensete (Banana)</td>
<td>15</td>
<td>25 1 50</td>
</tr>
<tr>
<td>Oreodoxa regia (Royal)</td>
<td>15</td>
<td>20 1 00</td>
</tr>
<tr>
<td>Pandanus utilis</td>
<td>8</td>
<td>15 50</td>
</tr>
<tr>
<td>Phoenix canariensis</td>
<td>15</td>
<td>10 40</td>
</tr>
<tr>
<td>Dactylifera (Date Palm)</td>
<td>8</td>
<td>10 80</td>
</tr>
<tr>
<td>Rupicola</td>
<td>15</td>
<td>25 1 25</td>
</tr>
<tr>
<td>Seaforthia elegans</td>
<td>15</td>
<td>10 49</td>
</tr>
</tbody>
</table>

Collection of 10 varieties of Palm seeds, by name, our selection, $1

Throughout the year we have Cycas revoluta stems (Sago Palms) in various sizes, direct from Japan. Lb. 15 cts.
ORNAMENTAL GRASSES

The Ornamental Grasses are very attractive to use in mixed flower-beds or borders, and for grouping by themselves give fine effects. Many of them, if cut before they are entirely ripe, will be found very useful, when dried, in the formation of winter bouquets, in connection with the “Everlastings.”

Not less than one ounce of the cheaper sorts at ounce rate.

*AGROSTIS (Cloud Grass) (hA). Very fine for vases and bouquets. Pkt. nebulosa. Very delicate and graceful; 18 in. . ....... 82600 10 pulchella. Good for bouquets; 1 ft. . 82610 10

*ANDROPOGON argentatus (hP). Large, silvery plumes; 3 ft.

*ARUNDO (Great Reed) (hP). Well adapted for large clumps; stately and ornamental; 10 ft. Pkt. Donax. Green leaves . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
GLADIOLI

ALL EXTRA-SELECTED, LARGE BULBS, NO SECOND SIZE

Add 6 cts. per dozen, or 50 cts. per 100 for postage

GLADIOLI are very easily grown. Any good soil suits them. Plant the bulbs as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July, these fine flowers can be had in bloom all through the summer and fall—the later flowers being the best. About the end of October, when the leaves begin to wither, the bulbs should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring. Those marked with an asterisk (*) are used extensively for forcing.

THORBURN’S EXTRA-FINE MIXED HYBRIDS

Containing only finest named sorts in a wide range of colors and markings. 65 cts. per doz., $4.50 per 100, $40 per 1,000.

PRIMULINUS Hybrids. Hybrids of a South African species, with many related species and choice garden varieties. Extremely vigorous and healthy growers, blooming in July and August. Grows 3 to 5 feet high, with long spikes of richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats. 15 cts. each, $1.50 per doz., $10 per 100.

VARIOUS MIXED GLADIOLI

Six of a kind at a dozen rate, 25 at 100 rate, 250 at $1,000 rate

Mixed Varieties of Red and Scarlet

<table>
<thead>
<tr>
<th>Variety</th>
<th>Doz. 100</th>
<th>1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>White and Light</strong></td>
<td>$2 00</td>
<td>$16 00</td>
</tr>
<tr>
<td><strong>Extra White and Light</strong></td>
<td>$3 25</td>
<td>$18 00</td>
</tr>
<tr>
<td><strong>Striped and Variegated</strong></td>
<td>$3 00</td>
<td>$22 00</td>
</tr>
<tr>
<td><strong>Pink and Rose</strong></td>
<td>$2 00</td>
<td>$16 00</td>
</tr>
<tr>
<td><strong>Yellow and Orange</strong></td>
<td>$4 00</td>
<td>$30 00</td>
</tr>
<tr>
<td><strong>Hybrids</strong></td>
<td>$4 50</td>
<td>$38 00</td>
</tr>
<tr>
<td><strong>Groff’s Hybrid Seedlings</strong></td>
<td>$1 50</td>
<td>$12 00</td>
</tr>
<tr>
<td><strong>Lemoine’s</strong></td>
<td>$1 50</td>
<td>$12 00</td>
</tr>
<tr>
<td><strong>Childsii</strong></td>
<td>$2 00</td>
<td>$16 00</td>
</tr>
<tr>
<td><strong>Excelsior</strong></td>
<td>$2 50</td>
<td>$20 00</td>
</tr>
<tr>
<td><strong>Nanceianus</strong></td>
<td>$2 50</td>
<td>$20 00</td>
</tr>
</tbody>
</table>

FINE NAMED HYBRID GLADIOLI

Not less than six of a kind at a dozen rate, 25 at 100 rate

<table>
<thead>
<tr>
<th>Variety</th>
<th>Doz. 100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>America</strong></td>
<td>$3 50</td>
</tr>
<tr>
<td><strong>Augusta</strong></td>
<td>$4 00</td>
</tr>
</tbody>
</table>
FINE NAMED HYBRID

Baron Hulot. (Lemoine.) Without a Doz. 100

Boston. Flaming orange-scarlet with white throat. 1 00 7 00

*Brenchleyensis. A fine old vermilion-scarlet variety. 35 2 00

Brilliant. Beautiful orange-red with carmine-and-white throat. Superior to other scarlets. 1 00 6 00

Canary-Bird. Finest yellow. 1 50 9 00

Capt. C. B. Tanner. Extra large and fine. Brilliant crimson and white freely mottled and intermixed. 1 00 7 00

*Ceres. Pure white spotted with purplish rose. 1 40 2 50

Columbia. Light orange-scarlet, freely blotted and penciled with bluish-purple. Throat freely mottled. 1 00 6 00

Compacta. Large flower, very compact. Rosey blush, slightly striped and mottled pink. Quite distinct and very handsome. 1 50 10 00

Dr. Selle. Large spike and very large flower of great substance. Deep rosy carmine, slightly penciled darker. Petals rayed white, blushed pink. 1 00 7 00

Emma Thursby. White, striped and blotched. 75 5 00

Eugene Scribe. Very large and wide; tender rose, blazed carmine-red. Exceptionally fine for florists' use. 1 00 6 00

Faust. Deep purplish carmine with white markings on lower petals. 75 5 00

F. L. Oakley. Bright scarlet-tinted salmon with pure white center. A very fine show variety. 1 00 6 00

George Paul. Deep crimson, stained yellow, spotted purple. 1 25 8 00

Glory of Brightwood. Scarlet with lemon throat. 1 00 6 00

Halley. Large flowers of a lovely salmon-pink, lower segments blotched yellow with carmine markings. An excellent variety. 75 5 00

Henry Gillman. Deep salmon-scarlet with pure white bands, the throat showing peculiar mottlings. 1 00 6 00

Hollandia. Rose-mauve, late. 1 75 5 00

I. S. Hendrickson. A beautiful and irregular mottling of white and bright pink, in some the pink and in others the white predominating. Flowers and spike very large and fine. 1 00 7 00

Irene. Fine, large flower and stalk. A fine shade of pink, freely blazed bright crimson. 1 00 7 00

*Isaac Buchanan. Very fine yellow; large flowers. 1 00 7 00

Jessie. (Lemoine.) Fine velvety red; long spike of flowers. 75 5 00

Kate. Blush-white with crimson-blotched throat. 75 5 00

Kunderi "Glory." Each lower petal is exquisitely ruffled and fluted. Stalks grow 4 to 5 feet tall, and produce from eight to twelve beautiful flowers, which expand wide open and are delicate crimson-pink with a large crimson blotch through the center of each lower petal. 1 25 8 00

Lafayette. (Lemoine.) Very large; yellowish salmon, crimson blotch. 1 25 8 00

Lamarr. (Lemoine.) Salmon, with crimson and yellow spots. 1 00 6 00

Lemon Drop. Light lemon with bright yellow throat. 1 00 7 00

Le Poussin. Light red, white blotch. 1 00 7 00

GLADIOLI, continued

Little Blush. Dwarf habit, compact; Doz. 100

blush-white .................................................. $1 00 $7 00

Lydia. A fantastic mottling of pinkish white and deep rich crimson. 1 25 8 00

Madame Lemoine. (Lemoine.) White tinted lemon, large crimson blotch. 1 50 3 00

*Madame Moneret. Delicate rose; fine, large spike. 60 4 00

*May. A lovely pure white, finely flaked rosy crimson. 60 4 00

Mayor. Fine, large, compact spike; rich purple rose. 1 00 7 00

Mohonk. Dark pink with spotted throat, shading orange and flaked with maroon. 1 50 10 00

Mrs. Beecher. Beautiful, deep rose-crimson; large, well-opened flowers with pure white throat. 1 50 10 00

Mrs. Francis King. Light scarlet; very large flowers on a long spike. 60 4 00

Mrs. Frank Pendleton. (Lemoine.) Very large, graceful blossoms of lovely bright pink; rich with crimson blotches on the lower petals; very beautiful. 3 50 28 00

Mrs. W. N. Bird. Beautiful lilac-rose; crimson and white mottlings in throat and petals. 1 50 10 00

Nezinscott. Bright blood-scarlet with deep velvety crimson blotches and white mottlings. 1 25 8 00

Octooron. A beautiful salmon-pink. 1 00 7 00

*Pink Beauty. Bright carmine-rose with darker blotch on lower petals; early; fine cut-flower. 1 25 5 00

Portland. Rosy red, penciled darker; mottled throat. 1 25 8 00

Princeps. Glowing crimson with white flakes on lower petals. 1 25 8 00

Rosella. (Lemoine.) Large, well-opened flowers; light rose, stained purple and white. 1 50 10 00

Rosy Spray. White, beautifully sprayed rose; large and fine. 1 25 8 00

Salen. Fine salmon-pink with maroon blotches. 1 00 7 00

Salmonette. A dainty Lemoinei variety; salmon-rose. 75 5 00

Scarsdale. (Lemoine.) Large, pink-lavender flowers shaded to dark rose. 1 25 8 00

Scribe. An enormous spike; flower tinted white, freely striped carmine. 1 25 8 00

*Shakespeare. White, suffused with carmine-rose, large rosy blotch. 1 25 8 00

Splendor. A beautiful, large flower of the softest rose-color, large magenta stain. 1 50 10 00

Spot. White, freely spotted and mottled rose. 1 00 7 00

Sunlight. Light crimson with large, canary-yellow throat, mottled velvety maroon. 1 75 5 00

Sunshine. Tall spike of twenty or more flowers; fine yellow. 1 50 11 00

Superb. Enormous flower and spike, one of the very largest; pink, flaked and striped with salmon-pink. 1 25 8 00

Taconic. Bright, lively pink, flecked and striped with shades of the same color. 1 00 7 00

*Wm. Falconer. Spike of great length and flowers of enormous size; beautiful, clear light pink. 1 50 10 00

*Wild Rose. A remarkable variety of very bright rose or blush-tint, exceedingly delicate and pretty; forcing under glass. In its color this flower stands alone. 1 50 10 00
DAHLIAS, Double

6 of a kind at dozen rate

If ordered to be sent by parcel post, add postage at zone rates. Weight per dozen, 6 lbs. (including packing), for largest-size roots as offered below. We can supply smaller roots, weighing (with packing) 3 lbs. per dozen, at a reduction of 25 per cent in price of roots. Postage on single roots, 5 cts. each.

<table>
<thead>
<tr>
<th>CACTUS DAHLIAS</th>
<th>DECORATIVE DAHLIAS, continued</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T. G. Baker.</strong> New. Bright yellow; very Each</td>
<td><strong>Lyndhurst.</strong> Brightest vermillion. An Each</td>
</tr>
<tr>
<td>large, finely formed flowers held on long</td>
<td>Doz.</td>
</tr>
<tr>
<td>stiff stems................................</td>
<td>$25</td>
</tr>
<tr>
<td><strong>Cockatoo.</strong> Clear yellow, tinted fawn and</td>
<td></td>
</tr>
<tr>
<td>tipped white. The flowers are exquisitely</td>
<td></td>
</tr>
<tr>
<td>large, beautiful in form and always full to</td>
<td></td>
</tr>
<tr>
<td>the center, a profuse bloomer................</td>
<td>25</td>
</tr>
<tr>
<td><strong>Countess of Lonsdale.</strong> Yellow, suffused</td>
<td></td>
</tr>
<tr>
<td>salmon-red; a beautifully formed flower...</td>
<td>20</td>
</tr>
<tr>
<td><strong>Flame.</strong> A bright and effective orange-</td>
<td></td>
</tr>
<tr>
<td>scarlet. Height 3 feet.............</td>
<td>25</td>
</tr>
<tr>
<td><strong>Floradora.</strong> Beautiful, pure garnet; splendid</td>
<td></td>
</tr>
<tr>
<td>form and a free bloomer...................</td>
<td>25</td>
</tr>
<tr>
<td><strong>General French.</strong> An orange-terra-cotta</td>
<td></td>
</tr>
<tr>
<td>color, especially adapted to decoration...</td>
<td>25</td>
</tr>
<tr>
<td><strong>H. Shoesmith.</strong> Brilliant vermillion-scarlet;</td>
<td></td>
</tr>
<tr>
<td>long, slender, quilled petals. The best</td>
<td></td>
</tr>
<tr>
<td>bright red Cactus Dahlia................</td>
<td>25</td>
</tr>
<tr>
<td><strong>J. B. Briant.</strong> Rich yellow; of immense size.</td>
<td></td>
</tr>
<tr>
<td>Petals long, narrow and beautifully incurved.</td>
<td></td>
</tr>
<tr>
<td>Used extensively for exhibition purposes...</td>
<td>25</td>
</tr>
<tr>
<td><strong>Lawine.</strong> White, suffused blush; a magnificent</td>
<td></td>
</tr>
<tr>
<td>flower of largest size..................</td>
<td>25</td>
</tr>
<tr>
<td><strong>Perle Hilde.</strong> A delicate shell-pink sports of</td>
<td></td>
</tr>
<tr>
<td>Kriemhilde..................................</td>
<td>20</td>
</tr>
<tr>
<td><strong>The Pilot.</strong> Yellow, heavily tipped bright</td>
<td></td>
</tr>
<tr>
<td>terra-cotta..................................</td>
<td>20</td>
</tr>
<tr>
<td><strong>Uncle Tom.</strong> Dark maroon, shaded black.</td>
<td></td>
</tr>
<tr>
<td>..................................................</td>
<td>20</td>
</tr>
</tbody>
</table>

**DECORATIVE DAHLIAS**

| **Admiral Togo.** Bright wine-red, margined Each | **Lyndhurst.** Brightest vermillion. An Each |
| Doz. velvety maroon.......................... | Doz. |
|.................................................................. | $20 | $2 00 |
| **Delice.** Bright rose-pink; entirely distinct; | | |
| very beautiful in form........................ | 25 | 2 50 |
| **Golden Wedding.** New. The largest, probably, of all Dahlias. Deep golden yellow. | | |
| A gorgeously distinct variety.............. | 25 | 2 50 |
| **Jacque Rose.** The best crimson for garden | | |
| or cutting.................................... | 15 | 1 50 |

**SHOW AND FANCY DAHLIAS**

| **Dorothy Peacock.** New. The most exquisitely beautiful shell-pink Dahlia on earth. Large-sized flowers. Absolutely Each | **Lyndhurst.** Brightest vermillion. An Each |
| Doz. without a fault.......................... | Doz. |
|.................................................................. | $30 | $3 00 |
| **Arabella.** Soft primrose, shaded and tipped | | |
| rose. One of the loveliest..................... | 15 | 1 50 |
| **Elegans.** Bright rose purple, tipped white, | | |
| with quilled petals............................ | 15 | 1 50 |
| **Penelope.** White, flaked rose lake, beauti- | | |
| ful and chaste.................................. | 15 | 1 50 |
| **Queen Victoria.** Rich golden yellow........ | | |
|.................................................................. | 15 | 1 50 |
| **Red Hussar.** Dazzling cardinal-red; strong, | | |
| vigorous grower and free bloomer, on long | | |
| stems. Best red Show Dahlia for cutting....... | 15 | 1 50 |
| **White Swan.** Large; pure white............... | 20 | 2 00 |
CANNAS, Dwarf, Large-Flowering French

Not less than 6 of a kind at dozen rate, 25 at 100 rate. If wanted by mail, add 15 cts. per dozen for postage

Cannas do well in almost any kind of soil, but they will repay liberal treatment. For the best results they should be planted in good loam that has been well mixed with an abundant supply of well-rotted stable or other manure. The beds should be spaded 2 feet deep, or more, and the soil well pulverized. Water should be applied abundantly at all times, but good drainage is essential.

Cannas are most effective when planted in masses, either alone or in combination with salvia (scarlet sage) and bordered with coleus or other dwarf-growing bedding plants. They are also frequently used with some of the tall-growing ornamental grasses, with which striking combinations can often be secured. They do best in sunny situations, and should be set out about 2 feet apart each way.

ALL OF THE FOLLOWING ARE DORMANT ROOTS

PINK-FLOWERING

Martha Washington. 3 ft. Each Doz. 100
Bright rose-pink; considered one of the finest in this color. A splendid sort for massing........... $0 10 $1 00 $6 00

Mrs. Alfred F. Conard. 4 ft. This popular variety keeps a superb showing for months. of exquisite salmon-pink flowers that are of the largest size, and are borne in abundance on erect heads................. 20 2 00 14 00

Venus. 4 ft. This is one of the prettiest Cannas in existence. The flowers are a gay rose pink with a well-defined border of creamy yellow; blooms all the time, with heads erect and flowers bright...... 10 1 00 6 00

RED-FLOWERING

Beacon. 4½ ft. Flowers of very Each Doz. 100 rich cardinal, and produced in great masses; great bloomer...$0 15 $1 50 $10 00

Patric. 4 ft. Flowers light crimson; of large size. Good for planting either singly or in masses.............. 10 1 00 5 00

RED-FLOWERING, continued

Philadelphia. 3 ft. This is one Each Doz. 100 of the most satisfactory dwarf crimson Cannas yet produced........ $0 10 $1 00 $5 00

YELLOW-FLOWERING

Buttercup. 3 ft. Charming yellow; Each Doz. 100 very bright.........................$0 15 $1 50 $10 00

Californian. 4½ ft. Flowers are a pure, rich orange-gold; medium size, and borne freely; attractive......... 10 1 00 6 00

Richard Wallace. 4 ft. Flowers large; color pure yellow. Fine for bedding............................. 10 1 00 6 00

VARIEGATED-FLOWERING

Comte de Bouchard. 4½ ft. A Each Doz. 100 striking variety; intensely bright, light yellow, dotted red............. $0 10 $1 00 $5 00

Gladioloflora. 3½ ft. Flowers look like large gladioli; crimson, changing to carmine, edged with gold... 15 1 50 10 00

Mad. Croiz. 3½ ft. Vermilion, with gold border; very pretty............. 10 1 00 6 00
BRONZE-FOLIAGED CANNA

RED-FLOWERING

Brandywine. 3½ ft. Flowers Each Doz. 100 red. Splendid for mass planting. $0 10 00 $5 00

David Harum. 3½ ft. Large-sized flowers, with well-rounded petals of good substance. Bright vermilion-scarlet, dotted with crimson spots. 10 1 00 5 00

Improved Black Beauty. 5 ft. Flowers are large and brilliant red. 10 1 00 6 00

Mrs. Geo. A. Strohlein. 6 ft. Flowers of amaranth-red; large, bronze foliage. 10 1 00 5 00

Wabash. 4 ft. The bronze-foliaged Canna. Rosea gigantea. Flower is unusually large; carmine-pink. 20 0 00 14 00

Wm. Saunders. 4 ft. Flowers often 5 inches across, are bright scarlet. A blaze of beauty all summer. 15 1 50 10 00

YELLOW-FLOWERING

Eastern Beauty. 4 ft. Flowers Each Doz. 100 light salmon and orange. $0 10 00 $5 00

Juanita. 4 ft. Flowers rich chrome-yellow; a lovely and unusual-colored Canna. 20 2 00 14 00

King Humbert. 4 ft. Bears immense, brilliant orange-scarlet flowers, streaked with crimson, in gigantic tuftes. A massive, sturdy grower, of stately habit. 10 1 00 5 00

Minneaha. 4 ft. Blossoms extra large; delicately colored flowers of dainty shades of gold and cream; foliage golden bronze. 15 1 50 10 00

Wyoming. 7 ft. Immense umbels of massive orange flowers; bronze-purple foliage. A splendid bedder. 10 1 00 5 00

PAEONIES

If wanted by mail, add 5 cts. each and 35 cts. per doz. for postage

Double Paonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and in America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Paonies rank about first for lawn or flower-border, or shrubbery decoration.

Our assortment includes some of the best and most distinct sorts, new and old. There are many kinds, including varieties showing both trifling variations, which we omit.

HERBACEOUS CHINESE PAEONIES

(Paeonia chinensis) Each Doz.

Alba plena. Pure white; fragrant. $0 35 50

Beaufrançaise. Rose and carmine. 40 4 00

Bois du Neige. Sulphur white. Center leaves with rosy borders. 50 5 00

Canary. Sulphur white. 60 6 00

Charlemagne. Creamy white, center lilac. 40 4 00

Comte de Niepperg. Bright carmine; early. 50 5 00

Cytherie. (Calot.) Flesh-color, nearly white; carmine-spotted. 40 4 00

Duke of Wellington. Sulphur white. 30 5 00

Edulis superba. Bright rosy pink. 50 5 00

Faust. Light rose. 50 5 00

Festiva. White, with carmine spots. 40 4 00

Festiva maxima. White; very fine. 50 5 00

Humei carnea. Rose passing to white. 40 4 00

Jeanne d’Arc. Rose, sulphur and rosy white center. 40 4 00

Jules Calot. Pink, center rose. 50 5 00

Louis Van Houtte. Cherry-color, with purplish reflection. 50 5 00

Magnifica. Tender rose, center creamy white. 50 5 00

Marie Lemoine. Pure white; a very large and splendid flower. 50 5 00

Meissonier. Purplish red. 50 5 00

Monsieur Krelage. Wine-color. 60 6 00

Queen’s Perfection. White, yellow center. 50 5 00

Queen Victoria. Rose; dark rose center. 40 4 00

Rubra Triumphans. Carmine. 40 4 00

Triumph de l’Exposition de Lille. Light rosy; fine-shaped flower; early. 50 5 00

Zoe Calot. Brilliant rose with lilac. 40 4 00

Double Mixed. White. 20 2 00

" Crimson. 20 2 00

" Rose. 15 1 50

" Carmine. 15 1 50

JAPANESE TREE PAEONIES

(Paeonia arborea)

These are very beautiful and free-flowering, and bloom two or three weeks earlier than the herbaceous sorts. We are importing an assortment of the following fine named varieties. $1.50 each.

Belle d’Orleans. Rosy carmine.

Blanche de Chateau Futu. Pure white.

Comtesse de Tudor. Tender rosy white; very double, Elisabeth. Brilliant pink; one of the largest flowers.

PAONY, FESTIVA MAXIMA
LILIES

Add 25 cts. per dozen for postage, if wanted by mail.

Lilies are easily grown and require little care. They do best in a light, well-drained soil. Some peat or leaf-mold may be used to advantage. They also prefer partial shade and the taller sorts must have protection from high winds. *L. auratum* cannot bear manure, but thrives in ordinary light soil.

**LILIUM LONGIFLORUM**
*(White Trumpet Lily)*

This is among the most beautiful and valuable of garden Lilies. It grows from 1 to 4 feet high, and bears many trumpet-shaped, sweetly-scented, waxy white flowers. A well-drained, light loam enriched with leaf-mold suits it best.

<table>
<thead>
<tr>
<th>Each</th>
<th>Doz. 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 to 8 in. circum.</td>
<td>$0.05 $0.50 $3.50</td>
</tr>
<tr>
<td>7 to 9 in. circum.</td>
<td>$1.00 7.00</td>
</tr>
<tr>
<td>9 to 10 in. circum.</td>
<td>$2.00 14.00</td>
</tr>
</tbody>
</table>

**Formosum.** Very large, white flowers. Grows 2½ to 4 ft. high.

| 7 to 9 in. circum. | 15 $1.50 10.00 |
| 9 to 10 in. circum. | 30 $3.00 20.00 |

**Multiflorum.** 6 to 8 in. circum.

| 7 to 9 in. circum. | 10 $1.00 7.00 |
| 8 to 10 in. circum. | 15 $1.50 10.00 |

**Multiflorum giganteum.**

| 7 to 9 in. circum. | 10 $1.00 7.00 |
| 9 to 10 in. circum. | 25 $2.50 18.00 |

**BEAUTIFUL JAPAN LILIES**

We import our supply direct from Japan every year. Every garden should have some of them.

**Auratum (Gold-banded Lily).** Each Doz. 100

The grandest of all hardy Lilies; 3 to 6 feet high; flowers white, spotted maroon, having a bright yellow band through the center of each petal.

| 8 to 9 in. circum. | $0.10 $1.00 $7.00 |
| 9 to 11 in. circum. | $2.25 15.00 |
| 11 to 13 in. circum. | $3.00 20.00 |

**Auratum pictum.** Flowers beautifully spotted crimson.

| 25 2.50 |

**Auratum rubrum.** Enormous flowers, sometimes measuring 10 inches across; white, beautifully spotted, with a deep crimson stripe through each petal; very fragrant.

| 50 5.00 |

**BEAUTIFUL JAPAN LILIES, continued**

**Speciosum rubrum M. H. D. H.**

Dark crimson-splotched flowers of large size; 2 to 4 feet high, and blooms profusely. 8 to 9 in. circum.

| 9 to 11 in. circum. | $2.00 13.00 |
| 11 to 13 in. circum. | $3.50 23.00 |
| 13 to 15 in. circum. | $4.00 28.00 |

**Batemanii.** Unspotted, bright apricot-colored flowers; beautiful variety. 3 to 4 ft. high.

| 20 2.00 |

**Kramerii.** White, slightly tinged with red; sweet-scented.

| 25 2.50 |

**Leichtlinii.** Orange-red, with crimson spots; 2 to 3 ft. high.

| 30 3.00 |

**VARIous LILIES**

**Bloomerianum.** Orange, spotted dark each Doz. $0.50 $3.00

**Bolanderi.** Bell-shaped, deep crimson flowers, dotted with purple. Grows 1 to 3 feet high. Rare.

| 50 5.00 |

**Brownii.** Flowers of immense size; inside creamy white, outside shaded chocolate-purple; a splendid pot-plant; 4½ to 5½ feet high.

| 40 4.00 |

**Canadense (Meadow Lily).** Drooping, yellow flowers, spotted red; 1½ to 3 ft.

| 15 1.50 |

**Canadense rubrum.** Red flowers.

| 15 1.50 |

**Candidum (Madonna Lily, or St. Joseph's Lily).** Large, pure white, very sweet-scented flowers; valuable for forcing; 2 to 3 feet high. per 100, $0.50.

| 40 4.00 |

**Colchicum var. Monadeiphum.** (Citron, black spots; a splendid Lily; 2 feet high.

| 40 4.00 |

**Columbianum (Oregon Lily).** Orange flowers, dotted maroon; fragrant.

| 40 4.00 |

**Croceum.** Orange, with purple spots; upright flowers.

| 20 2.00 |

**Elegans bicolor.** Bright red-flushed.

| 20 2.00 |

**Elegans bicolor.** Scarlet.

| 20 2.00 |

**Elegans bicolor.** Horamanei. Dark red, with black spots.

| 20 2.00 |


| 20 2.00 |

**Excelsum (Testaceum).** Lovely cream-colored flowers, tinged with apricot; very fragrant; 5 ft. high.

| 40 4.00 |

**Giganteum.** Grows 6 to 10 feet high, bearing many large, funnel-shaped flowers; 5 to 6 inches long; white, with purple throat. **Extra-large bulbs**

| 2 50 |

**Henryi (Orange-yellow Speciosum).** Very tall-growing variety; deep orange-yellow flowers, in great profusion when the plants are well established.

| 60 6.00 |

**Kellogii.** Slender stems with from 4 to 15 flowers with pink revolute petals; fragrant; 3 to 4 feet.

| 40 4.00 |

**Magnificum (Humboldti).** Bright orange-red, marked with dark spots.

| 50 5.00 |

**Maritimum.** Dark red, funnel-shaped flowers; beautiful.

| 50 5.00 |

**Martagon.** Purple; 2 to 3 feet.

| 20 2.00 |

**Parryi.** Large, handsome, pale yellow flowers; very rare.

| 75 7.50 |
VARIOUS LILIES, continued

### JAPAN IRIS (Iris Kaempferi)

Transportation charges on Iris extra

#### MIXED JAPAN IRIS FROM A SUPERB COLLECTION

A splendid assortment of extra-size clumps. Home-grown stock. 15 cts. each, $1.50 per doz., $11 per 100.

#### SUPERB COLLECTION OF LARGE-FLOWERED SORTS

We are importing from Japan a large supply of the following twenty of the best of these magnificent Irises, which are remarkable for the beauty of their colorings and staleness of habit. Some of them send up ten to twelve spikes, 3 feet high, each bearing two to four enormous blossoms, 8 to 10 inches across. They are most valuable for cut-flowers and table decoration—as handsome as orchids. Supply water liberally when growing. Cut in the early morning or after sunset. The descriptions given are those furnished us by the growers in Japan.

25 cts. each, $2.50 per doz., $18 per 100. The following may be ordered by number

13 **Boteki-no-Koe.** Pure white, heavily veined lavender, with pale color, lighter toward edges, stigmas lavender. Three large petals.

26 **Date-dougu.** Rich claret-red, yellow blotches. Three petals.

28 **Fuyoho.** Large; pure white, yellow blotches. Three petals.

31 **Gei-Sho-U.** Claret-red, veined white; standards shaded lavender, darker toward the edges, yellow. Two petals.

4 **Ho-o-jo (Ho-o-castle).** Ruby-crimson, primrose blotches; standards white and lavender.

37 **Katsuraotoko.** White, veined lavender; standards white, suffused with lavender, darker toward the edges. Six petals.

15 **Momiji-no-Taki.** Veined white, yellow blotches; standards white, yellow. Three petals.

30 **Noboro-Ryu.** Intense Tyrian blue, with yellow blotches; standards white, edged violet.

9 **Ran.** Royal purple, edged lavender, with large primrose blotches; standards wine-red, white at base. Six large petals.

34 **Sasa-no-Koe.** White, veined wine-red and blotched yellow; standards lavender, running to purple at edges. Three petals.

20 **Senjo-To.** Light wine-color, spotted and shaded to dark red, toward the edges of the petals, suffused with white, yellow blotches; standards shading to purple.

40 **Shiguremonjii.** Blush-pink, darker toward edges, splashed wine-red; stigmas lavender, primrose blotches. Three petals.

21 **Shikainami.** Light blue, shading to dark blue edges, white-veined, yellow blotches; standards shaded lavender, with dark edges. Particularly handsome. Six petals.

6 **Shippo (Cléosonné).** Rich Tyrian blue, edged purple and veined white, yellow blotches; standards white and wine-color.

14 **Shiraga.** Deep purple, heavily veined white; standards lavender, darker toward edges, yellow blotches. Six large petals.

17 **Suihbijin.** Claret-red, darker toward edges; standards white, veined and edged wine-color; stigmas wine-color. Three petals.

44 **Ujigawa.** Rich, vinous purple; standards blush-pink; stigmas lavender, canary-yellow blotches. Three immense petals.

50 **Uslio-no-Iro.** Violet, veined white; standards white, edged sky-blue, yellow blotches. Seven or eight petals.

7 **Yamato-Nishiki.** Pale lavender, running to purple on outside of petals, blotched and flaked dark purple, large primrose blotches. Immense flower. Three petals.

8 **Yodokuruma.** Pale wine-color, veined darker, large, orange blotches; standards very red. Gigantic blooms. Three petals.

### GERMAN IRIS (Iris Germanica)

Will thrive in almost any good garden soil, except one that is wet.

Fine Mixed. 75 cts. per doz., $5 per 100.
AMARYLLIS

The Amaryllis produces, under the simplest conditions, one to three spikes 2 or more feet high, crowned with from two to six large and beautiful, trumpet-shaped blooms lasting long in good condition. They should be planted as soon as received, in pots an inch or so larger than the diameter of the bulb.

The most suitable soil is good loam, with one-fourth of leaf-mold or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until September. Manure-water during this time is essential.

<table>
<thead>
<tr>
<th>Belladonna major.</th>
<th>Each Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Violet and white; in large umbels; fragrant</td>
<td>$0 25</td>
</tr>
<tr>
<td>speciosa purpurea</td>
<td>$0 50</td>
</tr>
</tbody>
</table>

| Hippeastrum, Mixed Hybrids | $0 50 | $0 00 |

Johnsoni (Spice Lily). Large flower; crimson, striped white. Large bulbs... $0 50 $5 00

Josephine (Gigantea). Fine scarlet; in immense umbels. Extra-sized bulbs. 4 00

ANEMONE, or WINDFLOWER

Very ornamental hardy perennials, producing beautifully colored flowers in spring and summer. They do best in rich soil and in a sheltered and well-drained position.

CORONARIA OR POPPY-FLOWERED ANEMONE

| Caen, Mixed (Giant French or Poppy) | $0 20 | $1 00 |
|---|---|
| flowered Anemone. | finest colors | $0 20 | $1 00 |

| Blue, Incomparable | $0 50 | $3 50 |
|---|---|
| Double | $0 3 50 |
| Mixed | $0 3 50 |

| Scarlet, Feu Superbe | $0 20 | $1 00 |
|---|---|
| double | $0 50 | $3 50 |
| Mixed | $0 3 50 |

| Scarlet, Single, Mixed | $0 20 | $1 50 |
|---|---|
| White, Ceres. Double; tinted rose | $0 50 | $3 50 |
| The Bride. Single; pure white | $0 1 00 | $7 00 |

| Rose, Rosette. Double; rose; extra large | $0 50 | $3 50 |
|---|---|
| Rose de Nice. Double | $0 20 | $1 50 |
| Mixed. Colors | $0 50 | $3 50 |
| Single. Mixed colors | $0 20 | $1 00 |

ANEMONE SPECIES

| Apennina, Blue. Early. Charming, clear blue, star-shaped flowers; fine for naturalizing | $0 50 | $3 50 |
|---|---|
| White | $0 40 | $3 00 |

| Japonica alba. | $0 50 | $3 00 |
|---|---|
| Large, pure white; invaluable for cutting | $0 10 | $1 00 |
| Queen Charlotte. Semi-double; pink | $0 15 | $1 50 |
| rosea. Large; rosy carmine | $0 10 | $1 00 |
| Whirlwind. Large, semi-double, pure white. Splendid for cut-flowers | $0 10 | $1 00 |

| Sylvestris (Snowdrop Windflower). Beautiful pure white | $0 10 | $1 00 |

BEGONIAS, TUBEROUS-ROOTED

Six of a kind at dozen rate, 25 of a kind at 100 rate

Splendid pot-plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

| Single, Scarlet | $0 10 | $1 00 | $0 50 | $1 00 |
|---|---|---|---|
| Rose | 10 | 1 00 | 6 00 |
| White | 10 | 1 00 | 6 00 |

| Double, White | $0 15 | $1 50 | $1 00 |
|---|---|---|
| Yellow | $0 15 | $1 50 | $1 00 |
| Rose | $0 15 | $1 50 | $1 00 |
| Crinum | $0 15 | $1 50 | $1 00 |

BEGONIA CRISPA (Single Fringed Begonia). These comparatively new Begonias have beautifully shaped, gracefully wrinkled and crested flowers, borne above the foliage on long and erect stems. An exceedingly fine strain.

- RED, ROSE, WHITE, YELLOW, SALMON and ORANGE. 75 cts. per doz., $6 per 100.

CRINUMS

The most suitable soil is a compost of turfy loam, cow-manure and sand. They should be grown in large pots or tubs, about three-fourths of the bulb being out of the soil. In late fall, remove to a coolhouse and allow to rest till new leaves begin to appear in February. If placed outside when warm weather begins, they will flower through the summer, making splendid lawn or veranda plants.

| Amable, Giant Pink. Extra large; bright pink, Each with white stripe; splendid flower. Enormous bulbs | $0 50 | $3 50 |
|---|---|
| Asiaticum. Pure white. Large bulbs | $0 50 | $3 50 |

| Giganteum, Giant White. Immense bulbs. Large, white flowers; blooms all summer; very fragrant; should be watered plentifully while growing | $0 50 | $3 50 |

Kirkii. Large umbels of beautiful pure white. Each flowers, with purple stripe in center of each petal; very fine.

Powelli. Produces long stems, bearing at the top five to eight large, dark rose, bell-shaped flowers, 3 to 4 inches long, of great beauty in form and color.

Powelli album. Pure white; very beautiful sort.

GLOXINIAS

Beautiful greenhouse plants, remarkable for the intensity and variety of their colorings, and the exquisite manner in which they are often bunched, mottled, penciled and blended. They thrive best in a soil composed of leaf-mold and peat, in equal parts, with a little sand added. When growing give plenty of water, but it should always be tepid.

| Crassifolia erecta, Red | $0 15 | $1 50 |
|---|---|
| var. Spotted | $0 15 | $1 50 |
| White | $0 15 | $1 50 |

| Crassifolia erecta, Blue | $0 15 | $1 50 |
|---|---|
| var. Mixed | $0 15 | $1 50 |
MONTBRETIAS
Treat same as Gladioli

Summer-flowering, bulbous plants that are becoming more popular every year. They should be planted in groups. Ordinary garden soil and a sunny position suit them.

Crocosmia®flora auran
tiaca. Deep golden Doz. 100
" Bouquet Parfait. Large,
yellow; fine spike........... $0 30 $2 25
" California. Beautiful deep
golden yellow................ 30 2 25
" Etole de Feu. Bright
vermilion, with deep yel-
low center; large flowers. 40 3 00
" Fire King. Extra-glowing
scarlet-red.................. 40 3 00

Crocosmia®flora, Golden Sheaf. Bright Doz. 100
" Soleil Couched (Sunset).
Golden yellow.............. 30 2 25
" speciosa. Copper, with
yellow disc in the center. 30 2 25
" Sunbeam (Rayon d'Or).
Rich yellow, spotted
brown; large flowers.... 30 2 25

Pottsi. Orange and scarlet; very free-
flowering........................ 30 2 25
Rosea. Bright salmon-rose; distinct........ 40 3 00

TIGRIDIAS (Ready in March)
Add 5 cts. per doz. for postage

These very handsome summer-flowering bulbs should be planted in the spring. They will flower profusely all summer. The plants grow about 2 feet high, with large and finely colored flowers.

Pavonia alba immaculata. Pure white, un-
spotted......................... $0 50 $3 50
" canariensis. Very handsome; light yel-
low, with brown spots... 50 3 50
" conchiflora. Bright yellow........ $0 60 $4 00
" lutea immaculata. Pure yellow; hand-
some and striking......... 60 4 00
" Red. Distinct from Pavonia speciosa........ 50 3 50
" speciosa. Scarlet.................. 50 3 50

HARDY PHLOX
(Decussata)
A flower of more than usual beauty that will succeed in almost any kind of soil or climate. May be planted in the spring or fall.

Boule de Feu. Dark carmine; extra fine........ $0 15 $1 50
Coquelicot. Bright, fiery red, with a center of
beautiful rose.................. 15 1 50
Eclaireur. Beautiful rose-color, with a band of
lighter color around the eye........ 15 1 50
Flameau. Brilliant red, with eye of still darker
color............................ 15 1 50
Jeanne d'Arc. Pure white.................. 15 1 50
Pantheon. A delightful salmon-rose, with a pale
center, and skirt of salmon-rose, with a shade lighter running around the eye........ 15 1 50
Pecher d'Island. Fiery red with white center.... 15 1 50
Suffruticosa, Snowdown. Everblooming; beau-
tiful white form; dwarf-growing.................. 15 1 50

Each sort, $10 per 100

MISCELLANEOUS BULBS AND ROOTS

ACHIMENES, Mixed. Lovely Each Doz. 100
greenhouse pot-plants........ $0 60 $4 00

ALSTREMERIA aurea (auran-
tiaca). Orange-yellow, spotted
black........................... $0 10 1 00
brailiensia. Deep red with
black spots.................... 10 1 00

AMORPHOPHALLUS Rivieri. A species of Arum with orna-
mental leaves; flowers without soil or water........ 100 1 00

ANOMATHECA cruenta. Crimson
flowers; dwarf habit; fine for
window-garden.............. 20 1 25

ANTHERICUM liliago.................. 10 1 00
liliumstrum major.................... 10 1 00
ramosum.......................... 10 1 00

ANTHOLYZA, Mixed. Like Gladiolus. Each Doz. 100
dioli. Take up in fall........ $0 10 $1 00 $7 00

APIOS tuberosa. Hardy climber, with clusters of fragrant purple
flowers......................... 10 1 00

ARUM Dracunculus..................... 15 1 50
cornutum (Red Calla)........ 15 1 50
crinitum.......................... 30 3 00
italicum (Dragon Flower). Creamy
white.......................... 10 1 00

MACULATUM.................. 10 1 00

PALEASTINUM sanctum (Black
Calla)........................... 25 2 50

ASPHODELUS ramosus (King's
Spear). White................ 50 5 00

BABIANA, Mixed. For pots........ 50 3 00
MISCELLANEOUS BULBS AND ROOTS, continued

**BRODIAEA.** See our Bulb Catalogue for various sorts.

**CALADIUM bicolorum.** $1 00 $6 00
7 to 9 inches in circumference.
11 to 12 inches in circumference.
13 in. in circumference and upwards.

**Elliottiana, Yellow; Spotted Leaf.** Dark green leaves, spotted silvery white.

**CALA anthophila (White Calla, or Lily-of-the-Nile).** Large, white, trumpet-shaped flowers. 1st size: 200 14 00. 2nd size: 15 15 10 00.

**CAMELIA japonica** (Bark in various colors.)

**CAMASSIA.** Very large leaves and lovely, pale sky-blue flowers, produced in racemes 2 to 3 feet long.

**esculenta.** Pretty violet-blue flowers. Fine for cutting.

**Leichtlinii.** Purple. 15 1 50.

**CINNAMON VINE.** First-size roots.

**CLEMATIS** a Hardy

**COOPERIA Drumondii (Evening Star).** White. 50 3 50.

**pedunculata.** Beautiful, white, fragrant flowers.

**CROCOSMIA** aurea (Tritonia). Beautiful, half-hardy; orange flowers.

**DARLINGTONIA** (Pitser Plant).

**DICENTRA spectabilis** (Bleeding Heart). Hardy perennial; also for cutting.

**DODECATHEON** Clevelandi. White, tinted pink. 15 1 50 10 00.

**Hendersoni.** Rose-purple. 15 1 50 10 00.

**patulum.** Yellow. 25 2 50.

**" Soft rose.**

**EREMURUS hinalicus.** White. 1 00.

**robustus.** Rose. 1 00.

**Hybrids.** 50.

**ERYTHRONIUM.** See our Bulb Catalogue.

**EUCHARIS amazonica.** Fine, white-flowered greenhouse plant. Magnificent.

**FUNKIA marginita.** Green foliage, margined white. 15 1 50 10 00.

**GERANIUM sanguineum.** Hardy perennial. Crimson-purple flowers.

**H/EMANTHUS albiflora.** White. 75.

**cocinea.** Scarlet. 2 00.

**punicus.** Orange-red. 1 50.

**HELLEBORUS niger major** (Christmas Rose). Hardy; valuable for cutting.

**HEMEROCALLIS, Apricot.** Dazzling, rich apricot.

**flava.** Clear yellow. 10 1 00 7 00.

**fulva.** Coppery orange, shaded crimson. 15 1 50 10 00.

**Kwanso fl. pl.** Coppery orange; double. 15 1 50 10 00.

**Sieboldi.** An exceedingly handsome reddish orange. 10 1 00 7 00.

**HYACINTHUS candidans.** 50 3 50.

**INCARVILLEA Delavayi.** Large; Each.

**MADEIRA VINE.** Roots.

**MILLA biforma.** Star-shaped flowers; delightfully fragrant; a waxy white.

**ENOTHERA ovata** (Evening Primrose). A beautiful Primrose, having circles of leaves flat on the ground and a great number of bright yellow flowers.

**ORNITHOGALUM arabium.** White, with black center.

**umbellatum** (Star of Bethlehem). Outside green and white, inside satiny white.

**OXALIS.** See our Bulb Catalogue for full list.

**PANCRATIUM calathinum** (Basket Flower).

**maritimum** (Sea Daffodil).

**undulatum.** White.

**RANUNCULUS.** Soak in water for two days before planting.

**French Mixed.**

**Persian Mixed.**

**Turkish Mixed.**

**SCHIZOSTYLIS coccinea.** Scarlet, gladious-like flowers.

**SPIRREA Asterilbe Arendsi, Cereus.** Bright yellow lilac.

**Asterilbe Naarden.** Large pink flowers. Early bloomer; fine for cutting.

**astilbidae.** Very floribunda. Very large, pure white plumes. Neat habit; abundant bloomer.

**hybrida, W. E. Gladstone.** Snow-white plumes, long stems; fragrant. Fine for cutting.

**hybrida, Queen Alexandra, Pink.** A pink variety, in habit similar to Gladstone but flowering three weeks later. Beautiful.

**hybrida, Washington.** Extra-large flowers; fine for cutting.

**japonica.** Pure white flowers.

**japonica compacta multiforma.** Neat and compact. Pure white flowers.

**palmata.** Crimson; strong stems.

**TRICYRTIS hirta.** Beautiful; flowering; hardy.

**TRILLIUM.** See our Bulb Catalogue.

**TRIFOLIA Pfitzeri.** Large spikes of intense flame-colored flowers. Plant in spring.

**MacOwani.** Dwarf variety; bright orange-red; large.

**uvaria grandiflora** (Red-Hot Poker Plant).

**TROP/EOLUM tricolor.** (Jarrattii). A perfect greenhouse climber; for pots.

**speciosa.** Brilliant scarlet. 10 1 00.

**pentaphyllum.** 10 1 00.

**TUBEROSES, Dwarf Double Pearl.** Albino. Pure white; single.

**Variegated Leaf.** Add 10cts. per dozen for postage.

**WATSONIA Ardernei** (O'Brieni). Large, beautiful, snow-white gladiolus-like blooms over 10 inches in diameter. Fine for cutting or for planting outdoors in spring.

**ZEPHYRANTHUS alba.** White.

**Atamasco.** Pure white.

**candida.** White, greenish base.

**rosa.** Pink.

**Texana.** 10 1 00 7 00.
Insecticides and Remedies for Plant Diseases

All subject to change in price. Transportation charges not included in prices.

ANT-DESTROYER. Will positively destroy ants. 1⁄2-lb. tins. ... $0 15 | 1-lb. tins. ... $0 45

ANTIPEST. A sure destroyer of all insect pests. Qt. ... $0 45 | 1 gal. ... $1 25

APHINE. Has no equal for the destruction of green, black or white fly, thrips, red spider, mealy bug, etc. Use one part to forty of water. Does not injure the most tender plants. 1⁄2 pt. ... $0 25 | Pt. ... $0 65

APHIS PUNK. For ridding greenhouses of the green fly, black fly, etc. Can of 12 sheets, 60 cts.

ARSENATE OF LEAD. Adheres well to foliage and does not readily wash off. It remains well suspended in solution, ensuring even distribution. It is white and shows where it has been applied. It does not injure tender foliage.

Bordeaux Mixture, or Fungicide. For all fungous diseases.

Bordeaux Mixture—Per Lb. | 1-lb. Can. ... $0 20 | 5 lbs. and over ... $0 18

COPPER SOLUTION, Ammoniated. Prevents black and brown rot, mildew and other grape diseases, pear and apple scab, leaf blight, tomato rot, potato blight, melon blight, etc. Dilute one part to 100 parts of water; spray lightly.

Copper Solution—Qt. ... $0 35 | 1 gal. ... $1 00

FUNGICIDE. For all fungous diseases.

Fungicide—Per Lb. | 5-gal. keg. ... 4 00

BUG DEATH. This is a fungicide, insecticide and plant-food combined, and contains neither paris green nor arsenic.

Liquor—Qt. ... $0 30 | Gal. ... $1 00

CUTWORM FOOD. Kills the worms; simple and easy to use; specially prepared for bringing young plants through the critical period.

C downtown Food—1-lb. pkg. ... $0 25 | 5-lb. pkg. ... $0 90

FIRE-TREE OIL. Dilute one pint to twenty gallons of water. Apply with vaporizer or syringe.

Fire-tree Oil—Pint. ... $0 55 | Qt. ... $1 75

FIRE-TREE-OLI SOAP. Mix at the rate of one ounce to a gallon of water, and apply with a bellows or syringe.

Fish Oil—2-lb. tin. ... $0 75

GRAPE DUST, Hammonds’. For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows.

Helleborine. Apply dry or mix in water—one ounce to three gallons.

Kerosene Emulsion. For cabbage worms, scale on trees, caterpillars, melon lice, rose bugs, etc. Dilute twenty-five to fifty parts.

Ker-O-Soap. A concentrated insecticide (in paste form) prepared for use on house and garden plants, trees, shrubs, etc. 14-oz. can 30 cts.

KILM WEED ERADICATOR. A patented tube containing a powerful weed-killer. Will exterminate dandelion from lawns. Easy to use. Each, $1. Extra tubes of powder for re-charging, 50 cts. each.

Lawn Compound, Sterlingworth. A non-poisonous powder to destroy plantain, dandelions, chickweed, and most other weeds having a broad, hairy surface, without killing the grass. Five pounds will dress 500 to 1,000 square feet, according to condition of the lawn.

Lawn Compound—5-lb. can. ... $0 60 | 50-lb. keg ... $4 00

LEMOM OIL. For destroying scale, caterpillar, mealy bug, etc. Directions on can.

Lemon Oil—Pint. ... $0 25 | Qt. ... $0 75

Lime-Sulphur Solution, California Wash. For San José scale. One gallon makes fifteen by adding water.

Lime-Sulphur Solution—Pint ... $0 40 | 1 gal. ... $2 00

Nico-Fume Liquid. For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, one to two teaspoonfuls to a gallon of water. Lamps, 60 cts. each.


24 sheets ... $0 85 | 144 sheets ... $4 00

288 sheets ... $7 50
**INSECTICIDES AND REMEDIES**

**FOR PLANT DISEASES, continued**

**NICOTICIDE.** For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not damage foliage or flowers. Sold in cans as follows:
- 1/4-pt. can, for 8,000 cubic feet of space... $0.70
- 1/2-pt. can, for 16,000 cubic feet of space... 1.25
- 1-pt. can, for 32,000 cubic feet of space... 2.50
- 1-qt. can,.......................... 4.50
- 1/2-gal. can,.......................... 8.25
- 1-gal. can,.......................... 15.00
  Fumigators, 60 cts. each.

**PARIS GREEN.** Mix at rate of one pound to two hundred gallons of water. Effective against all chewing insects.
- 1/4-lb. can...$0.12  1/2-lb. can...$0.20

**READE'S EARTHWORM KILLER.** For destroying earthworms on golf-greens, tennis courts, lawns and bowling-greens. A safe, non-poisonous to animals, powder, which acts also as a fertilizer to the grass. Twenty-five pounds will cover 450 square feet.
- 25-lb. bag...$2.00  50-lb. bag...$3.75
- 100-lb. bag.......................... 6.00

**SCALECIDE.** For San José scale. Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary. Add one gallon for every fifteen to twenty gallons of water.
- Qt........................... $0.40  Gal........................... $1.00
- 5 gals.................................. 3.50

**SLUG-SHOT, Hammond’s.** Excellent for destroying cabbage, turnip and beet flies, potato bugs, currant worms, etc.
- Lb.......................... $0.15  10 lbs.......................... $0.60
- 5 lbs.......................... 40  100 lbs.......................... 5.00

**SULPHO-TOBACCO SOAP.** Dissolve in proportion of two ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, green fly, bark lice, etc.
- 3-oz. box.................... $0.10  8-oz. box.................... $0.20
- 10-lb. box.......................... 3.00

**SULPHUR, POWDERED.** Valuable for protecting against mildew on grapes, roses, etc.
- Lb.......................... $0.10  10 lbs.......................... $0.60

**TOBACCO DUST—**
- **Regular Kind.** Highest grade for dusting.
  - Lb.......................... $0.10  10 lbs.......................... $0.60
  - 5 lbs.......................... 35  100 lbs.......................... 3.50

**Stoothoff’s “Black Stuff.”** For dusting.
- 25 lbs.......................... $1.50  50 lbs.......................... $2.50
- 100 lbs.......................... 4.00

**Stoothoff’s “Fumigating Kind.”** For burning.
- 25 lbs.......................... $1.50  50 lbs.......................... $2.50
- 100 lbs.......................... 4.00

**TOBACCO STEMS.** For fumigating. In bales of about 100 lbs.
- 100 to 500 lbs. at $1.50 per 100 lbs.
- Over 500 lbs. at $1.20 per 100 lbs.

**TREE TANGLEFOOT.** A sticky substance applied directly to the bark to protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months.
- One pound will make a band 7 to 8 feet long and about 6 inches wide.
  - 1-lb. tin........$0.30  10-lb. tin........$2.65
  - 5-lb. tin......... 85  20-lb. tin......... 4.80

**WEED-KILLER, Pino-Lyptol.** This fluid absolutely destroys all the weeds and other growth wherever applied. Mix one part Pino-Lyptol with ten to fifteen parts water.
- 1 gal.......................... $1.50  5 gals.......................... $6.00
- 10-gals.......................... 11.00

**WEED-KILLER, Sterlingworth.** A powerful powder for destroying vegetation of all sorts on gravel walks. Also excellent for destroying poison ivy.
- 1-lb. box.................. $0.50  5-lb. box.................. $2.00

**X-L-ALL LIQUID INSECTICIDE.** An efficient preparation for spraying. Purely nicotine; harmless to very delicate plants; kills mealy bugs, red spider and all insect pests.
- Pt.................. $0.65  3/4 gal.................. $2.00
- Qt.......................... 1.20  1 gal.......................... 3.75

---

### High-Grade Fertilizers

**ALL NET CASH—PRICES SUBJECT TO CHANGE**

**THORBURN’S COMPLETE MANURE**

Guaranteed to contain ammonia, 3 per cent; available phosphoric acid, 8 per cent; actual potash, 3 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. Adapted for use on all crops, such as Corn, Tomatoes, Peas, etc., and is especially suited for grain crops. Use 1,200 to 1,500 pounds to the acre.

<table>
<thead>
<tr>
<th>In 167-lb. bags, per ton</th>
<th>$40.00</th>
<th>Bag of 100 lbs.</th>
<th>$2.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot; &quot; half-ton</td>
<td>21.00</td>
<td>50 lbs.</td>
<td>1.65</td>
</tr>
<tr>
<td>&quot; &quot; quarter-ton</td>
<td>11.00</td>
<td>25 lbs.</td>
<td>1.00</td>
</tr>
<tr>
<td>Single bag of 167 lbs.</td>
<td>4.00</td>
<td>10 lbs.</td>
<td>0.50</td>
</tr>
</tbody>
</table>

**Thorburn’s Lawn Fertilizer**

Guaranteed to contain ammonia, 5 per cent; available phosphoric acid, all soluble, 8 per cent; actual potash, 3 per cent; lime, sulphate of magnesia, soda, sulphuric acid, etc. Specially prepared for lawns and meadows as a top-dressing. Apply broadcast at a rate of 1,000 to 1,500 pounds to the acre.

<table>
<thead>
<tr>
<th>In 167-lb. bags, per ton</th>
<th>$45.00</th>
<th>Bag of 100 lbs.</th>
<th>$3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot; &quot; half-ton</td>
<td>24.00</td>
<td>50 lbs.</td>
<td>1.75</td>
</tr>
<tr>
<td>&quot; &quot; quarter-ton</td>
<td>13.00</td>
<td>25 lbs.</td>
<td>1.00</td>
</tr>
<tr>
<td>Single bag of 167 lbs.</td>
<td>5.00</td>
<td>10 lbs.</td>
<td>0.50</td>
</tr>
</tbody>
</table>
Ideal Potato Manure
Guaranteed to contain ammonia, 4 per cent; available phosphoric acid, 10 per cent; actual potash, 3 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. This manure is for special use on the potato crop, and is also adapted to Sweet Potatoes, Vines, Fruit Trees, etc. Use broadcast, about 1,500 lbs. to the acre.

In 167-lb. bags, per ton... $42 00
" " " half-ton... 22 00
" " " quarter-ton... 12 00
Single bags of 167 lbs... 4 50
Bag of 100 lbs... 3 00
50 lbs... 1 75
25 lbs... 1 00
10 lbs... 50

Agricultural Salt
For Asparagus beds, etc. In bags of about 200 lbs. Bag... $1 50 | Ton, about... $12 00
Not less than one bag sold.

Bonora
A fertilizer and plant-food combined.
2½-oz. pkgs... $0 15
1-lb. pkgs... 50
5-lb. pkgs... 2 50

Bowker's Ammoniated Food for Flowers
Excellent for use on house plants, being entirely odorless.
Small package... $0 15 | Large package... $0 25

Canada Hardwood Ashes
Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour, one and one-half to two tons to the acre.
Bag of 100 lbs... $1 75 | ½ ton... $14 00
Ton... 26 00

Clay's Celebrated Fertilizer
One of the best manures for all horticultural purposes, either in greenhouse or garden. Splendid for mixing with potting soil and as a top-dressing. Notwithstanding its apparently high price, it is quite economical.

PRICES IN BAGS

3/4 cwt. (14 lbs.)... $1 25
½ cwt. (28 lbs.)... 2 25
¼ cwt. (56 lbs.)... 4 00
1 cwt. (112 lbs.)... 7 00

Thompson's Vine Manure
Unrivalled for Vines, Tomatoes, Cucumbers, Fruit Trees and all foliage, flowering and fruit-bearing plants, also for vegetables and outdoor plants of every description. The result of many years' practical experience.

½ cwt. (56 lbs.)... $3 50 | Cwt. (112 lbs.)... $6 75

Pulverized Sheep Manure
(Sheephead Brand)
A rich, pure, natural manure. Excellent as a top-dressing for lawns. Its effect is immediate and lasting. There is nothing better for mixing with the soil for greenhouse plants—one part manure to six parts soil. It is recommended for the vegetable-garden, promoting a steady and rapid growth. It makes a rich and safe liquid manure—one pound to five gallons of water.

1-lb. pkg... $0 10 | 100 lbs... $2 00
5-lb. pkg... 25 | 3/4 ton... 9 00
25 lbs... 75 | 1/4 ton... 16 00
50 lbs... 1 25 | Ton... 30 00

Pulverized Limestone
A product that has an exceedingly wide sale among intelligent agriculturists, with the best of results. As a crop-producer we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable, and analyzes about 97 per cent carbonate. Bag of 100 lbs... $0 75 | ½ ton... $7 00
Ton... 12 00

Bone Fertilizers, etc.
Prices subject to change

Pure Ground Bone Meal, No. 1. Finely pulverized; excellent for rose-culture. It decomposes very rapidly, and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting.

5 lbs... $0 25
10 lbs... 40 | ½ ton... 10 00
25 lbs... 75 | ¼ ton... 18 00
50 lbs... 12 25 | Ton... 34 00

Ground Bone, No. 2. Coarser than the above; for top-dressing for lawns, and for garden and field crops.

100 lbs... $2 50 | ½ ton... $21 00
3/4 ton... 11 00 | Ton... 40 00

Ground Bone, No. 3. A little coarser than No. 2.

100 lbs... $2 75 | ½ ton... $23 00
3/4 ton... 12 00 | Ton... 44 00

Pure Raw Bone Meal, Swift's. Contains 4½ per cent ammonia, 23 per cent phosphoric acid and over 3½ per cent nitrogen.

100 lbs... $3 00 | ½ ton... $23 50
3/4 ton... 12 50 | Ton... 45 00

Leaf-Mold. Indispensable for Azaleas, Rhododendrons, etc. Bbl... $2.

Moss, Sphagnum. For filling Orchid baskets, etc., and for mixing with potting soil to conserve moisture. Bale of about 50 lbs... $2.

Peat, Orchid. For potting Orchids, etc. Barrel of about 50 lbs... $2.

Peat, Rotted. Fine for mixing with soil for potted plants such as Azaleas, Palms, etc. Barrel of about 140 lbs... $2.

Other Fertilizers
Prices subject to change

ACID PHOSPHATE... 100-lb. bag... $1 50, 200-lb. bag... $2 50, ton... $20
TANKAGE. (Blood and Bone Fertilizer)... 100-lb. bag... $3, 200-lb. bag... $5 50, ton... $40
IMPORTED SCOTCH SOOT... Bag of about 112 lbs... $3 50
NITRATE OF SODA... 5-lb. pkg. 30 cts., 10-lb. pkg. 50 cts., 25 lbs... $1 25, 50 lbs... $2, 100 lbs... $3 75
MURIATE OF POTASH. Price on application.

FARMOGERM. See page 61. Price of 5-ounce bottle now $6, instead of $9 as on page 61.
HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES

ALL NET CASH

ASPARAGUS BUNCHER, Acme. The most popular make. $2.

ASPARAGUS KNIVES.—
English. (Saw Blade.) $1.25.
Granite State. 35 cts.

ATOMIZER.
Large, $2.25. Small, $1.50.

BELLOWS, Woodason’s Double-Coned Powder. $3.25.
Single-Coned. Large, $2.25.
Small, $1.50.

JUMBO POWDER GUN. It is 4 inches in diameter, holds 4 ozs. of powder, and serves its purpose well. 25 cts.

BILL AND BRUSH HOOKS.
For heavy pruning.—English S-handle, $2.75. American. Long handle. $1.

BORDER SHEARS. See p. 135.

CARNATION SUPPORTS. Made of light wire, galvanized.
2-Ring
Per doz...... $0 60
Per 100...... 4 50
Per 1,000...... 40 00
3-Ring
Per doz...... 75
Per 100...... 5 00
Per 1,000...... 45 00

DIBBLES.—All Iron. 35c.
Wood Handle, brass point, 60 cts. Iron point, 35 cts.
Fertilizing. For putting fertilizers at the very roots of different plants. Small size, 30 cts.; large size, 40 cts.

DANDELION PULLER, Hall’s. 50 cts. each.

EDGING KNIVES, Grass, English. Each 8-in. $1.75 9-in. 2.00 10-in. 2.25 Without handle. Handles 15c. extra.

EXTENSION POLE GRIPS. 25c.

FLOWER-POTS. See page 137.

FORKS, Digging or Spading.
Best-quality, spear-point, diamond-back tines, Strapped handle, Long or D. Each 4-tine. $1.25 5-tine. 1.50
Hay, or Stable. First-quality oval tines. Extra-long strapped handle. 2-tine. 75 3-tine. 85 4-tine. 1.00
Manure, Long- or Short-handed. Strapped handle. 4-tine. 1.00 5-tine. 1.35 Extra-heavy diamond tines. 4-tine. 1.40 5-tine. 1.90
Ladies’ Weeding, English. Short trowel-handle. 75 Boys’ Spading. 4-tine. 75

FRUIT-PICKERS, Handy Andy. A simple device of two wire jaws bound in the form of a square cage with burlap. The jaws open and close with a spring on the end of the pole. A cloth tube is affixed to the pole, the end of which can be held in a box or barrel or other receptacle to catch the fruit, as it runs down. $1.50.

PERFECT. Galvanized steel wire; attaches to pole of any length. Price, without pole, 40 cts. Poles, for above, 15 cts. each.

GLAZING POINTS, The Tiger.
60 cts. per 1,000. Pincers, for above. 55 cts.

GLASS CUTTER, “Red Devil.”
Hand-honed wheels. Standard of the world. 4 styles. 10, 15, 25 and 50c ea.

GLOVES, Gardeners’, Goatskin. $1.

GRAFTING WAX. The best grade.
½-lb. pkg. $0.10 ¾-lb. pkg. 15 1-lb. pkg. 25

FUMIGATOR, “Eureka.” For fumigating with tobacco stems. Very best quality, heavy galvanized tin. Each No. 1 holds ½ pk.$1.50 No. 2 holds 1 pk... 2.00 No. 3 holds ½ bus. 2.50

FUMIGATOR, Lethorium. Improved metal vapor cone, for fumigating in greenhouses; very popular in England. The small candle (packed with each cone) has only to be lighted and placed on the ground in center of cone-frame for immediate results. No. 1, for 100 to 600 cubic feet, 50c.

GARDEN LINES, Finest Braided. 100 feet, 50 cts.

GARDEN REELS. For garden lines. Wrought-iron. Holds 100 ft., 60 cts.; larger size, $1.

GARDEN TOOLS for Ladies. Set of 3 pieces (spade, hoe and rake). $1.

G R A S S H O O K, or Corn Knife, Crescent. Adjustable. 35 cts.
HOSE NOZZLE, "Bordeaux." For ¼-in. pipe. 90 cts. each. Graduating Spray Nozzle. Will throw coarse or fine spray, or solid stream. ½-in., 50 cts. each.


HOSE BANDS, for couplings. To fit ½-in. hose, 50c. per doz. To fit ¾-in. hose, 60c. per doz. To fit 1-in. hose, 80c. per doz.

HOSE MENDER, Cooper’s. Brass; will not rust or wear. No fastening required. For hose with ½-in. bore, 6 cts. each, 70 cts. per doz. For hose with ¾-in. bore, 7 cts. each, 75 cts. per doz. For hose with 1-in. bore, 8 cts. each, 85 cts. per doz.

HOSE REELS, Tubular Iron. Never break or wear out.

No. 10 will hold 100 ft. of ¾-in. hose, $3.50. No. 20 will hold 150 ft. of ¾-in. hose, $4.50. No. 30 will hold 200 ft. of ¾-in. hose, $5.

HOTBED SASH. Best quality. Packing at cost.

Unglazed. 3 x 6 ft. for 10 x 12 glass. $1.25 each, $14 per doz. Glazed and Painted. 3 x 6 ft., 10 x 12 glass. $4 each, $40 per doz. Glazed and Painted. 3 x 6 ft., 10 x 12, extra-heavy glass. $4.75 each, $54 per doz.

HOTBED MATS for covering Sashes Made of jute, stitched through; hemmed with canvas and thickly padded; size, 76 inches by 76 inches; one mat covers two sashes.

No. 1. Both sides jute, $1.75 each, $19 per doz.

HOTBED MATS, continued

No. 2. One side jute, the other side waterproof duck. $2.35 each, $25 per doz.
No. 3. Both sides waterproof duck. $2.75 each, $30 per doz.

KNIVES, Saynor’s Celebrated English. Best make.

No. 918 No. 196 No. 187 No. 312 No. 80 $1.75 $2.25 $1.50 $1.50 $85c.
No. 400, $1.50. No. 401, $1.50 Saynor’s No. 343. Budding. 2 blades. $1.75. Saynor’s No. 403. Budding. Long-handled. $1.75. Westholm’s Combined Pruner and Budder. $1.25. Pruner only, 80 cts. H. & B. Budders, 2 blades. $1.

LABELS, Wooden, Pot and Garden.—

PLAIN — PAINTED

$0.10 | $0.10 | $0.10
3 ½-in. $0.15 | $0.50 | $0.15 | $0.85
4-in.      1.50 | 1.75 | 1.90
4 ½-in.    1.50 | 1.75 | 2.00
5-in.      2.00 | 2.50 | 2.50
6-in.      2.50 | 3.00 | 3.15
8-in.      3.50 | 5.00 | 4.00
12-in.     6.00 | 8.50 | 7.00
24-in.     10.00 | 15.00 | 9.00

Wooden, Notched Tree—

3 ½-in.
3 ½-in.
6-in.
6-in.
no wire. 25 2.50 30 2.75

Tree, Waterproof Flexible, Copper-wired. In boxes of 100 only, $1.50 per doz.

MEHLER’S HANDY GARDEN TOOL. One of the best tools for breaking the crust of the ground and weeding. $1.

All-Proof Tree Labels. "Blenheim Orange." 3-in., complete with rings. Per doz., 50 cents.
MASTICA GLAZING MACHINE. $1.25.

MASTICA. For use in the above machine. Qt. 40c., gal. $1.35.

MOLE TRAPS, Olmsted's Improved. A short trap, suitable for lawn or cold frames. Made from good-quality steel. Practically indestructible. $1.50 ea.

The Reddick. A powerful trap used principally on lawns. Easily set. Made of galvanized iron. It will catch moles when they are quite deep in the ground. As the points of the pin, are constantly in the ground, they cannot injure chickens or domestic animals. $1 each, $9.50 per doz.

Little Giant. A small trap made of galvanized iron. Will not get out of order; self-setting. 50 cts.

PENCILS. For writing garden labels.
Black. 5 cts. ea., 50 cts. per doz.
Wolf's Indelible. Imported from England. 15c. ea., $1.50 per doz.

PLANT DUSTER, Norton's. $1.

PLANT STAKES, Round, Painted Green.—Doz. 100
2 feet ......... $0.40 $0.25 $0.20
3 feet ......... 65 45 50
4 feet ......... 1.00 70
5 feet, extra heavy 1.50 11 00
6 feet, extra heavy 1.75 12 00

Heavy, Square, Tapering, Painted Green.—Doz. 100
2 feet ......... $0.30 $0.20 $0.00
3 feet ......... 55 40
4 feet ......... 85 60
5 feet ......... 1.15 8 00
6 feet ......... 1.35 10 00

Dahlia Poles, Painted Green, White Tops.—Doz. 100
2 feet ......... $0.55 $0.40 $0.00
3 feet ......... 85 6 00
4 feet ......... 1.25 9 00
5 feet ......... 1.50 11 00
6 feet ......... 1.75 12 50

Plant Stakes, Galvanized Wire, for Roses, etc.—Doz. 100
2 feet ............ $0.25 $0.15 $0.00
3 feet ............ 35 20
4 feet ............ 40 25
5 feet ............ 45 27

Japanese Bamboo. Bundles of 100 only. 6 ft., $1; 8 ft., $1.25.

PRUNERS, Waters' Long-handled Tree.—Each
4 feet ......... $0 75 8 ft. .... $1 00
6 feet ......... $1.50 10 feet .... 1 15
Extra Blades. ..... 25

PRUNING KNIFE, Orchard King. Will cut limbs up to 2 inches in diameter. $3 each.

Kansas. Automatic, strong, durable and a good time-saver. Has compound leverage, which greatly increases the power. $3 each.

PUTTY FOR GLAZING, Twemlow's Old English. Can be used with machine or bulb. $2 per gal.; 5- and 10-gal. buckets at $1.75 per gal.

RAFFIA, for tying. Per lb. 25 cts., 5 lbs. $1.10, 10 lbs. $2.

RAKES, English or Daisy. 16 teeth. $3.
18 teeth, $3.25
20 teeth, $3.50

Hay Rake, 3-bow. Wood. $0.35

The "Lawn" King Rake. Wood. Teeth very close. Will not tear sod. 26-teeth size. $0.45
38-teeth size. $0.65

Steel Garden Rake.—Each 14-teeth. $0.60
10-teeth. $0.50
12-teeth. $0.55
18-teeth. $0.75

Wire Lawn Rakes. Will not scratch the lawn. With handle. $0.50

SAWS. Little Giant Saw and Pruner Combined. The knife is operated with a cord, and is thrown back automatically with a spring. $1.75.

Saws, "One-Edge" Pruning. Narrow blade, gets among close branches; upper edge smooth, does not cut the upper limb. Each
16-in. ........... $0.70
18-in. ........... 80
20-in. ........... 90

Adjustable-Blade Pruning. Can be adjusted and used at any angle; cuts cleanly and rapidly; light and strong. $1.25.

Lightning Double-Edge Pruning.—Each
16-in. ........... $0.75
18-in. ........... 80
20-in. ........... 90

SAUCERS, Flower-Pot, Indurated Wood-Fiber. Light and durable. Not porous; will protect tables on which plants stand. Each
Doz.
6-inch .... $0.15 $1.65
8-inch .... 18 1.90
10-inch .... 20 2.20
12-inch .... 24 2.60
14-inch .... 30 3.30

SEEDERS, Cahoon. With practically a minimum of labor, will sow all kinds of grass and grain seeds. Will throw heavy seeds 20 feet each side of operator. $3.50 ea.

LITTLE GIANT. A smooth-running, well-made machine. $1.25.
SCYTHES.—
English Lawn, Riveted Back.
Light and thin, broad blades.
32-in., $1.50; 36-in., $1.75;
34-in., $1.60; 38-in., $1.85.

SCYTHE-SNATH, or Handle.
Patio Loop Heel. $1.

SCYTHE STONES.—
Round Dressed Talacre. Each
Norton's Emery. $0.25

SCISSORS, German Flower-gathering. Combined
flower-cutter, holder and wire-cutter. Spring pattern.
Each $1.00

Grape-Thinning, English.
6-in. 90
7-in. 1 25
8-in. 1 50

Shears, Pruning.
English Watch-Spring. $1.50 ea.
Perfection Pruning.
Each
No. 1, 6½ inches $1.75
No. 2, 7½ inches $2.00
No. 3, 8½ inches $2.50
No. 4, 9½ inches $3.00

Wiss Solid Steel Pruning.
Best American Shear.
Detachable blades. Each
9-in. $2.25
10-in. 2 50

English Hedge.
(Saynor.)
Plain Notch
8-in. $1.50 $2.00
9-in. 2.00 2.25
10-in. 2.25 2.50

Ideal. (English.)
8-in. 1.00 1.25
9-in. 1.25 1.50
10-in. 1.50 1.75

Wilkinson. (English.)
8-in. 1.50 1.75
9-in. 2.00 2.25
10-in. 2.25 2.50

Lawn Shears.
Each
9-in. $2.75
10-in. 3.00

HORITCULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

Pruning, or Flower-gathering. Ladies'. Nickel-plated, 75c ea.

English Border. For trimming grass around edges of paths, etc. Blades made of very high-quality steel. Handles 3 feet long.
Each
8-in. $2.25
9-in. 2.50
10-in. 3.00

Grass, "Trowel-Shank." American, full-polished, excellent steel. Trowel-like handles keep your knuckles out of the dirt. 90 cts each.

Thorburn's New Grass. This is the most practical Grass Shear manufactured. It can be taken apart to sharpen; best English steel. 7-in., $1.25.

English Lopping. For lopping off limbs and branches of trees, not over 1½ inches in diameter. Each
No. 3 $3.00
No. 4 3.50

SHEARs, continued

SHOVELS.—
Square Point.—
No. 2. Regulation long or Each D handle. $0.90
Ames No. 2. Long or D handle. 1 25
Boys'. D handle. 85

Round Point.—
No. 2. Long or D handle. 90
Ames No. 2. Long or D handle. 1 25

SPADES.—
Square Point No. 2. Regulation long or Each D handle. $0.90
Ames No. 2. Long or D handle 1 25
Boy's Spade, D handle. 85

Scoop, Vegetable. The best shovel for handling potatoes, apples, etc. Will not cut; dirt sifts out. Light weight. $2.


Sprayer for plants, etc. A small nickel-plated syringe or Sprayer, to be placed in a bottle; used for spraying with any kind of fumigating liquid or insecticide. 85 cts.

Sprinklers.—
Rubber Plant.
With large opening in neck; fills quickly; made of best white rubber.

Peck's Improved Lawn Sprinkler. May be attached to the hose and placed anywhere on the lawn. Stands 4 ft. high and distributes water over an area from 60 to 100 feet. 4-arm, $3 each; 8-arm, $3.50 each.

The "New" Comet. An adjustable revolving Sprinkler. Will sprinkle from 5 to 30 feet. Easily moved. The two arms may be set upright or at any angle. Weight 4½ lbs. $3.50 each.
HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

**Water Witch No. 3.** Scatters the water in fine drops and evenly over a circular area of from 25 to 40 feet. 35 cts. each.

**Water Witch No. 4.** Similar to No. 3, but having a stand instead of spike for holding it upright. 80c.

**Ring Sprinkler.** Has no revolving parts. The simplest Lawn Sprinkler. Made of good-quality brass. 75 cts. each.

**Automatic Lawn or Garden Sprinkler.** Nickel-plated, on 4-ft. stand. Sharpened iron bottom for sticking into soil, and hose connections complete. $5 each.

**Hotchkiss Lawn Sprinkler No. 55.** The most popular 3-arm Sprinkler on the market; made of brass, nickel-plated, with malleable iron runners. Will cover an area 30 feet in diameter. $1.25 each.

**Hotchkiss Lawn Sprinkler No. 65.** This combination Sprinkler and fountain is beautiful as well as useful. Brass and nickel-plated, with malleable iron runners. Will cover an area 40 feet in diameter. $1.75 each.

**Shower Sprinkler.** Mounted on holder for sprinkling lawns, or can be attached directly to garden hose for washing sidewalks, etc. Cannot clog or get out of order; will not rust. Standard 3/4-in. hose connection. 10 in. high. Holder and nozzle complete. $2.

**SYRINGES.** See pages 137, 138.

**TROWELS, Solid Steel.** Cheapest Trowel in the long run; light, strong, durable and perfect "hang;" handle cannot come off. Each 5-inch blade $0.40; 6-inch blade $0.50; 7-inch blade $0.60.

**Transplanting.** A perfect Trowel for transplanting and putting in bulbs; solid steel. 6-in. 15 cts.; 7-in. 20 cts.

**Turfing Iron, English.** An imported tool for lifting sod evenly, rapidly and without breaking. $4.50 each.

**THERMOMETERS.—Oxidized Metal Scale, Polished Back.** A Thermometer for house use, durable and well made. Tube magnifies and is easy to read. Each 8-in. $0.75; 10-in. $1.00; 12-in. $1.25.

**Japanned Tin Case.** A cheap thermometer for greenhouse use; all metal. 10-in., 40 cts. each. $1.25 per doz.

**Hotbed, New Style.** Copper sheathed. Tip can be removed and cleaned. $2.

**Mercury Bath, or Hotbed.** New. Quick-acting; all of metal. Cannot rust or break. $2.

**Hotbed and Mushroom Bed.** Brass-tipped point incloses the temperature bulb; it is simply thrust into the soil or bed. Best grade (made of boxwood), $1.75. Standard Grade (made of soft wood), $1.25.

**Tomato Supports.** Made of heavy wire, galvanized. 20c. each, $2 per doz.

**TORCH, Asbestos.** Very useful and simple. The only sure way to get rid of caterpillar nests on trees. Small size, 25 cts. each. Large size, 35 cts. each.
CATALOGUE OF HIGH-CLASS SEEDS

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

TREE BRUSH, Small Size. Fine wire bristles; useful for brushing young trees. $1.50 each.

Tree Brush. Wire. For older trees; can be used with long handle. Complete, $2.

TREE SCRAPER. For scraping diseased bark from trees, removing insect eggs, etc. 50 cts. each.

TREE-TUBS, New York Style. Made of cedar timber, painted green.

No. Diam. Height Each
1. 12 in...10½ in... $1.15
2. 13 in...12½ in... 1.50
3. 14½ in...14½ in... 2.55
3½ 16½ in...15½ in... 2.45
4. 19½ in...16½ in... 2.65
5. 22½ in...18½ in... 3.45

TWINE, Green Smilax. In 2-oz. balls, 75 cts. per lb.
Florist's Linen (Silkline)—Green or Gray. In 2-oz. reels, $1.25 per lb.

WATERING POT, French Model. Long spout, with brass joints, fitted with coarse and fine nozzles. Made of heavy galvanized iron, reinforced with steel rim.

Each
6-qt...$2.00
8-qt...2.25
10-qt...2.50
12-qt...3.00

WATERING POT, The "Philadelphia." With brass joints and two copper-faced roses.

Each
6-qt...$2.00
8-qt...2.25
10-qt...2.50
12-qt...3.00

Norcross Adjustable Cultivator. Made of first-class material, teeth forged from solid steel. Can be entirely taken apart, every piece being detachable. Works between the rows, or center tooth can be removed to staddle row. 85 cts. each.

WHEELBARROW, Thorburn's Garden. None better made. Iron braced and bolted. Finished in natural wood, red or green. Steel wheel, if desired, 50 cts. extra. Each No. 2, Small.............$3.00 No. 4, Medium.............4.00 No. 5, Large.............5.00

WEEDERS, Cleveland Lawn. Chisel blade; trigger holds weeds so they can be pulled out. 60c. each.

Excelsior Finger. Useful for loosening and pulverizing the soil. 10c.ca.,$1 per doz.

Lang's Hand. A strap over the finger keeps the tool in the hand while operator's fingers are left free. 20 cts. each, 2.25 per doz.

Eureka Hand. The prongs of solid forged steel are thin and long; fine for loosening soil. Short handle. 30 cts. each, $3 per doz.

Magic. Combined Weed-er and hoe. Fingers of tempered steel. The hoe is useful in loosening hard ground. 35 cts. each, 3.50 per doz.

SYRINGES

No. A. One spray rose and one jet. Length of barrel 12 in., diam. 1 in. $2.50 each.

No. G. One spray rose and one stream jet, side attachment and elbow-joint for sprinkling under foliage. Length of barrel 16 in., diam. 1½ in. $3 each.

No. H. Sheet brass with fixed spray rose; length of barrel 16 in., diam. 1½ in. $3 each.

No. 2. One coarse and one fine spray rose, and one jet, side attachment. $4.50 each.
SYRINGES, continued

No. 3. Large size. Has one stream and two spray roses, with side pieces on barrel. Length of barrel, 18 in., diam. 1 3/4 in. $6.50 each.

No. 4. Large size. Has jet and three rose sprays, two of which are kept in the handle. Length of barrel, 18 in., diam. 1 3/4 in. $7 each.

No. 6. Large size. Has one spray rose and gooseneck angle joint. turns in all directions, for washing the under surface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diam. 1 3/4 in. $8 each.

Spray Pump, Bucket

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream 50 feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an 8-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows. $3.75.

Continuous Spray Pump

Operates on the compressed-air principle and throws a continuous spray. Interchangeable brass nozzle—one to throw the spray straight ahead, and one to spray up or down. Capacity, one quart. Each Tin $1.00 Brass $1.50

"Pomona" Spray Pump

Of large capacity and exceptionally powerful. It is easily operated by one person when necessary, but is especially built for spraying with two leads of hose. The air-chamber is rather large, and enough air is stored up for a continuous spray for some time. Plunger, valves and all working parts are made of very good-quality brass. It can be quickly inserted or removed from the barrel. Its paddle agitator is far superior to the old return-discharge method of stirring. Adjustable to different-sized barrels. Pump only, with agitator, $15; fitted to barrel, $18.

Outfit C. Pump, agitator, one lead of discharge hose and spray nozzle, $18; fitted to barrel, $21.

Outfit D. Pump, agitator, two leads of discharge hose and two spray nozzles, $20; fitted to barrel, $23.

"Fruitall" Spray Pump

Same as Pomona, but smaller. Pump with agitator and one lead of 15 feet of 3/4-in. discharge hose, with spray nozzle, $10; fitted to barrel, $13.

Vaporizing Spray Pump, Hand

A very useful sprayer for a small garden. Simple and effective; no valves to get out of order. Made of tin or brass. Each Tin $0.75 Brass $1.00

"Auto-Spray" Spray Pump

A self-operating Sprayer of simple construction, durable, easy to carry and to work. Made of galvanized iron or solid brass, with 4-ply rubber hose. For spraying trees, cleaning windows, etc. A perfect pump.

With brass tank and stop-cock nozzle, hose and fittings, $7.50.

With galvanized iron tank and stop-cock nozzle, hose and fittings, $5.

Either kind of tank fitted with Auto-Pop nozzle, instead of stop-cock nozzle, 50 cts. extra.

Brass extension pipes, 2 feet long, 45 cts. Auto-Pop nozzle, if sold alone, $1.50.

Knap sack Spr ay Pump

FOR VINEYARD, ORCHARD AND FIELD SERVICE

Made entirely of brass and copper, with ball valves and metal plunger all easily accessible. The discharge is at the bottom, and the pump can be entirely drained of the liquid. It should be carried on the back with the straps crossed in front. The reservoir is made of heavy copper and will hold about five gallons. Complete with 3 1/2 feet of 3/4-inch discharge hose, Vermorel nozzle and lance for degorger, $13.50.
CATALOGUE OF HIGH-CLASS SEEDS

Water-Barrel, Truck and Barrel

The barrel is easily disconnected from the truck, either while full or empty. The following extra attachments can be furnished if required: (1) Box with trunnions and spring catch, forming a dumping hand-cart. (2) Sprinkler for watering walks and lawns. (3) Leaf-rack.

3-in. tires.................................................. Each $12.00
Truck and barrel, steel wheels, 3-in. tires.......................... $15.00
Sprinkler attachment, extra........................................ 3.25
Hand-cart box, extra........................................... 3.50
Leaf-rack, extra................................................ 5.90
Extra trunnions, per pair........................................ 5.00
Truck and trunnions, wooden wheels, without barrel............. 9.75
Truck and trunnions, steel wheels, without barrel.............. 12.75

Handy Grass Clipper and Lawn Trimmer

GREAT TIME-SAVER, INDISPENSABLE ON EVERY WELL-KEPT LAWN, MADE OF BEST MATERIALS THROUGHOUT

An implement designed to fill a long-felt want. It cuts a swath 5 inches wide and will pick the last blade of grass from around trees and shrubbery. Takes the place of the old-fashioned, unsatisfactory hand grass shears and entirely does away with the necessity of kneeling or stooping. It is self-sharpening and requires no attention except occasional oiling and adjusting. Price, $2.50 each.

The “Velvetlawn” Grass Seeder

18 inches wide

The use of a machine in the seeding of new lawns or grass plots, the re-seeding of old lawns, the drilling of grass seeds into putting-greens, and the renewing of grass plots every month or so has proved a decided success wherever it has been tried. The machine to do this work is the “Velvetlawn” Grass Seeder.

The cutting action of the discs relieves old sod of root-bound conditions by cultivating around the roots.

Each disc automatically conforms to inequalities in the ground.
The discs do not tear the soil; they cut it.
The operator can drill any amount of seed desired.
The “Velvetlawn” Grass Seeder puts the seed into the soil where the birds, wind and rain cannot get at it.
Every seed-trench contains an equal quantity.
Every feed is a force feed and sows the same amount.
“Velvetlawn” Grass Seeders are equipped with adjustable handle, thus insuring ease of operation for any height of man.
All of the seed being planted at an even depth in the soil, the plants must all come up at the same time, and make uniform growth. Price, $15.00 net cash.
Manufactured expressly for us, and is, in every respect, the BEST LAWN MOWER ever made.

The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-Bearing Lawn Mower is a marvel of simplicity, as one screw adjusts both bearings. It has a simple, self-adjusting device, which keeps the bearing properly adjusted for a long time, and a double interchangeable ratchet. By shifting handle bails from the front to the rear lugs on the side frame, the Mower can be made to cut terraces and steep banks.

While cheaper mowers are sold all over, they will be found far dearer in the end. It pays to get a good Mower.

**NET PRICES**

<table>
<thead>
<tr>
<th>Cut</th>
<th>Each</th>
<th>14-inch cut</th>
<th>$8.50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>16-inch cut</td>
<td>$9.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18-inch cut</td>
<td>$10.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20-inch cut</td>
<td>$11.50</td>
</tr>
</tbody>
</table>

The Best for Putting-Greens

**Chain Roller or Golf Mower**

This mower is made to meet the demand for a machine that will more perfectly cut borders, verges, etc., and yet retain all the other features necessary in a Mower for general work. Its great advantage is the substitution of a bicycle chain for the gears generally used in this style of Mower. This reduces the friction to a minimum. The machine with six blades is highly recommended for work on putting-greens.

**NET PRICES**

<table>
<thead>
<tr>
<th>Cut</th>
<th>4 Blades</th>
<th>6 Blades</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-inch cut</td>
<td>$12.00</td>
<td>$13.00</td>
</tr>
<tr>
<td>14-inch cut</td>
<td>$13.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>16-inch cut</td>
<td>$14.00</td>
<td>$15.00</td>
</tr>
<tr>
<td>18-inch cut</td>
<td>$16.00</td>
<td>$17.00</td>
</tr>
</tbody>
</table>

Improved Horse Lawn Mower

This well-known standard Mower has side draft attachment, to enable the horse to walk on the cut grass only, and caster-rollers which will not mark the lawn. Evenness of cut is assured 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.

**NET PRICES, free on board, New York**

<table>
<thead>
<tr>
<th>Cut</th>
<th>Each</th>
<th>25-inch cut, no shafts</th>
<th>$38.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>30-inch cut, complete</td>
<td>$65.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35-inch cut, complete</td>
<td>$78.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40-inch cut, complete</td>
<td>$95.00</td>
</tr>
</tbody>
</table>

**Horse Boots**

**PREVENT CUTTING UP THE TURF**

Made of very strong, heavy leather, closely riveted. Price, per set of four, $9.
Water-Ballast Roller

Roller-Bearing. Can Be Filled without Turning on End, with Either Water or Sand

(Patented)

SUITABLE FOR LAWS, TENNIS-COURTS AND PUTTING-GREENS. SEAMS ARE ELECTRIC-WELDED, NOT RIVETED

One- or two-section “Water Weight” Rollers, without counter-balancing handle-weights.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam. in.</th>
<th>Length in.</th>
<th>Sec-empty lbs.</th>
<th>Filled with water lbs.</th>
<th>Filled with sand lbs.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB3</td>
<td>14</td>
<td>20</td>
<td>1</td>
<td>60</td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>WB5</td>
<td>18</td>
<td>24</td>
<td>1</td>
<td>75</td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td>WB7</td>
<td>24</td>
<td>24</td>
<td>1</td>
<td>125</td>
<td>500</td>
<td>800</td>
</tr>
<tr>
<td>WB11</td>
<td>18</td>
<td>24</td>
<td>2</td>
<td>100</td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td>WB13</td>
<td>24</td>
<td>32</td>
<td>2</td>
<td>170</td>
<td>650</td>
<td>1000</td>
</tr>
</tbody>
</table>

If handle-weight is desired, add $1.50 to above prices.

Clark’s A5 Double-Action Cutaway Harrow

This Harrow will cut and reduce the toughest sod to plant-food without the aid of a plow. It will cut from 28 to 30 acres or will double-cut 15 acres in a day. It can be set so as to move the earth but little, or at so great an angle as to move all the earth one foot. It keeps the surface true and the machine runs true in line of draft. Price, $33 net, f. o. b. factory (Conn.).

Cutaway Grading or Smoothing, and Leveling Harrow

With this tool any field can be made smooth and the soil pulverized fine enough for a flower-bed. Will smooth an acre in twenty minutes. It is adjustable with a lever, by which the entire action is controlled by the driver, and he can remove at will all the earth possible for the team to haul, taking it from hills or uneven places and putting it into hollows, to level up field. For one horse (6 feet wide), $13.50. For two horses (8 feet wide), $15.50, f. o. b. factory (Conn.).

Coldwell’s Combination Roller and Motor Lawn Mower

This machine cuts a swath 40 inches wide, is equipped with a 2-horse-power motor capable of propelling the Mower through almost any height of lawn grass, and up grades as steep as 25 per cent. Price $475.

In our list of Horticultural Implements and Garden Requisites, beginning on page 132, will be found many things which will add to the pleasure of gardening.
"Planet Jr." Farm and Garden Tools

Illustrated catalogue describing fully many other "Planet Jr." tools mailed on application. Prices are quoted net F. O. B. New York.

"Planet Jr." No. 16 Single-Wheel Hoe, Cultivator, Rake and Plow

This Single-Wheel Hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

**EQUIPMENT**

<table>
<thead>
<tr>
<th>2 6-inch Hoes</th>
<th>1 7-inch Rake</th>
<th>1 Large Garden Plow</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Cultivator Teeth</td>
<td>1 4-inch Rake</td>
<td>1 Leaf Guard</td>
</tr>
<tr>
<td>Weight, 27 lbs.</td>
<td>Price, $5.85</td>
<td></td>
</tr>
</tbody>
</table>

"Planet Jr." No. 17 Single-Wheel Hoe

2 6-inch Hoes 3 Steel Cultivator Teeth 1 Leaf Lifter

Price, $5.

"Planet Jr." No. 3. Hill and Drill Seeder. Efficient hill dropping outfit. Complete .................................................. $10.50  
"Planet Jr." No. 4. Seeder, Wheel Hoe, Cultivator and Plow. Complete ................................................................. 11.00  
As a seeder only .......................................................... 9.00  
"Planet Jr." No. 8. Horse Hoe and Cultivator ................................. 9.00  
Without depth regulator .................................................. 8.50  
"Planet Jr." No. 11. Double-Wheel Hoe, Cultivator and Plow. Invaluable for use on all small crops ............................ 9.00  
"Planet Jr." No. 12. Double-Wheel Hoe, Cultivator and Plow. Identical with No. 11, except fewer attachments ........................... 7.00  
"Planet Jr." No. 13. Double-Wheel Hoe. Same as No. 12, but Hoe only ................................................................. 4.75  
"Planet Jr." No. 18. Single-Wheel Hoe. Equipped with Hoes only ................................................................. 3.50  
"Planet Jr." No. 25. Combined Hill and Drill Seeder, Double-Wheel Hoe, Cultivator and Plow. Large enough for field use ................................................................. 13.50  
"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. Complete ................................................................. 9.00  
With Lever Wheel only .......................................................... 7.40  
Without Wheel or Pulverizer .................................................. 6.20

The Townsend Lawn Mower, Golf Wonder (BALL-BEARING)

Especially designed for cutting putting-greens and fine lawns; runs easily at great speed. Chain and gear combined. 7 knives.

NET PRICES, F. O. B. NEW YORK

<table>
<thead>
<tr>
<th>16-inch cut</th>
<th>18-inch cut</th>
<th>20-inch cut</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18.00</td>
<td>$20.00</td>
<td>$22.00</td>
</tr>
</tbody>
</table>

Grass Catcher and Elevating Fan to fit any of the above sizes $3 extra

A patented device that elevates the cut grass easily and positively into a Catcher of sufficient depth to retain it. This is the only Catcher that will not permit the grass to shatter out. It may be easily lifted from its socket for emptying.
Thorburn's List of Vegetable Seeds

<table>
<thead>
<tr>
<th>Variety</th>
<th>Month</th>
<th>Cultivar</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swiss Chard</td>
<td>September</td>
<td>Thorburn's Chard</td>
<td>Large, smooth leaves</td>
</tr>
<tr>
<td>Iceberg Lettuce</td>
<td>October</td>
<td>Iceberg</td>
<td>Round, crisp</td>
</tr>
<tr>
<td>Green Bean</td>
<td>August</td>
<td>Green Bean</td>
<td>Pod is pale green</td>
</tr>
<tr>
<td>Radish</td>
<td>July</td>
<td>Early Packing</td>
<td>Early maturing, white root</td>
</tr>
<tr>
<td>Spinach</td>
<td>June</td>
<td>Green Gem</td>
<td>Early maturing, dark green</td>
</tr>
<tr>
<td>Brussels Sprout</td>
<td>May</td>
<td>Thorburn's Sprout</td>
<td>Early, large, dark green</td>
</tr>
<tr>
<td>Corn</td>
<td>May</td>
<td>Sweet Corn</td>
<td>Early, large, sweet</td>
</tr>
<tr>
<td>Tomato</td>
<td>April</td>
<td>Early Oregon</td>
<td>Early maturing, sweet</td>
</tr>
<tr>
<td>Cabbage</td>
<td>March</td>
<td>Early Tower</td>
<td>Large, round</td>
</tr>
</tbody>
</table>

*Note: Varieties may vary according to climate and location.*