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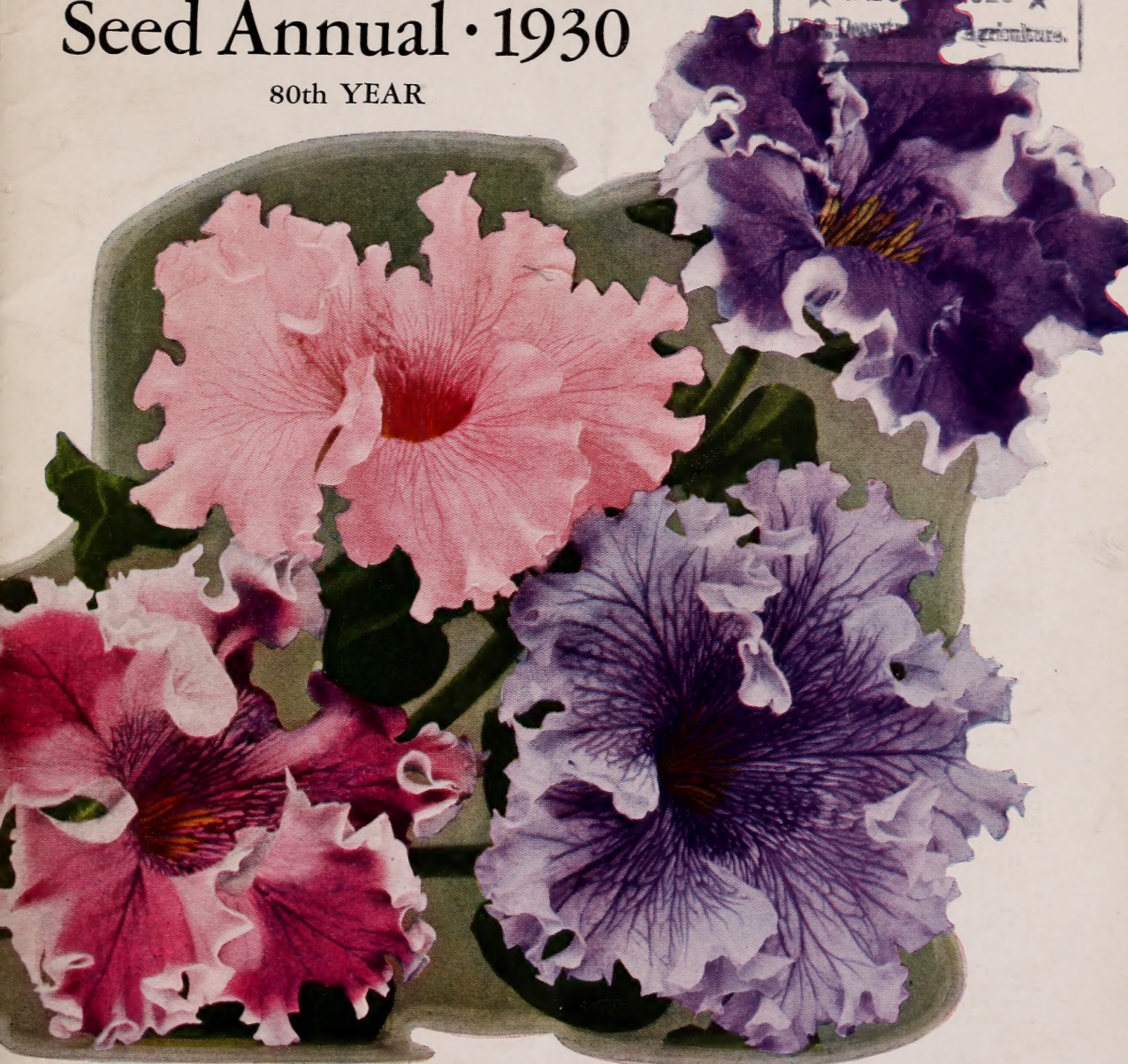
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LIVINGSTON'S

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The Department of Agriculture.

Seed Annual • 1930

80th YEAR



LIVINGSTON'S ELITE MIXTURE PETUNIAS. Packet 25 cts.
For description see page 23

THE LIVINGSTON SEED CO.

Famous for Best Seeds Since 1850

32-36 East Spring St. COLUMBUS, OHIO



Choice Flower Seed Collections

Livingston's Rainbow Collection of Choice Annual Flowers **75c**

Asters, Mixed
Bachelor's Buttons, Mixed
Candytuft, Mixed
Cosmos, Mixed
Dianthus, Mixed
Marigold, Mixed
Mignonette, Sweet
Nasturtium, Mixed
Pansy, Mixed

Petunia, Mixed
Phlox, Mixed
Poppies, Mixed
Portulaca, Mixed
Scabiosa, Mixed
Sweet Alyssum
Antirrhinum, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost \$1.

Collection, Perennial Flower Seeds **50c**

Aquilegia, Mixed
Campanula, Prize Mixed
Coreopsis lanceolata
Daisy, Shasta

Digitalis monstrosa
Pinks, Hardy Garden
Poppy, Large Oriental
Sweet William, Mixed

If purchased separately this collection would cost 75 cts.

Collection of Giant-flowered Antirrhinums **85c**

Copper King
Snowflake
Canary Bird
The Rose

Old-Gold
Purple King
Ruby

The above Collection is fully described on page 6

If purchased separately this collection would cost \$1.05

Livingston's Special Collection of Spencer Sweet Peas **50c**

Asta Ohn
Royal Purple
Warrior
White Spencer

Mrs. Tom Jones
Hercules
George Shawyer

The above Collection is fully described on page 27

If purchased separately this collection would cost 70 cts.

Cut-flower Collection **50c**

Asters, Mixed
Antirrhinum, Mixed
Calendula, Mixed
Zinnias, Dahlia-flowered

Helichrysum, Mixed
Larkspur, Mixed
Scabiosa, Mixed

If purchased separately this collection would cost 65 cts.

Exhibition Aster Collection **50c**

Sample's, Mixed
Ostrich Plume, Mixed
Crego, Mixed
Sensation

Peony-flowered, Mixed
Livingston's Superb, Mixed
King, Mixed

If purchased separately this collection would cost 70 cts.

Bright Array Collection **35c**

Alyssum, Sweet
Aster, Mixed
Candytuft, Mixed
Nasturtium, Mixed

Pansy, Mixed
Phlox, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost 50 cts.

Collection of Large-flowering Scabiosa **60c**

Azure Fairy
Snowball
Flesh
Cherry-Red

Fiery Red
Golden Yellow
Lilac
Black Prince

If purchased separately this collection would cost 80 cts.

Collection of Dahlia-flowered Zinnias **\$1.75**

Exquisite
Golden State
Polar Bear
Crimson Monarch
Purple Prince

Oriole
Scarlet Flame
Lemon Beauty
Dream

If purchased separately this collection would cost \$2.25

FOR VEGETABLE COLLECTION SEE THIRD PAGE OF COVER

BY ALL MEANS HAVE A

Rock- Garden

OR

Rockery

As they have become very
popular recently



Why not a Rock-Garden like this in a corner somewhere?

You need not be deterred from having one on account of expense, as you may make a beginning with only a few stones gathered, if need be, here and there along the roadside or stream, when out diving. The Rock-Garden may be extended almost indefinitely, space permitting, and the more elaborate Rockery, as illustrated below, is something to look forward to, if it should seem impossible to attain the first season. The waterfall effect may be easily accomplished by secreting the open end of the garden hose at the top of the rockery and allowing the water to run a part of the day. Some of the varieties which are well adapted to Rock-Gardens are as follows, although many others will do equally well. Look up some of these varieties throughout the Catalogue.

1329 *Alyssum saxatile*. Pkt. 5 cts.

1354 *Aquilegia*, Long-spurred Single. Pkt. 10 cts.

1369 *Arenaria montana*. Pkt. 10 cts.

1556 *Candytuft gibraltaria*. Pkt. 10 cts.

1746 *Dianthus* (Cheddar Pink). Pkt. 10 cts.

1874 *Gypsophila repens*. Pkt. 10 cts.

1895 *Heuchera sanguinea*. Pkt. 10 cts.

2263 *Petunia*, Balcony Mixed. Pkt. 15 cts.

2265 *Phlox*. Pkt. 10 cts.

2401 *Sanvitalia procumbens*. Pkt. 10 cts.

2432 *Saxifraga*. Pkt. 15 cts.

2658 *Valeriana*. Pkt. 5 cts.

The cost of the seeds for a Rockery is a small item. The above suggested list, amounting to \$1.20, will be sent for \$1, postpaid.

Children's Flower-Garden Mixture

2740 Extra-Choice Mixture. Especially adapted for producing a display in large borders, or sowing along woodland walks, railroad embankments, for hiding an unsightly fence, stump, etc. Nothing in the way of flowers delights children more than this Wild Garden, chiefly because they can be allowed to pick their own bouquets without stint. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts.



A Rock-Garden like this one is worth while

Largest Percentage of Successful Crops Our Aim

The cost of seed is trifling as compared to the value of the crop, if the seed is true. It has been our constant aim, for years, to have every variety true to name and description. Years of experience in growing and contracting with specialists, together with trial-grounds on our own farm, give us confidence in offering seeds of exceptional merit. There are none that excel, and few that equal our stock in a general way. We have a large trade with market gardeners at all important centers in the Middle West, and they must have the best in order to succeed. Let us have your order this season, and we are sure you will be pleased with a garden from Livingston's "True Blue" Seeds.

PROMISING SORTS TO TRY.—Sunshine Asters, Jennie Schneider Antirrhinum, Wrexham (Hollyhock Strain) Delphinium, Portola Gailardia, Empress Rose Larkspur, Princess Victoria Louise Poppy, and Swiss Giant Pansy. In vegetable seeds, Italian Green Sprouting Broccoli, Gill's Early Market Sweet Corn, White Big Boston Lettuce, Livingston's Selwel Radish, Long-standing Bloomsdale Spinach, Livingston's Ideal, Ohio Red and Oxheart Tomatoes.

You will find all of the above varieties listed under the several headings throughout this Catalogue.

In true and tried varieties, there is plenty to choose from. It's hard to miss getting a good sort.

Read the following letters, from customers of many years' standing, and be assured of a reliable place to buy seeds

MRS. BELL GENTER, Buchanan County, Iowa, writes: *It is now 33 years since I got your seeds first, and my mother got the first seeds of you in the spring of 1875 so you see we have used your seeds a long time.*

MRS. JAMES WIANDT, Tuscarawas County, Ohio, writes: *Your seeds are sure true to name—"True Blue." Could not ask for any better in quality and promptness.*

WILLIAM BYE, Summit County, Ohio, writes: *I have bought seeds of you for years and have always found them good. I am 83 years old and expect to use them as long as I am able to work.*

J. W. CARROLL, Jasper County, Missouri, writes: *Received the order of seeds O. K. I must say I have been very much pleased with the growth of seed received from you. All have been very good and true to name.*

MRS. C. L. FARLEY, Noble County, Ohio, writes: *Have been using your garden seeds for several years. They have always given satisfaction, but I knew what they were because my father sold your seeds years ago, and always found them reliable.*

DENNY FLORAL CO., Putnam County, Indiana, writes: *Seeds received O. K. and sure glad we can get "True Blue" Seeds.*

Important Suggestions

By Carefully Observing the Following Directions, Mistakes and Misunderstandings Will Be Very Largely Avoided

Always Use the Order Blank and envelope sent with this Catalogue when possible. Write plainly, keep a copy of your order, and be sure to sign your name, post office, county, and state every time you write to us. Extra envelopes and blanks will be sent on application, also additional Catalogues, if desired.

SEND MONEY. Remittance should always accompany the order. Remittances may be made at our risk by any of the following methods (1st and best) **Post Office Order**; (2d) **Bank Draft**; (3d) **Express Company Money Order**; (4th) **Cash by Express in amounts not less than \$5**; (5th) **Registered Letters.**

OUR PRICES. In comparing our mail prices with others, especially on the heavy seeds—Peas, Beans and Corn—in quantities up to and including two pounds, and on other seeds up to and including one pound, bear in mind that we pay the postage (except to foreign countries) unless otherwise noted.

ORDER EARLY. It is important to order as soon after you get the Catalogue as convenient, then you will have your seeds at hand for planting when you want them.

LARGE ORDERS. Any dealer, market gardener, institution, or any individual wishing seeds in large quantities is requested to mail us a list of what is wanted and we will promptly return it to them with the very lowest prices marked. A letter of inquiry may save you dollars if you want to buy in quantity.

SMALL ORDERS. If you want only a single packet, do not hesitate to order it. We take as much pains with small orders as with a large one. Small "True Blue" Seed orders are sure to grow larger.

SHIPPING ORDERS. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment in routing.

BE FREE TO WRITE US for any information pertaining to our business, on a separate sheet of paper from your order, as your letter goes to the general office and your order to mail, express, or other departments.

OUR SEED ANNUAL. Please show this Seed Annual to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds, who will be pleased to get it. We will be glad to send a copy free to any of your friends likely to want seeds. In return we will ask you to speak a good word for us to your friends and neighbors.

CHANGE OF ADDRESS. If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual at your new post office. Be sure to give old address as well as the new.

EVERY YEAR we receive a great many orders with no name signed and consequently cannot tell to whom to address the order. Please be sure to sign your name and give your complete address each time you order.

NON-WARRANTY. There are contingencies continually arising to prevent the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore we, The Livingston Seed Company, give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. We test all our seeds before sending them to our customers, and should they fail to grow if promptly and properly tested by the customer, will replace the same amount or give value in others.

SEEDS BY MAIL. Sending seeds by mail is a very important branch of our business, and we are well prepared to fill orders promptly and correctly the day they are received in nearly all cases.

PARCEL POST RATES. Below we give a table showing Parcel Post rates of the different zones. Ask your postman what zone you are in from Columbus and you can then figure the necessary postage on your order. You will note that each zone is so much for the first pound and so much for each additional pound. Example: 4th zone .08 and .04. If you live in the 4th zone and want to order 10 pounds of seed, the first pound would be 8 cents and the remainder would be at 4 cents per pound, the 4th zone rate for each additional pound, or 44 cents postage for the 10 pounds. See table. You will note we give under each zone the cost of the first pound and of each additional pound.

1st & 2nd Zone	3rd Zone	4th Zone	5th Zone	6th Zone	7th Zone	8th Zone
.07 & .01	.08 & .02	.08 & .04	.09 & .06	.10 & .08	.12 & .10	.13 & .12

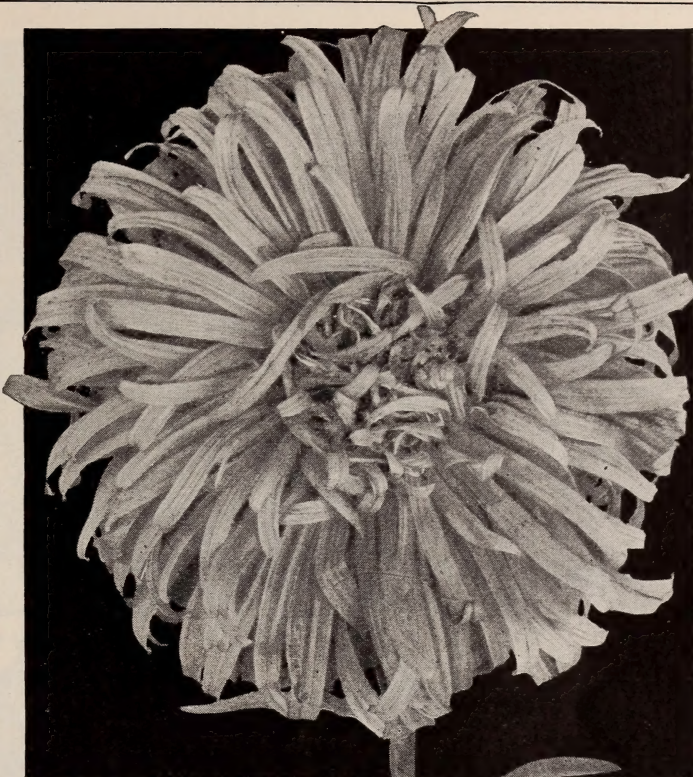
Flower Seed Department

Our list of flower seeds will be found to contain all sorts of real merit. Many times varieties are listed which are of no value and so difficult to grow that unless one has every facility for propagation, disappointment is sure to follow. We want our seeds to give satisfaction and prefer not to have a very extended list, rather than to cause disappointment in any of the varieties procured. Cultural directions will be found on most of our seed packets. We will also give free to customers, on application, a very instructive and helpful leaflet "Annuals from Seeds."

Annuals bloom and ripen their seed the first year, then die. Among these are Asters, Balsams, Mignonette, Sweet Peas, Nasturtiums, Morning-Glories, and many other very brilliant and fragrant sorts.

Biennials from seed generally bloom the second year, then die. Some varieties, if planted early, bloom the first season and therefore are treated as annuals.

Perennials endure northern winters with little or no protection and live and bloom several years. Most of the perennials will bloom the first year if started early in the spring. Hollyhocks, Columbines, Larkspurs, Foxgloves, Poppies, etc., are in this class.



Giants of California. Pkt. 25 cts.

Livingston's Superb Asters

There are few flowers that make a better show in the fall than Asters. They are, perhaps, the most popular annual flower grown, and justly so on account of their ease of culture, season of bloom, and lasting qualities, both in the garden and as cut-flowers. To be able to cut Asters abundantly and over the longest possible period, you should make several sowings of the early-midseason and late-flowering types. Sow the seed in shallow boxes in the house or in the hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle; and plant to permanent beds in May. The second sowing can be made in the coldframe the latter part of April. The third sowing should be made the latter part of May. Set the plants of early varieties 10 inches apart in the row, and those of the later varieties 15 to 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary. Our extensive trials and personal inspection of hundreds of acres each season has given us the opportunity to select what we believe to be the cream of all Asters. In the following list you will find not only the standard varieties of merit, but many of the newer sorts which are sure to please. We know that you cannot buy better seed, as our stocks are all grown for us by Aster specialists.

Giants of California. Improved. This remarkable Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type of Aster, stands at the head of the list. The introducer says: "It has not only received favorable mention by the Royal Horticultural Society of Great Britain, but has been awarded prizes whenever exhibited in flower shows in various parts of the world." We offer this remarkable New Aster in separate colors and mixture.

	Pkt.	1/2oz.
1460 White. Very large.....	\$0 25	\$0 65
1461 Light Blue. Very delicate.....	25	65
1462 Deep Rose. Rich shade.....	25	65
1463 Dark Purple. Very distinct.....	25	65

Collection: One pkt. each above 4 colors, 90 cts.

1464 Mixed. Above and others. Pkt. 25 cts., 1/2oz. 65 cts.

Astermum. A strain of Comet Asters which closely resemble a Japanese chrysanthemum.

	Pkt.	1/2oz.
1434 White.....	\$0 10	\$0 35
1435 Rose.....	10	35
1436 Lavender.....	10	35

Collection: One pkt. each above 3 colors, 25 cts.

1438 Mixed. This mixture is well blended with all the colors in Astermums. Pkt. 10 cts., 1/2oz. 35 cts.

Rochester Asters. The Rochester Asters, like those of the Late Branching variety, are large, with many long, strong branches. The flowers of the Comet type have long, narrow petals, gracefully curved, giving them a lightness and grace that makes them the most artistic of all Asters.

	Pkt.	1/2oz.
1493 Shell-Pink.....	\$0 10	\$0 45
1483 White.....	10	45
1484 Purple.....	10	45
1495 Lavender.....	10	45
1482 Mixed. All colors.....	10	40

Collection: One pkt. each above 4 colors, 30 cts.

King. The habit of growth of this Aster is similar to the branching type, growing vigorously about 2 1/2 feet high; has long stiff stems. In form the flower is entirely new and distinct from any other variety; round, full and very large, many of the flowers measuring from 4 to 5 inches in diameter. Petals somewhat resemble the quilled varieties, but are much longer and broader.

	Pkt.	1/2oz.
1378 White King. A recent introduction.....	\$0 10	\$0 35
1379 Pink King. Blush-pink.....	10	35
1380 Violet King. Soft violet-purple.....	10	35
1381 Rose King. Brilliant rose.....	10	35
1382 Mixed King. Above colors.....	10	30

Collection: King Asters, 1 pkt. each above 4 colors, 30c.

Use Ever Green, the new nonpoisonous insecticide.
See page 69



American Beauty Aster. Pkt. 10 cts.

American Beauty. The plants are of very strong, vigorous growth, from 2 to 3 feet high. Commencing to bloom in early September, they last until destroyed by frost. The large flowers, of the Semple's type, are borne on long, stiff stems often measuring 2 feet. (See photograph above.)

	Pkt.	1/8oz.
1392 Lavender. Light grayish lavender.	\$0 10	\$0 40
1393 September Beauty. Flesh-pink.	10	40
1394 Purple. Fine deep purple.	10	40
1395 White. Giant glistening white.	10	40
1399 Carmine-Rose. (Original Beauty).	10	40

Collection: One pkt. each above 5 colors, 40 cts.

1396 Mixed. All colors. Pkt. 10 cts., 1/8oz. 40 cts.

1390 **Truffaut's Peony-Flowered.** Mixed Colors.

The improved strains of this grand Aster are considered the finest in cultivation. The large, perfectly double flowers are fine. Height, 2 feet. Fine assortment. Pkt. 10 cts., 1/8oz. 40c.

Giant Ostrich Plume. A very large-flowering class, the blooms of which resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger.

1417 White, 1418 Rose-Pink, 1420 Azure-Blue, 1421 Lavender, 1422 Dark Blue, 1423 Crimson. Pkt. 10 cts., 1/8oz. 35 cts.

1416 Mixed Colors. Pkt. 10 cts., 1/8oz. 35 cts.

Collection: Giant Ostrich Plume, 6 separate colors, 50 cts.

Daybreak. A distinct American class. The plants are erect in habit of growth and attain a height of 18 to 20 inches. The flowers (about 2 1/2 inches in diameter) are ball-like in form, with incurved petals. Blooms in August; excellent for beds or cutting.

1387 Mixed. This mixture includes all the colors in the Daybreak type. Pkt. 10 cts., 1/8oz. 50 cts.

Crego Asters. The Crego blooms just ahead of the Late Branching Asters, and being of Comet type, affords variety in the garden.

	Pkt.	1/8oz.
1407 Purple. Rich purple.	\$0 10	\$0 35
1408 White. Pure white.	10	35
1409 Pink. Beautiful pink.	10	35
1414 Lavender. Rich.	10	35
1419 Mixed. All colors.	10	35

Collection: Crego Asters, 1 pkt. each above 4 colors, 30 cts.

Queen of the Market. About two to three weeks

earlier than most other Asters. They bloom profusely and are of graceful habit. Their shape is very similar to Semple's Giant Branching Aster. The perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. Height, 1 1/2 feet.

	Pkt.	1/8oz.
1440 Mixed Colors. All colors in finest mixture.	\$0 10	\$0 30
1441 Scarlet. Brilliant scarlet.	10	30
1442 Pink. Beautiful pink.	10	30
1443 Crimson. Rich crimson.	10	30
1444 White. Pure white.	10	30
1445 Dark Blue. Beautiful.	10	30
1446 Light Blue. Sky-blue.	10	30

Collection: 6 separate colors, 50 cts.

1398 **Sensation.** This is the darkest red of all

Asters. The plant averages about 1 1/2 feet high and is of the true branching type. Stems are long and stiff, making it ideal for cutting. The flower is very double and averages about 3 inches in diameter. On account of the deep, velvety red color of Sensation, it is exceptionally fine for either bedding or border. Pkt. 10 cts., 1/8oz. 45 cts.

Royal. Without doubt one of the best early-flowering sorts.

It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market.

1491 Mixed. This mixture is well blended. Pkt. 10 cts., 1/8oz. 35 cts.

1406 **PEERLESS PINK.** The introducers of this variety state that it is midway between Crego and the Late Branching varieties and of a beautiful shade of pink. It blooms a little ahead of the Late Branching and produces its flowers on long stems. Pkt. 10 cts., 1/8oz. 45c.

1425 **LAVENDER GEM.** The flowers are of a true lavender shade and the petals are gracefully twisted and curled. Pkt. 10 cts., 1/8oz. 35 cts.

Livingston's Superb Mixture of Giant Asters

A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in color, perfect in form

1490 This mixture includes the cream of all the Asters of the most beautiful forms and brilliant colors. Our special strain has been especially selected from the finest, large-sized, double-flowering types. Height, about 2 feet. Pkt. 15 cts., 1/8oz. 40 cts.

MARY E. BERKEY, Somerset County, Pennsylvania, writes: We have had your Aster Collection for a few years. We think the Asters are extra fine. Everybody who sees our Asters thinks they are nicer than they ever saw.

MRS. DANA F. ANGIER, Washington, D. C., writes: My order for flower seeds, amounting to \$1.05 was received a few days ago, and I wish to compliment you upon your promptness in filling this small order.

Use HOTKAPS to Protect Your Plants
See page 68



Semple's Giant Branching Asters. Pkt. 10 cts.

Semple's Giant Late Branching. Without question, the finest Aster grown. It has size, vigor, fine stem, beauty of form and varied color to recommend it, and, while not so early as many of the other varieties, it stands at the head of the list both for the home-garden and as a florist's flower.

1400 Finest Mixed Colors. All shades and colors.....	Pkt. 10	1/2oz. \$0 30
1401 Lavender	10	35
1402 Royal Purple	10	35
1403 Pure White	10	35
1404 Crimson	10	35
1405 Shell-Pink	10	35

Collection: Semple's Giant Asters, 5 above sorts, 40c.

1397 **Heart of France.** The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit; stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the midseason varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts., 1/2oz. 45 cts.

1388 **Silvery Rose.** This new, large-flowering, long-stemmed variety is unique in color, yet harmonizes well with almost all other shades. Every petal is a combination of deep lilac-rose, almost cerise, very delicately threaded with white; the threads are so tiny as to give the petals a silvery sheen; the slightest change in light will shade the petals from a rich rose cerise to a silvery rose. Pkt. 15 cts., 1/2oz. 50 cts.

Sunshine Asters. A most attractive new type with strong, sturdy plants that throw up long flower-stalks, making wonderful cut-flowers. The large, beautiful flowers have twisted and quilled petals with a cushion center of tiny quills of a contrasting color which makes the flower look as if it were covered with tiny snowflakes.

1450 Sunshine, White	Pkt. 25	1/2oz. \$0 75
1451 Sunshine, Blue	25	75
1452 Sunshine, Pink	25	75
1454 Sunshine, Lilac	25	75

Collection: One pkt. each above 4 colors, 85 cts.
1456 **Sunshine, Mixed.** All colors. Pkt. 20c., 1/2oz. 75c.

WILLIAM OTTO, Westchester Co., N. Y., writes: *Everybody raved over my Exhibition Asters bought from you last year.*



Sunshine Aster. Pkt. 25 cts.

Livingston's Exhibition Aster Collection

This magnificent collection contains the finest and most complete assortment of mammoth-flowering Asters it is possible to offer—the newest kinds, all colors, all varieties; early and late, the symmetrical globe-shaped and the fluffy chrysanthemum sorts.

One packet each, **Semple's Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Crego, Mixed; Truffaut's Peony-Flowered, Mixed; Livingston's Superb Mixture of Giant Asters; King Mixed; Sensation;** all for 50 cts., postpaid. At regular rates these seeds would cost 75 cts.

ASTER CULTURE leaflet with each collection.



Antirrhinum (Snapdragon)

Giant-flowered Antirrhinum (Snapdragon)

Whether used for cutting or for show in the garden, it is one of the most valuable flowers grown. The beautifully colored flowers are borne on long stems. Seed sown the first week in May will bloom from July until frost. If earlier flowers are desired, start in the house and transplant to the beds where they are to bloom, when the weather becomes warm.

1340 **JENNIE SCHNEIDER.** A beautiful new, rose-pink, early forcing variety. Pkt. \$1.
1338 **GENEVA PINK.** The plants are of robust growth, carrying spikes of large, beautiful, glistening rose-pink flowers well set along the stem. One of the best for growing under glass and also well adapted for outdoor culture. Pkt. 50 cts., $\frac{1}{2}$ oz. \$1.25, $\frac{1}{16}$ oz. \$2.25.

Giant-flowered Maximum. This wonderful new group of Antirrhinums far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size, closely placed on long stems. The group, as a whole, is slightly variable in size and color.

1332 **Old Gold.** Deep golden yellow. A1335 **Ruby.** Rich, velvety ruby-red.
1333 **Canary Bird.** Canary-yellow. 1336 **The Rose.** Begonia-rose.
1334 **Purple King.** Deep glowing purple. 1337 **Snowflake.** Pure white, yellow lip.
1335 **Copper King.** Velvety copper-scarlet.

Prices of above 7 varieties, each, pkt. 15 cts., $\frac{1}{16}$ oz. 40 cts.

COLLECTION: Giant Maximum Antirrhinum, 1 pkt. each above 7 colors, 85 cts.

1350 **LIVINGSTON'S GIANT-FLOWERING, MIXED.** In this mixture of Giant-flowering Maximum Antirrhinums will be found every desirable color and shade in this wonderful class. The individual flowers, as well as the flower-spikes, are truly of giant size. Pkt. 15 cts., $\frac{1}{16}$ oz. 35 cts., $\frac{1}{2}$ oz. 65 cts.

1352 **SILVER PINK.** A beautiful shade of pearly pink. Pkt. 15 cts., $\frac{1}{16}$ oz. 30 cts.

1346 **LARGE-FLOWERING MAJUS, MIXED.** An elegant assortment of innumerable rich colors and shades. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Aquilegia (Columbine)

Exceedingly showy, early blooming, hardy plants; always favorites, and of easiest culture. They delight in the moister portion of the garden. The range of colors and shades has been largely increased. Hardy perennial. Height, $1\frac{1}{2}$ to 2 feet.

1354 **Long-spurred Single Hybrids.** This splendid mixture of Long-spurred Aquilegias will be found very superior. The very elegant, large, brilliantly colored long-spurred flowers range through every shade known in Aquilegias. Pkt. 10c., $\frac{1}{2}$ oz. 45c.

1355 **Mrs. Scott Elliott's Strain of Long-spurred Hybrids.** This strain has received many awards. The blooms are of large size and the spurs very long. Colors range through a most harmonious number of shades seldom seen in other flowers. There are no jarring tints. Pkt. 20 cts., $\frac{1}{16}$ oz. 75 cts.

1356 **New Long-spurred Rose Queen.** A beautiful variety, producing large, long-spurred flowers, shading from light pink to dark rose, with white center and yellow anthers. Pkt. 15 cts.

1365 **Chrysantha.** A clear long-spurred yellow. Pkt. 10 cts.

1368 **Cærulea.** A beautiful blue. Pkt. 10 cts.

1360 **Double Varieties, Mixed.** Pkt. 5 cts., $\frac{1}{2}$ oz. 20 cts.

1362 **Single Varieties, Mixed.** Pkt. 5 cts., $\frac{1}{2}$ oz. 20 cts.

Asparagus

1372 **Plumosus nanus (Climbing Lace Fern).** One of the prettiest house plants. Is indispensable for bouquets, and very lasting. Half-hardy. Pkt. (10 seeds) 15 cts., 25 seeds 30 cts.

1374 **Sprengeri (Emerald Feather).** Beautiful for either pot culture or hanging-baskets. Grows freely all the year; a popular house plant. Pkt. (15 seeds) 10 cts., 100 seeds 40 cts.

Arctotis (African Daisy)

1376 **Grandis.** A useful and charming cut-flower from June till frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the under-surface of pale lilac-blue. Grows 2 to 3 feet. Pkt. 10c., $\frac{1}{2}$ oz. 20c.

Ageratum (Floss Flower)

Blooms profusely all summer; splendid for cut-flowers, borders, ribbon beds, etc. Half-hardy annual.

1312 **PERFECTION BLUE.** Splendid large heads of deep amethyst-blue. Compact growth, 9 inches high. Deepest colored Ageratum. Fine border. Pkt. 10c., $\frac{1}{8}$ oz. 25 cts.

1316 **Little Blue Star.** Very dwarf, bushy growth, covered with bright blue flowers. Very fine for edging. Pkt. 25 cts., $\frac{1}{16}$ oz. 50 cts.

1320 **Mexicanum.** Lavender-blue. $1\frac{1}{2}$ ft. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts.

1321 **FINEST MIXED.** Splendid. Pkt. 5 cts., $\frac{1}{2}$ oz. 20 cts.



Aquilegia, Long-spurred Hybrids

Alyssum

One of the sweet-scented flowers that should be in every garden. An easily grown annual, fine for beds, edgings or for cutting. In bloom all summer and the greater part of fall.

- 1325 **Sweet Alyssum** (*A. maritimum*). One of the most popular of our hardy annuals. Blooms continually from earliest summer until frost. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 40 cts.
- 1327 **LITTLE GEM** or **CARPET OF SNOW**. A dwarf, very compact-growing variety. While only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter, and form a solid mass of snow-white flowers of delicious fragrance. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts., oz. 85 cts.
- 1329 **Saxatile compactum** (**Golden Saxatile** or **Basket of Gold**). A hardy perennial variety; flowers are a most brilliant golden yellow. Fine for rock-work. Height, 9 inches. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.
- 1330 **LILAC QUEEN**. Of compact habit. The pretty, deep lavender-lilac flowers are borne in great profusion. Valuable for the border. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{4}$ oz. 35 cts.

- 1369 **ARENARIA montana**. Adapted to rockeries. Grows in tufts about 6 inches high, and is covered with small white flowers during May and June. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

Balsam

- 1500 **LIVINGSTON'S PREMIUM, FINEST MIXED**. Our strain is unsurpassed. The large, double flowers are as fine as the most elegant camellia. The size, fine form, varied and brilliant colors of our Premium Balsams are greatly admired. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.
- 1504 **Double Camellia-Flowered, Finest Mixed**. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.
- 1515 **Double Mixed Balsam**. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

- 1518 **BALSAM APPLE and PEAR** (*Momordica*), **Mixed**. Very curious vine with ornamental foliage. Its large, golden yellow fruit opens when ripe and shows its brilliant blood-red interior. Mixed, pkt. 5 cts., $\frac{1}{4}$ oz. 35c.

- 1522 **BEGONIA gracilis luminosa**. A brilliant, fiery dark scarlet. The plant is of sturdy growth, forming dense bushes 1 foot high, completely hidden with flowers from May until frost. Should be started indoors or in a hotbed. Pkt. 25 cts.
- 1523 **Finest Mixed**. Our strain contains a great variety of colors, both in flowers and foliage. A superior assortment. Pkt. 10 cts.
- 1524 **Vernon**. An elegant variety, with bright orange-carmine flowers and very dark leaves. Start the seed early in the house or greenhouse. Pkt. 10 cts.

Calendula (Pot Marigold)

One of the easiest grown, most showy, and free-flowering, hardy annuals, producing a fine effect in beds or mixed borders; blooms all the time; fine for cut-flowers.

- 1525 **Orange King**. Large, full double, deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. 90 cts.
- 1526 **Ball's Orange**. *New*. A beautiful variety similar to Orange King, but especially adapted to forcing. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.
- 1529 **Fine Double Mixed**. Contains the choicest sorts. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 40 cts.



Campanula, Single



Calliopsis

Calliopsis (Coreopsis)

One of the easiest grown annual flowers. Can be used with fine effect anywhere—in beds, border or masses. Blooms all the time. Sow the seed thinly when weather becomes warm and soil dry. Height, 1 to 2 feet.

- 1530 **Hybrida superba**. Very showy new hybrids in great variety of color, varying from pale yellow to rich orange and velvety brown. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.
- 1532 **Golden Wave** (*C. Drummondii*). Bushy, compact plants covered with very large bright golden yellow flowers with brown centers. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., $\frac{1}{4}$ oz. 25 cts.
- 1536 **Mixed Tall Sorts**. All choice varieties. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 1537 **Mixed Dwarf Sorts**. For bedding. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts., $\frac{1}{4}$ oz. 25 cts.
- 1540 **Lanceolata grandiflora** (**Harvest Moon**). One of the grandest perennial plants. Fine in masses, or as cut-flowers. The individual blooms are very large and of the richest golden yellow. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., oz. 60c.

Cineraria

A favorite free-flowering greenhouse plant, with flowers of great richness and diversity of colors. Cinerarias bloom during the winter and spring months and can be planted out in summer. The plants thrive best in a mixture of loam, leaf-mould, and sand.

- 1648 **Livingston's Prize Mixture**. Contains only the richest and most beautiful colors; large. Pkt. 25 cts.
- 1650 **Maritima** (**Dusty Miller**). Silvery white foliage; for edging, ribbon beds, hanging-baskets, etc. Height, 1 foot. Perennial, but usually grown as an annual. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Campanula

Canterbury Bells

This old-fashioned flower is a favorite with all. Stately, showy, and of the easiest growth. Hardy biennial.

- 1560 **LIVINGSTON'S PRIZE MIXTURE**. An elegant mixture of all the finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.
- 1561 **Calycanthemum "Cup and Saucer"**. Our mixture includes all the best colors and varieties. Pkt. 5 cts., $\frac{1}{8}$ oz. 30 cts.
- 1563 **Finest Double Mixed**. Pkt. 5 cts., $\frac{1}{8}$ oz. 40 cts.
- 1564 **Finest Single Mixed**. Pkt. 5 cts., $\frac{1}{8}$ oz. 25 cts.
- 1566 **Pyramidalis** (**Chimney Bellflower**). A hardy perennial flowering in late summer. Finest mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.
- 1568 **Carpatia**. Beautiful free-flowering, hardy perennial. Height, 9 inches. Blue and White. Mixed, pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Cannas

Cannas grow nicely from seed, and will bloom the first summer if started early. File off one end of seed and soak in water over night; then sow them in a box in a sunny window or in the greenhouse. When up to the second leaf, transplant singly into pots and set out in the garden when the weather has become warm and settled.

1580 **Large-flowering French Hybrids, Mixed.** Early flowering and remarkable for large size and beauty of flower and foliage. This collection contains all that is best in Cannas. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts., oz. 35 cts.

Carnations

Sow seeds under glass in the spring, or in open ground, but must be protected in the winter. Half hardy.

1586 **GIANT MARGUERITE.** Enormous flowers; colors most varied and brilliant. They come into full bloom in four months from sowing and continue until hard frosts. Our strains are semi-dwarf and strong growers. Height, 1 foot. Our mixture is splendid. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

1588 **Marguerite, Double Yellow.** Pkt. 15 cts.

1585 **LIVINGSTON'S PEERLESS MIXTURE.** All bloom the first summer. A very choice mixture including all superb sorts. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

1590 **Chabaud's Giant Perpetual.** Comes into bloom in a little over four months from seed; extra-large size; fine range of colors; is very sweet-scented. Mixed colors, pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

1595 **Chabaud's Giant Improved Mixed.** A greatly improved strain of this good old variety. Blooms of large size, fine form. About 90 per cent double and highly clove-scented. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

1594 **Red Grenadin.** Double red flowers; no outdoor Carnation can equal it. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

1592 **Fine Double, Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

1598 **Cardinal Climber.** An annual climber of wonderful vigorous growth, climbing 20 feet in a season. Beautifully cut foliage. Brilliant fiery scarlet flowers. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.



Marguerite Carnations

Candytuft (Iberis)

No garden is complete without a large quantity of Candytuft. Grows easily and blooms all the time until frost. Splendid for cut-flowers. Hardy annual. Height, 1 foot.

1547 **ROSE CARDINAL.** Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height, 8 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

1550 **EMPRESS or GIANT HYACINTH-FLOWERED.** An improved strain, producing immense trusses of pure white bloom, 4 inches in length by 2 inches through. Fine for bedding and cutting. Height, 1 foot. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. 90 cts.

1545 **Large-flowering Dwarf, Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

1551 **White Rocket.** Compact spikes. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

1553 **Odorata.** Pure white; most fragrant. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

1554 **Mixed Annual Sorts.** Our mixture contains all of the best varieties and colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

1556 **Gibraltarica.** A dwarf evergreen plant flowering in early spring and summer. Used for rockeries, edging, or in the foreground of perennial borders. Lilac, shading to white. Pkt. 10 cts.

1557 **Sempervirens.** Similar to the above except pure white. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Celosia or Cockscomb

Attractive annual. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. Sow the seed directly in the garden or start early and transplant. Make fine pot plants.

Ostrich Plume Varieties

Graceful, handsome, pyramidal plants 3 feet high, each branch tipped with brilliantly colored plume resembling an ostrich feather.

1600 **THOMPSONI MAGNIFICA.** Mammoth blossoms of vivid scarlet, purple, blood-red, golden yellow, salmon, etc. Height, 2 feet. Mixed colors, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

1602 **Gold Plume.** Golden yellow. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1604 **Fire Plume.** Fiery scarlet. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Collection: The 3 new Ostrich Plume Celosias listed above, 15 cts.

Comb Varieties

1609 **GLASGLOW PRIZE.** Large and very showy dark crimson combs. Height, 9 inches. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

1611 **Finest Dwarf Mixed.** A choice mixture of all sorts and colors. Pkt. 5 cts., $\frac{1}{8}$ oz. 25 cts.



Candytuft

Centaureas

The different varieties of this popular annual include such favorites as the Bachelor's Buttons or Cornflowers, and Sweet Sultans, old-fashioned flowers of easiest culture. Height, 2 feet.

- 1616 **BACHELOR'S BUTTON** (*Centaurea cyanus*). The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors, pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.
- 1617 **Emperor William**. Rich, deep blue Bachelor's Button. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 1619 **Double Blue**. A standard variety largely used by florists. It is identical in color to the popular single blue variety, but being a full, double flower makes it better for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Giant-flowering Sweet Sultans

(*Centaurea imperialis*)

The blooms are borne on long stems. Of the easiest growth; very showy in the garden all summer long. (See illustration.)

- 1620 **Giant Mixed Colors**. An elegant assortment of colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts., oz. 90 cts.
- 1627 **LIVINGSTON'S CHOICE MIXTURE**. A grand mixture of all the Bachelor's Buttons and Giant Sweet Sultans. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts., oz. 90 cts.



Centaurea imperialis

White-leaved Centaureas (Dusty Millers)

Silver-foliaged plants, extensively used for edging, hanging baskets, etc.

- 1629 **Candidissima**. Very thick, broadly cut, silvery white leaves. Height, 1 foot. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
- 1628 **Gymnocarpa**. Leaves fern-like; silvery gray color. Fine for borders. Height, $1\frac{1}{2}$ feet. Pkt. 5 cts., $\frac{1}{4}$ oz. 35 cts., oz. 90 cts.

Cerastium

- 1630 **Tomentosum (Snow-in-Summer)**. A low-growing plant, having silvery white foliage and producing an abundance of snow-white flowers. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

Cobaea

- 1658 **Scandens**. Fine annual climber, often growing 15 to 25 feet in a season. Handsome foliage; large, deep violet-blue, bell-shaped flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Cyclamen

These elegant greenhouse plants have the most beautiful foliage and the richest colored flowers. Seed may be sown in the spring and autumn. For large blooms, substance and brilliant colors, our strains are unsurpassed.

- 1683 **Livingston's Superb Mixture**. Obtained by a selection of the choicest varieties of *Cyclamen persicum*. The individual flowers are enormous; plants are profuse bloomers; colors are rich and varied. Pkt. 25 cts.
- 1684 **Persicum, Finest Mixed**. A choice assortment of varieties and colors. Pkt. 10 cts.

Cypress Vine (*Ipomœa quamoclit*)

- 1689 **Finest Mixed**. A beautiful annual climber, with fern-like foliage and graceful star-shaped flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.



Chrysanthemums, Perennial

Chrysanthemums (Perennial)

The perennial varieties are gorgeous in the garden every fall. The plants grow from 1 to 3 feet in height.

- 1641 **Japanese Hybrids**. The best double-flowering varieties. Pkt. 15 cts.
- 1644 **Inodorum (Bridal Robe)**. New; pure white; extra fine. Pkt. 10 cts.

Coleus

Beautiful foliage plants, both for greenhouses and bedding out in the garden. The striking colors and brilliant variegated leaves are much admired.

- 1663 **Fine Mixed Hybrids**. Mixed seed from a very fine collection. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
- 1662 **Extra-Fine Mixed Hybrids**. Our finest mixture. Pkt. 15 cts.
- 1664 **Large-leaved Fringed**. Beautiful leaves. Pkt. 20 cts.



Bed of Coleus



Livingston's Mammoth Cosmos

None of our autumn flowers are more prized than the Cosmos. The thrifty plants produce thousands of the most elegant blossoms in pure white, pink, and crimson shades. As a decorative garden plant its value is inestimable, while as cut-flowers for home decoration nothing is finer, especially as Cosmos are in bloom when other outdoor flowers are getting scarce. Plant the seed directly in the garden as soon as the settled spring weather comes, or you may start the plants early in a box in the house and transplant them. In the garden set the plants 1 to 1½ feet apart. One of our most desirable and easy-growing annuals. Height, 5 to 6 feet.

EXTRA-EARLY MAMMOTH. This is a new strain of Cosmos especially selected for size of flowers and earliness. In this new strain we overcome what is very often a disappointment—not getting flowers before frost. The growth of this new Cosmos is so rapid that seed can be sown outdoors where the plants are to grow and within a few weeks the plants will be covered with a mass of large, beautiful flowers and will continue to bloom until frosts come in the fall.

1676 **White.** Pure white. Pkt. 10 cts., ¼oz. 25 cts.

1677 **Pink.** Light pink. Pkt. 10 cts., ¼oz. 25 cts.

1678 **Crimson.** Brilliant. Pkt. 10 cts., ¼oz. 25 cts.

1670 **Mixed.** A well-blended mixture of the above colors. Pkt. 10 cts., ¼oz. 30 cts., oz. 75 cts.

Mammoth Perfection, Giants of California. A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut.

1672 **Mammoth Perfection, Mixed.** A superb mixture of every color and shade in these splendid Cosmos. Pkt. 5 cts., ¼oz. 20 cts., oz. 50 cts.

ORCHID-FLOWERED COSMOS

1680 **Lady Lenox.** Flowers 4 to 5 inches in diameter. Color a delightful shell-pink, lighting up beautifully at night. Splendid variety. Height, 6 to 7 feet. Pkt. 10 cts., ¼oz. 20 cts.

1681 **Lady Lenox, White.** Similar to above except white. Pkt. 10 cts., ¼oz. 20 cts.

NEW DOUBLE-CRESTED

A new class, producing beautifully crested flowers most striking in appearance. The graceful foliage and the starry crested blooms lend themselves to the most artistic arrangement.

1669 **Mixed.** Pkt. 20 cts., ½oz. 50 cts.

Giant Double Daisies (Bellis perennis)

A charming little plant for pots, edgings and borders. (See illustration.)

Sow the seeds very early and plants will bloom the first year and continue to bloom each season if given some protection during winter. They do best in a rich soil and quite cool situation. For cemetery decorations. Perennial. Height, about 6 inches.

1712 **Monstrosa, Mixed.** This assortment includes the Pink and White Monstrosa as well as many other finest sorts. Pkt. 10 cts., ½oz. 50 cts.



Giant Double Daisies



Double-crested Cosmos

Dolichos (Hyacinth Bean)

A splendid annual climber, with hyacinth-like clusters of purple and white flowers, which are followed by ornamental seed-pods. Of rapid growth and stands summer heat well. Sow in the garden in May where the plants are to remain.

1794 **Finest Mixed.** Pkt. 5 cts., oz. 30 cts., ¼lb. 75 cts.



Dahlias

Digitalis (Foxglove)

The Foxglove, in common with all the hardy perennials, is being planted more extensively each season. The large, tube-like flowers, which are produced so freely in beautiful spikes, add much to our hardy beds and borders. Being of the easiest growth, and doing finely in partially shaded situations, they fill in many gaps most advantageously. Height, 3 ft.

1782 **Gloxiniæflora.** A beautiful class, with spotted flowers. We offer a mixture of the finest varieties. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1786 **Monstrosa** (Mammoth Foxglove). A grand strain. The top flowers of the spikes are of enormous size. Fine assortment of colors. Splendid mixed, pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

1788 **Purpurea, Finest Mixed.** The common Foxglove so generally known. Pkt. 5 cts.

Dahlias

Dahlias are easily grown from seed and bloom profusely the first season. Their colors are especially rich and brilliant. Some specimens grown from seed are fully equal to the named sorts. There is a fascination in growing Dahlias from seed as they always produce many new types and colors. The double sorts do not bloom as early as do the singles, and should be started early to produce fine bloom the first season. As soon as the plants are large enough and the weather warm, plant in the open, not closer than 2 feet apart. Protect the tubers over winter in a dry cellar in sand.

1698 **Large-flowering Choicest Double Mixed.** This elegant assortment of seed is saved from round, double flowers; many beautiful colors. Pkt. 10c., $\frac{1}{8}$ oz. 30c., $\frac{1}{4}$ oz. 50 cts.

1702 **Cactus Varieties, Choicest Mixed.** Most popular at the present time; distinct and elegant; petals pointed; blooms perfectly double. Pkt. 10 cts., $\frac{1}{8}$ oz. 45 cts.

1705 **Livingston's Superb Dahlia Mixture.** This splendid assortment embraces every variety of Dahlia, both single and double, described on this page, as well as many other fine sorts. Will make an elegant bed at small cost. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Didiscus (Lavender Lace Flower)

1780 **CÆRULEA.** This pretty and interesting annual blooms most profusely from July till November; also used extensively for early spring flowering in a cool greenhouse. Their exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Eschscholtzia (California Poppies)

Most attractive annuals of the easiest culture, their flowers being bright and showy. They are splendid for bedding, massing, or ribbon-work. Plants are bushy and grow about one foot high. They are favorites everywhere. Bloom profusely from spring-sown seed.

1804 **Golden West.** Early and continuous bloomer. Magnificent flowers of gigantic size. Color intense shining yellow and orange. The state flower of California. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

1806 **Finest Double Mixed.** A splendid assortment of colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts., oz. 85 cts.

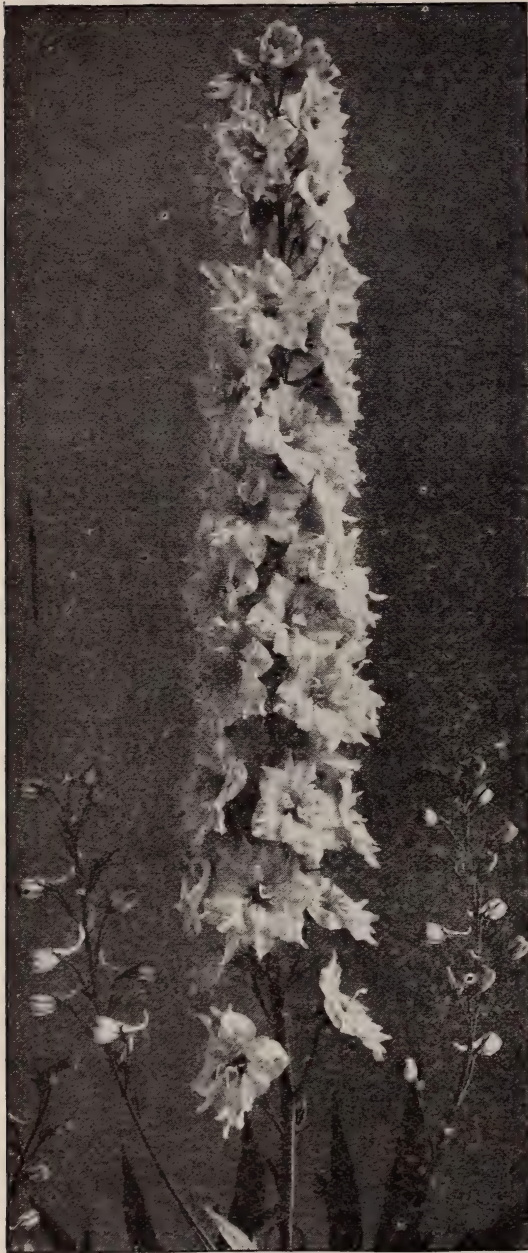
1808 **Finest Single Mixed.** All the best varieties. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

1811 **BUSH ESCHSCHOLTZIA (Hunnemannia).** A fine new perennial plant; forms a bushy shrub 2 feet high, producing, on stems 1 foot long, large cup-shaped flowers of clear jonquil-yellow with vivid bright orange stamens. Begins to bloom in July from spring-sown seed. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

September 24, 1929
 ELLIS J. LLOYD, Morrow County, Ohio, writes: *I want to tell you that the Aster and Zinnia seed I purchased from you this spring sure produced fine flowers. They were the talk of the neighborhood.*



Digitalis (Foxglove)



Delphiniums

1736 Wrexham (Hollyhock Strain) Delphinium

The greatest advance yet made in this splendid class. Enormous spire-shaped spikes of bloom, beautiful in form. This strain has brought the Delphinium into the greatest popularity for bedding as well as for cutting. The mixture we offer contains all the colors peculiar to the Delphinium, and there are double and single blooms. Some of the blooms are of large size, fully 3 inches in diameter being reported. Our seed is American-grown from English stock. Pkt. 35 cts., $\frac{1}{16}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.35.

DU PONT SEMESAN

Semesan possesses remarkable properties for sterilizing seeds, bulbs, roots, and corms of the parasitic seed and plant diseases; also accelerates germination, and stimulates seedling growth. Prevents damping off. See page 68.

Dianthus or Pinks

This elegant family contains many of the most valuable and popular flowers in cultivation. All the sorts classed as annuals may be sown directly in the garden as soon as danger from frost is past. Useful as cut-flowers. 1 foot.

DOUBLE ANNUAL PINKS

- 1744 **Laciniatus** (Double Fringed Pinks). Magnificent flowers; very large; double. Mixed colors; striped and fringed edges. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 25 cts.
- 1740 **NEW GIANT FRINGED AND RUFFLED PINKS, Double Marvelous or Japanese Fringed Pinks** (*D. mirabilis fl.-pl.*). This remarkable and perfectly distinct new strain produces large, perfectly double flowers on stiff, upright stems. The petals are deeply cut into fine strips of thread-like fringes for about half their length, and are twisted in all directions, presenting a novel aspect. In color, they vary greatly, having all shades from pure white to deep purplish red. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.
- 1760 **Livingston's Mixture of Double Pinks**. A splendid combination of all the best varieties. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

HARDY GARDEN OR CLOVE PINKS

This splendid class of hardy perennial Pinks should be in all gardens. They have the delightful clove fragrance.

- 1746 **Cæsius (Cheddar Pink)** *D. plumarius*. Forms dense tufts of plants only a few inches high, and has rosy pink, sweet-scented, small flowers. A good rock plant. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
- 1748 **Deltoides (Maiden Pink)**. A beautiful little plant, with narrow leaves, and quantities of small crimson flowers. Adapted to rockeries. Pkt. 10 cts.
- 1778 **New Double Large-flowering Grass or Spice Pinks** (*D. plumarius semperflorens fl.-pl.*). One foot high. The flowers, which are beautifully fringed, are much larger and more double than the old varieties, while the colors are far richer, including a large variety of colors and markings not known to the old-fashioned Pinks. Many exquisitely spotted and splashed. They emit a delightful, sweet-scented, spicy odor. Perfectly hardy, requiring only the ordinary culture of the Pinks. They increase in size and beauty every year. Bloom profusely during the spring and early summer. Pkt. 25 cts., $\frac{1}{8}$ oz. 45 cts.
- 1772 **New Single Large-flowering Grass or Spice Pinks, Mixed**. Same as above, only single. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.
- 1777 **LIVINGSTON'S MIXTURE OF HARDY GARDEN PINKS**. A magnificent strain of hardy garden Pinks containing all the sorts described on this page and many new varieties not listed by us. Choicest single and double sorts of bright and brilliant colors make this mixture one of the most desirable for the hardy garden. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Delphinium

Hardy Perennial Larkspur

One of our most brilliant and effective hardy garden plants. Of late years the size and colors of the flowers have been wonderfully improved. Persistent bloomers, even in the driest seasons. Height, 2 to 4 feet.

- 1726 **NEW GIANT-FLOWERING HYBRIDS**. These magnificent hybrids, the grandest of Delphiniums in existence, produce splendid spikes of immense flowers, semi-double and double. Flower-spikes are from 2 to 5 feet in length. The colors are very beautiful, ranging from pure white through all the shades of lavender and blue. Mixed colors, pkt. 20 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.
- 1728 **Bellamosa**. A dark blue form of the popular light blue Belladonna. It is identical in habit of growth, freedom of bloom, and has all the good qualities of the former, but with intensely rich, deep blue flowers. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts.
- 1734 **BELLADONNA**. Light sky-blue flowers, with light centers; a very fine variety. Height, 4 feet. Pkt. 20 cts., $\frac{1}{8}$ oz. 65 cts.

Annual Delphiniums. See Larkspurs, page 16

July 1, 1929

JOHN MURRY, Gentry County, Missouri, writes: *The vegetable and flower seeds that I bought from you this spring have done exceptionally fine for me. I have the finest lot of Carnations from your Marguerite seed that I have ever seen.*

1798 **DRACÆNA indivisa** (Dragon Plant). Beautiful ornamental-leaved plants; long, narrow, green foliage. Indispensable as center plants for vases and for house decorations. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

FUCHSIAS (Lady's Eardrops). These well-known plants will flower the first season from seed, if started early. As house plants for winter they are always general favorites. The seed we offer is saved from a fine collection of double and single sorts. 1826 **Best Sorts Mixed**. Pkt. 15 cts.

FOUR O'CLOCK. See Marvel of Peru, page 15.

FORGET-ME-NOT. See Myosotis, page 17.

1824 **FEVERFEW (Matricaria)**. Free-flowering annuals about 1 foot high; very compact and bushy. Splendid for beds and borders; also fine as cut-flowers or for pots. The double, white blooms are very useful in bouquets. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Gaillardia (Blanket Flower)

There are annual and perennial Gaillardias. The annual sorts bloom all summer and autumn, and are noted for the profusion, size, and brilliancy of their flowers; excellent for beds and borders. The perennial varieties are grand and wonderfully effective in the hardy borders, their especial value being constant blooming from July until hard freezing weather. They require no winter protection, although applications of manure increase their strength. If the seed is sown early they will begin flowering at midsummer. Both classes are splendid as cut-flowers, of easy culture, doing finely anywhere. Height, 2 feet.

1830 **Finest Single Annual, Mixed**. A very fine assortment of many brilliant colors. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts.

1832 **Finest Double Annual, Mixed (G. Lorenziana)**. All the best double-flowering varieties in richest mixture. They bloom freely all the season. Splendid for bouquets. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts.

1835 **Portola Hybrids**. *New*. Flowers of very large size, with colors ranging through shades of bronzy red, and having petals tipped with gold. Very striking. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts.

1834 **GRANDIFLORA HYBRIDS, Finest Mixed**. One of the most elegant perennials; is in continuous bloom from June until frost. The enormous flowers are a magnificent combination of red and yellow. Splendid to cut for vases. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts.

1836 **Grandiflora compacta**. A compact-growing variety similar in bloom to the Grandiflora Hybrids, but only grows about 15 inches high. Its flowers are of the richest colors, and the stems are long. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Geraniums

These popular plants are most easily raised from seed, and if started early will produce flowering plants the first summer. Start in the house and transplant to the garden as soon as the weather is warm. You will find that the varieties we offer are of very superior quality.

1842 **Finest Mixed**. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

1846 **Apple-Scented**. The old-fashioned Apple-scented Geranium. Pkt. 10 cts.



Gaillardia grandiflora (Baby's Breath)



Gaillardia grandiflora

1840 **GEUM, Mrs. Bradshaw**. A splendid variety with large, double, fiery red flowers. It blooms over a long period. Pkt. 10 cts.

GLOBE AMARANTH. The flowers resemble clover-heads and can be dried and used in winter bouquets. Very effective in beds or borders. Height, 2 feet.

1848 **Red**. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1849 **Pink**. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1850 **White**. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1851 **Mixed**. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1854 **CODETIA (Satin Flower)**. A very beautiful hardy annual. In full bloom all summer, so profuse that the foliage is almost hidden by the large wide-open flowers; of shining satiny texture and the most delicate and brilliant colors.

Mixed, pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Gourds

1860 **Gourd Mixture**. Contains a great variety, including many ornamental sorts. Pkt. 5 cts., oz. 30 cts.

Gypsophila

1874 **Repens**. A beautiful trailing plant for the rockery. Has numerous small, white and pink flowers in July and August. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

1876 **Elegans alba grandiflora (Baby's Breath)**. This is an improved, large-flowering, pure white, annual Baby's Breath of free, easy growth. Several sowings should be made during the season to keep up the supply. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts.

1878 **Paniculata (Baby's Breath)**. An elegant hardy perennial plant that should be in every garden. It is pretty in beds, and its delicate little flowers are produced in feathery white panicles; fine in bouquets. Fine cut-flowers. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1879 **Paniculata fl.-pl.** Double. Pkt. 25c., $\frac{1}{8}$ oz. \$2.25.

Helichrysum (Straw Flower)

MONSTROSUM FL.-PL. One of the best of the "ever-lasting." They succeed in any good garden soil. The large, double flowers of rich, glittering colors make a fine display in beds or borders, but are especially grown to dry for winter use in baskets, vases, etc. When grown for winter use, they should be cut when the flowers are about one-third open, but with as long stems as possible; take off all foliage, tie in bunches, and hang head downward in some dark, dry place until the stems are thoroughly dry. Our seeds are of the Monstrosa or large-flowering type, which insures you an abundance of large, double flowers of the most brilliant colors. Plant 12 to 15 inches apart, to give them plenty of room to develop. Hardy annual 2½ to 3 feet high. We offer the following choice colors and our special mixture.

- | | |
|---|--------------------------------------|
| 1885 Golden Globe.
Golden yellow. | 1887 Crimson. Striking color. |
| 1885 Canary-Yellow.
Clear yellow. | 1887 Rose-Carmine Shades. |
| 1886 Silver Globe. Glistening white. | 1888 Salmon. Rosy salmon. |
| 1886 Fireball. Fiery red. | 1889 Violet. Very rich color. |
| | 1889 Salmony Red. Beautiful. |
| | 1890 Scarlet. Very showy. |
| | 1891 White. Pure white. |

Prices of above, separate colors, pkt. 10 cts., ⅛oz. 20 cts.; 7 pkts., our selection, all different, for 50 cts.

1888 **Mixed.** A mixture of the above and other colors. Pkt. 10 cts., ⅛oz. 20 cts.

Hibiscus (Marshmallow)

Tall growing; especially adapted to backgrounds and shrubbery borders. Of easiest culture, and bloom the entire season. Height, 4 to 5 feet.

1994 **Mallow Marvels.** A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink, and white. **Mixed colors,** pkt. 10 cts., ⅛oz. 20 cts.

Humulus (Japanese Hop)

Splendid climber. Has handsome foliage, which resembles that of the common hop vine. Never suffers from heat or attack of insects; easiest culture.

1920 **Japonica.** Has bright green foliage. Pkt. 5 cts.

1922 **Silver-Leaf.** Unusually beautiful variety of rapid-growing summer climbing vine. Leaves deep green, beautifully striped and blotched with silvery white and gray. Will reach a height of 20 to 30 feet in three or four weeks' time. Pkt. 5 cts., ⅛oz. 15 cts.



Kochia (Summer Cypress)



Heliotrope

Heliotrope

Easily raised from seed. Spring planting gives fine summer-blooming plants. As a bouquet flower it is always a favorite.

1880 **LEMOINE'S GIANT HYBRIDS.** Grand flowers, double the size of the older sorts. Bushes compact, about 18 inches high; heads of mammoth blossoms often measure a foot across. Deliciously fragrant. Seed sown in the spring will produce flowering plants by July, which continue in flower until frost. Mixed, including Purple, White, Lavender, and Blue. Pkt. 10 cts., ⅛oz. 25 cts.

1884 **All Sorts Mixed.** In best assortment; all shades, both light and dark. A very desirable strain. Pkt. 5c., ⅛oz. 20 cts.

1895 **HEUCHERA sanguinea.** Beautiful plants for borders and rockeries, having many flower-spikes, well above the low-growing foliage. Small, bright red blooms, very desirable for cutting. Pkt. 10 cts.

1932 **KENILWORTH IVY** (*Linaria Cymbalaria*). A hardy perennial trailing plant suitable for vases, etc. Adapted to shady locations. Easily grown from seed. Lovely little lavender and purple flowers and exquisite foliage. Pkt. 10c.

1934 **KOCHIA Childsi.** **Summer Cypress or Burning Bush.** This splendid annual plant grows very quickly from seed sown in the open ground as soon as the weather permits in spring. The plants always make attractive globe-shaped bushes, as large sometimes as 3 feet high and 2 feet across. Leaves slender and of a light pea-green color until September, when they turn to carmine and blood-red; at the same time ends of shoots are thickly set with small bright scarlet flowers and produce a very striking effect. Pkt. 10 cts., ⅛oz. 20 cts., ¼oz. 30 cts.

1936 **KUDZU VINE** (*Pueraria Thunbergiana*). This wonderful climber is of Japanese origin and is the most luxuriant and rapid-growing vine known to horticulture. It will grow 8 to 10 feet the first year from seed, and after becoming established will produce vines 50 feet high in a season, sometimes growing 1 foot in a single day. Produces a tuberous root which is perfectly hardy everywhere. Foliage is very luxuriant, quickly forming a dense shade. Unequaled for porches, arbors, trellises, etc. Pkt. 10 cts., ⅛oz. 20 cts.

January 22, 1929

MRS. W. E. HART, Lorain County, Ohio, writes: We are sending you another order because we have had splendid success with your seed, and my husband, who is not a professional gardener, simply an enthusiast, wants more of them.



Livingston's Prize Hollyhocks

1957 **LAVENDER** (*Lavandula vera*). True Lavender. Popular, sweet-scented, hardy perennial; fine for mixed border. Height, 3 feet. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Lobelia

Exceedingly pretty, profuse-blooming plants of great value, both in the garden and for hanging-baskets, window-boxes, and vases, especially prized for edgings of beds and borders. Plants grow about 6 inches high. They are treated as annuals and are of the easiest culture.

1958 **Crystal Palace Compacta**. Best dark blue sort for edgings and carpet bedding. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

1962 **Gracilis**. Fine for hanging-baskets, vases, and window-boxes. Light blue; a trailing variety. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

1964 **Mixed Compacta Sorts**. A very fine mixture of all the best varieties for edgings and bedding. Pkt. 5 cts., $\frac{1}{8}$ oz. 25 cts.

Marvel of Peru

(Four o'Clock or Mirabilis)

This old-fashioned favorite is one of our easiest grown annuals. The plants are bushy, about 2 feet high, and completely covered all summer with large, showy, very fragrant blooms.

1995 **Variogated**. The brilliant flowers, in many colors, contrast finely with the golden-hued foliage. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

1997 **Finest Mixed**. An elegant assortment of these old-fashioned favorites. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

Hollyhocks

Hollyhocks require a rich soil, but it must be well drained. We give especial attention to this flower, and you will find our strains of seed of the finest quality. Once thoroughly established, they bloom stronger and more brilliant every year. Seeds sown early, and the young plants transplanted several times, will bloom the same season; July and August-sown seed, following year. Height, 5 to 8 feet.

Livingston's Prize Hollyhocks. These are the largest flowering and most perfectly double Hollyhocks we have been able to procure after many years of selection of only the best varieties. The colors are rich and brilliant, the plants free from disease, as well as very robust and strong growers; in fact, we believe our strain to be unsurpassed in every respect. We offer several separate colors and our best mixture.

1896 Double Black	1901 Double Crimson
1897 Double Lemon-Yellow	1904 Double Scarlet
1898 Double White	1905 Double Salmon
1900 Double Rose-Pink	

Each color, pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 35 cts.

1908 **LIVINGSTON'S PRIZE MIXTURE.** This is our best mixture. It is composed exclusively of the finest double-flowering varieties. It contains not only the above elegant colors, but also innumerable other shades. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

1910 **Mammoth Allegheny.** Attractive variety. Its lovely fringed and transparent petals look as if they were made from the finest China silk. The individual flowers are large in size, and in color they range from the palest pink to deepest red. In form the flowers are double, semi-double, and single. Plants are in full bloom from July until frost. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 30 cts.

1913 **Mixed Annual Everblooming Hollyhocks.** These glorious new hybrids may be grown from seeds and will flower the same year as quickly as any garden annual. The plants can be treated as annuals. The seeds may be started in the house, or in hotbeds, frames, etc., in March or April. Plants transplanted by the beginning of May in the open ground will commence to flower about the end of July. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

1938 **LANTANA, Mixed.** Popular, free-blooming, and very rapid-growing plants with flower-heads of various colors, which are continually changing; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries which, when ripe, turn deep blue. Used largely for bedding out in summer and are also fine winter-blooming plants. Start seeds in the house or hotbed. Tender perennial. Height, $1\frac{1}{2}$ feet. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

LYCHNIS. Few plants produce as bright flowers and bloom as continually as Lychnis. A hardy perennial, but flowers the first season from seed if it is sown early. Height, 2 feet.

1971 **Finest Mixed Hybrids.** Plants are compact and bushy; colors include all the most brilliant shades, from pure white to deepest red. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{8}$ oz. 30 cts.



Lantana

Larkspur (Annual Delphinium)

Annual Larkspur is one of the old-fashioned flowers improved by culture. The long, slender spikes are very graceful, and are beautiful either in the border or as a cut-flower. The wide range of intermediate shadings makes them a delight. They thrive in almost any soil, but a sunny situation suits them best. Seed should be sown as soon as the weather becomes warm, in shallow drills. When well started, thin out to stand 8 inches apart.

STOCK-FLOWERED. These tall-growing and branching Larkspurs produce the most brilliant spikes of double flowers; continuously in bloom all summer.

1945 **EMPRESS ROSE.** *New.* Tallest and best of all salmon-pink shades. It is of the double, branching, stock-flowered type. Very promising. Pkt. 15 cts., 1/16oz. 35 cts.

1939 **LA FRANCE.** A pleasing salmon-pink and, without question, the most striking in color of all the Tall Stock-flowered Larkspurs. It is more resistant to mildew and much more vigorous and tall growing than the class. The large, well-formed, double flowers are well placed on long stems and present a beautiful appearance. Pkt. 15 cts., 1/16oz. 30 cts., 1/8oz. 50 cts.

1940 **Tall Stock-flowered.** White.....\$0 10 1/2oz. \$0 25

1941 **Tall Stock-flowered.** Shell-pink..... 10 25

1942 **Tall Stock-flowered.** Bright rose..... 10 25

1943 **Tall Stock-flowered.** Dark blue..... 10 25

1944 **Tall Stock-flowered.** All Colors Mixed.... 05 25

1949 **Giant Hyacinth-flowered.** Tall; a superb class. The splendid flowers are very large, very double and of various beautiful colors, shadings and markings; long spikes of bloom like immense hyacinths. Pkt. 10 cts., 1/8oz. 25 cts.

1951 **Double Dwarf Rocket.** A most choice mixture of varieties that grow about 1 foot in height. Pkt. 5 cts., 1/8oz. 25 cts.

1953 **Double Tall Rocket.** This well-known mixture embraces the very choicest colors in the taller growing sorts. Pkt. 5 cts., 1/4oz. 25 cts.

For Perennial Larkspur, see Delphinium, page 12

Lupinus (Lupine)

ANNUAL SORTS. An easily grown, free-flowering annual. Long graceful spikes of rich-colored, pea-shaped flowers. Prefers a little shade.

1965 **Hartwegi roseus.** Rose.....\$0 10 1/2oz. \$0 25

b1965 **Hartwegi albus.** White..... 10 25

1966 **Hartwegi caelestinus.** Sky-blue..... 10 25

b1966 **Hartwegi, Mixed.**..... 10 25

PERENNIAL SORTS. Bloom in May and June. Succeeds in any good garden soil. 3 feet.

1967 **Polyphyllus.** White.....\$0 10 1/2oz. \$0 25

1968 **Polyphyllus.** Blue..... 10 25

1969 **Polyphyllus.** Rose..... 10 30

1970 **Polyphyllus.** Mixed..... 10 25



Delphinium (Larkspur)

Linum (Flax)

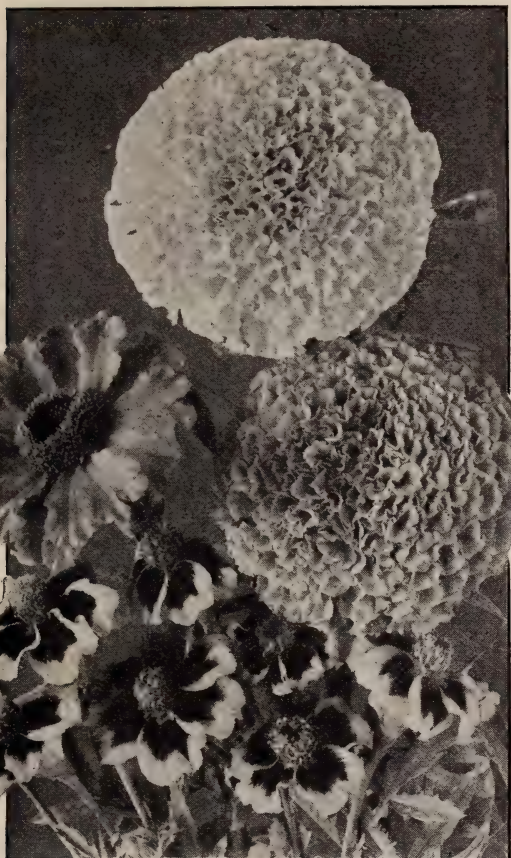
1961 **Perenne.** One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with bright blue flowers. Height, 18 inches. Pkt. 10 cts., 1/8oz. 30 cts.

Lilium

1960 **REGALE.** This Lily is absolutely hardy, and is excellent for forcing. It has been predicted that it will become the Easter Lily of the future. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most Lilies. Blooms outdoors early in July, and seedling bulbs will flower the second year. The seeds can be sown in flats in the greenhouse at any time, giving the same treatment as tomato seed, and lined outside in rows about 4 inches apart as soon as weather permits. These will do well in any soil with good drainage and will give you a blooming-size bulb the second year. It will be necessary to lift the bulbs grown from seed the first year and plant them back immediately in order to get them 4 to 6 inches deep. Pkt. 20 cts., 1/16oz. 35 cts., 1/8oz. 60 cts.



Lilium regale



French and African Marigolds

Mignonette (Reseda)

Without Mignonette in our gardens, something indeed would be missing. Its large, deliciously fragrant spikes of bloom are everyone's admiration. Make successive sowings in the garden, from April to July, and thin out to 6 inches apart. Pinch top off when about 2 inches high for best results. Height 1 to 2 feet, according to the variety.

2006 **Golden Machet.** Golden yellow. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

2011 **Odorata.** Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

2001 **Red Goliath.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

2016 **Finest Mixed.** Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts., oz. 75 cts.

Myosotis (Forget-me-not)

The Forget-me-not is an old favorite, hardy perennial, bearing clusters of star-shaped flowers. Succeeds best in a moist, shady situation, and blooms the first year from seed sown early. Sow seed in autumn, flowers in early spring.

2050 **Palustris (True Forget-me-not).** Beautiful blue. Height, 6 inches. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

2051 **Alpestris.** Bright blue. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

2056 **Alpestris rosea.** Pink. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

2054 **Semperflorens.** Splendid dwarf Forget-me-not; will thrive in sun or shade, covered from early to late with beautiful blue flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

2058 **Finest Mixed.** A mixture of all the finest sorts. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts., $\frac{1}{2}$ oz. 20 cts.

Livingston's "True Blue" Flower Seeds

are grown for us by specialists who have had years of experience, and are situated where the climate is best suited to their perfect development. You take little risk in using them.

Livingston's Marigolds

Tagetes

These old-fashioned favorites are annuals of the very easiest cultivation. Both the French and African classes are very effective. The former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous flowered ones, in very showy orange and lemon shades. (See illustration.) Both kinds are most popular for beds and borders, and planted in large blocks are very attractive. They bloom profusely all summer. Start the seed early in a box in the house or plant directly in the garden when the weather is warm. Fine as cut-flowers. French sorts make nice pot plants.

French Marigolds

1993 **Signata pumila.** A dwarf variety, 6 to 8 inches high, and literally covered with small yellow flowers, having a brown stripe down the center of each petal. Splendid for edgings of beds. Sow in boxes and transplant, or sow in beds if fall blooming is desired. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

1984 **LEGION OF HONOR (Little Brownie).** Handsome single variety, covered with a multitude of flowers. In color it is a velvety golden yellow blotched with purple. Height, 1 foot. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

1988 **Tall Double, Mixed.** A splendid assortment of all the best colors in striking combinations. Height, $2\frac{1}{2}$ feet. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

1990 **Dwarf Double, Mixed.** Similar mixture to No. 1980 in colors, but the plants grow much dwarfer. Height, 1 foot. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

African Marigolds

1972 **LEMON BALL.** Extra-large, round, double flowers of a clear canary-yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. 75 cts.

1973 **ORANGE BALL.** Enormous, double, intense rich orange flowers produced in great profusion from July until cut down by frost. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. 75 cts.

1978 **Mammoth Tall, Mixed.** A splendid assortment of all the best shades in African Marigolds. Height, 3 feet. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts., oz. 60 cts.

1980 **Mammoth Dwarf, Mixed.** The flowers are enormous in size, but the plants grow dwarfer. Height, $1\frac{1}{2}$ feet. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

MRS. J. S. PADON, Upshur County, Texas, writes, October 4, 1929: *We had the best home garden in this locality last spring and give all the credit to your good seeds.*

HAZEL GRIMM, Fairfield County, Ohio, writes, August 12, 1929: *We have used some of your flower seeds and think they are fine.*

ZITA M. HUBER, Perry County, Missouri, writes: *Everyone seeing your Asters growing in the garden praised them and I have found several customers for you through them.*



Myosotis

Morning-Glories

- 2024 **GIANT IMPERIAL JAPANESE.** One of the most valuable and popular annual climbers introduced in years. This strain of mammoth-flowering Morning-Glories is most justly celebrated for the beauty of both flowers and foliage. Magnificent in size and bloom—4 to 6 inches across. The great variety of rich and delicate colors, tints and markings is wonderful. Our mixture of seed of these is superb. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.
- 2026 **Finest Mixed Japanese.** Very choice strain; flowers large, and in greatest variety of colors and shades. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 35 cts.
- 2028 **Fancy Fringed Japanese.** This is a splendid mixture, made up exclusively from the best fringed varieties. The range of color is very great and fringed-edged blooms very beautiful. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
- 2022 **Morning-Glories (*Convolvulus major*).** These are the old-fashioned favorites that everybody loves. No climber is more useful, as they grow so quickly and cling to anything. Splendid mixed with other vines, especially nasturtiums. Our mixture contains all the choicest and brightest sorts. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.
- 2030 **Brazilian Morning-Glories (*Ipomæa setosa*).** This desirable climber makes a thick, dense growth of great lobed leaves, and is brilliant, with an endless profusion of immense clusters of rose-colored flowers, with a satiny pink star in the center of each. Pkt. 10c., $\frac{1}{4}$ oz. 25 cts.

Dwarf or Bedding Morning-Glories

- 2036 **Choice Mixed.** A very large assortment of these richly colored favorites. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 40 cts.



Nigella (Love-in-a-Mist)

A very popular, old-fashioned flower, free-flowering, with finely cut foliage surrounding the curious-looking flowers and seed-pods. Easily grown from seed.

2163 **Mixed.** Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts.

Nicotiana (Sweet-scented Tobacco Plant)

- 2158 **Affinis.** A very popular sort; its flowers are pure white and deliciously fragrant. Always in bloom. Pkt. 5 cts., $\frac{1}{2}$ oz. 20 cts.
- 2160 **Sanderæ.** This beautiful hybrid Nicotiana forms bushy, much-branched plants 2 feet high, the whole plant laden with flowers from base to summit with hundreds of handsome, carmine-red, fragrant blossoms. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.



Moonflowers (*Ipomæa noctiflora*)

Annual climbers of rapid growth. For covering old walls, trellises, arbors or stumps of trees. The seed should be lightly cut at the end and soaked over night before planting.

- 2038 **Northern Light.** The earliest blooming of all the Moonflowers. Its lovely pink flowers are produced by the thousands all summer and fall. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.
- 2040 **WHITE-SEEDED.** Large in flower, firm in texture, and very fragrant. It bears in graceful profusion its immense, lovely, white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.
- 2042 **Cross-Bred or Hybrid.** A variety of great value for the North, as it is in bloom a month earlier than the above. Flowers are pure white. Height, 20 to 40 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Our flower seed collections are great bargains. (See inside front cover.) Don't fail to include some of them in your next order to us. We are sure you will be more than pleased.



Nicotiana Sanderæ



Nasturtiums

Giant-Flowering, Tall or Climbing Nasturtiums

For many years we have made a **specialty of Nasturtiums**, devoting great care to selecting, improving, and hybridizing them. The result of our labors we offer to our customers in this **Perfection Collection of Giant-flowering Nasturtiums**, which we unqualifiedly believe to be the **grandest collection of Nasturtiums ever offered**. It contains seven giant-flowered kinds, each a distinct and beautiful color. They grow easily, bloom freely, and from early summer until killed by frost are a mass of beautiful flowers, mammoth in size and gorgeous beyond description. **Our Perfection Collection** includes the following **seven separate kinds**.

2066 **Giant Golden Yellow**. Mammoth flowers, frequently $3\frac{1}{2}$ inches in diameter.

2067 **Giant Rose**. A most desirable variety, with flowers of a soft rosy pink color; foliage light green.

2068 **Giant Cream and Pink**. Extremely large flowers; the daintiest of all Nasturtiums.

2069 **Giant Lemon and Rose**. Grand, extra-large flowers of clear pale lemon color, varying to bright yellow.

2070 **Giant Deep Crimson**. The deepest and richest of all dark red Nasturtiums. The foliage is dark green.

2071 **Giant Striped Hybrids**. A gorgeous strain of brilliantly striped beauties of various shades and tints.

2072 **Giant Brilliant Scarlet**. A glowing, flaming scarlet, intense and vivid; the largest of its color.

If wanted in separate colors, pkt. 5 cts., oz. 20 cts.

We strongly recommend everyone who desires truly **Giant-flowered Nasturtiums** to try our **Perfection Collection**.

MISS E. M. CHESTER, Jackson County, Missouri, writes: *Last year, among other seeds, I purchased from you the "Top-Notch Mixture" and the "Glory of the Garden Mixture" of Nasturtiums. I never in all my life saw such wonderful flowers as these seeds produced. They were all colors, very large, and the most prolific of bloomers. They were the talk of the whole neighborhood and everyone who came to see them asked where in the world I had purchased the seed. Everyone wanted to know if I had bought it at the store (in the neighborhood). Of course, I broadcast the source of supply.*

2100 Livingston's Top-Notch Mixture of Giant-flowering Nasturtiums

A wonderful diversity of rich colors and new and striking combinations are found in this unequalled mixture. A row in full bloom is beyond description, containing shades of yellow, rose, scarlet, orange, lemon, bronze, maroon, ruby, cream and pink, both in solid colors and mottled and striped in many showy and exquisite ways. For many years this mixture of Nasturtiums has been our special pride. Every year we have improved it, until now we unhesitatingly offer our new Giant-flowering Nasturtiums as absolutely the finest. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Tall Mixed

2094 **Mixed Tall Nasturtiums**. There is no flower of which you need seed in larger quantities for liberal planting than Tall or Climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

Madame Gunther Hybrid

These are of French origin, and for rich and striking colors are not surpassed by any climbing Nasturtiums. 2096 **Mixed Colors**. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

SARAH M. SHOOTS, Logan County, Ohio, writes; July 22, 1929: *The castor beans I got from you, last year grew immense "trees."*

PERFECTION COLLECTION OF GIANT-FLORING NASTURTIUMS

Price. In order to quickly introduce these Nasturtiums and assure a general planting of them this year, we have made the very low price of **7** **PACKETS** of the above wonderfully beautiful kinds postpaid, to any address, for **25 cts.**

FIVE COLLECTIONS FOR \$1



Dwarf Nasturtiums

Dwarf Nasturtiums

Dwarf Nasturtiums are becoming more popular each year. Many gardens are too small to allow a liberal planting of the Tall or Climbing varieties, but the many nooks and corners may be filled with the Dwarf varieties to a great advantage.

Dwarf Nasturtiums will bloom from early summer until killed by frost. The long, stiff stems hold the flowers well above the foliage, which makes them profitable either for bedding or cutting. We have tested all of the dwarf varieties and offer to our customers in our **Sunburst Collection** what we consider the seven most beautiful separate colors as follows:

	Pkt.	Oz.		Pkt.	Oz.
2108 Rose. Beautiful deep rose.....	\$0 05	\$0 20	2118 Prince Henry. Pale yellow, spotted	\$0 05	\$0 20
2112 Beauty. Yellow and scarlet.....	05	20	carmine.....	05	20
2114 Aurora. Terra-cotta.....	05	20	2120 Regelianum. Purple-garnet.....	05	20
2116 Pearl. Amber-white.....	05	20	2122 Ruby King. Bluish rose.....	05	20

OUR SUNBURST COLLECTION OF DWARF NASTURTIIUMS

We are offering in this collection seven of the most beautiful colors in Dwarf Nasturtiums, postpaid, to any address,
Price at this very low price **25 cts.**

FIVE COLLECTIONS FOR \$1.00

SPECIAL OFFER No. 1

One ounce each of the above 7 colors of Dwarf Nasturtiums for \$1.

SPECIAL OFFER No. 2

One ounce each of No. 2100 Livingston's Top-Notch Mixture of Tall Nasturtiums and No. 2130 Livingston's Glory of the Garden Mixture of Dwarf Nasturtiums for 30 cts.

SPECIAL OFFER No. 3

One ounce each of No. 2094 Tall Mixed and No. 2150 Dwarf Mixed Nasturtiums for 25 cts.

Glory of the Garden Mixture

This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known in this favorite annual. This seed will produce a bed or border gorgeous beyond description.

2130 **Glory of the Garden, Finest Mixed.** Pkt. 10 cts., oz. 20 cts., ½ lb. 50 cts., lb. \$1.50.

2150 **Choice Dwarf Mixed.** We handle such large quantities of Dwarf Nasturtiums that we are able to offer this especially choice mixture at a very low price. You should plant this mixture very liberally. Pkt. 5 cts., oz. 15 cts., ½ lb. 40 cts., lb. \$1.25.

Dwarf Queen Nasturtiums

2123 **Mixed.** A gorgeous mixture of all the dwarf or Tom Thumb varieties of the Marble-leaved Queen Nasturtiums. Containing a great number of named varieties as well as numerous other new hybrids not yet sufficiently "fixed" in color to offer separately. Pkt. 5 cts., oz. 25 cts.

Dwarf Lilliput Nasturtiums

This charming and distinct new class has very small flowers and leaves. In growth it is very compact, bushy and dwarf, being more so in both respects than the Dwarf Nasturtiums. In colors they are most varied and rich.

Dwarf Queen (Lilliput Hybrids). A dainty type of very dwarf growth, making fine compact little bushes only about 6 inches high. The flowers, although smaller than the regular Nasturtiums, are very brilliant and are produced in a wonderful variety of shades and combinations, including cream, rose, scarlet, orange, crimson—all beautifully blotched.

2131 **Mixed Colors.** Pkt. 10 cts., oz. 25 cts.

MRS. J. S. WHITE, Portage County, Ohio, writes: *I can truthfully say that I never had as much success with other seeds as yours, and my flowers were perfectly gorgeous.*

MISS SUSIE PORTER, Coshocton County, Ohio, writes: *Livingston's seeds are the best I ever planted. The Zinnias are the finest I ever saw. My friends all say they don't see how I raise such fine flowers, but I say "True Blue" Seeds are the secret of my success.*

Livingston's Mammoth Pansies

Our Pansy seeds are grown for us by the best American and European specialists. All our strains are from the most noted seed stocks in the world, and we know they cannot fail to give the most unbounded satisfaction to amateurs and professional growers. Sow in the house, hotbed, or greenhouse; or as soon as the weather permits, the seed may be sown directly in the garden bed. Pansies thrive best in a rich soil and cool, moist situation; they do splendidly in partially shaded places. They do not do well under trees, but in some locations where the sun strikes only part of each day the most satisfactory results can be obtained. Seed sown from July to September and the young plants transplanted into coldframes for the winter, will bloom grandly very early the following spring.

Prices by ounce or larger quantities will be quoted upon application. Leaflet on the culture of Pansies free to customers



Swiss Giant Pansy

2180 SWISS GIANTS. *New.* Swiss Giants are of recent introduction, coming direct from Switzerland. This mammoth *New* strain, often measuring 3½ inches across, is composed of well-rounded, perfectly shaped flowers, thick velvety petals, with a wide range of colorings and markings. It includes the richest reds, coppers, bronzes, and yellows, together with the delicate rose-pinks and those beautiful light blues so much desired in Pansies. One of the outstanding features of this wonderful strain is that the long, stiff stems hold the flowers well above the foliage; and the fact that the blooms retain their size almost throughout the season, makes it most valuable as a cut-flower as well as for bedding. Pkt. 50 cts., ⅙oz. \$2, ⅓oz. \$2.75.

MRS. MARGUERITE RICKENBACH, Greene County, Ohio, writes: *Enclosed you will find my order and check for seeds. I just wanted to tell you that I ordered a package of your Swiss Giant Pansies last spring and they were the most beautiful things I have ever seen. They were immense in size and of such beautiful colors that they attracted attention for the entire community. I was more than pleased with them for I never dreamed of being able to raise Pansies like that in a garden.*

2175 LIVINGSTON'S EXTRA-FANCY MIXTURE. In this magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems and are distinguished for their gorgeous and varied colorings and beautiful markings. They are of fine substance, velvety texture, perfect form, and giant size, frequently measuring 3 inches in diameter. An unequalled collection of all the finest types. The best, handsomest and most perfect giant-flowering varieties. Pkt. 35 cts., ⅙oz. \$1.25, ⅓oz. \$2.

We are offering something very special in Gladiolus Bulbs on page 72. Splendid varieties in strictly first-sized bulbs. Anyone can succeed with "Glads." They are so easy to grow, have such wonderful blooms, in size and in colors, and the bulbs can be saved for another season. You will not miss it on a trial order of some of these bulbs.

2177 LIVINGSTON'S GIANT TRIMARDEAU MIXTURE. These are among the largest flowered of all Pansies. This splendid mixture is a blended combination of Giant-flowering Pansies. A most showy class of robust and very compact growth. It contains all colors and will prove a delightful surprise because of their great size. The flowers are carried well above the leaves, on long stems. Pkt. 10 cts., ⅓oz. 75 cts.

2179 Exquisite Orchid-flowered. All Shades Mixed. Orchid-flowered Pansies are not so large as some of our Giant strains; but they will appeal by their exquisite coloring and the elegant shape of their flowers. Pkt. 10 cts., ⅓oz. 60 cts.

2225 BEDDING PANSIES. These are among the prettiest of the Pansies, and are valuable for making beds where the size of the flowers do not count so much. They are very floriferous, and the range of colors is very good. They will make a rich display. Pkt. 5 cts., ⅓oz. 35 cts.

2181 GIANT RUFFLED MASTERPIECE. A remarkable type, the border of each petal being conspicuously curled and undulated, which gives the flower a double or globular appearance. The large blooms are beautifully blotched. Pkt. 15 cts., ⅓oz. 60 cts.

Giant Pansies in Separate Colors

We are offering Giant Pansies in separate colors, that you may perfect your color scheme with these dainty flowers.

	Pkt.		Pkt.
2210 Giant Red.....	\$0 10	2213 Giant Black.....	\$0 10
2211 Giant White....	10	2214 Giant Yellow....	10
2212 Giant Blue.....	10	2215 Giant Purple....	10

Giant Six Pansy Collection. This collection contains 1 pkt. each of the above Giant-flowering Pansies for 50c.



Extra-Fancy Pansy



Iceland Poppies

- 2318 **American Legion.** *New.* In this we have one of the most beautiful of all Shirley Poppies. A brilliant orange-scarlet with yellow anthers. Very large, free-flowering sort. A bed of this is beautiful beyond description. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.
- 2323 **Tulip Poppies.** Large and splendid single flowers of the most dazzling scarlet. The two outer petals resemble a saucer, in which are set two erect petals of the same color. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Perennial Poppies

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

- 2330 **Iceland** (*Papaver nudicaule*). These Poppies are perfectly hardy and in bloom from June until frost; beautiful satin-like flowers, of every shade of yellow, white, and orange-scarlet. Plants grow about 1 foot high, forming tufts, from which the flower stems issue most profusely. Very useful for cut-flowers. Easy to grow. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.
- 2332 **Double Mixed Iceland.** This splendid mixture of double-flowering varieties you will find very superior. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
- 2333 **Large Oriental.** Perhaps the most popular variety in cultivation, the sturdy plants growing about 3 feet high. Its color, a dazzling scarlet with coal-black blotches, is grand. For gorgeous effect, nothing can equal them in perfectly hardy plants. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.
- 2336 **Princess Victoria Louise.** Beautiful salmon-pink. Pkt. 15 cts.
- 2335 **ORIENTAL HYBRIDS.** Splendid hybrids of the Oriental Poppy. Enormous flowers, sometimes more than 6 inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson, and innumerable others equally fine. Our mixture contains them all. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 45 cts.

PLATYCODON (Chinese Bellflower). Very handsome perennial border plant of the campanula family. The flowers in bud have the appearance of inflated balloons. Blooms from June to September.

- 2297 **Grandiflora.** Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

LIVINGSTON'S TRUE BLUE SEEDS ARE BEST
BY ANY TEST

Poppies

The recent development of these old-fashioned flowers has brought them into great and deserved popularity. No flower in our garden affords a more pleasing display of gorgeously brilliant colorings during the blooming season. Poppies of the different varieties grow about 2 feet in height, except as noted.

Double Annual Poppies

- 2300 **Peony-flowered.** Large, showy, double, globular flowers, almost equal to peonies. Our mixture contains the finest colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 40 cts.
- 2308 **Carnation-flowered.** Splendid, large, double flowers, showy and beautifully fringed. Mixture is unequalled for dazzling richness and great variety of colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 2311 **LIVINGSTON'S GIANT DOUBLE MIXED.** A mixture of beautiful double Poppies, including only the improved double, giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. When grown in masses it is brilliant beyond description. The plants are sturdy, thrifty growers from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Sow the seeds in the early spring in sandy soil where they are to remain. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts., oz. 40 cts.

Single Annual Poppies

- 2316 **LIVINGSTON'S GIANT SHIRLEY.** These are considered by many the most charming Poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled and in the sun appear like crumpled satin. The exquisite colors range from purest white to the deepest of blood-red, through all the shades and combinations of pink, rose, crimson, and carmine. Pkt. 5c., $\frac{1}{4}$ oz. 20c., oz. 40c.

Oriental Poppy (*Papaver orientale*)

Portulaca (Sun Plant)

Should be sown in every garden. Scarcely any annual in cultivation makes such dazzling display of beauty as a bed of highly colored, many-hued Portulacas. Plant in dry, sandy soil, soon as it becomes warm, with full exposure to the sun.

- 2340 **Large-flowering Single Mixed.** Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.
- 2342 **Large-flowering Double Mixed.** Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Petunias

Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. They are also good house plants, flowering freely in a sunny window. Seed can be sown in the open ground early in the spring or in a hotbed or coldframe, to be transplanted later to beds or borders.

Large-flowering Petunias

All Large-flowering and Double Petunias should be started indoors and transplanted. Only about 40 to 60 per cent of Double Petunia seed make double flowers. Give the small, weak plants great care; they make the finest boom.

2238 **Livingston's Elite Mixture of Single Petunias.** So much interest is being displayed in Petunias at the present time that we have prepared for our customers, in this splendid mixture, a combination of the large, deep-throated varieties, together with those beautiful fringed and ruffled sorts of dainty colors and markings; also the deep blood-reds (nearly black) and the exquisite rose-pinks, some with yellow borders. We are sure all will be delighted with this wonderful mixture. (See illustration on front cover page.) Pkt. (about 50 seeds) 25 cts., $\frac{1}{8}$ oz. \$1.75.

2239 **Theodosia.** The all-purpose single ruffled Petunia. Color is a rosy pink, with a golden throat which contains minute stripes. It is a wonderfully free bloomer and is adapted for either bedding or pot-culture. Pkt. (50 seeds) 25 cts.

2240 **Livingston's Superb Single Mixed.** Flowers most varied in colors and markings, beautifully ruffled, fringed and of enormous size. Pkt. 15 cts.

2241 **Dwarf Giants of California.** A dwarf, sturdy-growing type especially suited to pot-culture. Beautifully ruffled and fringed, with open, well-marked throats. A mixture of most desirable colors. Pkt. (50 seeds) 20c.

2242 **Giants of California.** These Petunias are of great beauty and luxuriance, including fringed and deep-throated sorts in endless variety of colors, veinings and markings. Pkt. 15 cts.

2243 **Coppery Red.** Very attractive new shade having giant ruffled flowers with bronze throats. Pkt. (50 seeds) 25 cts.

2244 **Ruffled Giants.** The flowers of this strain are of extraordinary size and great substance; the edges of the blooms ruffled. Pkt. 15 cts.

2246 **Livingston's Superb Double Mixed.** Our best mixture of all the large-flowering double varieties including striped, blotched and fringed sorts. Pkt. (25 seeds) 25 cts.

2248 **Pride of Portland.** A deep rose-pink with throat varying from white to rich yellow. Very large, round flower with finely fringed edge. Pkt. 20 cts.

HOTKAPS. Try some Hotkaps to protect your early plants from frost, wind, rain, and insects. Thousands of them are being used by large growers. They are offered on page 68.



Large-flowering Petunias

Bedding Petunias

2245 **Rosy Morn.** A soft carmine-pink with white throat. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

2247 **Rose of Heaven.** A compact grower, darker than Rosy Morn. It is a rich bright rose with inconspicuous white throat, a free bloomer. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

2250 **Howard's Star-Shaped.** The five-petaled blooms have star-shaped markings of blush-pink or white over maroon ground. Pkt. 5 cts., $\frac{1}{8}$ oz. 35 cts.

2256 **Striped and Blotched.** A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt. 5 cts., $\frac{1}{8}$ oz. 35 cts.

2258 **Finest Mixed.** A choice mixture of colors and shades. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Balcony Petunias

The Balcony Petunias are, perhaps, the most floriferous of all Petunias. They can be depended upon to give an unsurpassed floral effect throughout the summer and fall. They are most effective when used among rock-work, on dry banks, or for window or porch-boxes, but do equally well when used as a border or for bedding. They are the most beautiful of their class, the flowers being a solid color without veinings or markings, and covered with a rich velvety sheen.

2259 **White.** Pure white. 2261 **Red.** Very brilliant.
2260 **Rose.** Bright rose, 2262 **Blue.** Rich shade.
white throat. 2263 **Mixed.** All colors.

Price of above, each, pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Phlox

For a splendid mass of color and a constant display, *Phlox Drummondii* is not excelled by any other annual. It has every desirable quality for this purpose and for beds, edgings and massings nothing can surpass it. Seed may be sown in the open ground any time after danger from frost is past.

2269 **Bright Rose.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2270 **Brilliant Scarlet.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2271 **Crimson.** Brilliant. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2273 **Pure White.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2274 **Yellow.** Distinct. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2267 **LIVINGSTON'S PRIZE MIXTURE.** Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.

2265 **Common Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

2278 **Mixed Star-Shaped.** Long, pointed petals, which give a star-like appearance. Pkt. 5 cts., $\frac{1}{8}$ oz. 25 cts.

2285 **HARDY PERENNIAL PHLOX (P. decussata).** Hardy herbaceous perennial and quite distinct from the varieties above. Seed is slow to germinate. Seedlings may not appear for a year. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts.



Phlox Drummondii



Pyrethrum hybridum, Single

Ricinus (Castor-Oil Bean)

- 2370 **Zanzibarensis**. A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.
- 2371 **Bourboniensis**. Very large and most showy green foliage. A standard variety. Height, 10 to 15 feet. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.
- 2372 **Cambogensis**. Main stem and leaf-stalks shining ebony-black; leaves large and brilliantly colored. Foliage assumes various shades. Height, 5 feet. Pkt. 5 cts., oz. 20 cts.
- 2373 **Gibsoni**. Compact-growing variety of branching habit. The large leaves are a deep red. Height, 5 feet. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.
- 2377 **Livingston's Ricinus Mixture**. Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Salvia (Flowering Sage)

Very ornamental plant for summer and autumn flowering, and continues to bloom in the open ground until hard frosts, forming compact bushes which are literally ablaze with brilliant flowers. The plants may be started in a box in the house or in the hotbed, and when the weather becomes warm transplant in the garden. Height, $1\frac{1}{2}$ to 3 feet. (See illustration.) May be used as a hedge with striking effect.

- 2384 **SPLENDENS GRANDIFLORA (Scarlet Sage)**. Gorgeous flowers; numerous spikes of intensely vivid scarlet plants 10 to 12 inches in length. Continues to flower profusely all summer and fall; of easy growth. The most popular Salvia in cultivation. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.
- 2386 **BONFIRE**. Plants form healthy bushes about 2 feet high by 2 feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of a most brilliant, dazzling scarlet. One of the finest sorts. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
- 2388 **AMERICA (Globe of Fire)**. A free and continuous bloomer. The uniformity in habit of growth makes it valuable for bedding or planting in line. Height, $1\frac{1}{2}$ feet. Pkt. 15 cts.
- 2398 **Zurich**. Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. A little beauty. Pkt. 10 cts.

Primulas (Primroses)

The ease with which Primroses can be grown from seed makes them very popular window plants. For a succession of blooming plants sow the seed from March to May, and again in July or August; in planting, cover the seed lightly, and keep moist. Transplant when the second leaf appears, and keep re-potting the plants as they grow and increase in size. Height, $\frac{1}{2}$ to 1 foot.

- 2352 **Obconica grandiflora, Large-flowering Hybrids**. Lovely and profuse blooming Primrose, bearing on long stems large heads of beautiful flowers, white, tinged lilac and rose shades. Pkt. 10 cts., $\frac{1}{8}$ oz. 90 cts.

Pyrethrum

Most attractive hardy perennials which have become very popular. Valuable border plants with many stems about 2 feet high, each surmounted with handsome flowers in the brightest shades of rose, flesh-pink, crimson, etc. In bloom a long time, and are splendid as cut-flowers.

- 2358 **Roseum**. Bright rose. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts.
- 2360 **Album**. White. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts.
- 2361 **Atrosanguineum**. Blood-red. Pkt. 25 cts., $\frac{1}{8}$ oz. 70 cts.
- 2362 **Single Hybrids**. This mixture contains the very largest flowering and choicest varieties. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Salpiglossis (Painted Tongue)

2400 **Mixed**. The Salpiglossis is one of the most popular and favorite annuals. Especially is it noted for its beautiful, almost orchid-like blooms. Our mixture is unsurpassed, containing every desirable color and shade of the large-flowering varieties. Height, $1\frac{1}{2}$ feet. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

- 2401 **SANVITALIA procumbens, Double, Mixed**. Sometimes called creeping miniature Zinnia. A dwarf annual of compact growth with showy bright yellow, double flowers all summer. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

2430 **SENSITIVE PLANT**. A pretty and curious annual plant. The leaves and footstalks close and droop at the slightest touch, or during cloudy, damp weather. Pkt. 5 cts.

- 2432 **SAXIFRAGA, Mixed**. Grows about 1 foot high. Has masses of handsome, broad, deep green foliage. The pink and white flowers appear early in the season. Adapted to rockeries. Pkt. 15 cts.

- 2435 **SMILAX**. Charming, tender perennial climber for house or greenhouse. Pkt. 5 cts., $\frac{1}{8}$ oz. 15 cts.



Salvia splendens grandiflora (Scarlet Sage)



Scabiosa, Large-flowering

Scabiosa

Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower

The seed can be sown any time in the spring after danger from frost is past. The plants grow about 2½ feet high and come into bloom early in June, continuing without interruption until the hard frosts of autumn. The exquisite double flowers are borne on very long stems, and when cut keep in perfect condition for a week.

2402 **SHASTA**. A pure glistening white of enormous size. The magnificent flowers, often measuring 3½ inches across, are borne on long, stiff stems, which makes it valuable as a cut-flower. Pkt. 15 cts., ½oz. 30 cts.

- 2404 **LIVINGSTON'S IMPROVED LARGE-FLOWERING. Finest Mixed.** A very fine mixture, containing all the finest large-flowering Pkt. ½oz. double sorts. All colors\$0 10 \$0 20
- 2406 **Azure Fairy.** Exquisite sky-blue..... 10 20
 - 2408 **Fiery Red.** Very striking..... 10 20
 - 2412 **Snowball.** Double; white flowers..... 10 20
 - 2414 **Golden Yellow.** Very fine color..... 10 20
 - 2418 **Flesh.** Deeply flushed..... 10 20
 - 2420 **Lilac.** One of the best..... 10 20
 - 2421 **Cherry-Red.** Magnificent..... 10 20
 - 2424 **Black Prince.** Exceedingly attractive.. 10 20

Collection: Scabiosas, 8 separate colors above, 60 cts.

2426 **HARDY SCABIOSA CAUCASICA.** Grand hardy perennial, 3 feet high; large lilac-blue flowers; splendid for cut-flowers. Pkt. 10 cts., ⅓oz. 35 cts., ½oz. 65 cts.

2429 **SCARLET RUNNER BEAN.** Ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Excellent climber for porches and trellises. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts.

Stocks (Gilliflower)

Indispensable for bedding, borders, massing, or pot culture.

Large-flowering Double "Cut-and-Come-Again" Varieties

- 2440 **Finest Mixed.** A fine mixture of large-flowering Stocks. The perfectly double flowers embrace many colors and shades. Pkt. 10 cts., ⅓oz. 20 cts., ½oz. 30 cts.
- 2448 **Giant Perfection, Mixed.** Our very best mixture, containing the cream of the list in finest colors and producing long spikes of double flowers. Pkt. 10 cts., ⅓oz. 25 cts., ½oz. 40 cts.

Schizanthus or Butterfly Flower

2427 **Mixed.** Popularly called the "Poor Man's Orchid." It grows from 1 to 1½ feet tall, with fine fern-like foliage, begins to flower early and produces masses of oddly marked and queerly shaped blooms in various shades of blue, purple, and pink, and some pure white. Pkt. 5 cts., ⅓oz. 20 cts.

SHASTA DAISY. A hardy perennial plant; blooms more abundantly each season; multiplied by division of roots or sowing seed. They bloom for several months in great abundance. The flowers are large and graceful, with three or more rows of pure white petals. This is the variety, so generally sold by florists, and no flower garden is complete without it.

2433 **Selected Seed.** Much superior to the original strain. Pkt. 10 cts., ⅓oz. 35 cts.

SNAPDRAGON. See Antirrhinum, page 6.

Statice

Statice is one of the finer flowers for winter bouquets. Dried and used with helichrysum and other straw-flowers, it produces a beautiful effect. Is also very effective when used in the border or rockery.

	Pkt.	½oz.
2450 True Blue	\$0 15	\$0 25
2451 Rosea Superba	15	25
2452 White	15	25
2453 Mixed	15	25

Sunflower (Helianthus)

A well-known family of hardy annuals. Very showy plants, adapted to mixed borders or with shrubbery.

2454 **New Miniature, Beautiful New Hybrids.** Small single flowers in great abundance; colors, creamy white, lemon and orange; indispensable for cutting. Pkt. 5 cts., ½oz. 20 cts.

2456 **Globe of Gold.** Globe-shaped, double, yellow flowers. Pkt. 5 cts., ⅓oz. 15 cts.

2460 **Livingston's Mixture.** A great variety of single and double varieties. Every shade of yellow is included. Pkt. 5 cts., ¼oz. 15 cts., oz. 35 cts.

2436 **STOKESIA cyanea (Cornflower Aster).** A valuable hardy perennial bedding plant. Plants large, 18 to 20 inches high, with bachelor's button-like, light lavender-blue flowers, several inches in diameter, from July until late in October. Pkt. 10 cts., ⅓oz. 25 cts., ½oz. 40 cts.



Stocks

Sweet Peas and How to Grow Them

The question is often asked "Can we grow Sweet Peas in our locality?" There is no question but that you can if you follow a few simple rules. Since the introduction of the Spencer Sweet Pea, in 1904, there has been a most remarkable improvement in both size and form. So wonderful has been the improvement of the Spencer type that Grandifloras, or the old cramped keel types, will soon cease to exist. With this improvement, and the fact that we have learned the secret of growing them with long stems, usually carrying three or four and sometimes five gigantic blooms, beautifully waved and frilled, there has naturally come a renewed interest in this lovely flower. And we say, unhesitatingly, that by following a few simple rules, anyone, anywhere, can have this most beautiful of all flowers with the same long stems carrying the same large waved flowers as the professional produces. With each order (when asked for) we include a leaflet, "Sweet Peas Outdoors," which will give you the advice that will lead to success, but as a foreword, we advise that, when possible, you prepare your soil in the fall. Dig deeply and mix thoroughly with well-rotted manure, bone-meal, or commercial fertilizer containing phosphate and potash. The two most important points in raising Sweet Peas successfully are to secure GOOD SEED, then sow early. We have spent years in testing hundreds of varieties, and, together with our own experience and the advice of the most noted growers, we are offering a selected list of sorts in the widest range of colors, all of the large-flowering, well-waved Spencers, which we believe will please the most critical, at as low a price as selected seed can be produced.

Spencer Sweet Peas, Named Varieties



Beautiful Spencer Type Sweet Peas

2575 MARY PICKFORD is one of the choicest Spencer varieties. It is a sturdy grower, producing an abundance of four-flowered sprays on long, stout stems. A beautiful light and dainty cream-pink, with just the faintest suffusion of salmon, making the color combination difficult to equal. The flowers are perfectly formed, with both standards and wings decidedly waved, and the keel blends nicely with the coloring of the entire flower. Pkt. 15 cts., ½ oz. 25 cts.

2583 KING EDWARD SPENCER. Undoubtedly the largest and best scarlet Sweet Pea to date. The wings are carmine-scarlet, with the reverse side rosy carmine. Pkt. 10 cts., oz. 30 cts.

2578 CAMPFIRE. *New.* The brightest scarlet sun-proof Sweet Pea ever offered. The flowers will stand the hottest sunshine, in fact, the brighter the sun the better the color. Are of fine size and borne in profusion on plants of great vigor. Pkt. 15 cts., oz. 35 cts.

2626 KING WHITE. It is remarkable for the "glistening immaculate purity of the whiteness" and the perfect finish of the flower. While of truly gigantic proportions, the flowers are most exquisitely finished in every detail. The grand flowers are borne almost invariably in "fours." Pkt. 10 cts., oz. 35 cts.

2593 GEORGE SHAWYER. This superb variety is a grand, gigantic, orchid-flowering Spencer. The flowers are well waved, of fine form, with standard orange, shaded salmon, and wings of a pure salmony rose, which makes it most beautiful. Pkt. 10 cts., oz. 35 cts.

2600 WARRIOR. Flowers are very large and of fine form. The color is a rich deep maroon. Those who like the dark shades will appreciate this color. Pkt. 10 cts., oz. 30 cts.

2592 HERCULES. A giant Countess Spencer. The large, well-formed flowers are magnificent and the color beautiful, being a bright clear pink on white ground. One of the best. Pkt. 10 cts., oz. 30 cts.

2590 WHITE SPENCER. Without doubt the largest and most magnificent white Sweet Pea ever introduced. The vines are almost completely covered with mammoth flowers. It is without a rival among white Sweet Peas. Pkt. 10 cts., oz. 30 cts.

2584 ASTA OHN SPENCER. Finest lavender Spencer Sweet Pea grown. Comes remarkably true to type, producing the elegant, bold, wavy flowers in greatest profusion. Pkt. 10 cts., oz. 30 cts.

2601 MRS. TOM JONES. A real azure-blue, beautifully waved; exceedingly attractive. Pkt. 10 cts., oz. 35 cts.

2614 ROYAL PURPLE. The best purple Spencer Sweet Pea. The color is near "royal" purple and deepens and improves as the flowers age, which is a good point in a purple variety. Pkt. 10 cts., oz. 30 cts.

2599 ROYAL SCOTT. A true orange-cerise-scarlet. A very strong grower, producing freely four-flowered stems. No other Sweet Pea approaches it in brilliancy of color. Pkt. 10 cts., oz. 35 cts.

2597 HAWLMARK PINK. An exceptionally free-flowering, vigorous grower of excellent habit. Undoubtedly one of the finest varieties now in cultivation. The color is a rich bright rose-pink, deeply flushed and shaded salmon. Pkt. 10 cts., oz. 35 cts.

2628 WEDGWOOD. A unique shade of lovely light blue. The flowers, of good size and substance, are well waved in both standard and wings. They are borne almost uniformly in four-flowered sprays upon long, stout stems. Pkt. 10 cts., oz. 35 cts.

Mrs. LOUIS ELLMS, Rockingham County, New Hampshire, writes: *I am glad to indorse Livingston's Seeds. They are certainly "True Blue." More wonderful, more beautiful Sweet Peas than those I raised from Livingston's Seed last summer could not be found, and I had seeds from other noted houses, too.*

Spencer Sweet Peas, continued

- 2595 **VALENTINE.** The large, well-formed flowers are of an attractive deep blush-pink color. Beautifully waved and well placed on stout stems. Pkt. 10 cts., oz. 30 cts.
- 2627 **ILLUMINATOR.** It might be described as a rich, glowing cerise-salmon, with an indication of bright orange suffusion. Pkt. 10 cts., oz. 30 cts.
- 2625 **MARGARET ATLEE.** A rosy salmon-pink on a creamy buff ground—a rich soft color, and extremely attractive both as individual flowers and in the bunch. Pkt. 10 cts., oz. 30 cts.

Livingston's
Special Spencer Mixture

This superb mixture is our special pride. During the several years we have sold it, it has been our constant aim to improve and perfect it. The different kinds and sorts contained in this mixture are grown separately, so that we have an opportunity to choose only the largest and most beautiful varieties. These we mix ourselves in proper proportions for the most brilliant effect. It embraces the finest Spencer varieties, as well as the latest novelties, and will produce a great abundance of giant flowers of beautiful colors. Some are edged, mottled, blended, flaked, and striped. Without exception, this is the very finest mixture it is possible to make. We recommend the buying of these seeds by weight, and planting liberally.

2540 **Special Mixture.** Pkt. 10 cts., oz. 30 cts., ¼lb. \$1.

Spencer Mixed

2630 Many of the best named sorts, also some rare new hybrids in lavender, blue, striped, mottled, purple, maroon, and many other shades are included in this good mixture. All flowers are of large size, typically frilled and waved, and very lovely. Pkt. 10 cts., oz. 35 cts., ¼lb. 80 cts.



Extra-Early Flowering Spencer Sweet Peas

Livingston's Gilt-Edge Mixture of
Grandiflora Varieties

This is a very superior mixture, made up of over 50 of the finest named varieties of this older type. All are bright colors.

2542 **Gilt-Edge Mixture.** Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts.

Livingston's Special Collection of
Spencer Sweet Peas

- 2584 **Asta Ohn Spencer.** Finest lavender.
- 2614 **Royal Purple.** The best purple Spencer.
- 2600 **Warrior.** Rich deep maroon.
- 2590 **White Spencer.** Largest white.
- 2601 **Mrs. Tom Jones.** A real azure-blue.
- 2592 **Hercules.** Bright clear pink.
- 2593 **George Shawyer.** Orange, shaded salmon.

Seven Liberal Packets for 50 cts.,
Postpaid

The above Collection is fully described on page 26

If purchased separately this Collection would cost 70c.

Use **Nod-O-Gen** to inoculate your Sweet Peas. See page 68. No. 9 is the right kind. Small bottle, 50 cts., postpaid.

Du Bay Semesan is the right disinfectant for all seeds. Makes good seeds grow better. See page 68.

C. H. LEHEW, Tyler County, West Virginia, writes, August 5, 1929: *I have been buying my garden seeds from Livingston's for over 40 years.*

J. J. POTTER, Madison County, New York, writes: *All the seeds that I received from you last year were fine. I had a wonderful garden.*

Extra-Early Flowering Spencers

It has been the opinion of some that this class of Spencers does well only under greenhouse culture, but this is a mistaken idea. The Extra-Early Flowering type does equally well outside, the only difference being that the blossoms are just a very little smaller. By planting the Standard Spencer and Extra-Early Flowering in our trial-grounds at the same time, we found that the latter was in full bloom fully two weeks ahead of the Standard Spencers. In selecting to this early type, we have not lost any of the Spencer characteristics. Three, and quite often four, large blooms are borne to the stem, the same as with the Standard or Late Spencer. These Extra-Early Sweet Peas are a real addition to the garden of those who want flowers early.

	Pkt.	Oz.
2561 Glitters. Cerise-scarlet.....	\$0 15	\$0 75
2562 Harmony. Clear lavender.....	15	85
2563 Torch. Salmon-orange.....	15	75
2564 Zvolanek's Pink. Rose-pink.....	15	80
2568 Superior Pink. Rose-pink.....	15	1 00
2569 Burpee's Orange. Best in this color....	15	75
2571 Early King. True crimson.....	15	75
2572 White Harmony. Black-seeded.....	15	1 00
2570 Blue Boy. A clear blue.....	15	85
2567 Extra-Early Flowering. Mixed.....	15	70

Hardy Sweet Peas (*Lathyrus latifolius*)

Showy, free-flowering perennial. Blooms continuously from early spring until midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet, and bearing large clusters of beautiful flowers.

- 2550 **White.** Pearly white. 2552 **Red.** Reddish purple.
- 2551 **Pink.** Rich rose-pink.

Above separate colors, pkt. 15 cts., ¼oz. 35 cts.

2553 **Mixed.** All colors mixed. Pkt. 10 cts., ¼oz. 25 cts.

Sweet William (*Dianthus barbatus*)

A very attractive class of easily grown and most beautiful plants of extreme richness and diversity of colors, deliciously sweet-scented. For cut-flowers they are not surpassed. Hardy perennial. Height, 1 to 1½ feet.

2637 LIVINGSTON'S MIRACLE MIXTURE. An improved strain with exceptionally large, symmetrical heads, of every conceivable color and shade, from white through the different shades of pink to the deepest blood-red, some flowers appearing almost black, while others show white, pink, red, and striped flowers—all on the same head. A bed of these is beautiful beyond description. We offer it in mixture only. Pkt. 15 cts., ½oz. 30 cts.

2640 Holborn Glory. This strain is a large-flowered selection of the Auricula-eyed section, but most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, and the range of color, all showing a clear, white eye, is superb. Pkt. 10 cts., ½oz. 20 cts.

2643 Double Mixed. This mixture you will find of very superior quality, containing all colors and shades. Pkt. 5 cts., ½oz. 20 cts.

2646 Single Mixed. A very choice assortment of all the best single-flowering varieties. Pkt. 5 cts., ½oz. 15 cts.

2648 DOUBLE and SINGLE MIXED. This mixture is made by blending the double and single-flowering varieties. Pkt. 5 cts., ½oz. 20 cts., oz. 60 cts.

2654 THUNBERGIA, Mixed. Rapid-growing annual climber, with pretty buff, white and orange flowers of various shades, with a dark center or eye. Adapted for vases, hanging-baskets, trellises, etc. Pkt. 5 cts.

2656 TUNICA Saxifraga. A pretty little plant with light pink flowers, lasting all summer. Adapted to rocky or mixed border. Pkt. 10 cts.

2658 VALERIANA (Hardy Garden Heliotrope), Mixed. Showy plants; grow in any garden soil; do well in the shade. Hardy perennial; grows 2 feet high. Pkt. 5 cts., ½oz. 20 cts.

2660 VERONICA (Speedwell), Mixed. Among the prettiest of herbaceous plants, bearing large blue flowers, which are usually welcome. Height, 2 to 3 feet. Pkt. 10c.

MR. and MRS. A. C. ROLFE, Logan County, Ohio, write: Last year we bought and planted quite a few of your seeds and were so well pleased with the results that we feel we can recommend them to our customers for their own use.



Sweet William, Livingston's Miracle Mixture. Pkt. 15 cts.

VINCA (Periwinkle). Free-flowering, bushy plants, with glossy foliage and beautiful circular flowers. In sunny situations they bloom all summer; if potted before frost, will bloom in winter. Very easily grown, blooming profusely the first season from seed. A very fine mixture of all colors. Half-hardy perennials. Height, 1½ feet.

2677 **Rosea album.** 2679 **Rosea.**
2678 **Alba.** 2680 **Mixed.**

Any of above Vincas, pkt. 5 cts., ½oz. 30 cts.

VIOLET. Sweet-scented Violets are easily grown from seed, and if you can plant them in a cool and moist situation, so much the better. All varieties are of great beauty.

2682 **Sweet-scented.** Violet-blue. Pkt. 10 cts., ¼oz. 35 cts.

CHINESE WOOLFLOWER. Belongs to the celosia family. The plants average about 18 inches to 2 feet in height and shoot many laterals, each of which forms an oval-shaped flower-head. Very fine.

2694 **Mixed.** All colors. Pkt. 10 cts., ½oz. 20 cts.

2695 **Pink.** Pkt. 10 cts., ½oz. 30 cts.

2696 **Crimson.** Vivid crimson. Pkt. 10 cts., ½oz. 30 cts.

2697 XERANTHEMUM (Everlasting Flowers), Mixed. Very desirable. Easy to grow. Leaves covered with silvery down. Hardy annual. Height, 2 feet. A very fine mixture of colors. Pkt. 5 cts., ½oz. 20 cts.

See Flower Seed Collections, inside front cover

Livingston's Mammoth Verbenas

Verbenas are much more vigorous and free flowering if raised from seed than if grown from cuttings. The plants thrive in any good garden soil and are low, spreading, forming a carpet of green foliage which makes a dense background for the brilliantly colored flowers, ranging in color from snow-white, through the different beautiful shades of pink and blue, to the deepest red. The flower-heads are large, on fairly long stems. Cut the flowers as they begin to fade and they will bloom much more abundantly. Our carefully selected and improved strain produces flower-trusses of exceptional size.

2662 **Mammoth Defiance.** Bright, rich scarlet flowers; small leaves. Pkt. 10 cts., ½oz. 25 cts.

2663 **Mammoth Blue Varieties.** Showy; distinctive; fine for edgings. Pkt. 10 cts., ½oz. 25 cts.

2664 **Mammoth Striped Varieties.** Beautiful; a rich collection. Pkt. 10 cts., ½oz. 25 cts.

2665 **Mammoth Pink Shades.** Many very brilliant shades of pink. Pkt. 10 cts., ½oz. 25 cts.

2666 **Mammoth Pure White.** Large trusses of purest white flowers. Pkt. 10 cts., ½oz. 25 cts.

2668 **Mammoth Purple.** Deep royal purple. Pkt. 10c., ½oz. 25 cts.

Collection: One pkt. each above 6 Verbenas, 50 cts.

2670 LIVINGSTON'S MAMMOTH MIXED VERBENAS. Our strain of these elegant mammoth-flowering Verbenas will make beds and borders of the greatest brilliancy in the garden. For enormous flowers of rich and superb colors our mixture is unsurpassed. It contains every desirable color and shade. Pkt. 10 cts., ½oz. 25 cts., ¼oz. 40 cts., oz. \$1.35.



Livingston's Mammoth Verbenas



Dahlia-flowered Zinnia

Livingston's Mammoth-Flowering Prize

This splendid large-flowering Zinnia represents the very highest perfection in this flower, and for perfect doubleness, large size, as well as the great variety of colors and shades, is unsurpassed except by the Dahlia-flowered. The difference, however, is largely a matter of size.

2700 **Crimson.** 2704 **Pure White.**
2701 **Dark Purple.** 2706 **Golden Yellow.**
2702 **Flesh-Pink.** 2707 **Scarlet.**

Any of above colors, each, pkt. 5c., 1/4oz. 25c.

ZINNIA COLLECTION: One pkt. each of the above 6 colors, 25 cts.

2710 **LIVINGSTON'S MAMMOTH-FLOWERING PRIZE MIXTURE.** Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. We are quite sure this grand mixture cannot be surpassed. Pkt. 5 cts., 1/4oz. 20 cts., oz. 50 cts.

2723 Curled or Crested Zinnias

A fine strain with large, double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt. 5 cts., 1/4oz. 25 cts.

Double Pompon Zinnias

2727 **All Colors Mixed.** These Zinnias grow 2 feet high and are sturdy and bushy. They are also called "Lilliput" on account of their beautiful little flowers, which are very double and cone-shaped. Pkt. 5 cts., 1/4oz. 30 cts.

Zinnias

Double Dahlia-Flowered

This splendid new Zinnia will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2 1/2 to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2 1/2 to 3 inches deep, very similar in appearance and form to the double Decorative Dahlia. Our mixture has a wonderful range of color, including white and all the different shades of pink, scarlet, crimson, yellow, orange, etc. You should by all means have a bed or border of these new Zinnias this next season; you will be delighted with them.

Dahlia-Flowered Zinnias in Color

2713 **Oriole.** Orange and gold bicolor.

2714 **Exquisite.** Tyrian-rose.

2715 **Golden State.** Orange-yellow.

2716 **Polar Bear.** Pure white.

2717 **Crimson Monarch.** Crimson.

2719 **Scarlet Flame.** Bright scarlet.

2720 **Lemon Beauty.** A pastel shade.

2721 **Dream.** Deep lavender.

2722 **Purple Prince.** Rhodanthe-purple.

Any of the above 9 colors, each, pkt. 20 cts., 1/8oz. 40 cts.

COLLECTION: One pkt. each of above 9 colors, \$1.50

2712 Livingston's Special Mixture, Dahlia-Flowered Zinnia

Our special mixture of this new type of Zinnia is made up from separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best. Pkt. 15 cts., 1/4oz. 50 cts.

2708 Double Dahlia-Flowered, Mixed

This is a splendid mixture of the Dahlia-flowered type, and while the flowers are large and range of color good, it is not to be compared with our Special Mixture. Pkt. 10 cts., 1/4oz. 40 cts.

MRS. E. H. MARSHALL, Clark County, Ohio, writes: *We have used your seeds in the past with highly satisfactory results.*



Giant Mammoth Zinnia

Livingston's "True Blue" Vegetable Seeds



We are listing such varieties as are of real merit in some section or other, but are cutting out such sorts as are being replaced by others of greater value. It is our constant aim to secure all varieties true to the type as originally introduced. Our trial-grounds, on our own farms, help us to know about the purity of the stocks we are supplying.

Cultural directions will be found at the heading of each class of vegetables, and also on most of our packets. These directions, while reliable, will not apply in every detail to the extreme sections of the United States, and therefore some allowance must be made for the difference in latitude.

We also send free to our customers, on application, a cultural leaflet, "The Vegetable Garden," which is of value to beginners.

Spargel **Asparagus** Esparragos

A most delicious and health-giving plant, but it is best when fresh cut and cooked at once. By all means have a bed of it handy to the kitchen. It comes about as early as rhubarb (pie-plant), and the two make good spring "medicine"—neither one "hard to take." Good, rich, sandy soil is best, but it is so hardy it will grow and live year after year almost anywhere. For small gardens, one-year-old plants are quickest. Seed is cheapest, but takes a year longer. Set plants about a foot or so apart each way, with the crown about 4 inches below the surface. Cover the bed with manure in the autumn and dig it in early in the spring. Fifty to a hundred plants are about right for a family garden. For more details or for larger plantings, we send leaflet free to customers, if requested.

One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce

Washington Rust-Proof. The daddy of all the rust-resistant varieties, and the first one of this class. Our stock of this variety was grown from originator's stock. It is a fast-growing, exceedingly tender sort of excellent flavor and of a beautiful dark green color, tinged with purple. Very hardy, producing a crop in soil where the old-time varieties were ruined with the fatal rust disease. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

PALMETTO. A popular sort and will continue to be grown where the ground is not infected with the rust disease. While it does not produce as large stalks as the Washington strains, there are more of them. It is an early, dark green variety, having pointed tips. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Mary Washington. This variety seems to be the top-notch in the rust-resistant sorts. It is very early, producing large shoots even the second year from seed. Shoots are very large, frequently an inch in diameter, with a tendency to be oval in cross-section. The high-branching habit of this variety makes it possible to cut shoots, with good tight tip buds, as much as 2 feet long. The seeds of Mary Washington are large and produce strong, thrifty seedlings right from the start. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Broccoli

Spargetohl Broccoli

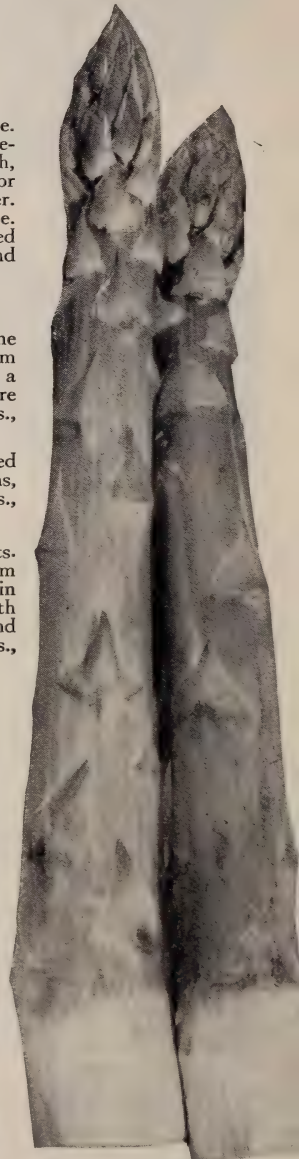
Belongs to the same family as the cauliflower, but of a little coarser texture. More hardy and therefore better adapted to a wider range of conditions. The new Green Sprouting types are quite different in manner of growth, as shown in illustration. Sow the seed in the same manner as for late cabbage, in May, and transplant in June or July, in very rich soil about $2\frac{1}{2}$ by $1\frac{1}{2}$ feet apart.

EARLY LARGE WHITE. Similar to cauliflower, but is more hardy. Heads medium size, close and compact. One of the most certain to head. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

Italian Green Sprouting. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. Ready for market in about 90 days. Our stock comes direct from an Italian grower. Pkt. 25 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1.



Green Sprouting Broccoli



Mary Washington Asparagus

Garden Beans

Our strains are produced by the best growers in this country. They make a specialty of growing for seed purposes. The fields are carefully inspected to find and remove any mixtures each year, and the seed is hand picked, so that our stock will be found first-class in every way.

How to Grow. Plant Dwarf Beans in small gardens, in rows 2½ feet apart, and three or four Beans in a hill about a foot apart in the rows. Cover the Beans with 2 inches of soil and press it down firmly, to aid in germination. For a continuous supply, plant about May 15 and every ten days until August.

Our Bean prices include postage up to two pounds. If the larger quantities are wanted sent by mail, remit additional amount at the parcel post rates.

Two pounds (1 qt.) will plant a row 200 feet long; 1 to 2 bushels an acre

Green-Podded Dwarf Beans

Full Measure. A comparatively new sort worth trying. It is ready for table use a few days later than Stringless Green-Pod, and very productive, as indicated by its name. The fine stringless green pod is about 6 inches long, straight, very fleshy, round, and crease-backed. When dry, the Bean is similar to the Red Valentine and should be used in place of it. Popular for home-gardens as well as market-gardens. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.25, 15 lbs. \$4.50.

Stringless Green Refugee. Quite similar to the Late Refugee or 1,000-to-1, except that it is stringless. It has a slender, light green pod, slightly curved, about 5 inches long, of good quality. A good yielder, coming into bearing late. Popular for canning. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$2.20, 15 lbs. \$3.75.

Refugee or 1,000-to-1. A good old late canning sort with round pods, but inclined to be stringy except when quite young. Pkt. 10c., ½lb. 25c., lb. 40c., postpaid. By express, not prepaid, 7 lbs. \$1.90, 15 lbs. \$3.50.

Hopkins Earliest Red Valentine. The finest strain of the old Red Valentine type, but is being superseded by such varieties as Stringless Green-Pod and Full Measure. Pod about 5 inches long, round, with some string. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.90, 15 lbs. \$3.50.

Tennessee Green-Pod. A large, flat-podded variety, having strings, but of such good quality that it is popular where well known. Pod 6 to 7 inches long, curved, irregular, and dark green. Pkt. 10c., ½lb. 25c., lb. 45c., postpaid. By express, not prepaid, 7 lbs. \$2.20, 15 lbs. \$3.75.

Black Valentine. Beautiful pods and lots of them, but tough, except when very young. Should not be planted in home-gardens but is adapted to long-distance shipping. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.75, 15 lbs. \$3.25.

French Horticultural. Vine erect, compact, with slight tendency to throw short runners. Pods beautifully marked vivid crimson, 7 to 8 inches long, broad, stringy, and fibrous. Not edible. Green shelled Beans of finest quality. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.50, 15 lbs. \$4.30.

Dwarf Horticultural (SPECKLED CRANBERRY). Especially good as green shelled Beans, or may be cooked dry. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.90, 15 lbs. \$3.50.

Bountiful. If you like a flat green-podded Bean, the Bountiful is sure to please you. It has a beautiful, light green, semi-round, straight, stringless pod, 6 to 7 inches long. Begins bearing quite early and lasts a long time. A hardy, early, productive sort, growing about 15 inches high. Used extensively in home-gardens, and by market gardeners, North and South. The dry Beans are light yellow, and may be boiled. Pkt. 10 cts., ½lb. 30c., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.

White Marrowfat. Several times larger than Robust Pea Bean, and especially adapted to baking, or may be used as green shelled. Pod not edible. Pure white Beans of fine flavor. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 15 lbs. \$3.

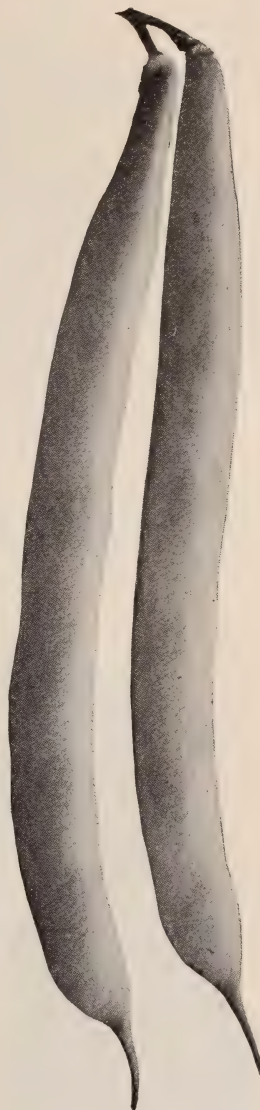
White Kidney. Still larger than the Marrowfat, and pure white. The big, fat, green-shelled Beans are delicious, and as dry Beans they cook as quickly as potatoes. Pkt. 10c., ½lb. 25c., lb. 40c., ppd. By express, not prepaid, 7 lbs. \$1.75, 15 lbs. \$3.25.

Giant Stringless Green-Pod. Larger and later than the Stringless Green-Pod, a round, light green pod 6 inches long, quite straight, not very pretty, but of fine quality. Used extensively for canning. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.

Stringless Green-Pod. If a round-podded green Bean is preferred, the Stringless Green-Pod is the finest. It is a strong-growing, dark green, foliage sort, with round, meaty, brittle, slightly curved pods of highest quality, that simply refuse to get stringy even when old enough to shell. Most popular of all round-pod green varieties for home- and market-gardens, also canning. Dry Beans dark brown. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.



Stringless Green-Pod Beans



Bountiful Beans

Wax-Podded Dwarf Varieties

LIVINGSTON'S PENCIL-POD WAX (Refugee Wax). It has Refugee blood in it, and, of course, it is hardy, but, unlike Refugee, the Pencil-Pod is stringless. It is tender and fine in quality and the beautiful pods are smooth, straight, and round. Medium early. A good home-garden sort. Pkt. 10c., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.90, 15 lbs. \$3.50.

WARDWELL'S KIDNEY WAX. This is the handsomest of the flat-podded Wax Beans, and very popular with gardeners, as they sell on sight. The pods are straight, 6 inches long, broad, flat, stringless, and light yellow in color—almost transparent. Rather tender but productive. Best flat-podded variety for home-gardens. Fifty days from planting to table. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$2.20, 15 lbs. \$3.80.

KEENEY'S RUSTLESS GOLDEN WAX. Mr. Keeney says: "This is the only absolutely rustproof early Wax Bean we ever grew in New York State." An improvement over older types. Has a thick, flat, yellow pod $4\frac{1}{2}$ inches long, and stringless. For home-gardens and canning. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid.

Davis White Wax. Has a beautiful flat yellow pod which will stand shipping. It is too tough, however, for home-gardens. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$2, 15 lbs. \$3.65.

LIVINGSTON'S HARDY WAX. A good strong grower, producing round, yellow, meaty, tender, stringless pods of fine flavor, and about $4\frac{1}{2}$ inches long in 51 days. Adapted to home-gardens. Pkt. 10c., $\frac{1}{2}$ lb. 30c., lb. 50c., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.

IMPROVED PENCIL-POD BLACK WAX. The old, original Black Wax was never beaten for quality. This Pencil-Pod strain has a better shaped and longer pod. Fine for home-gardens. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45c. By express, not prepaid, 7 lbs. \$2.20, 15 lbs. \$3.80.

Inoculate this seed with Nod-O-Gen. (See page 68.)

Mrs. L. C. ODELL, Ontario, Canada, writes: *We are very pleased with your seeds and always watch for your catalogue.*

Wardwell's
Kidney
Wax

Unrivaled Wax. This very productive sort is ready in about 60 days from planting. The beautiful light yellow pods are $5\frac{1}{2}$ inches long, semi-flat, fleshy, of fine texture and flavor. A vigorous grower; almost blightproof. Popular with gardeners and well adapted to home-gardens. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.

WEBBER WAX (Crackerjack Wax). A high-quality early variety. Bright yellow pods 6 to $6\frac{1}{2}$ inches long, quite broad and uniformly curved, fleshy, stringless and brittle. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid.

IMPROVED GOLDEN WAX. An old-timer but rather out of date now. Has 4-inch flat yellow pods. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid.

SURE-CROP WAX. As its name indicates, a thrifty, hardy sort and very popular with gardeners. A big-yielding, semi-round, long-podded, deep yellow, stringless variety. Everybody should plant some Sure-Crop. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 15 lbs. \$4.25.

Unrivaled
Wax Bean

Mrs. J. O. MORRIS, Tennessee, writes: *I have about decided I shall never plant any seeds unless I can have Livingston's—they never fail.*

Bush Lima Beans

Burpee's Improved. This has uniformly larger pods than the original Burpee's Bush Lima and the Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven, the individual pods averaging 5 inches long and containing up to six Beans. The Beans are thin-skinned and of delightful flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.90, 14 lbs. \$3.50.

New Wonder (Quarter Century; Burpee's Bush Lima.) Pods smaller than Burpee's Improved; Beans slightly smaller; a few days earlier, and quite productive. A sure cropper. Very true to bush form. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.75, 14 lbs. \$3.25.

HENDERSON'S. The Baby Lima. Beans and pods are small. Very productive and a sure cropper. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid.

WOOD'S PROLIFIC. An improved Henderson's Bush Lima, as the Beans are larger and thicker. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid.

Fordhook. The one best Bush Lima. Outsell all others. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The Beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and contain usually four tender Beans of a delightful flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.45, 14 lbs. \$4.50.

Ask for special prices on Beans in larger quantities



Fordhook Lima Beans

Pole Lima Beans

Lima Beans will not grow until the weather and ground are warm. If planted before, they are almost sure to rot in the ground. See cultural directions for Pole Beans below.

One pound of medium-sized Lima Beans will plant 150 hills, three Beans to the hill
Prices on Beans include postage up to and including 1 pound

Early Leviathan. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green Beans of excellent quality. Very productive. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 14 lbs. \$3.

CARPINTERIA LARGE GREEN-SEEDED. Vines are strong, vigorous, setting many pods, which are closely filled with large, fat Beans. Pods contain three to four Beans, which retain the green tint in the dry state—a sure indication of fine quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.50, 14 lbs. \$2.75.

Giant-podded. The largest podded Lima in cultivation; extremely vigorous in growth; midseason. Pods measure about 7 inches long by $1\frac{1}{2}$ inches broad and are borne in clusters of six to eight; Beans extra large and of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid.

KING OF THE GARDEN. Vigorous grower, pods containing five to six large Beans, which are of fine quality. The vines grow strong and yield heavily. Very fine variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 14 lbs. \$3.

Use Nod-O-Gen Inoculator for Your Beans

Pole or Running Beans

The Pole or Running varieties are tender and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started they should be thinned to from two to four plants in the hill.

Two pounds will make 100 to 200 hills, according to size of Beans

Kentucky Wonder or **OLD HOMESTEAD.** (See illustration.) An old favorite, with long, fleshy, deep saddle-back pods. Very prolific, producing an abundance of fine, stringless, crisp pods until late in the season. Of best quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.80, 15 lbs. \$3.25.

Kentucky Wonder Wax. Quite similar to the Kentucky Wonder or Old Homestead, except in the color of pods, which in this one are light waxy yellow. It has a thick, broad pod, very tender, of delicious flavor and stringless. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$2.20, 15 lbs. \$3.80.

Ideal Market. *New.* It is claimed that this variety will mature eight to ten days ahead of Kentucky Wonder. Pods 5 inches long, round, green, and entirely stringless. It is extremely productive and this, together with its early quality, should make Ideal Market very popular. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.85.

LAZY WIFE. A late sort, having medium green pods up to 6 inches in length, broad, flat, stringless. Dry Beans, round and white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid.

SPECKLED CRANBERRY (Bird-Egg Bean). A midseason sort. Pods 5 inches long; straight, flat and good as Shell Beans only. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 15 lbs. \$3.

"True Blue" Seed best by test

Beets for Stock Feeding

An ever-increasing acreage is being planted to Beets for stock because of the wonderful results from feeding them. Sow in rows $2\frac{1}{2}$ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Beets cannot stand being frozen, so should be harvested before cold weather sets in, and they may be buried in pits the same as potatoes or turnips, when roots are thoroughly dry.

Six pounds of seed sow 1 acre

Mangel-Wurzels

MAMMOTH LONG RED. Jumbo Mangel, Colossal, etc. A favorite with the farmer and dairyman. Large; well-formed; dark-red color; very nutritious; a big cropper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. \$2.50, 10 lbs. \$4.50.

GOLDEN TANKARD. Very productive and sweet; flesh yellow; tops and neck very small; easily pulled; especially relished by sheep and cows. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. \$2.25, 10 lbs. \$4.25.

GOLDEN GIANT INTERMEDIATE. Yellow Leviathan. Skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

Kentucky Wonder Bean

MRS. E. M. TORDIK, Nassau County, New York, writes: *When I plant your seeds I have a wonderful garden, and if I buy local seeds I have a great failure, as in this past summer.*

Sugar Beets

KLEIN WANZLEBEN. This splendid Sugar Beet is one of the greatest milk-producing roots known. The yield is not quite equal to mangels, yet the feeding value is superior. Contains the greatest amount of sugar of any. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

LANE'S IMPERIAL. Especially good for stock feeding. Large, smooth, fine-grained and very sweet. Great yielder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts., postpaid.

GIANT HALF-SUGAR ROSE. Yield nearly as much per acre as mangel-wurzels and the roots are of larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

Ask for prices on large lots of both Mangels and Sugar Beets

Beets for Table Use

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills $1\frac{1}{2}$ feet apart, $\frac{1}{2}$ inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling.

One ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre

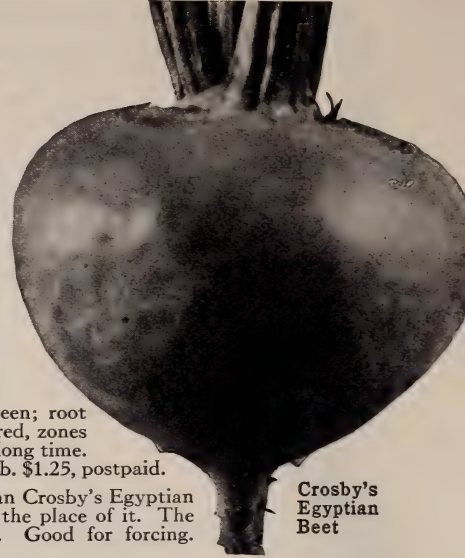
Detroit Dark Red. Greatest sort for canners. This superb variety is one of the most popular red turnip Beets, not only for market gardeners; but for home use. It is also one of the best for canning, making a strikingly handsome product. The small top, early maturing and splendid shape and color have made it a favorite. Top small, upright growing, leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark red; flesh deep, bright red, zones with a darker shade, very crisp, tender and sweet, remaining so for a long time. Very uniform in shape, color and quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25, postpaid.

Extra-Early Dark Red Egyptian. Very early, but a little later than Crosby's Egyptian which has quite largely taken the place of it. The shape is more flat. Dark blood-red, medium size, tender and sweet. Good for forcing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Early Eclipse. A good old sort, but largely displaced by Detroit Dark Red. The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender when young. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

DEWING'S IMPROVED BLOOD TURNIP. The leading medium-early and late main-crop variety. Roots smooth, handsome, good size, tender, and sweet. An enormous cropper. Sow late for winter storage. Pkt. 5c., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Crimson Globe. A late main-crop variety. Root of medium size, handsome globe shape and remarkably smooth surface. Skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap-root; leaves are small, dark green. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.



Crosby's
Egyptian
Beet

Crosby's Improved Egyptian. A very superior Beet. Of handsome form, good size, few small tops, very small tap-root, fine quality, and a rapid grower. Very early. The shape is very desirable. (See illustration.) Takes on its turnip shape and looks well in the very early stages of its growth, on which account it is preferred for first early crop. Being a rapid grower, it may be sown outside as late as July. Skin dark red, flesh somewhat lighter, with a few specimens of light red or pink, all however are of a fine bright red shade when boiled and equally delicious in flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

EDMAND'S BLOOD TURNIP. A second-early sort and very uniform. Root is always smooth, round, and handsome; top small; of good marketable size and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Early Wonder. A fine selection from Crosby's Egyptian, being a little smaller in size. Average more full on the bottom and come a little earlier. The demand for Early Wonder is growing several hundred pounds annually. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color, more uniform than Crosby, and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts, thereby increasing the yield. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35, postpaid.

Swiss Chard or Spinach Beet

A peculiar variety of Beet, of which the leaves only are used as "greens," when young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or midribs can be cooked and served like asparagus. Produces continually from July until fall. Desirable for greens in summer when spinach cannot be grown.

Fordhook Giant. Leaves broad, upright in growth, very dark green, savoyed, with broad white midrib. This variety, on account of its giant size and pleasing deep green color, will probably supersede other sorts. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Lucullus. An improved variety yielding an enormous crop of delicious "greens." The plants grow 2 feet tall and consist, when fully developed, of about a dozen creamy white, beautifully curled leaves. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.



Early Wonder Beet

Cabbage

Weifftraut

Gol repollo

Cabbage requires deep, rich, mellow soil, high manuring, and good culture to obtain fine, solid heads. For early use, sow seeds of the early kinds in the hotbeds or in a box in the house the last of January or early in February; transplant into the open ground in April in rows 2 feet apart and 1½ feet apart in the row; or sow a bed of seed outside as soon as the soil can be worked; transplant in about four weeks. For second early Cabbage, sow in April and transplant in May. For late Cabbage, sow in May and transplant in July in rows 3 feet apart and 2 feet apart in the row. In transplanting, it is important that plant be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir soil deeply. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting, go frequently over the ground and push every cabbage that appears about to mature over sideways, which will break some of the roots and check its growth. To prevent attacks of the cabbage fly on small plants, dust thoroughly with plaster, air-slaked lime, or wood ashes.

One ounce of seed produces about 2,500 plants, 4 ounces enough plants to set an acre

Early Jersey Wakefield. Many market gardeners consider this the **best early variety.** Grown extensively for market and shipping. Its merits are large heads for an early sort, small outside foliage and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak; very sweet. **The seed we offer is from the very best growers** and has given satisfaction for many years. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 80 cts., lb. \$2.75, ppd.

Large Charleston Wakefield. A selection from Early Jersey Wakefield, only it is about one week later than that variety and grows larger heads, often averaging 8 to 10 pounds. Very solid and of fine quality. There are immense quantities of it grown in the South for shipping to northern markets. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50, postpaid.



Golden Acre Cabbage

The New Golden Acre. A very fine new sort from Denmark—the home of fine Cabbages. In our trial-grounds the Golden Acre produced heads about a week ahead of Copenhagen Market. It is also very uniform; almost every head could be cut at the same time. The head is of medium size, quite round, and is surrounded by a few small outer leaves as shown in the illustration above. It is very firm and fully equal to any of the late sorts in this respect. On account of its hardness it will stand in the field for a long time without bursting and can be shipped long distances. We have contracted for a large amount of seed to be grown for us from originator's seed-stock. We know from our trial-ground tests that it is more distinct and uniform and is ready to sell before any other sort. Pkt. 15 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. \$1.50, lb. \$5.50, postpaid.

MORRIS BROS., Clinton County, Indiana, write: *Your Golden Acre Cabbage sure comes up to all that is claimed for it.*

SAMUEL S. WHITE, Porter County, Indiana, writes: *Your Golden Acre Cabbage is a winner. I want more for next season.*

R. O. STOUGH, Sebastian County, Arkansas, writes: *Have you any of the Golden Acre Cabbage seed left over from spring stock? I was very much pleased with my Golden Acre; in fact, it was exceptional. I will increase my plantings another year.*

Iacope (COPENHAGEN YELLOWS RESISTANT). To those growers whose land is infested with "cabbage yellows," it will be an especially good sort, although it does not head up quite so evenly as the original. If your Cabbage has not been affected with "yellows," we suggest that you order our regular stock of Copenhagen Market, which will be found to run very true to type and can be bought for less. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. \$1.30, lb. \$4.50, postpaid.

Copenhagen Market. A splendid extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Practically every plant forms a perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most popular early Cabbages. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$3.25, postpaid.



Copenhagen Market Cabbage



Allhead Early Cabbage

Allhead Early. Of remarkably uniform size and shape and sure-heading qualities. Deep, flat heads, solid and uniform in color. In tenderness unsurpassed. By reason of its compactness it may be planted closely. For winter use, sow in July. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

YELLOWS RESISTANT ALL-HEAD EARLY. Pkt. 10c., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, ppd.

SUCCESSION. A large, medium-early sort, its outer leaves being unusually short. A very sure header. Heads deep and of excellent quality. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. \$2.25, postpaid.

Livingston's Premium Flat

Dutch. The main-crop late variety. Because of its solidity and compact manner of growth, it is a heavy yielder. The heads are large, white, crisp, tender, and sure to head. Grown largely for kraut-making in the autumn. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Glory of Enkhuizen. A few days later than Copenhagen Market, of larger size and is quite round. A long-keeping sort. It is very dwarf and compact, allowing of close planting. Heads fine, ball-shaped. Size ideal for marketing. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

Yellows Resistant Hollander. This is a strain of Hollander, or Danish Ballhead, which originated in Wisconsin where the disease known as "yellows" is very destructive. It should be used where this disease is prevalent. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50, ppd.

Livingston's American Ballhead. Our stock of this variety comes from an American grower of more than thirty years' experience. He says of it, "We believe it to be a considerably better strain than any in current use in the trade." Market gardeners who are familiar with the Danish Ballhead type of Cabbage should try this alongside of other strains. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, ppd.

Danish Ballhead Short-Stem (Hollander, Dutch Winter). This splendid variety is well known for its remarkable solidity and grand keeping qualities. The heads are very heavy and superb in quality, and the extra weight, in limited space, will be appreciated by those who grow for distant markets, ship in carloads and sell by weight. Our stock is grown for us by one of the best Danish growers. The most popular of all the late Ballhead type. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

Cabbage, continued

All-Season (Vandergaw). Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. As its name indicates, it does not head up all at once. This should appeal to family gardeners. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

YELLOWS RESISTANT ALL-SEASONS. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts, postpaid.

Henderson's Early Summer. About a week later than the Early Jersey Wakefield, but fully double the size; may be classed with best large early Cabbages. Keeps long time without bursting. Heads round and flat. One of the best for the home-garden, and is used quite extensively in the South for shipping. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

EARLY WINNIGSTADT. Well-known and popular second-early Cabbage. Heads decidedly conical. Solid, even in summer; almost worm-proof, because so hard. A sure header. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

EARLY DWARF FLAT DUTCH. Excellent second-early variety, producing fine large heads. Highly valued for its fine quality and ability to resist heat. Heads very solid, broad, round, flattened on top, tender and fine-grained. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.



The Volga Cabbage

Surehead. Large, round, flattened heads, and is remarkable for its certainty to head; good keeper and shipper. It is very sweet flavored, has but few loose leaves. A late sort for the kitchen garden. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

The Volga (No. 20). This variety is of the greatest uniformity. The heads are about equal in size and shape, round as a ball, the largest measuring about 12 inches in diameter either way. Heads very solid; the flesh is exceedingly firm, tender, and white. Extremely hardy and matures somewhat earlier than the Ballhead sorts. Pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75, postpaid.

Livingston's Ideal Winter. Quite similar to Livingston's Premium Flat Dutch. The large, solid heads, the short stems, uniformity of size and shape, reliability for heading and extra-fine texture and quality all combine to make this the ideal Cabbage for late crop. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.



Danish Ballhead Short-Stem Cabbage

September 17, 1929

A. F. McKIVITT, Milwaukee County, Wisconsin, writes: *We are very much pleased with the Oxheart Tomatoes this year.*

If Cabbage seed is wanted in larger quantities ask for Special Prices

Red Cabbage

Danish Ironball. As round as a ball and as hard as iron. Heads grow to large size, averaging 8 inches in diameter, of rich color throughout. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 80 cts., lb. \$2.75, postpaid.

YELLOWS RESISTANT RED HOLLANDER. Same as Danish Ironball but is proof against the yellows disease. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$3, postpaid.

MAMMOTH ROCK RED. Heads as large as Premium Flat Dutch; deep red to center. Highly recommended. A hard-heading variety. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 80 cts., lb. \$2.75, postpaid.

Savoy Cabbage

The Savoy or Curly Cabbages are of fine flavor and quality, and should be more generally cultivated. Most delicious after frost.

SMALL EARLY SAVOY. Best early. Heads firm, solid, beautifully crimped; finest quality. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3, postpaid.

IMPROVED AMERICAN SAVOY. (Perfection D. H.) Heads large and finely curled; short stalk; compact grower; sure header; keeps well. Best for main crop. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50, postpaid.

A. M. GRIMES, Coweta County, Georgia, writes: *Your seeds are fine and it is a pleasure to deal with you.*



Chicory, Selected Forcing



Chihili Chinese Cabbage

Chinese Cabbage

Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc.

It is a species of Cabbage with a fine delicate flavor, as tender as head lettuce, and in great demand for numerous dishes, such as salads and cold slaw, or it may be cooked quickly. The culture, storing for winter, etc., are same as for late Cabbage. It cannot be grown successfully here as a spring crop. For fall crop, sow early in August.

CHIHILI. This variety, in our trial-grounds, runs very true to type, being taller than Wong Bok. Length of head is about 16 inches. Outer leaves dark bluish green, while the inside is creamy white and of fine quality. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.25, postpaid.

WONG BOK. The heads of this sort are short and heavy. It has beautifully curled leaves of fine quality and is a sure header. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50, postpaid.

Crösse Cress or Pepper Grass Berro

EXTRA-CURLED PEPPER GRASS. A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed. May be cut two or three times. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts., ppd.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams where it increases both by spreading of roots and seeding. Has a pleasant, pungent flavor. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. \$1, postpaid.

UPLAND. This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like lettuce or boiled like spinach. Sow in April in rows 1 foot apart. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., postpaid.

Collards

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

TRUE SOUTHERN or GEORGIA. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., ppd.

Corn Salad or Fetticus

A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

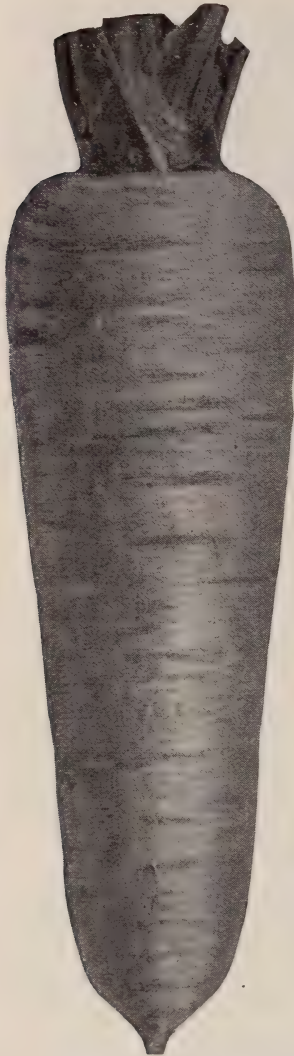
LARGE-LEAVED. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.50, postpaid.

Chicory

Sow the seed in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water if necessary. Take up the roots in November and cut off top to about 2¼ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, 1½ inches apart. Fill in level with good, light soil and by covering with 1½ feet of manure any portion may be forced as needed. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

WITLOOF (French Endive). High-grade general stock. Pkt. 10 cts., oz. 25 cts., ¼ lb. 70 cts., lb. \$2.25, postpaid.

SELECTED FORCING. Especially selected stock for greenhouse forcing. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.15, postpaid.



Chantenay Carrot

2 feet by 15 inches apart. When heading tie the outside leaves loosely over the head to protect it from the sun.

Dry-Weather. This is a fine, large, heavy, pure white variety that matures later than Snowball. Best for **dry localities** on account of its large leaves which furnish greater protection to the heads. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.35, oz. \$2.50, $\frac{1}{4}$ lb. \$9.

SUPER SNOWBALL. An extra-fine selection coming from the same source as the Golden Acre Cabbage, hence we are sure it will prove good. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., $\frac{1}{2}$ oz. \$1.60, oz. \$3.

Henderson's Early Snowball. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. We have an extra-good grade of this popular old sort. Pkt. 25 cts., $\frac{1}{4}$ oz. 70 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.25.

Livingston's Earliest. Our Danish grower spares no pains or expense with this seed stock. For wintering in coldframes for early crop, it cannot be excelled, and it does equally well for a fall crop if planted late and treated the same as late cabbage. Livingston's Earliest Cauliflower has taken the place of many of the late varieties on account of its fine texture, pure white heads, and large uniform size. A most compact grower and a sure header. Price, under our "True Blue" Seal, pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.35, oz. \$2.50, $\frac{1}{4}$ lb. \$9.

Mohren Carrots Zanaborias

Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches apart. If sown early on moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre

Improved Danvers (Half-Long). The best for general crop. Will yield the most per acre. Profitable for market-gardeners. It is grown largely on account of its productiveness and adaptability to all classes of soils. Tops medium size, roots deep orange, large, but of medium length, tapering uniformly to a blunt point. Smooth and handsome; sweet, crisp and tender. Although of medium length, it is one of the largest yielders, one of the leading table sorts, and also used a great deal for stock feeding. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Oxheart. Intermediate in length and diameter; quality extra good. Comes early. Some sorts require digging but the Oxheart can be easily pulled. Adapted to shallow soils where the longer sorts would not thrive so well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Nantes Half-Long (Stump-rooted). Early. Sweet and fine flavored; almost without a core; very fine grained; excellent for the home-garden. One of the finest in quality and handsomest of the medium-sized sorts; about 6 inches long. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

LIVINGSTON'S EARLY MARKET. A very choice strain, with tender, fine-grained flesh, and of handsome, uniform stumped roots. Free from core and of golden yellow color. An excellent forcing sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Hutchinson. A variety that was developed by selection from the Danvers Half-Long. It has slightly darker orange skin, grows an inch or two longer, but differs from the Danvers in that it carries its fullness well down to the end, making it decidedly stump-rooted. A heavy yielder and attractive in appearance. We do not find it superior to Danvers. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

IMPROVED LONG ORANGE. Very handsome and uniform in shape; roots are of deep orange color, good flavor; yields very heavily. Requires a deep soil. Too long to be popular. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

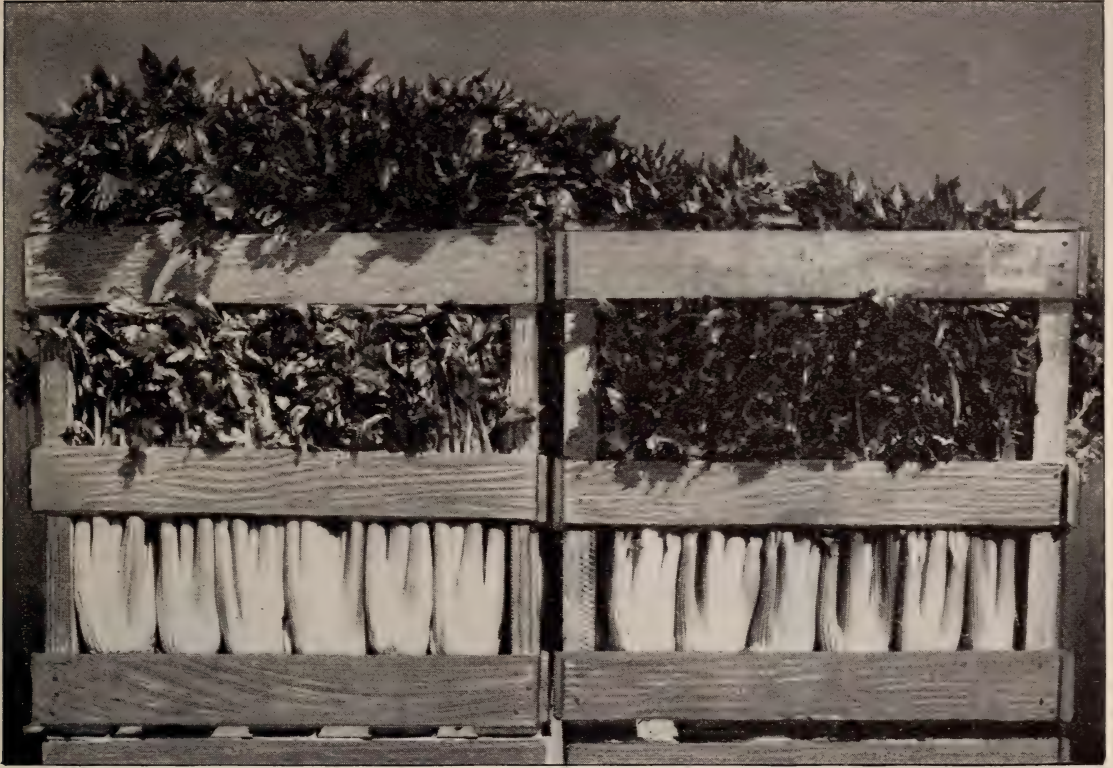
Improved Chantenay. A popular and profitable sort to raise for market. It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange-red, fine-grained, and of excellent flavor. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market. Biggest seller, and one of the best for home-gardens. Our strain of seed is unsurpassed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Blumentohl Cauliflower Coliflor

Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 to 3 inches apart in boxes, or in another hotbed, until such time as they may safely be planted in the open ground. Set the plants in the field



Livingston's Earliest Cauliflower



Celery

Golden Phenomenal (New). Similar to Golden Plume, but it is decidedly taller, and the stems are much longer to the joint. Note this difference in the above picture—the Golden Phenomenal being at the left. It is about as tall as Tall Golden Self-blanching—under western conditions, 27 to 28 inches and 8 to 9 inches to the joint. The season is the same as Golden Plume. Plants heavy and compact, full hearted, and not inclined to be sprangly; stems broad, thick, brittle, free from strings, of fine flavor and excellent quality. The stock is very even and plants very uniform in size and appearance and free from green rogues. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.45, oz. \$2.75, ppd.

Golden Self-blanching. Of French origin. Heavy, compact plants that grow to good size. It is very tender, solid, crisp, heart large, of excellent quality and beautiful golden color.

AMERICAN-GROWN SEED. A splendid strain. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.50, postpaid.

FRENCH-GROWN SEED. From one of the most careful growers. **Old strain.** Late. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$3, postpaid. **New strain.** Early. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50, postpaid.

Columbia. An early-maturing sort. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, of rich yellow tint, and fine quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

Emperor. A distinct variety of true dwarf type and, therefore, easier to blanch. The plants average about 15 inches in height. Stalks smooth, very thick, white, heart tinged with yellow and very crisp, with decidedly nutty flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

Golden Plume. This is a selected strain of Golden Self-blanching, having a beautiful golden color and that rich, nutty flavor so much desired by lovers of fine Celery. It resists blight and rust to a remarkable degree, matures quite early, and keeps a long time. The Golden Plume is a mighty good shipping sort. It grows to large size and of fine proportions. A very attractive sort, hence an easy one to sell. We are showing Golden Plume on this page in comparison with the new strain known as Golden Phenomenal. Pkt. 25 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.30, $\frac{1}{4}$ lb. \$4.50, postpaid.

White Plume. Stalks and portions of the inner leaves and heart are white and of good flavor and fine texture. Adapted to fall and early winter use; good keeper up to the holiday season. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

Easy-blanching. A remarkably easy variety to blanch, and being adapted to early use as well as storing for winter makes it especially suitable for the home-garden. Stalks white, thick, brittle, and of excellent flavor. A strong, healthy grower. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Giant Pascal. Forms solid, crisp stalks of rich, nutty flavor. It is of strong growth, blanches easily to a rich creamy white, and is very brittle. A fine keeper for midwinter use, retaining color and fresh appearance a long time. A favorite for local markets and private use. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.25, postpaid.

EXTRA-SELECT GIANT PASCAL. Our own growing. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.45, oz. \$2.75, ppd.

Celeriac (Turnip-Rooted Celery). Sow the seed same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, postpaid.

Corn, Sugar or Sweet

Speiße Mais Maiz dulce

The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the soil has become warm and dry. For a full supply for the table during the entire season, plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet apart for the early kinds, and 3 by 3 feet for the large late sorts, using four or five grains to the hill. Give frequent and thorough cultivation all the season. A pound of Sweet Corn contains about 2,000 grains.

Twelve to sixteen pounds will plant an acre

Alpha. A very early white variety, maturing a week or more ahead of White Cory, and is of just fair quality. The ears average 6 to 7 inches long, are finely shaped, and set low and close to the stalks. Stalks average 4 feet high. A very desirable variety for the market gardener. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1.10, 12 lbs. \$1.90.

Whipple's Early White. Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small extra-early sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

EARLY MAYFLOWER. Matures earlier than White Cory. Ears 5 inches long, with 10 and 12 rows of pure white, sweet grains. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

MAMMOTH WHITE CORY. Extra early, with ears about 7 inches in length. Cob and kernel pure white. Our stock is of the original type, growing about 4 feet high. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1.15, 12 lbs. \$2.

Columbus Market. The ears, often 10 inches long, carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, of medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance. Especially adapted to midseason market; also very desirable for the home-garden. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

Livingston's Early Sugar. (See illustration.) A distinct and valuable addition to the early Sweet Corns. As compared with other good early sorts, it has bigger ears with more even rows which are filled well to the tip. Ears average 8 inches long by

2 inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor which is not surpassed by any other early kind. Sixty per cent of the stalks carry two well-developed ears which are usually placed from 2 to 3 feet above ground. It has a remarkably strong husk which protects the ears to some extent from ravages of insects. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

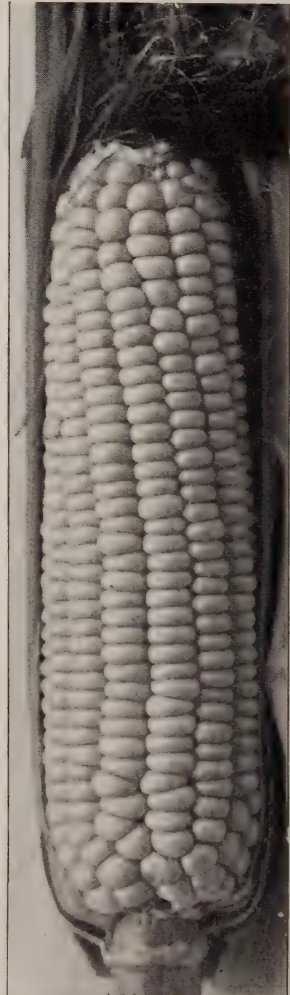
KENDEL'S EARLY GIANT. Ears large, 8 to 9 inches long, with 10 or more rows of plump white kernels of delicious flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.65.

Gill's Early Market. (60 Day Make Good). The very earliest white Sweet Corn for market. Stalks are about 3 $\frac{1}{2}$ feet high with ears set close to the ground. Ears 6 to 7 inches long, rather blocky in form, of good size, with white cob and grain and of good quality. Plant Early Market for first early crop. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. \$1.30, 12 lbs. \$2.25.

Ask for special prices on Sweet Corn in large quantities

SEMESAN WILL STERILIZE SEEDS, BULBS, ROOTS, ETC. SEE PAGE 68

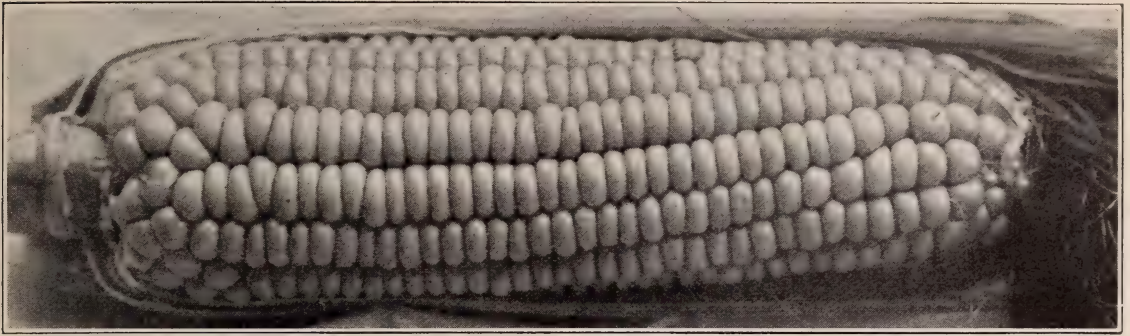
WILLIAM FOSTER, Holt County, Missouri, writes: *I wish to say I have used your garden seeds and they are certainly fine, strong in germination, and grow with great vigor and uniformity.*



Gill's Early Market



Livingston's Early Sugar



Golden Sunshine Sweet Corn

Howling Mob. One of the best-flavored and tender of all medium-early white Sweet Corns. The ears are 7 to 8 inches long, with 12 to 14 rows of pure white grains. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

Livingston's Broad-grained. For a number of years this variety has been closely selected to produce the broadest possible grains, and, at the same time, to retain its depth of grain and splendid quality. The ears are of 8-rowed type and 8 to 10 inches long. It is ready for use in about 80 days. There is no variety in our list we would recommend more highly for uniform size and quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

EARLY EVERGREEN. An early strain of Evergreen. The ears grow to a good size, usually about 7 inches long, and contain 16 to 18 rows of deep, sweet grains. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.70.

Stowell's Evergreen. A favorite with canners and market gardeners for late use, and especially for the kitchen-garden. Ears large, kernels very deep, tender and of most delicious sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.70.

Country Gentleman. One of the richest flavored of all the late varieties. The plump, pearly white kernels are of great depth. Ears average 7 inches long by 2 inches in diameter. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. \$1.10, 12 lbs. \$1.85.

JOHN F. LUDWIG, Queens County, New York, writes: *Your seeds are some seeds and I thought as long as I have the money I would send for some more.*

H. C. SMITH, Smith's Flower Garden, San Augustine County, Texas, writes: *I have had some trouble getting good seed this fall, but I always get good seed from you.*

Pop Corn

Japanese Hulless (Tom Thumb). A heavy yielder of short, thick, uniform ears and shells out heavy on account of very deep grains. It pops out a very large, pure white grain, and is of delicious quality. Very tender but retains its shape very well. Dwarf-growing. An excellent popper. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 3 lbs. 55 cts., 5 lbs. 85 cts.

SELECTED WHITE RICE. Very productive; excellent quality; very crisp and delicious. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., postpaid. By express or freight, not prepaid, 3 lbs. 55 cts., 5 lbs. 85 cts.

R. E. WATTS, Cooper County, Missouri, writes: *Oxheart Tomatoes grand! From a late June setting of potted Oxheart plants I am now picking some of most wonderful Tomatoes ever grown in central Missouri. Yesterday I shipped 30 pounds of the big fellows more than 150 miles out in Kansas, and this is October 16,*

Yellow or Golden Sweet Corns

Golden Sunshine. This new Corn will average about a week earlier than Golden Bantam. It has 12-rowed ears, 7 inches long, with deep yellow, deliciously sweet grains. Stalks grow only about 5 feet high. Especially valuable for its extreme earliness. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., postpaid. By express, not prepaid, 6 lbs. \$1.25, 12 lbs. \$2.15.

Whipple's Early Yellow. This new variety is double the size of Golden Bantam, only a few days later, and is of fine quality. The ear is 7 to 8 inches long and has 12 to 16 rows of large kernels. The stock we offer was grown from the originator's seed. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. \$1.10, 12 lbs. \$1.85.

Golden Bantam. One of the most delicious of all Sweet Corns. Ears are about 6 inches long, 8-rowed, filled with broad, sweet, golden yellow kernels. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. \$1, 12 lbs. \$1.75.

BARDEN'S WONDER BANTAM. Of the same type, season and quality as Golden Bantam, but having a longer ear. The stalks grow from 5 to 6 feet high and have ears 8 to 10 inches long, filled with 8 rows of rich golden kernels. Originator's stock. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. \$1.10, 12 lbs. \$1.85.

Bantam Evergreen. A Golden Evergreen. Has the good qualities of Golden Bantam combined with those of the Evergreen. Comes just right in season to follow the early sorts. Color a rich golden yellow. Ears about 8 inches long and 2 inches thick. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. \$1.10, 12 lbs. \$1.85.



Japanese Hulless Pop Corn

Gurten Cucumbers *Cobombro*

As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover $\frac{1}{2}$ inch deep, smoothing the hill off with the hoe. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

One ounce of seed will plant about 50 hills; 1 to 2 pounds to the acre

Livingston's Extra-Early White Spine. The most thoroughbred, uniform, and shapely variety of White Spine known, not only for first early, but for general crop as well. Vines are vigorous growers. The very best for slicing, and make choice pickles; straight and smooth. A great bearer and keeps green much longer than the yellow varieties. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Livingston's Evergreen Pickling. Introduced by us in 1890. Generally admitted to possess every qualification required in a perfect pickling cucumber. Exceptionally productive. It is a very strong grower, extra-early, and bears firm, crisp, evergreen fruits, which are excellent for slicing also. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, ppd.

Davis Perfect. By using this variety gardeners can produce Cucumbers outdoors that will sell in the market for hothouse forcing varieties. The shape is ideal, tapering at both ends. It is almost seedless, and the few seeds when in eating condition are so small and tender that they are hardly noticeable. Most important of all, it does not lose its dark, rich color when grown outdoors. Grows a fine pickle also. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, ppd.

Early Fortune. A fine variety of White Spine type. The fruit is of uniform size and shape and is of very firm texture, thus permitting long-distance shipping. Popular in South. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

IMPROVED WHITE SPINE. Early and very productive. Fruit quite uniform, about 7 inches long and well rounded at both ends, of bright green color. Used for early slicing and when planted late it produces good pickles. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Green Prolific or **BOSTON PICKLING.** Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

KLONDIKE. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with southern planters for shipping north. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

EXTRA-LONG or **EVERGREEN WHITE SPINE.** Averages longer than other strains. Extra-fine shape and quality; makes a good pickle, may be used for growing under glass. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Improved Long Green. The vines are very strong-growing and productive. The fruits are quite long, averaging 8 to 10 inches in length, and dark green in color. This good old sort is very popular both as a slicer and for pickles. One of the best general-purpose Cucumbers. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

VICKERY'S FORCING. Rich, dark green in color; immense cropper. Used to some extent for hothouse growing. It is a little short to be ideal, but it is a great yielder. Pkt. 15 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

EARLY GREEN CLUSTER. The small, short prickly pickles are borne in great profusion in clusters of two and three. Fine for bottling. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

WESTERFIELD CHICAGO PICKLING. A deep green pickle of medium length, slightly pointed at ends. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

GHERKINS (True West India). Used only for pickles. Fruits small, oval, about 2 by $1\frac{1}{4}$ inches, covered with spines; color light green. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., postpaid.

Longfellow. (New.) An excellent, long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture, and an ideal type for the private garden or as a "straight pack" variety for shipment to market. It measures 12 to 14 inches long by $2\frac{1}{2}$ inches in diameter. A good healthy grower, very productive, and is fairly early. Pkt. 15 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

G. W. HANCE, Greenwood, Indiana, writes: *Your seeds are the best we have ever got. They all came up, then we lost them on account of the weather.*



New Longfellow Cucumber

Dandelion

Sow in May or June, in warm, rich soil, in rows 1½ feet apart and cover seed ½ inch. Some of the plants will be ready for use in September; the remainder the following spring.

One ounce of seed will sow 150 feet of drill

LARGE-LEAVED. Leaves fully double the size of the common Dandelion. They make delicious "greens." Years of the most careful cultivation have developed a very fine strain of seed. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$3, postpaid.

Dill

Sow, early in the spring, thinly in rows about 1½ feet apart for hand cultivation or 2½ feet apart if to be cultivated with horse. Cover seed about ½ inch. Dill is used in large quantities for flavoring cucumber pickles and vinegar.

COMMON. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., postpaid.

MAMMOTH. Similar to above except larger plant and seedheads. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts., postpaid.

Eierpflanze Eggplant Berenjena

How to Grow Eggplant.—Sow seeds in hotbed or warm greenhouse in March or early in April. If no hotbed is at hand, they may be grown in any light room where the temperature will average 75 degrees. When plants are 2 inches high, or have formed two rough leaves, transplant them into beds and set 3 to 4 inches apart. Keep beds closed and very warm, shading from direct rays of the sun and giving an occasional watering until the weather is warm and all danger from frost and cold nights is past; then harden the plants by gradual exposure to the sun and air, and transplant to the open ground late in May or June, into warm, rich soil, 2 to 3 feet apart each way. When about a foot high, draw the earth up to the stem.

One ounce of seed produces about 1,500 plants

Livingston's Mammoth Purple. This is a splendid strain of New York Improved Large Purple. It is quite early, a sure cropper, and entirely spineless. The plants are large, vigorous, and very productive. Fruit is uniform in color and shape, very large—usually 6 to 8 inches in diameter, sometimes larger; skin a handsome dark purple, smooth and glossy; flesh white, of superior quality. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.25, postpaid.



Livingston's Mammoth Purple Eggplant

Black Beauty. Earlier than the purple varieties. Fruit rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits that are very attractive and of the best quality. This variety is entirely spineless. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.25, postpaid.

NEW YORK IMPROVED LARGE PURPLE. A leading variety. Fruit very large, oval, smooth, deep purple; flesh white and of good quality. Similar to Livingston's Mammoth. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4, postpaid.

FLORIDA HIGH BUSH. A large-fruited purple sort. The fruit is held well up off the ground, preventing the rot, hence its name. A splendid shipper. Popular in the South. The plant is vigorous, productive, drought-resisting, and stands wet weather well. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.25, postpaid.

MRS. FRANK M. GRINNELL, Carroll County, Kentucky, writes: *You are the promptest seed firm I ever dealt with and the most satisfactory one.*

Endive

Endivien Salat Endibia o Escarola

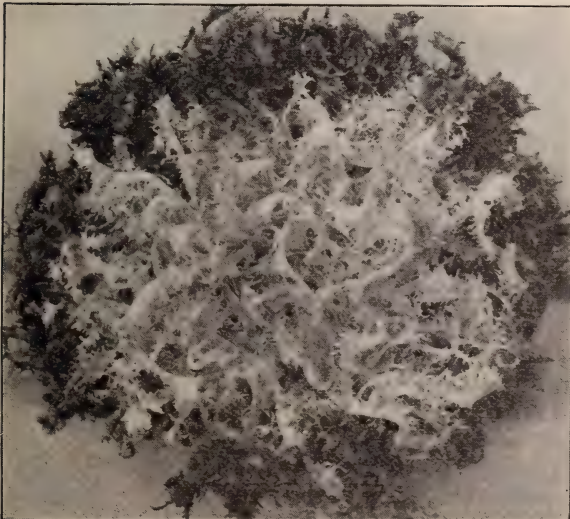
For an early crop, sow in April in rows 15 inches apart, and later thin the plants to stand 1 foot apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch the heart.

One ounce of seed will sow 150 feet of drill

Large Green Curled. A hardy, vigorous-growing variety with bright, deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to rich creamy white. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.75, postpaid.

FINE GREEN CURLED. A hardy variety with deep green leaves, beautifully cut and curled, easily blanched. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.50, postpaid.

BROAD-LEAVED BATAVIAN. The broad, thick, slightly wrinkled leaves form very large heads, which are much used in soups. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.50, postpaid.



Green Curled Endive

Florence Fennel

A bulb-like vegetable which is formed above the ground at the base of the leaf-stalk, if the plant is well grown. Blanched and boiled it has a slightly aromatic odor and pleasant taste. Plant very branching, upright, with dense, thread-like foliage. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Garlic Sets

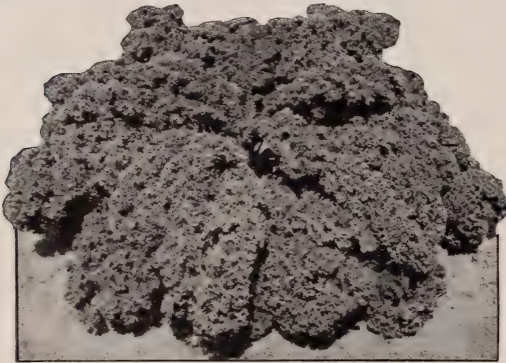
Garlic Sets or Bulbs are planted in early spring in rows 1 foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

Herbs

Sweet, Pot, Culinary, and Medicinal

Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air. Varieties in the list marked with * require two years to mature.

	Pkt.	Oz.		Pkt.	Oz.
Anise.....	\$0	05 \$0	10	*Lavender, Swt...	\$0 10 \$0 25
*Balm.....	05	35		*Peppermint....	10
*Caraway.....	05	10		*Rosemary.....	10 35
*Catnip.....	10	75		Sage.....	10 20
*Coriander.....	05	10		Summer Savory	10 20
Dill, Common..	05	10		Sweet Basil....	10 20
Dill, Mammoth	05	10		*Swt. Marjoram..	10 20
*Fennel, Sweet..	05	15		*Thyme.....	10 40
*Horehound....	10	30		*Wormwood.....	10 30



Dwarf Green Curled Kale

Blatterkohl Kale or Borecole Breton

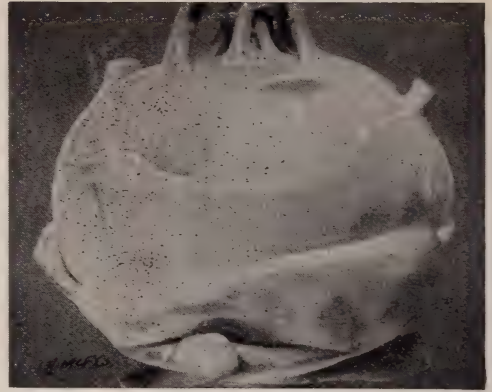
Kale, or "German Greens," does not form heads, but furnishes an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like cabbage. Will endure considerable frost without injury.

One ounce of seed sows 200 feet of drill;
4 pounds sow an acre

Dwarf Green Curled or SCOTCH. Very dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Siberian. Dwarf growth; bluish green leaves. Sow in September, in rows a foot apart, and cultivate the same as spinach. Very hardy and makes an excellent spring greens. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Mrs. IRENE YOUNG, Harrison County, Missouri, writes: I use your Oxheart Tomatoes and surely think they are fine. I gave my neighbors some of my plants and they were delighted with them. They certainly are a fine Tomato.



White Vienna Kohlrabi

Kohlrabi (Turnip-rooted Cabbage)

Kohlrabi Col rabano o Nabicol

The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use; when matured they keep splendidly and are excellent for feeding stock.

One ounce of seed sows 300 feet of row

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Early White Vienna. Greenish white outside, with clear white flesh within. Fine in quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., postpaid.



Leeks

Porree oder Lauch Leeks Puerro

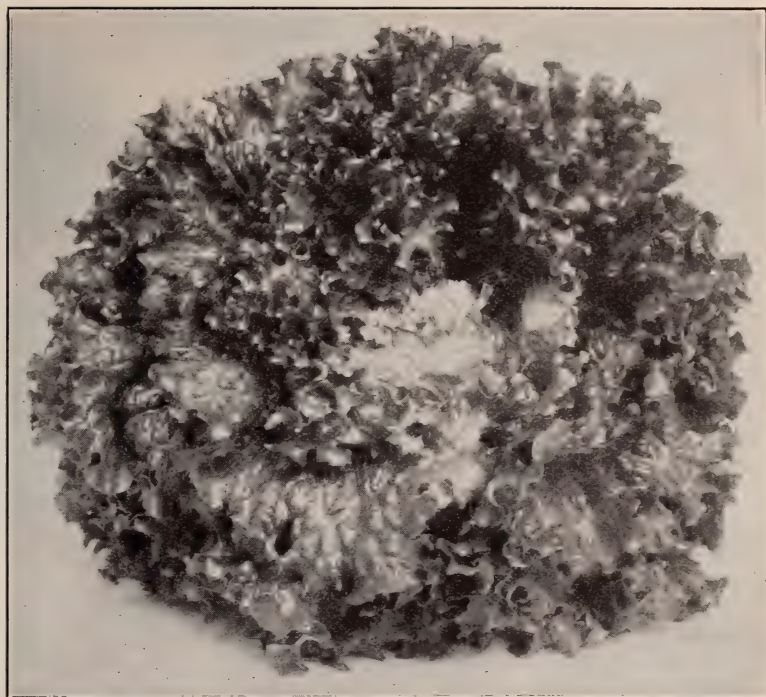
Cultivate the same as onions

BROAD SCOTCH or LONDON FLAG. A hardy kind; large, strong plants with broad leaves. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

Lettuce

CULTURE.—For early spring use, sow in a seedbed in September or October, and protect through the winter in coldframes, or in the South with leaves or litter, or sow in a hotbed in early spring. Lettuce plants may also be started very successfully in the house in boxes which are about 5 inches deep. Make soil very fine and firm. Mark off into rows 2 inches apart and $\frac{1}{4}$ inch deep, into which sow the seed quite thinly; cover with blotting or brown paper fitted into the top of the box. First saturate the paper with water and keep moist until the seed germinates, then remove. Expose the young plants gradually to the light. As soon as the ground outside is dry and warm, so that it can be well worked, set out the plants 8 inches apart in the rows. For outside sow very thinly in rows $1\frac{1}{2}$ feet apart, covering seed $\frac{1}{4}$ inch deep with fine soil, and when well up thin to 1 foot apart in the rows. In order to have crisp, tender Lettuce, it should be grown as rapidly as possible, therefore the soil should be made very rich by liberal manuring.

One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants.



Arlington Fancy Curled Lettuce

Livingston's Crisp-as-Ice. Introduced by us in 1895. A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size, and so exceedingly crisp, tender and brittle as to fully warrant the name, "Crisp-as-Ice." The glossy leaves are thick, nicely crimped and curled; the outside leaves are beautifully variegated with dark brown, bronze and green. The heads when cut open, have a rich, creamy yellow heart. A superior family and home-market Lettuce, and so hardy as to withstand frost very late in the season. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

CHARLES J. DEVLIN, Clay County, Indiana, writes: *I think your Crisp-as-Ice Lettuce is the best ever. I have good success raising it and the people living around me "run me ragged" for it.*

Selected Univaled. Heads are large, solid, and of a light green color, shading to creamy white at the center of the head. The quality is fine, having a rich buttery flavor. Similar to Big Boston, but does not have the red tinge of that sort. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

ICEBERG. Beautiful large, curly leaves of light green, with a slight red tinge at the edges. Heads solid, crisp, tender, and of fine flavor. Do not confuse with Wonderful; they are entirely different. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

LIVINGSTON'S LETTUCE MIXTURE. One sowing produces salad for the season. Contains a grand assortment of decidedly distinct and excellent Lettuces. Liberal pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., postpaid.

MRS. JOHN A. HELMS, Tarrant County, Texas, says: *Planted seed from your Lettuce mixture in September and had fresh Lettuce until today (February 1) from our garden, and still have one kind standing three hard freezes.*

Du Pont's Semesan

Controls seed diseases, accelerates germination, stimulates seedling growth, produces sturdier plants, increases crop yields.

Arlington Fancy Curled. A beautiful variety of the curly-leaf type. It resembles the best stocks of the Grand Rapids, but it is more beautifully curled. It is very true to type, of excellent quality, and for garnishing nothing in the Lettuce line excels it. Everyone should grow some of it, as it is one of those really good things that became popular favorites with the general public. It has a slight tendency to head, which makes it very crisp. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

Selected Grand Rapids. Especially adapted for greenhouse culture; also good to sow outside early in the spring. Our stock of this variety is extra fine as we pay more for it, and have it selected. It does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. Should be sown more shallow than other sorts, otherwise it may not germinate. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

OHIO GRAND RAPIDS. It is a dark-leaved Grand Rapids, and a quick grower. Especially adapted to mid-winter crops in greenhouse. Very hardy. Not advised for home-gardens. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Black-seeded Simpson. Very popular among market gardeners, and fine for the home table. Forms a large, loose head of nearly white, curly leaves that are large, thin, very tender, and of good quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

EARLY CURLED SIMPSON. Forms a compact mass of curly leaves of light yellowish green, very tender and crisp. Pkt. 5 cts., $\frac{1}{2}$ oz. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75, postpaid.

All-Heart. It is a very reliable, hard-heading variety of Cabbage-Lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head. Withstands heat; leaves are closely set, having a solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

Lettuce, continued

Selected Big Boston Lettuce. (White-seeded.)

A very desirable large variety for forcing in coldframes and for outdoor planting. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color tinged with red at the outer edge. One of the most popular sorts in the South for shipment to northern markets. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads firm, and of superior quality. When grown in coldframes, the heads are not so tight as when grown outside. One of the best market varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75, postpaid.

White Big Boston. Forms a fine, large, solid head similar to Big Boston, but does not have brown edges on the outer leaves. Blanches to creamy yellow. Comes earlier than Big Boston. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, ppd.

IMPROVED HANSON. None more reliable for outdoor cultivation. Heads grow to large size, and are very slow to run to seed. Outer leaves are bright green and beautifully frilled on the edges; inner leaves white and deliciously sweet, tender, and crisp. It stands summer heat the best. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

TRIANON COS (Romaine). The long, narrow leaves, which form solid heads, blanch and become snowy white. Excels in quality and crispness. Can be eaten in the same manner as celery. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Wonderful (New York). A truly wonderful heading variety. It is grown in a very large way, especially in the West, many carloads being shipped to all important market centers in the East. It is, unfortunately, marketed under the name Iceberg, which is an entirely different variety. It is peculiar in having a dark green leaf when growing, but when the heads have formed they blanch to a light green,



Wonderful Lettuce

with the center of the head creamy white. A very crisp heading sort, but, like all heading varieties, should be planted so as to avoid hot seasons for heading. This splendid mammoth-heading and long-keeping variety has been grown to weigh six pounds to the head; frequently weighs two to three pounds. Heart is solid, of light green color, very sweet, tender, and crisp. Long-standing; perfect heads may be cut from the same bed for many weeks. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

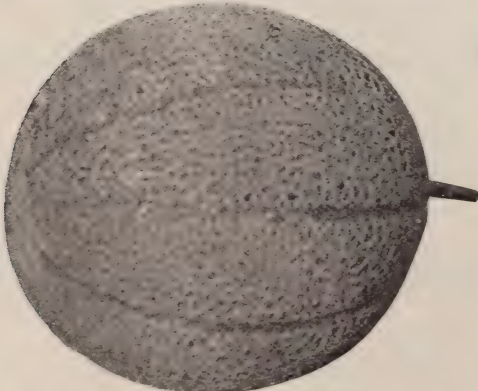
Muskmelons or Cantaloupes

Melon *Almizcleno o Cantain*
Zucker Melonen

A rich, sandy soil and good seed are absolutely necessary for success in raising the best Muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hills 6 feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put six to ten seeds in the hill and when danger from insects is past, leave three or four of the strongest plants only. Musk or Cantaloupe Melons may also be sown in rows that are made about 6 feet apart, and when the plants are well up thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method requires more seed but insures a good stand of plants in spite of the bugs. Cultivate often and not deep.

One ounce will plant 60 hills; 2 to 3 pounds will plant an acre

True Blue Seeds are seeds of the highest quality



Hearts of Gold Muskmelon

Delicious Gold-lined Rocky Ford. The shape is slightly oval, heavily netted. Flesh thick, fine-grained, and sweet; color green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.60, postpaid.

Edward's Perfecto. Said to be superior to Pollock's No. 10-25. Fruit very uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick and of a beautiful salmon color, shading into green as it nears the rind and very sweet. Perfecto has the deepest flesh, smallest seed-cells and more salmon-colored flesh than any other type of shipping melon. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Pollock's No. 10-25. Uniform in size of fruit, fine keeping and shipping qualities, and attractive appearance. Flesh salmon at the center, shading to light green at the rind; thick flesh and very sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, ppd.

Emerald Gem. Ripens early. Medium-sized, nearly round melon, with delicate light salmon flesh, very thick, fine-grained, and of superb flavor. The rind is thin, dark green, ribbed, slightly netted. One of the best for home use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, postpaid.

Hearts of Gold. The original name of this melon was Hoodoo, but Hearts of Gold is much better. Vine vigorous, blight-resisting, and very productive. The fruits vary slightly in shape, averaging nearly round. The netting is very dense and fine over the entire surface. Rind, although thin, is very firm, hence it is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, postpaid.

Don't miss our Vegetable and Flower Seed collections on second and third cover pages



Livingston's Ohio Sugar Muskmelon

Livingston's Ohio Sugar. Absolutely distinct and very superior melon, the result of years of most careful and painstaking selection and breeding. One of the sweetest and most luscious green-fleshed Cantaloupes now on the market. It is the rarest exception that an under-quality melon is found. Of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness; seed cavity is small. Uniform shape. A market and home-garden melon. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon, fragrant and of very fair quality. Early. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75, postpaid.

A. L. MOSELEY, Arapahoe County, Colorado, writes, August 8, 1929: *I sent some of the Oxheart Tomato seed that I got from you to friends in Kentucky, where we formerly lived, and they write us that they are the finest they ever saw; got one that weighed 2 pounds.*

Honey Ball.

As round as a ball. Thick skin; cream colored and smooth, sweet, green flesh and small seed cavity. A wonderful shipping melon. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Honey Dew.

Sweet as honey. Melons average 6 inches in diameter, and weigh five to six pounds. Skin smooth, little netting, creamy yellow when ripe; flesh very thick, melting, fine-grained.

Salmon or Green Flesh. Either one at pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35, postpaid.

Lake Champlain. An exceedingly early salmon-fleshed melon of medium size and good quality. It is not entirely true as to type, but on account of its extreme earliness and quality we recommend its use for home and near-by markets. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Extra-Early Knight (Sweet Air). A very early, medium-sized melon. Fruit oblong; skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink near the center. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Extra-Early Osage. A week to ten days earlier than the old-type Osage, and nearly as large. Flesh very thick, salmon-colored, and of high quality; form, color, and general appearance similar to Osage. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50, postpaid.

Greeley Wonder. This melon is quite large, averaging four to five pounds, nearly round, and having a very heavy netting. Flesh is quite thick, fine-grained, salmon-colored and of fine quality. A late sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, ppd.

Osage. Large, oval, slightly ribbed and netted; skin very dark green; flesh very thick and sweet, delicious to the rind. Crop very even and fruit extra heavy. A favorite main-crop variety for market purposes or home-garden. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Bender's Surprise. A very popular variety in the East, particularly in northern New York. Skin light greenish yellow when ripe. A very delicious, large, salmon-fleshed melon with superior shipping and keeping qualities. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

Livingston's Tip-Top. Tip-Top in quality, appearance, and productiveness. Introduced by us in 1892. This splendid melon has "held its own" for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. The testimony of all who have used Tip-Top is that every melon produced, whether big or little, early or late, is a good one—sweet, juicy, finest flavor, firm fleshed and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Customers soon learn to pick them out and will have no other variety. Fruit of large size, and flesh bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. Originator's Strain, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid. By express, not prepaid, 5 lbs. \$6.25.

Special prices on Muskmelons in larger quantities



Livingston's Tip-Top Muskmelons

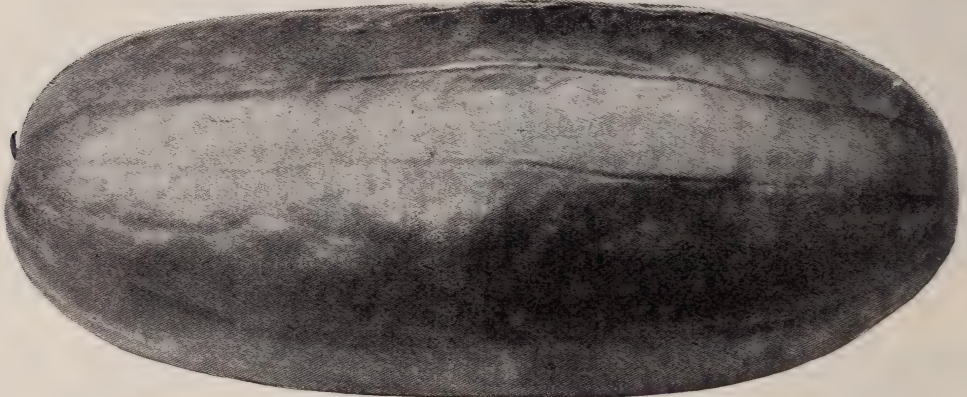
Watermelon

Watermelons

Sandias

A light, sandy soil, with good exposure to the sun, is the best situation for Watermelons. The ground should be prepared deeply, but receive shallow cultivation. Hoe often and very thoroughly about the hills. If extra-large Watermelons are desired for exhibition purposes, leave but one or two on a single vine. Plant in hills 8 to 10 feet apart each way, with a very generous shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used, it should contain a large percentage of ammonia and potash. Plant eight to ten seeds in each hill, and finally, when danger from insects is past, thin out to three strong plants.

Owing to the large size of Watermelon seeds, the ounce-size packets are about right for small gardens. One ounce of seed will plant 20 to 30 hills; 4 to 5 pounds will plant an acre



Kleckley's Sweet Watermelon

Kleckley's Sweet. Also known as Monte Cristo. A great melon for home and nearby markets. This splendid Watermelon has certainly become very popular. It is of superb flavor. While the skin is, perhaps, too thin to admit of the melons being shipped very great distances to market, it is most desirable to plant for home use or local markets. The melons are very large, averaging from 18 to 20 inches in length by 10 to 12 inches in diameter, with dark green skin. They are of oblong form, handsome appearance, and ripen early. Flesh is bright scarlet, with solid heart, deliciously crisp and sugary. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. \$3, 10 lbs. \$5.50.

Halbert Honey. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delicious flavor; pulp entirely free from stringiness; seeds white. One of the finest for the home-garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

HARRIS' EARLIEST. One of the earliest good Watermelons. Large, oval sort, with mottled skin; sweet, tender flesh. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

PRESERVING CITRON. Red-seeded. Most desirable for preserves. Flesh solid and white. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts., postpaid. •

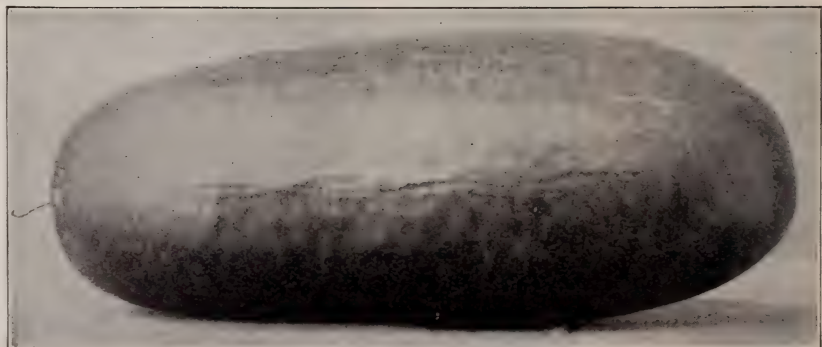
Ice Cream. True White-seeded. The great kitchen-garden and home-market Watermelon. This old standby has too thin a rind for shipping unless packed in straw. Few varieties, if any, surpass a true Ice Cream Watermelon for quality and productiveness. Of good size; medium early; fruit oblong; rind light mottled green; bright red flesh, and solid to the center; melting and delicious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., postpaid. By express, not prepaid, 5 lbs. \$3.

Tom Watson. Greatest of all shippers. An extra-long melon of attractive appearance, uniform in shape and quality. The average melon will weigh 35 to 40 pounds and measure about 24 inches long and about 10 inches in diameter. Its luscious crimson flesh is sweet, melting, and of superb flavor. It is very prolific, producing in greatest abundance the large, delicious fruits. Rind thin but tough, hence popular for shipping. We sell large quantities of Tom Watson to commercial growers. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid. By express, not prepaid, 5 lbs. \$2.50, 10 lbs. \$4, 100 lbs. \$30.

Fordhook Early. The earliest and best melon of good size. Next to Cole's Early in time of ripening, but much larger. Fruit round; skin dark green; flesh is bright red, of fine quality. Good shipper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

COLE'S EARLY. Very hardy. A sure cropper for Northern States. Its dark red flesh is delicate in texture; rind green, striped with lighter shades, thin and brittle; of medium size, and nearly round. Matures early. Especially good for home use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

Hotkaps will protect your plants from frost, wind, rain, insects, etc. See page 68



Ice Cream Watermelon

If wanted in larger quantities we will gladly quote special prices on Watermelon seed

WATERMELONS, continued

Irish Gray. This melon has already become popular. The vine is very vigorous and holds up well. Its melons are similar in shape and size to Tom Watson. The rind is beautiful greenish gray, very attractive, thin but very tough, hence a good shipper; flesh red and free from stringiness. Well adapted for either market or home use. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

THURMOND GRAY. A large, long melon which comes into bearing at the same time as Tom Watson. It has beautiful gray-green skin—very attractive. The flesh is a rich crimson in color and of delicious flavor. An improvement on Gray Monarch. It will stand shipping remarkably well. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 80 cts., postpaid.

GRAY MONARCH (Long Light Icing). Very large melons, oblong in shape with sweet, crimson flesh and gray skin. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Chilian. Has a great reputation on the Pacific Coast and in Old Mexico. Fruits medium size, nearly round, or slightly oblong; skin rich, deep green, indistinctly mottled and striped with a lighter shade; flesh bright red, fine grained, and sweet, quality second to none. A good shipping melon. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid.

SWEETHEART. Splendid for shipping—popular in the South. It is hard to beat as to quality and productiveness. Melons oval, very heavy, very thin rind, but firm. In color it is a light green, slightly veined with a darker shade. The flesh is a bright red, very tender and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. \$2.50.

FLORIDA FAVORITE. A splendid oblong early melon. Skin dark green, slightly mottled, with still deeper shade; flesh dark red and of the finest flavor and quality; seeds white. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid. We can supply Phinney's Early Round Dark Icing and Peerless. Each, pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid



Chilian Watermelon

GEORGIA RATTLESNAKE or STRIPED GYPSY. Very large, long, smooth and distinctly striped; flesh bright scarlet, very crisp and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

ROUND LIGHT ICING. The fruits are small-medium, nearly round, greenish white, slightly veined or dotted with light green. The flesh is bright, light red, very sweet and tender. Seed white. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Ask for special prices on Watermelon seed in 10- to 100-pound lots

Mushroom Spawn

Mushrooms may be grown in a shed, cellar, or cave, under the benches in greenhouses, in fact, in any place where conditions of temperature and moisture are favorable or can be controlled. We receive fresh Spawn several times a year from the best American growers.

American Pure-Culture Spawn. Produced from original spore cultures under the new French process, which permits the indefinite reproduction of selected varieties without dilution of the strain, and free of any trace of the parasitic diseases of the Mushroom. Positively the most vigorous and prolific Spawn on the market. Each brick weighs from 1¼ to 1½ pounds, and will spawn about 10 square feet of beds. Produces a crop very uniform in size and color. Per brick, 40c., postpaid. By express or parcel post, not prepaid, 5 bricks, \$1.30, 25 bricks, \$6.25. CULTURAL LEAFLET WILL BE SUPPLIED TO CUSTOMERS



Southern Giant Curled Mustard

Senf Mustard Mostaza

The leaves are used as a salad or may be boiled like spinach. Sow seed in any good garden soil early in the spring, in rows 1½ to 2 feet apart, and when well up thin out the plants so as to stand 8 to 10 inches apart. By making several sowings a week or so apart, the fresh, tender leaves may be had throughout the season. One ounce of seed will sow 50 feet of row

Fordhook Fancy. The vigorous-growing plants have beautiful, dark green, curled leaves. It is most productive from early spring sowings, and stands well, even during the hot summer months. Most popular of all. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.25, postpaid.

CHINESE. A giant curled variety with leaves of large size. Its quick growth insures tenderness and mildness of flavor. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

WHITE ENGLISH. Leaves are light green, mild, and tender when young. Seed light yellow in color and is used in pickles. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid.

Southern Giant Curled. Is highly esteemed in the South, where the seed is sown in the fall and plants used early in spring as a salad. Plants 2 feet high and produce large bunches of tender green leaves. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

Zwiebeln Choice Onion Seeds Cebollas

CULTURE.—Onion seed should be sown as early in the spring as possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful Onion-growing. They delight in a rich, deep, sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Sow the seed in rows 12 to 14 inches apart and about $\frac{1}{2}$ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand about 2 inches apart, keeping them well hoed and free from weeds at all times throughout the season.

Complete cultural leaflet free to customers



Livingston's Ohio Yellow Globe Onions

YELLOW GLOBE DANVERS. Early and abundant cropper. Large, very thick bulb, flat or slightly convex bottom, full oval top, small neck and rich brownish yellow skin. We consider our Globe Danvers just right for critical growers. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

SOUTHPORT YELLOW GLOBE. Produces large, perfectly globe-shaped bulbs. Color of the skin is brownish yellow. Flesh white, fine-grained and crisp. Quite similar to Yellow Globe Danvers, but a little later and of larger size. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

YELLOW DUTCH or STRASBURG. Used more than any other variety for growing yellow Onion sets, but the Ebenezer and Mountain Danvers should be tried. It is also a good-keeping, half-round sort for home use. We have a superior strain of this popular variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

Mountain Danvers. This variety is semi-round. It is one of the very earliest and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. Grown for us on contract in Colorado, in altitudes which are peculiarly adapted to producing Onions of extreme earliness and hardness. A fine sort to grow for sets on account of its good keeping qualities. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

Ebenezer (JAPANESE). This is the mildest yellow Onion in our list. The Onions are large (often 4 inches in diameter), somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor; very small top and ripens quite early for so large a variety. One of the best for sets as they keep almost indefinitely. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

Southport Red Globe. Most popular of any red Onion, especially in the West. The largest of the Southport Onions, ripening from a week to ten days after the yellows. The bulbs are remarkably uniform in shape, of a rich red color, ripen evenly and yield a large percentage of marketable Onions. Flesh pinkish white. They ripen down hard, keep well, and their beautiful appearance helps to sell them. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Ohio Yellow Globe. Sure cropper; long keeper; early. This fine strain is of that extreme type of Globe now so deservedly popular in all large Onion markets. Its main points of excellence are: **Distinct and attractive shape; handsome, bright, even color; necks very small; ripens early, and all at once.** The solid bulbs are excellent winter keepers, and all that can be desired in size and quality. This superb Onion is the most popular of the Yellow Globe sorts. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

LARGE RED WETHERSFIELD. A standard red variety. Large; skin deep purplish red; form round and flattened; flesh purplish white. One of the best keepers. A great yielder. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

EXTRA-EARLY RED. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.

Ask for prices on Onion Seed in large lots.



Ebenezer Onion

Onions, continued



Southport White Globe Onion

Southport White Globe. The handsomest Onion grown. Beautiful silvery white, perfectly globe-shaped, uniform in size. Flesh firm, fine-grained, solid, and of pleasant flavor. Very small neck. Our stock of this important variety has been giving great satisfaction. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3, postpaid.

Mammoth Yellow Prizetaker. Can be grown to enormous size and is hardy and a good keeper for one of such mild flavor. One of the best keepers of the foreign sorts. It ripens up firm and very fine grained. Skin rich light yellow; flesh white. Has produced more bushels of marketable Onions to the acre than any other variety. Often grown by the transplanting method. Our seed is American grown. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

AILSA CRAIG. Of the same type as Prizetaker. This variety grows to enormous size. By using the transplanting method, specimens have been grown to weigh 3 pounds. It is globe-shaped, has a fine straw-colored skin and is of very mild flavor. The shape and color together with its great size makes this sort ideal for exhibition purposes. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75, postpaid.

Ask for prices on Onion Seed in large lots

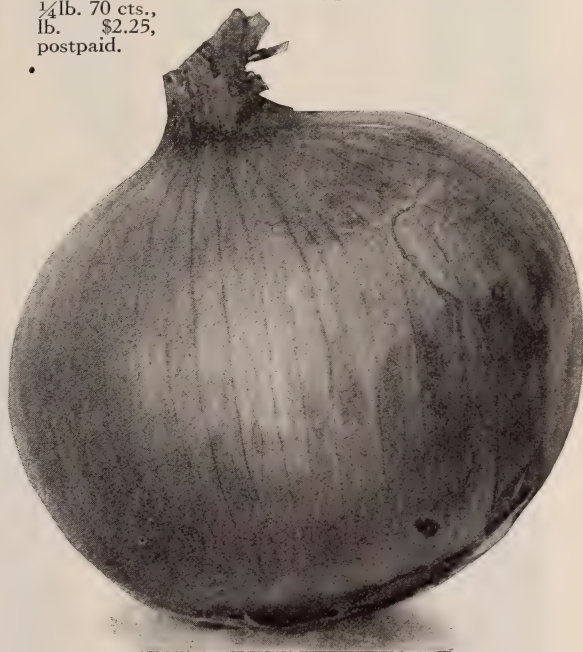
Indiana Silverskin. This is a fine strain of pure white Onion that produces round, hard Onion sets, for which we highly recommend it. The bulbs when fully matured are flat and it is one of the best keeping white varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

WHITE PORTUGAL or SILVERSKIN. Matures early. Rather flat in shape, mild flavor. Excellent for winter. Very much esteemed for pickling when small. Pkt. 10c., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75, postpaid.

MAMMOTH SILVER KING. Of attractive shape, with silver-white skin and flesh of most agreeable mild flavor. Matures quite early and is of large size. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

EXTRA-EARLY WHITE BARLETTA. The very earliest Onion in cultivation. One of the best for pickling, being naturally quite small. Pure white, mild and delicate. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75, postpaid.

WHITE WELSH. Does not form a bulb but is the best sort for bunching. To carry over winter for spring use, seed should be sown in furrows 4 inches deep and filled in as the plants develop. Quality more mild than other perennial sorts. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, postpaid.



Mammoth Prizetaker Onion

Okra or Gumbo

Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry, in drills 3 feet apart, thinning the young plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season. Easy to grow in any good garden soil. Popular in the South.

One ounce of seed will sow 40 feet of drill

Dwarf Long-Pod. Grows only 3 feet high and begins setting its deep green, long, tender pods very early, close to the ground, and very abundantly. Continues to bear late in the season. Adapted to small gardens. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

White Velvet. Distinct in appearance. The large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact branching growth, and very prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

Perkins' Mammoth. Very attractive dwarf plant. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra-good variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., ppd.

Onion Sets

Early green Onions are obtained much earlier by setting out Sets than by sowing seed. Some of the latter, however, should be sown to follow the crop grown from the Onion Sets. Plant both Onion Sets and Seed as soon as the ground is warm and dry in the spring.

Lowest market prices on large or small quantities will be given on application at any time. A pound of Sets is equal to about a quart measure.

WHITE. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., postpaid.

RED. $\frac{1}{2}$ lb. 20c., lb. 35c., ppd.

YELLOW or BROWN. $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., postpaid.

Ask for prices on large quantities of Onion Sets

Erbjen Garden Peas *Chicaros o Guisantes*

Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching, use well-rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown as a market crop, Peas are seldom staked or bushed, but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the variety. Wrinkled varieties are not so hardy as the smooth sorts, and if planted early should have dry, warm soil, and covered only about 1 inch, or they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from 2½ to 3½ feet apart, according to the kind, soil, and manner of culture desired. When grown in the kitchen-garden it is best to sow the seed in double rows, 6 to 8 inches apart, the tall sorts doing better on trellis or brush.

Two pounds sow 100 feet of row; 1½ bushels sow an acre

Livingston's First-in-Market. The earliest of the semi-wrinkled varieties. It is very profitable for the gardener and shipper because it ripens uniformly, so that almost every pod may be gathered at one picking. The pods are handsome, straight, 3 inches long and full of medium-sized round Peas of superior quality. It is immensely productive for such an early sort. One of the finest strains of extra-early Peas. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., postpaid. By express, not prepaid, 7 lbs. \$1.40, 14 lbs. \$2.50.

Livingston's Prolific Early Market. Comes into bearing about a week later than First-in-Market, and it excels in length of pod, number of Peas in a pod, or number of pods to the vine. Single plants yield forty to fifty fully developed pods of the very best quality. One of the sweetest and finest flavored of the early smooth varieties. Vines about 30 inches in height. Pkt. 10c., ½lb. 20c., lb. 35c., ppd. By express, not prepaid, 7 lbs. \$1.40, 14 lbs. \$2.50.

L. D. TUCKER, Noble County, Ohio, writes, July 1, 1929: *I planted 27 pounds Prolific Early Market Peas this spring, from which I marketed 23 bushels. Can you beat this?*

EXTRA-EARLY ALASKA. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., postpaid. By express, not prepaid, 7 lbs. \$1.40, 14 lbs. \$2.50.



Little Marvel

Acquisition. The finest of the blue-seeded smooth Peas. It is of especial interest to the market gardener, as it comes into bearing very early, has an attractive deep green pod about 4 inches long, and sells easily on sight. Ready for market the same time as Gradus, and while not so good in quality, is more prolific. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.85.

Little Marvel. This Pea has been rightly named. It is an early wrinkled sort, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Adapted to home-gardens. Pods dark green, 3 inches long, round with square end, and often contain seven rich, dark green Peas. Little Marvel outsells Premium Gem, American Wonder, and Nott's Excelsior. Looks like it's the best in its class. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.75.

PREMIUM GEM. Pods are light green, round, with blunt end having an average of six light green Peas of good quality. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., postpaid. By express, not prepaid, 7 lbs. \$1.50, 14 lbs. \$2.60.

AMERICAN WONDER. Esteemed for earliness, productivity, and quality. It grows about 10 inches high, and produces pods about 2½ inches long, which are filled with fine-flavored Peas. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.85.

Five Giant-podded Early Peas

PETER PAN. Produces large, dark green pods filled with Peas of fine quality. Has vigorous, large, dark foliage and stands about 15 to 18 inches in height. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 14 lbs. \$3.

Pioneer. Vines vigorous, growing 15 to 18 inches high, with dark green pods 3¾ inches long which are filled with light green Peas of delicious flavor. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 14 lbs. \$3.

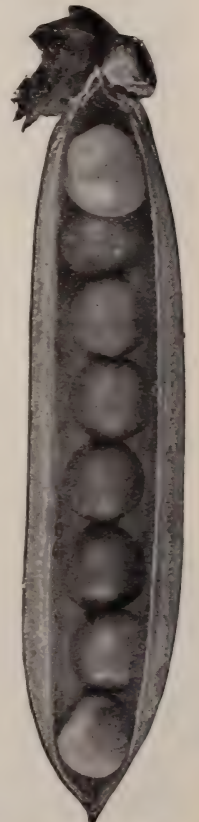
Laxtonian. This is a giant-podded, early dwarf Pea having large, dark green pods and Peas, of finest quality. Is taking the place of Peter Pan and Pioneer. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.70, 14 lbs. \$3.15.

Blue Bantam. Claimed to be an improvement on the above large-podded dwarf Peas. Grows 15 inches high with fine, dark foliage, pods, and Peas. Pods 4 inches long with eight Peas of fine quality. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.80, 14 lbs. \$3.25.

Laxton's Progress. Another large-podded variety, about four days earlier than any of them. Grows about 18 inches high. Pods 4 inches long, deep green in color, pointed and containing eight large dark green Peas of delicious, sweet flavor. This variety may displace those above, of earlier introduction. Try it. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., postpaid. By express, not prepaid, 7 lbs. \$1.85, 14 lbs. \$3.40.



Laxton's Progress



Blue Bantam

ASK FOR PRICES OF PEAS IN LARGER QUANTITIES

Garden Peas, continued

MARKET SURPRISE. A Large-podded First-in-Market. The pod is large, measuring about 3 1/4 inches in length and 3/8 inch in width and the picking season a little longer than that of First-in-Market. As a sort to follow Extra-Early Alaska, it will prove a dandy good one. Pkt. 10 cts., 1/2 lb. 20 cts., lb. 35 cts., postpaid. By express, not prepaid, 7 lbs. \$1.35, 14 lbs. \$2.40.

Alderman (Dark-podded Telephone). A late wrinkled variety growing about 4 feet high and bearing freely large pods and Peas of a dark green color, and on this account considered by many superior to Telephone. Quality extra fine. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.75.

TELEPHONE. Vine large, with coarse leaves; height about 4 feet. The large light green pods are filled with large Peas, tender, sweet, and of fine quality. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.75.

Nott's Excelsior. This standard, extra-early, dwarf, wrinkled Pea is quite popular. Foliage medium green and rather heavy, suggesting health and vigor. On good soil grows about 12 to 15 inches high. Pods 3 inches long, filled with large sweet Peas, and all are ready to pick at once. A great yielder. Pkt. 10c., 1/2 lb. 25c., lb. 40c., postpaid. By express, not prepaid, 7 lbs. \$1.40, 14 lbs. \$2.50.

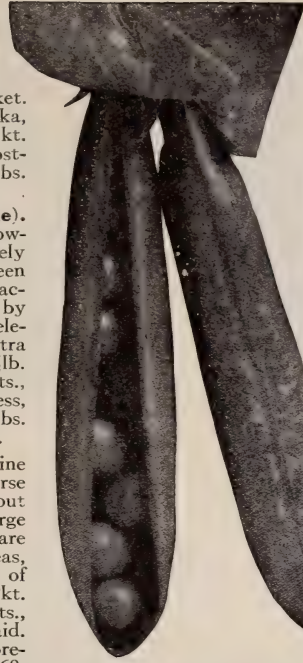
MAMMOTH MELTING SUGAR. Differs from other varieties in that the pods are cooked the same as beans. Pods are very large, fleshy, and of fine quality. Vines are about 3 to 4 feet in height. Pkt. 10 cts., 1/2 lb. 35 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$2.20, 14 lbs. \$3.75.

Gradus or PROSPERITY. This extra-fine variety combines earliness with large size. In earliness, the Gradus follows closely after the first earliest. In height, they grow about 3 feet. The pods are long, straight and handsome. Peas of superb quality. It produces pods measuring 4 to 4 1/2 inches in length, well filled with large, handsome Peas. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.50, 14 lbs. \$2.75.

Thomas Laxton. The vine grows about 3 feet high. Pods large, 4 inches long, with square ends, uniformly well filled. (See illustration.) Yields more shelled Peas than Gradus. The green Peas are very large, fine colored and unsurpassed in quality. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 50 cts., postpaid. By express, not prepaid, 7 lbs. \$1.65, 14 lbs. \$3.

Mrs. J. D. CAMPBELL, Reckbridge County, Virginia, writes: *Please mail me one of your seed catalogues by return mail. My friends recommend your seeds so bigbly that I too would like to deal with you.*

Ask for prices on Peas in quantity

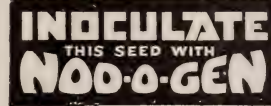


Nott's Excelsior Peas



Thomas Laxton

STRATAGEM. The vines are strong, vigorous, and have large pods, 5 inches in length, containing eight to ten large, richly flavored, wrinkled Peas. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.75.



NOD-O-GEN INOCULATOR FOR PEAS

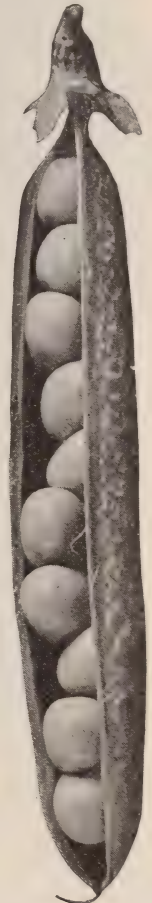
You can have better Peas this season by using this culture. Nod-o-gen Inoculator insures a catch, hastens maturity, increases the crop, and enriches the soil. Peas need nitrogen. Nod-o-gen Inoculator will supply it. Easily applied. See page 68 for more details.

Yankee Prince.

A fine type of the large, medium green, large-podded sort. Height of vine 4 feet. Pods 4 to 5 inches long and contain eight or nine Peas of fine quality. Pkt. 10 cts.,

1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.60, 14 lbs. \$2.75.

Potlatch. A late variety of great value, growing 15 to 18 inches high, with very large pods, measuring up to 6 inches in length. Vines and pods are a rich, dark green, and pods contain eight or nine immense Peas. The plant is a vigorous grower and the pods are borne in pairs. It is a great producer and the quantity of Peas which shell out is surprising. Considered an improvement on Stratagem. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 40 cts., postpaid. By express, not prepaid, 7 lbs. \$1.50, 14 lbs. \$2.75.



Potlatch

C. BODENRIEDER, Marion County, Indiana, writes, July 17, 1929: *The Potlatch Peas I got from you were wonderful.*

Livingston's Home Collection of the Three Best Peas for the Private Garden

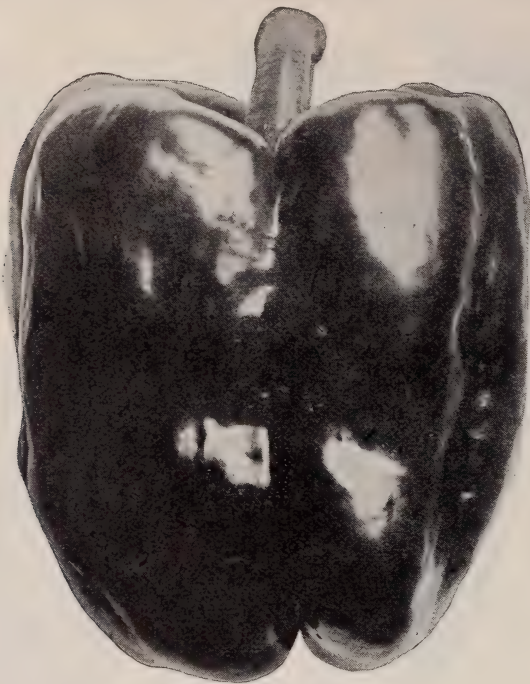
The varieties contained in this collection are all superior sorts—sweet, tender, and delicious. It contains early, medium, and late sorts, and will supply the table with a succession of luscious Peas for a long period.

NOTT'S EXCELSIOR. One of the very best extra-early sorts.

THOMAS LAXTON. Produces most uniformly large pods; medium early.

TELEPHONE. A fine, large-podded, late sort.

1/2 lb. each of 3 Best Peas, 60 cts.; 1 lb. each, \$1, postpaid.



Harris Early Giant Pepper

Harris Early Giant. Earliest of all large-fruited sorts. A large, sweet Pepper, producing good crops, even in the Northern States. The plants are of vigorous growth and covered with enormous Peppers about 4 inches long and 3 inches through. The Peppers are deep green, turning to brilliant red, with thick flesh, of sweet, pleasant flavor. Fruits begin setting when the plants are quite small. A very valuable Pepper for the home-garden and profitable for market. Pkt. 15 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50, postpaid.

Livingston's Ohio Crimson. The sweetest and biggest Mango Pepper. Introduced by us in 1906. Robust, stocky, and a sure cropper. The fruit is extra large and heavy, owing to thick flesh. It is very mild. Splendid for making mangoes. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$5, postpaid.

Oshkosh. (New.) Intense glossy green when growing, and many are used and sold at this time. Bright canary-yellow when ripe. Large, smooth, only slightly ribbed, heart-shaped fruits. Semi-dwarf, very productive. Pkt. 15 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2, ppd.

Chinese Giant. It is of mammoth size, splendid shape, 4 to 5 inches broad and of equal length, beautiful, rich, glossy, bright red flesh, and mild flavor. Its strong, bushy plants are productive of large fruits. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50, ppd.

Mammoth Ruby King. Its splendid size and handsome appearance make this Pepper sell most readily. The plants are vigorous, very bushy, growing about 2 feet in height, well branched, thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, ppd.

RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm, and mild. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3, postpaid.

LARGE BELL or BULLNOSE (Sweet Mountain). An early variety and of mild flavor. It is of medium size with skin fairly thick and fleshy. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3, postpaid.

World Beater. The shape is like Ruby King and the size almost equal to Chinese Giant but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild; flesh thick and firm, making this variety an excellent shipper. Rapidly growing in favor, especially in the South. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25, postpaid.

Peppers *Pimento*

Peppers should be started in a hotbed or coldframe and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. They can also be sown in open ground in a prepared seed-bed when all danger from frost has passed and the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer, stirred into the soil when the plants are about 6 inches high, will be found very beneficial to the crop.

One ounce of seed will produce about 1,500 plants

California Wonder (New)

A very striking new sort of large size and having wonderfully thick flesh—often $\frac{1}{4}$ to $\frac{3}{8}$ inch thick—which is deliciously crisp, tender, and sweet, like the finest pimientos. In color it is a brilliant dark green, changing to crimson when ripe, and is of uniform shape and smoothness. Pkt. 15 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2, postpaid.

Livingston's Extra-Early Red Prolific.

This variety is very early, bright red, and exceedingly prolific. The fruits set on the plants when they are only a few inches in height. A very sure cropper on all kinds of soil. The fruits average 4 inches in length by 3 inches in diameter at the top. It is a valuable sort to the market gardener for first-early crop. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Livingston's Prolific Yellow. Very early, very productive, very mild. Introduced by us in 1914.

Quite similar to our Extra-Early Red Prolific except in color. Immensely productive of bright yellow fruits of the most convenient size for stuffing. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, postpaid.



World Beater Pepper

Peppers, continued



Sunnybrook Pepper

"RED HOT" MIXTURE. Includes a number of small, ornamental sorts which are as "hot as fire." Pkt. 10 cts., postpaid.

Sunnybrook. The Sunnybrook is larger and an improvement on the older type of the tomato-shaped Pimiento. It comes into bearing early, is very productive, has very thick, sweet flesh, and is brilliantly red. The best of this type. Pkt. 10 cts., ½ oz. 20 cts., ¼ lb. \$1, lb. \$3.50, postpaid.

MIXED MANGO PEPPERS. A choice mixture containing a large number of sweet varieties suitable for stuffing and mangoes. Pkt. 10 cts., ½ oz. 25 cts., postpaid.

Livingston's Improved Thick Long Red. Introduced by us in 1899. A great improvement on the ordinary Long

Red Cayenne, with handsome bright red pods of about the same length, but much thicker. (See illustration which shows normal size.) The flesh is thick and very hot. Exceedingly prolific. Produced early in the season while prices are high. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.15, lb. \$4, postpaid.

Sweet Salad or PIMIENTO.

("Perfection.") Fine for the home-garden, both green and ripe. It is smooth and uniform, heart-shaped, beautiful scarlet when ripe. The meat is thick, very sweet and delicious. Very productive. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. \$1, postpaid.

TOMATO-SHAPED (Pimiento). This thick-meated sort has mild-flavored brilliant red flesh. Comes early and is productive. Smaller than Sunnybrook. Pkt. 10 cts., ½ oz. 20 cts., oz. 30 cts., ¼ lb. \$1, postpaid.

SMALL CAYENNE (Red Chili). The pods are 1½ inches long; very hot. Used for making pepper sauce. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.15, postpaid.

LONG RED CAYENNE. Three to 4 inches long, quite narrow and hot. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.15, postpaid.

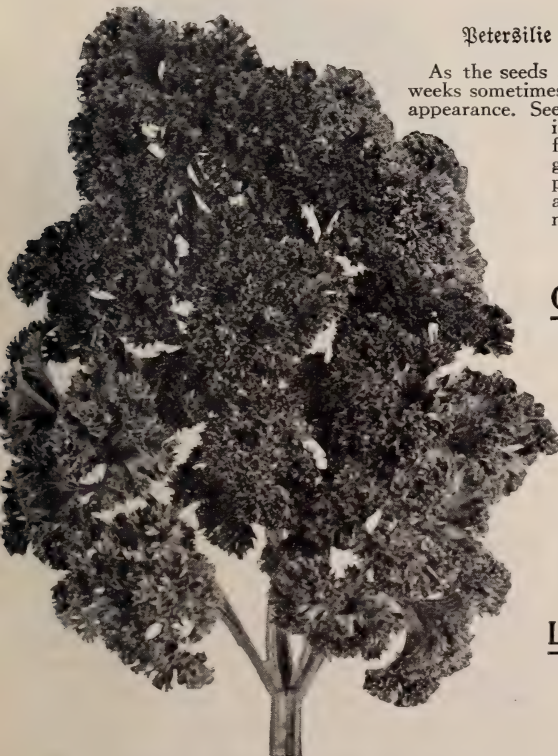


Improved Thick Long Red Pepper

Petersilie Parsley Perefil

As the seeds germinate very slowly, three to four weeks sometimes elapse before the plants make their appearance. Seed should be sown early in the spring. Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing. It makes an ornamental border in the flower-garden. Succeeds best in a rich, mellow soil. Take up a few plants in the fall and put into 6 or 7-inch pots. Keep well watered and they will produce an abundance of leaves all winter, besides making very ornamental plants.

One ounce of seed will sow about 150 feet of drill



Champion Moss Curled Parsley

Champion Moss Curled. A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.40, postpaid.

FINE DOUBLE CURLED. A standard dwarf variety having deeply cut and beautifully curled leaves. A very fine sort, largely grown by gardeners for market. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.40, postpaid.

Hamburg (ROOTED). The fleshy roots of this variety resemble parsnips, and are used in soups and stews. The flesh is white and sometimes similar to celeriac (root celery). The roots may be dug and carried through the winter, like turnips, etc. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.40, postpaid.

Livingston's Exquisite. The Finest Strain of Curled Parsley. One of the features in any variety of Parsley is the ornamental effect of its leaf when used for garnishing. This is a very strong point in our Livingston's Exquisite, with its very elegant and closely curled leaves of beautiful dark green, while the flavor is all that could be desired. As a pot plant for winter decoration it deserves its name—Exquisite. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75, postpaid.

Parsnips

Pastinaca Chiriva

Parsnips are quite hardy, hence you can sow the seed as early in the spring as the soil and weather will permit. Plant in drills 15 inches apart and $\frac{1}{2}$ inch deep, in rich, well-manured ground, well dug. Keep crust from forming over the seeds or they won't be able to get through. Cultivate often and keep free from weeds, especially while small, and thin to 4 inches apart in the rows. If you prefer them short and thick, don't break up the ground more than about 6 inches deep. The roots improve by being left in the ground until spring. Secure enough in pits or the cellar for winter use.

One ounce of seed to 200 feet of drill; 5 to 6 pounds for an acre

Hollow Crown (Large Sugar; Guernsey). This variety is probably grown more universally than any other Parsnip. The roots are white, smooth, sugary, and of excellent flavor, easily harvested, 12 to 15 inches in length, and often 3 inches in diameter at the top, with a hollow crown about the stem. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 85c., ppd.



Hollow Crown or Large Sugar Parsnips



Improved Large Virginia Peanut

SWEET SPANISH. The earliest variety grown. Pods are small, remarkably solid, well filled, and of an extra-fine quality. Yield per acre very large. Large pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 45 cts., postpaid. By freight or express, not prepaid, 3 lbs. 75 cts., 5 lbs. \$1.15, 10 lbs. \$2.

Peanuts

Peanuts require rich, sandy soil. Plant, with the hulls on, in rows about 3 feet apart, and about 10 inches apart in the rows. When ripe dig up the vines and hang up to dry.

IMPROVED LARGE VIRGINIA (Jumbo). A very profitable variety to grow and easily cultivated as it is very erect. It has the largest pods and more kernels with fewer imperfect pods than any other variety. Vines make valuable forage for stock. By mail, large pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 45 cts., postpaid. By freight or express, not prepaid, 3 lbs. 75 cts., 5 lbs. \$1.15, 10 lbs. \$2.

Speiße Kürbiß

Pumpkin

Calabazas

Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May, when you plant your corn. Make hills the same as you do for squashes, but about 8 to 10 feet apart each way. It is preferable to grow Pumpkins in the field, and not in the garden, as they mix with the squashes and other vines. You can sow some among the late corn, putting in a few seeds, say every third or fourth hill. This will give you plenty for the table, and your stock the coming winter.

One ounce of seed will plant 15 hills; 3 to 4 pounds will plant an acre

Common Yellow Field (Yankee Cow; Conn. Field). The common variety cultivated by farmers for stock-feeding, and is used to some extent for canning. Very productive. Same color as Small Sugar but not so sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

WINTER LUXURY. The fruits are of medium size, nearly round, with very thick meat; flesh is light yellow; skin golden yellow with gray netting. Excellent for pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Special prices on larger quantities of Pumpkin seed



Small Sweet or Sugar Pumpkin

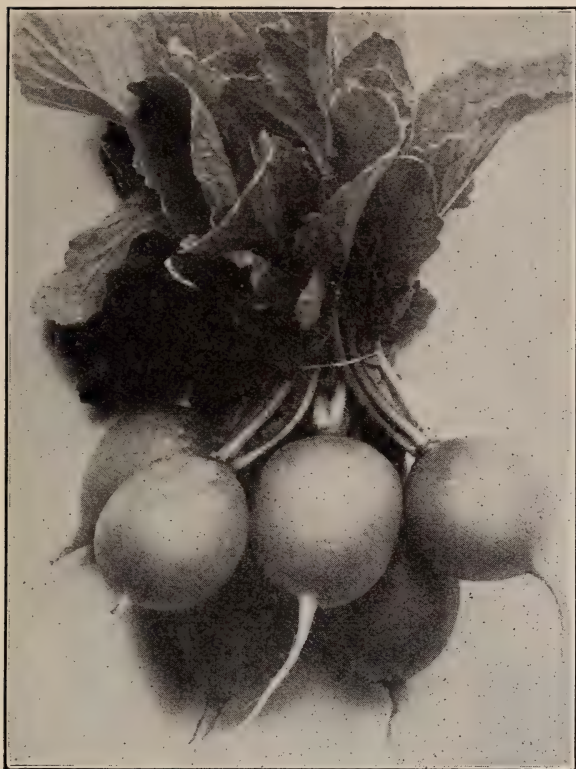


Large Sweet or Kentucky Field Pumpkin

Small Sweet (Sugar). This is the small, sweet Pumpkin that has made the New England States famous for their Pumpkin pies. The flesh is very fine-grained, most deliciously sweet-flavored, and a splendid keeper. It averages about 10 inches in diameter and is of deep orange-yellow color. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1, postpaid.

GENUINE MAMMOTH (True Potiron; King of the Mammoths). Of immense size (often 2 feet in diameter and sometimes weighs 150 pounds); with depressed ends and slightly ribbed salmon-color skin; flesh bright yellow. Great exhibition sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Large Sweet (Kentucky Field). A large, round, flattened Pumpkin that is hardy and productive. It grows 1 to 2 feet in diameter and has thick orange flesh of extra-fine quality. A splendid sort for canning, family, and market use; also used extensively for stock-feeding. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts., postpaid.



Early Scarlet Globe Radishes

Early Scarlet Globe. Most popular of all globe-shaped early Radishes. This splendid globe Radish is the very finest early strain of the round, bright red Radishes. Flesh pure white, crisp, tender, and of delicious quality. Fine for market gardeners as a first-early forcing Radish. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

EARLY SCARLET TURNIP. Quite early, small, round Radish with rich dark scarlet skin. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Rosy Gem. One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom, tender and crisp. The greenhouse strain of Cooper's Sparkler. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Cooper's Sparkler (SCARLET TURNIP WHITE-TIP). A splendid variety of the Scarlet Turnip White-tipped type, but showing more white, while the upper half is a bright scarlet. One of the most attractive varieties grown. Very crisp and of good quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Livingston's Selwel. An increasing demand on some markets for a Radish with a larger portion of white than in Cooper's Sparkler has prompted us to offer Selwel. The upper half of the bulb is a pleasing scarlet while the lower portion is pure white. It is almost round, is one of the first ready for use, and on account of its very attractive appearance should at once become popular. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35, postpaid.

Semesan

Semesan possesses remarkable properties for sterilizing seeds, bulbs, roots, and corms of the parasitic seed and plant diseases; also accelerates germination, and stimulates seedling growth. Prevents damping off. Send for booklet. See page 68.

Prices in this Seed Annual are quoted subject to change but usually hold good throughout the season.

Radief Radish *Rabanitos*

All varieties thrive best in light, sandy loam. For early use, sow in the hotbed in February, giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry, covering the seed about $\frac{1}{2}$ an inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for table use. Radishes must grow rapidly to be crisp, mild-flavored, and tender. We offer a very fine assortment.

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre

Saxa. This variety is of a beautiful scarlet color, round as a marble, and having a very small top and tap-root. It comes so quick that it has been placed on the dining-table in three weeks from the time of sowing seed. The flesh of Saxa is very crisp and juicy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Crimson Giant. It grows much larger than other early varieties, but does not become pithy, even when fully twice as large in diameter and a week older. It has largely replaced Early Scarlet Turnip. Beautiful crimson-carmine; turnip-shaped; flesh firm, crisp, and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Fireball (NON PLUS ULTRA). A pretty little round Radish, deep, rich scarlet in color, with very small tops and crisp, tender, white flesh. A little earlier than Scarlet Globe, but not quite so large. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

FRENCH BREAKFAST. Of quick growth, very mild and tender, of oval form, scarlet tipped with white. One of the best real early sorts for the home-garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

EARLY SNOWBALL. One of the quickest growing Radishes besides being one of the prettiest round varieties in the whole list; white as snow, smooth, crisp, and extremely tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

MODEL WHITE BOX. A short-topped Radish of rapid growth, perfect turnip shape, and extra-fine quality. Is especially suitable for growing under glass. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

GOLDEN GLOBE. Most perfect globe-shaped; golden colored skin; white flesh, tender, brittle; withstands heat. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.



Showing type of Livingston's Selwel Radish

Radishes, continued

Cincinnati Market. This superb Radish originated in southern Ohio. We introduced it to our trade in the spring of 1895. It has become so deservedly popular that we have had to grow it in large quantities to supply the demand. It is an improvement on Long Scarlet Short-Top. The tops are so small that the Radishes may stand very close in the rows. It grows straight and smooth, 6 to 7 inches in length. The skin is a beautiful scarlet, very thin; flesh crisp, brittle, and of delightful flavor. Immense quantities are grown in some of the Southern States and shipped to northern markets by the carload. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid. By express, not prepaid, 5 lbs. \$4.50, 10 lbs. \$8.50, 20 lbs. \$15.

EARLY LONG SCARLET SHORT-TOP. An outdoor, quick-growing long variety both for private and market-gardens. The average length is 6 inches straight, uniform; tops small; bright scarlet in color; crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

IMPROVED CHARTIER. A clear rose-colored, long Radish, shading into pure waxy white at the tips; attains large size; grows fast. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

Lady Finger or **LONG WHITE VIENNA.** Of beautiful shape, with skin and flesh pure white, very crisp and tender. A most rapid grower and long standing. It is later than Long White Icicle. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

GIANT WHITE STUTTGART. A large, top-shaped sort with flesh and skin white, of fine quality, firm and brittle. Can be stored for winter the same as turnips. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

WHITE DELICIOUS. The roots are of distinct half-long form, tapering to a point. They grow to good size, are of handsome appearance, and the pure white flesh is crisp, solid, and of mild flavor. A good summer variety. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Livingston's All-Season Radish Mixture.

Livingston's All-Season Mixture of Radish Seed contains all shades and shapes—red, white, pink, variegated; round, half-long and long—in great variety. Just fine for small gardens, where space is limited, and where you want to make a garden and be done with it. One sowing does for the whole season. Large pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., postpaid.

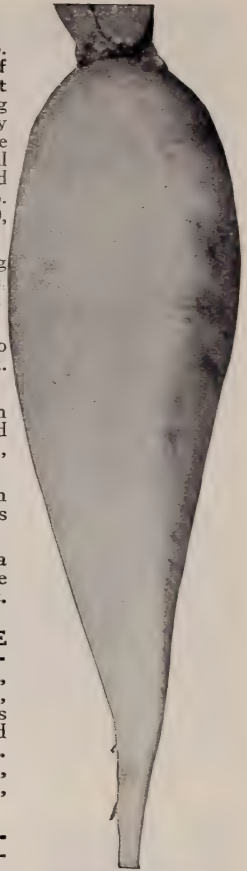
Livingston's Pearl.

A beautiful, pearly white, half stump-rooted variety of exceptional merit. It is very crisp and after having reached its best condition, it remains in good shape for two weeks or more before becoming woody or showing signs of going to seed. We can heartily recommend this variety. The most popular of all long white sorts. Everyone who likes a long, white Radish should plant Livingston's Pearl. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid. By express, not prepaid, 5 lbs. \$5, 10 lbs. \$9.50.

Long White Icicle. Very similar to Livingston's Pearl. It grows 4 to 5 inches long, is slightly stump-rooted, and of transparent whiteness. Short leaves. Matures quickly. Most excellent flavor. Equally desirable for home or market-gardens. A long-standing sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid. By express, not prepaid, 5 lbs. \$5, 10 lbs. \$9.50.

Hotkaps

They are like small hothouses, that protect plants from frost, wind, rain and insects. See page 68 for description and prices.



White Strasburg

LARGE WHITE SUMMER TURNIP.

A round, smooth, very white, large Radish that is crisp, tender, and long standing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1, postpaid.

WHITE STRASBURG.

A handsome, oblong, tapering Radish with pure white skin and flesh, firm, brittle, tender and retaining its crispness, even when the roots are quite large. Excellent for summer use, as it withstands heat and grows quickly. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.15, postpaid.

Mrs. A. RITENBURG, Niagara Co., N. Y., writes: "Received the seeds in good shape and will thank you for this extra trouble."

Four Best Winter Radishes

White Chinese. or **NEW CELESTIAL.**

A large, stump-rooted winter Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

CHINESE ROSE WINTER.

A very handsome and distinct bright rose variety, crisp and tender; cylindrical in shape, very smooth. Very desirable sort. Keeps splendidly through autumn and winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

LONG BLACK SPANISH WINTER.

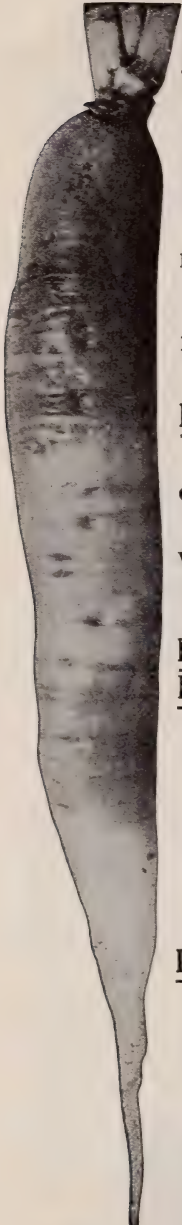
Grows 5 to 8 inches long and is 1 to $1\frac{1}{4}$ inches through at top. Skin black; flesh white and firm. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15, postpaid.

ROUND BLACK SPANISH WINTER.

Similar to Long Black Spanish, except in shape. Fine for winter. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15, postpaid.



Livingston's Pearl



Cincinnati Market

paid, 5 lbs. \$5, 10 lbs. \$9.50.

Salsify or Oyster Plant

Kaferwurzel Salifi

When properly cooked it is a good substitute for oysters and is very nutritious. A most palatable vegetable. Sow early, in rows $1\frac{1}{2}$ feet apart, and cover firmly 1 inch deep; thin to 3 inches apart in the rows. Salsify may remain in the ground through the winter. The roots are perfectly hardy; in fact, they are best after the frost has touched them.

One ounce of seed will sow 50 feet of drill; 8 pounds will plant an acre

Mammoth Sandwich Island. This splendid variety will average nearly twice the size of other sorts. Grows very uniformly; mild and delicious in flavor. A popular sort with all growers. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2, postpaid.

Spinat Spinach *Espinaca*

Spinach will succeed in any ordinary soil, and its cultivation is a very simple matter. It is grown both as a spring and summer crop. To winter over for spring use, sow the seed in August or September, in drills 12 to 14 inches apart. At approach of cold weather, cover lightly with straw or any handy litter. For summer use, sow in spring; thin to 3 to 4 inches.

One ounce of seed will sow 50 feet of drill; 12 to 15 pounds will plant an acre

King of Denmark. The New Evergreen Spinach. It is fit for use in thirty days from time of sowing, and remains in good condition fully two weeks after other varieties have started seed-stalks. It has a beautiful crumpled, dark green, thick leaf of fine quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 55 cts., postpaid.

Write for prices on Spinach in large lots

MRS. E. H. MARSHALL, Clark County, Ohio, writes: *We have used your seeds in the past with highly satisfactory results.*

MRS. J. M. KENNEDY, Jackson County, Iowa, writes: *I am ordering some seeds pretty late. Kindly ship as soon as possible. We were so pleased with the seeds we got from you earlier that we are sending for more.*



New Bloomsdale Savoy Long-standing Spinach

BLOOMSDALE SAVOY LONG-STANDING. A new strain of merit. It is just as early as the old-type Bloomsdale, but stands in marketable condition ten to fourteen days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

VIRGINIA BLIGHT-RESISTANT SAVOY. As its name indicates it is resistant to blight, and should be used where blight is prevalent. The type, however, is not quite so uniform as the Bloomsdale. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 50 cts., postpaid.

Bloomsdale Savoy Reselected. A new strain of Savoy which has been selected so as to eliminate the male plants and thereby prevent running to seed so early in the season. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

IMPROVED THICK LEAF (Viroflay). Good for fall or spring sowing. Has heavy, broad, dark green, curled leaves of fine quality. Inclined to shoot to seed early. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 50 cts., postpaid. By express, not prepaid, 5 lbs. \$1.35, 10 lbs. \$2.50.

Nobel Giant-leaved (Big Crop). The best of the so-called "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick, rounded leaves of enormous size, and although it is a very quick grower, it stands very long before bolting. An improvement, in this respect, over Viroflay, which it will eventually displace. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

VICTORIA. An excellent sort, whether grown for home use or market. It may be sown either in the spring or during late summer and fall. The plants are fit for use quite early. The leaves are very thick and have a mild flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.

New Zealand. A distinct type. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.

PRICKLY-SEEDED WINTER. Triangular, oblong, or arrow-shaped leaves. Seed prickly. Hardest of all, therefore best for fall sowing where winters are severe. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts., postpaid.

Juliana. Undoubtedly the best second-early variety. It is of the same type as Victoria, but very slow to run to seed. It has dark green crumpled leaves, rounded and thick, and short leaf-stems. This Spinach is rapidly growing in popularity. Our seed is from the originator. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., postpaid.



Juliana Spinach

Rhubarb or Pie-Plant

Rhabarber Ruibarbo

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 foot apart. The second year after planting, plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way.

One ounce of seed will produce 500 plants

VICTORIA. In general use for market and home-garden. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Speise Kürbis Squash *Sidracayote*

Plant after weather has become fully settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones $1\frac{1}{2}$ inches.

One ounce of the bush varieties for 40 hills, or of the large-seeded winter kinds for 15 hills; 2 to 3 pounds of the bush sorts, or 4 to 5 pounds of the large-seeded winter kinds are needed for one acre.

Early White Bush (Patty-Pan). The flat patty-pan shaped fruits are 6 to 8 inches in diameter and ready for use very early in the summer. They should be eaten when young and tender. Of true bush form and very productive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15, postpaid.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter, and creamy white. Nearly as early as the above sort. Splendid for market or home-garden; good shipper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

MAMMOTH YELLOW BUSH SCALLOP (Golden Custard). Decidedly the best strain. A flat variety of the patty-pan type, deep orange in color, 8 to 10 inches in diameter. For early summer use only. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

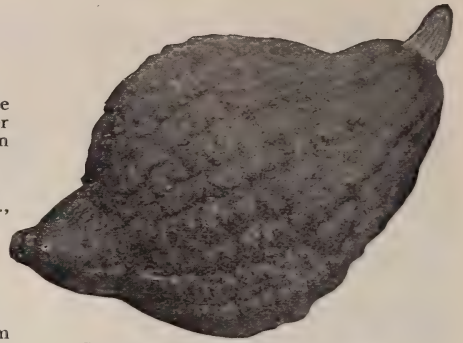
Giant Golden Summer Crookneck. The largest and best of all Summer Crookneck Squashes. It is of dwarf, bushy habit and very productive, bearing early and all summer. The fruits are rich golden yellow, thickly warted. Its cooking qualities are excellent. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, postpaid.

GIANT GOLDEN STRAIGHTNECK. Same as above except in shape. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75, postpaid.



Acorn (Table Queen) Squash

Acorn (Table Queen). This variety averages about 6 inches long by about 4 inches wide, just the right size to serve one-half to a person. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color and fine grained. The quality is excellent. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.



Chicago Warted Hubbard Squash

Chicago Warted Hubbard. Large size; dark green color, distinguished by a dense covering of knots indicating splendid quality; thick yellow flesh. Long keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, postpaid.

Blue Hubbard. (New.) A large variety having a hard blue-gray shell. It is a long-keeping sort. One of the best for quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

GOLDEN or RED HUBBARD. Skin bright, rich orange-red, showy and attractive; shell hard and warty; flesh deep golden yellow, fine-grained, of splendid flavor, cooks dry. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

HUBBARD. Color bluish green. Flesh rich orange-yellow, fine-grained, sweet, of excellent flavor. Has a very hard shell and will keep until spring. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

Livingston's Improved Cushaw. Very beautiful in appearance, being a distinct mottled green and white striped. Flesh yellow, solid, fine-grained, very sweet, and excellent for pies; also good for baking. Crookneck in shape and the neck is all solid flesh. Can be grown among corn, same as pumpkins, and yield a good crop, but the better way is to grow them separately on good, rich soil in hills 10 to 15 feet apart each way. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

COCOZELLE. An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with five ribs; color marbled yellow and dark green stripes; quality fine. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

FORDHOOK. Fruits of convenient small size for family use with thick, dry, sweet flesh, thin skin, and small seed cavity. Maturing early, it is a sure cropper and immensely productive. May be used as a summer sort or stored for winter. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

GREGORY'S DELICIOUS. Outside color green when matured. Flesh thick, dark orange in color, dry, sweet, and of rich flavor. Is best used as a fall and winter variety as it improves with age. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.40, postpaid.

Livingston's Pie. Rich, sweet flavor. Makes good pies even without eggs. The color of the skin is similar to that of the Golden Russet apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. Size, 8 to 10 inches in diameter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25, postpaid.

BOSTON MARROW. Oval fruit of good size, with thin, rich orange skin and flesh of excellent flavor; keeps well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15, postpaid.

Livingston's Squash Mixture

One sowing will produce Squashes for the season. This mixture contains a great variety of summer and winter sorts, just suited for growing for exhibition or table use. Large pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., postpaid.

Livingston's "True Blue" Seeds best by every test, for 79 years

Livingston's Famous Tomatoes

For many years Tomatoes have occupied the center of the stage in our establishment. The interest in this all-important vegetable has been of greatest importance in our house.

We make it a point to know and study all sorts. The descriptions given in this catalogue are as nearly correct as we can write them, as shown by our trial-ground records. Perhaps no more thorough trials of Tomatoes are made anywhere than those on our "True Blue" Seed Farms. They enable us to "keep posted" for the benefit of our customers, and they also show us, year after year, that our Famous Tomatoes are thoroughbred strains equal to any and much superior to many stocks on the market. The cream of all varieties will be found listed on the following pages.

Tomato Culture

For very early fruit, the seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and $\frac{1}{2}$ inch deep. Later sowings may be made until the last of April. (Sufficient plants for a small garden can be started by sowing a few seeds in a shallow box or flower-pot and placing in a sunny window in the house.) When the young plants are 3 to 4 inches high, they should be set 4 to 5 inches apart in another hotbed or coldframe, or transplanted into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden them for planting out. Water freely at the time of transplanting into the open ground and shelter from the sun a few days until the plants are thoroughly established. Cultivate as long as the vines will permit, but the last two or three workings of the soil should be very shallow.

Tomatoes grow splendidly trained to stakes or trellises. The fruit is much improved, not only in appearance, but in quality, and is a week or more earlier. This mode of cultivation is quite common among gardeners who grow for the early market, and at private places throughout the country; especially is this desirable where neatness and at the same time economy of space in the home-garden is desired. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plant up with wool or other strong, soft twine, and pruning quite freely as the vine advances in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape-growers. These paper sacks or bags should be put on when the Tomatoes are about three-fourths grown. Ask for Tomato Booklet giving more detailed instructions. **About 2,000 plants will be produced from one ounce of seed.**

Burbank. A very early red sort originated by Luther Burbank. Ripens a larger percentage of fruit about a week sooner than other early sorts. The plant grows to medium size and is quite productive. Pkt. 10c., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$5, postpaid.

Earliana. The plants are compact in growth, with short, close-jointed branches, setting fruits very early. With our strain of Earliana the fruits are bright red, of uniform medium size, fleshy, solid and smooth. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4, postpaid.

Bonny Best. Best red for greenhouses. Is of medium size, bright scarlet, always smooth, and of uniform size and shape. A splendid sort to follow Earliana in the open field. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Chalk's Early Jewel. Of large size, a few days later than Bonny Best. Flesh thick, bright scarlet, solid, excellent flavor, ripens evenly. One of the largest cropping varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

John Baer. An extra-early red-fruited sort of merit that comes into bearing at about the same time as Bonny Best. The fruits are large, nearly round, smooth, and of good quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.25, postpaid.



Livingston's Ohio Red Tomato

Livingston's Ohio Red Tomato

An entirely new type of Tomato

Well! We are wondering how those who ordered our Ohio Red Tomato the past season came out with the crop. We will be glad to hear from anyone. Our crop of it did fairly well for a new variety the first year. The fruits were not all the shape of the one shown above, or on the outside cover, and we did not expect them to be. A large percentage, however, were. They were all quite smooth and proved to be very productive. For the season of 1930 we have selected for earliness, larger size, perfect shape, and heavy yield. The seed we are offering was saved only from fruits of the shape as shown above. We describe it as follows. In shape it is the reverse of the old flat type which was shallow from stem to blossom. (See illustration above and on the back cover page.) There is but little indentation at the stem end; in fact, none at all in many of the smaller fruits. They frequently have a slight point at the blossom-end, are of good average size, of brilliant red color, and one of the most attractive sorts we have ever seen. Not a freak, but has real, practical value, appealing at once both to private and market gardeners. On account of our stock this season not being so limited as a year ago, we are able to reverse our offer at that time. The number of seeds in a packet will be increased from 35 to 100 and the price reduced from 50 cts. to 35 cts. per packet, or 3 pkts. for \$1.

GEORGE W. SUTHERLAND, Genesee County, Michigan, writes: *Thanks to Livingston quality seeds, my home was adorable last year and the talk of this section of the city. My orders are not heavy but I am a satisfied customer for the fourth time.*

Tomatoes, continued

Livingston's Coreless*Originated by us and introduced in 1908*

In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated. Is immensely productive. A grand, good slicing variety, the seed-cells being surrounded by bright red, heavy, meaty, and delicious flesh. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.50, ppd.

Redhead. An early, deep red variety of good size and shape. It is very meaty and nearly free from cracks. Fruit is very smooth and runs quite uniform in size; very productive. Popular in the West. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Livingston's Dwarf Stone. *Introduced by us in 1902.* The fruits are nearly as large as those of our Standard Stone. Fruit bright red, smooth, ripens evenly, medium early. The plants may be set as close as $1\frac{1}{2}$ to 2 feet apart, if necessary, and still produce an abundant crop. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.50, postpaid.

Cooper's Special. A variety which is being largely used by Florida growers, and is what they term a self-topper. It is a globe-shaped sort, of the same color as Livingston's Globe. The vines are shorter and fruits are set in clusters of four or five every 5 to 6 inches along the stalk. Fruit averages smaller than Livingston's Globe. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

Early Detroit. A very productive, early pink sort, of uniform size. Fruit large and smooth, globe-shaped and of excellent quality. Vines vigorous and productive. Used largely in the South. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

June Pink. A Pink Earliana. Ripens as early as Earliana. A prolific bearer, clusters of six to eight large fruits being borne close to the main stem, a large percentage of the fruit being produced very early. The fruit is of medium size, uniform, smooth, and attractively shaped. Excellent for shipping. Popular in Texas. In color it is a bright, pleasing pink. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.50, postpaid.



Livingston's Ideal Tomato

Livingston's Ideal (A Red Globe)

For the past five years we have been working on this new variety, having in mind the development of certain qualities which go to make up an ideal greenhouse Tomato and also one which would do equally well outside. We are now pleased to offer to our customers, for their approval, Livingston's Ideal, which we feel sure will very quickly become one of the leading standard varieties. It has a strong, healthy plant and shows no signs of blight. The globe-shaped fruit is of medium size, bright scarlet with firm flesh and about same season as Bonny Best. Fruit clusters set closely on stalk, thus increasing the yield under glass. Because of the very uniform size and shape of Ideal, we believe it should serve exceptionally well for green wrapping. Pkt. 35 cts.

Gulf State Market. A medium-sized, early, purple sort, recently introduced. Our trial-ground tests show that it ripens the same time as Livingston's Globe, but averages smaller. It is globe-shaped and quite popular in southern sections for shipping to northern markets. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Tomato, Livingston's Globe*Originated by us and introduced in 1905*

THE GREATEST SHIPPING TOMATO KNOWN

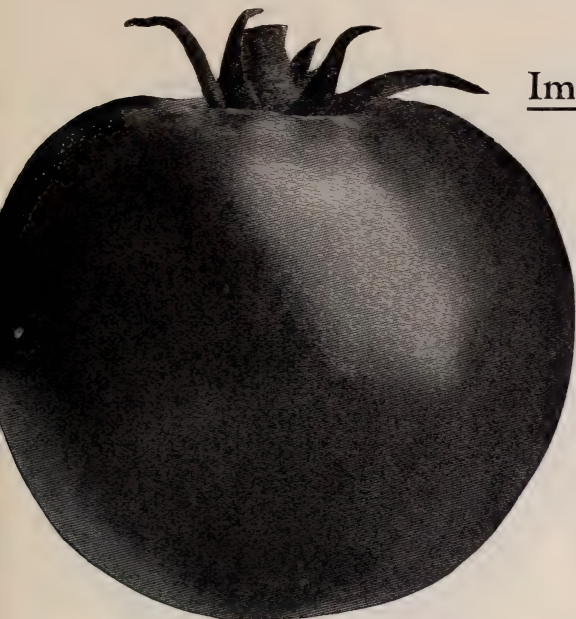
We feel quite safe in saying that no Tomato ever introduced has been so valuable to the southern growers and shippers as the Livingston's Globe. No variety has produced more valuable crops, almost every season, since we introduced it in 1905. Literally, trainloads of crated Livingston's Globe Tomatoes are shipped out of Florida, Texas, Mississippi, and other southern states each season. The shape, the size, and its beautiful color help to make it popular in all markets.

As a greenhouse sort, it is not excelled by any other pink variety, and it is one of the best for the home-garden, comes into bearing early, and keeps on bearing almost until frost. The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant, and of delicious flavor. Fine for early growing on stakes or trellises. Almost blight-proof. Genuine Livingston-grown seed, always put up under our U. S. registered trade-mark seal. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.



Livingston's Globe Tomato

Ask for prices on Tomato Seed in large lots



New Marglobe Tomato. Pkt. 10 cts.

Marglobe (New)

THE WILT AND NAILHEAD RUST-RESISTANT SORT

Marglobe has been thoroughly tested in sections where the above diseases are very destructive and has made a wonderful record. It was produced by crossing the Livingston Globe with one or more other varieties, and after seven years of careful selection was offered in 1926. A vigorous grower whether in greenhouse or field; bright red in color, quite early, of large size, almost round, and very productive. It is being used in greenhouses and sections of the country where "wilt" prevails. It will pay to use the Marglobe, even if you are not bothered with Tomato diseases. We are receiving large orders for it from many Tomato-growing sections. We grew the seed we are offering from selected planting stock supplied by the originator. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$4.75, postpaid.

Livingston's Stone

Introduced by us in 1889

THE GREATEST OF ALL CANNING TOMATOES

Livingston's Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed-cells are small and few. Livingston's Stone is recognized as one of the greatest canning Tomatoes. Order direct from us and get the real thing. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Norton. Wilt-resistant Stone. Popular on account of its remarkable wilt-resisting qualities. Similar in growth, color, and season to our Livingston's Stone. A valuable sort for the South, or where the wilt is prevalent. Try Norton along with Marglobe. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

Canners should ask for special prices

S. D. BICKFORD, Los Angeles County, Calif., writes, November 30, 1928: *Hansing's Marvel Tomato proved nearly 100 per cent wilt-resistant.*

Hansing's Improved Wilt-Resistant Marvel

A NEW WILT-RESISTING SORT ESPECIALLY SUITABLE FOR GROWING UNDER GLASS

An early, bright red sort of medium size, just right to pack. In shape it is about the same as Bonny Best, slightly more flat, and in quality first class. The fruits are produced in good-sized clusters, about 6 inches apart, on a vigorous-growing vine, with only an average amount of foliage. Even without the wilt-resistant quality we give it a high place.

This Tomato originated with Mr. Hansing, a prominent Indiana gardener. He was a number of years perfecting it and says, "It is far ahead of all other wilt-resistant sorts. The Pennsylvania State Experiment Station states it is '100 per cent wilt-resistant.'"

After watching the development of this variety for several years, we pronounce it one of the finest strains of wilt-resistant red Tomatoes. It is sure to come into favor with the most critical under-glass growers for early market. We do not hesitate to recommend liberal plantings, especially where a red Tomato is preferred and where wilt is prevalent. For this reason it is being used in place of Bonny Best. Pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.30, $\frac{1}{4}$ lb. \$4.50, postpaid.

Greater Baltimore. A midseason red variety, very heavy, due to its extreme firmness and very thick meat. Fruit ripens evenly; free from ridges and cracks. A great canning sort, earlier than Stone. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

NORDUKE. Wilt-resistant. Large, smooth, red fruits. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

MARVEL. Wilt-resistant. Medium-early, smooth, red fruit of good size; plant a heavy cropper and of great vitality. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4, postpaid.

Livingston's Paragon. Introduced by us in 1870. The first perfectly smooth, deep red Tomato offered by us to the American people. We have kept it up to the original high standard, and there are many gardeners who, after so many years, would not have any other kind. A heavy yielder, ripening medium early. The fruits are of large size. Flesh is solid, of superior quality and bright rich red. Pkt. 10c., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.



Livingston's Stone Tomato. Pkt. 10 cts.

Tomato, Livingston's Oxheart

Introduced by us in 1926

We have grown and selected it for the past few years, and it is now very true to the Oxheart shape, except in the largest fruits. Because of its attractively different shape, large size, as well as excellent table qualities, it has quickly come into general favor. There is great rivalry among back-yard and kitchen-gardeners to see which can grow the finest Oxheart in shape and size. Specimens weighing three pounds or more are quite common. One specimen sent in to us in 1928 weighed 5 pounds.

While the Oxheart is not a heavy yielder, being similar to Ponderosa in this respect, the grower for market is going to find the Oxheart a mighty attractive sort. They sell on sight. The picture alongside will give some idea of its shape. The skin is pink, same as Livingston's Globe. It is almost seedless. Flesh frequently shows 2 inches thick, without a seed cavity. The flavor has just that delicious Tomato quality that every lover of this fruit knows so well.

Selected seed, grown on our own farm and saved from typical heart-shaped fruits. Pkt. 20 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50, postpaid.

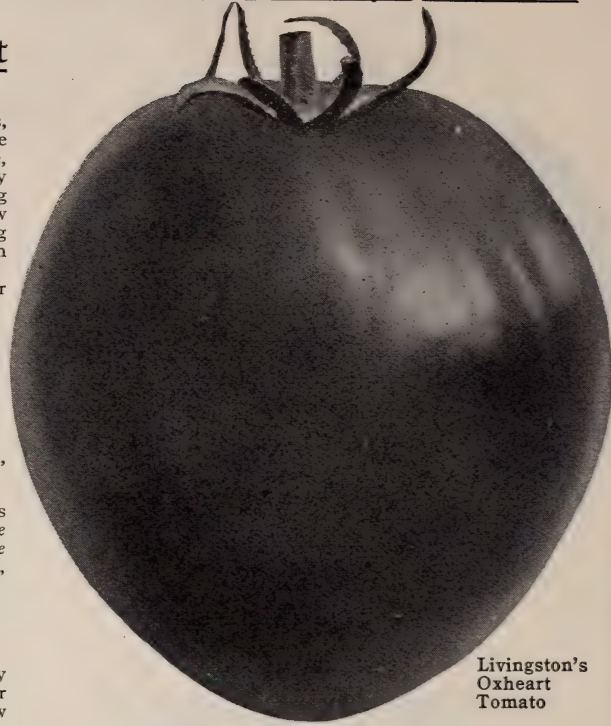
I. F. SITZE, Cape Girardeau County, Missouri, writes March 2, 1929: *I raised Oxheart Tomatoes last year. Some weighed 2 pounds and all were nice large Tomatoes. Everyone who saw them thought they were wonderful and wanted seed, so I think you will have several new customers this spring.*

Livingston's New Yellow Oxheart

We are fortunate in being able to offer this new variety of the Oxheart type, and feel sure all of our customers for the Livingston's Oxheart will want to give this new yellow sort a trial the coming season. It is of the same shape as the original, but the skin and flesh are a rich shade of yellow. Some fruits show a little blush-pink on the blossom end. A beautiful sort and of delicious flavor. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., postpaid.

Livingston's Improved Dwarf Champion.

The medium-sized fruit is produced in clusters of three to five. It is of a beautiful glossy purple, firm, solid, thick flesh, with large meaty center. Adapted to small gardens. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$4.50, postpaid.



Livingston's
Oxheart
Tomato

Livingston's Magnus

Introduced by us in 1900

This distinct variety is large, early, thick, heavy, and solid, and one of the most handsome Tomatoes in cultivation. It is unsurpassed in quality and in the production of fine, large, purple-skinned fruits. The form is quite deep through from stem to blossom-end. A robust grower, and a very heavy cropper. It has the broad potato-leaf foliage which prevents sunburn. For staking up in the open field, it is a fine sort. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

Livingston's Acme. Introduced by us in 1875. The first perfectly smooth, medium-sized purple or pink Tomato introduced. It is a uniform, early, prolific sort, free from cracks, solid, and stands long-distance shipment; quality fine. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50, postpaid.

Livingston's Beauty

Introduced by us in 1886

Although introduced by us so many years ago, this is still one of the popular purple-colored Tomatoes. The plants make a strong growth, are hardy, and bear profusely. The large, perfectly shaped fruits are produced in clusters of four to six, and retain their size until late in the season. It ripens early and has firm flesh of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.75, postpaid.

Livingston's Rosy Morn

Originated and Introduced by us in 1923

An early, bright rosy pink variety, coming into bearing close up to Earliana. It is smooth, and the very solid, fleshy fruits ripen evenly and are surprisingly free from cracks about the stem. It is a very fine slicing sort, being of mild and delicious flavor. A good strong grower of vigorous foliage. A heavy yielder. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$4.75, postpaid.

"True Blue" Seeds produce the highest percentage of successful crops



Livingston's Rosy Morn Tomato. Pkt. 10 cts.

Big Tomatoes

Livingston's Buckeye State

Introduced by us in 1893

The largest Tomato bearing our name. Its extra-large fruits are borne in clusters of three to six, and have a smooth skin of purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. In this variety we have been successful in eliminating the roughness so common to large-fruited sorts, and planters everywhere will appreciate the beautiful large fruits. Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts., 1/4lb. \$1.30, lb. \$4.50, postpaid.

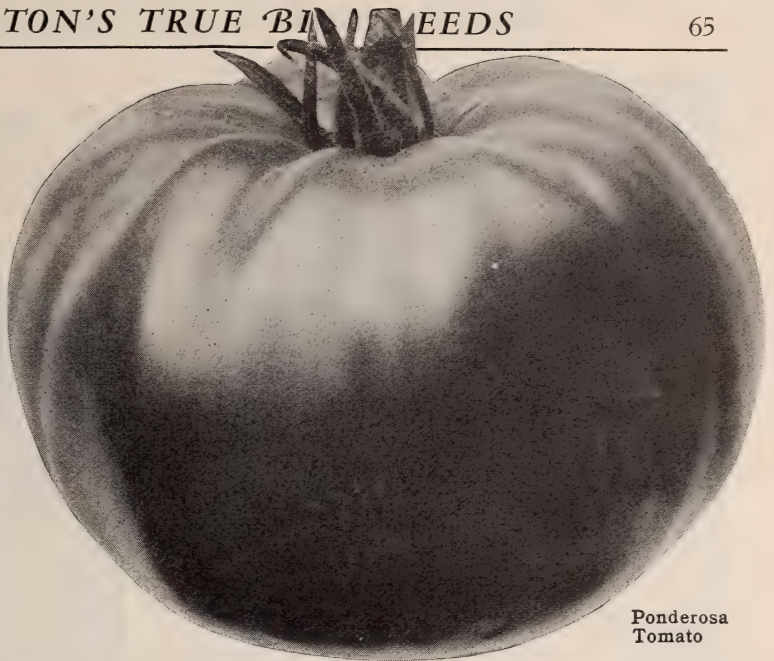
Colossal

This strain of Ponderosa exceeds it in average size and smoothness. A slice of this enormous-fruited sort looks like a piece of beefsteak. The fruit has purple or pink skin and many are quite smooth. It is of delicious flavor and extra fine for slicing. Pkt. 15 cts., 1/4oz. 25 cts., 1/2oz. 45 cts., postpaid.

Crimson Cushion (Beefsteak)

An extremely large, bright red, late variety of the Ponderosa type, that ripens evenly and is of good quality. A good companion to the Colossal. These very large Tomatoes are not all show, as they have real merit, being of delicious flavor. Pkt. 15 cts., 1/2oz. 25 cts., oz. 45 cts., 1/4lb. \$1.50, postpaid.

See page 64 for Livingston's Oxheart. Finest big sort



Ponderosa Tomato

Ponderosa

The fruits ripen quite early, are very solid, almost seedless, of good subacid flavor and of immense size, frequently weighing more than two pounds. A small percentage are rather rough. It is now producing a much smoother fruit than when first introduced. A good Tomato for home use; splendid slicer. Bears well until very late. Pkt. 10 cts., 1/2oz. 25 cts., oz. 45 cts., 1/4lb. \$1.50, lb. \$5.50, postpaid.

Yellow Tomatoes

Golden Ponderosa

Golden Ponderosa equals Ponderosa in size, shape, and quality, but is a golden yellow in color. In other words it is, as the name indicates, a yellow-fleshed Ponderosa. Try a packet of each and note the novel effect of the red and yellow fruits sliced together. Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts., oz. 65 cts., postpaid.

Livingston's Gold Ball

Introduced by us in 1892

Beautiful canary-yellow fruits about 1 1/2 inches in diameter, borne in clusters. Flesh thick, of fine quality, and handsome color. Produces enormous crops. Fine variety for preserves. Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts., 1/4lb. \$1.50, postpaid.

Livingston's Golden Queen

Introduced by us in 1882

Of superior flavor, solid, always smooth, large, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts., 1/4lb. \$1.25, postpaid.

Livingston's Dwarf Yellow Prince

Introduced by us in 1898

A very choice, dwarf-growing, yellow Tomato that is very early and of medium size and beautiful shape. Flesh is solid and the flavor is desirable. Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts., postpaid.

See page 64 for Livingston's Yellow Oxheart

Small Tomatoes

Excellent for Preserves, Pickles, and Pies

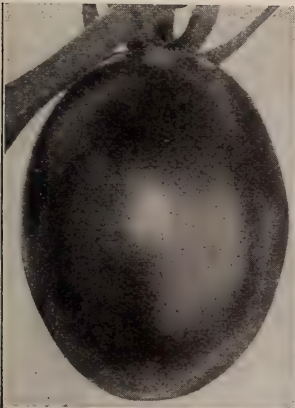
	Pkt.	1/2oz.
Red Currant. Smallest of Pkt. 1/2oz.	\$0 05	\$0 15
all sorts.....	\$0 05	\$0 15
Red Cherry.....	05	15
Yellow Cherry.....	05	15
Red Pear.....	\$0 05	\$0 15
Yellow Pear.....	05	15
Yellow Plum.....	05	15
Mixed Small Sorts.....	10	

Odd Tomatoes

YELLOW PEACH. Resembles some peaches so closely in size, shape, and general appearance that at a short distance away it could be taken for a peach. Color light yellow; very productive. Pkt. 10 cts., 1/4oz. 15 cts., 1/2oz. 25 cts., postpaid.

GOLDEN HUSK or WINTER CHERRY. This delicate husk-enveloped Tomato is unequalled for making preserves and pies. Has a strawberry flavor and is very productive. Fruit a handsome golden color, the size of large cherries. Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts., postpaid.

JOHN E. TAYLOR, Mercer County, Pennsylvania, writes: *Your Oxheart Tomato is sure fine. Never saw anything to equal it.*



Yellow Plum Tomato

Rube Turnip *Nabos*

Early varieties of Turnips should be planted just as soon as the ground is dry in spring. Sow early in rows, and later broadcast. The Rutabaga varieties, and also the late sorts, will do better if planted in rows at least 1½ feet apart, and thin out the plants when well up to 6 inches apart. Cultivate often and thoroughly. The Rutabaga varieties should be planted as soon as possible after the middle of June, as they need a longer season than the Turnips.

One ounce of seed will sow 100 feet of drill; one pound will plant an acre

Extra-Early Purple-Top Milan. Roots are flat and an attractive purple-red on the upper portion. Tops small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early, and their quality is fine. Very smooth and almost transparent skin. Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. \$1.50, postpaid.

Extra-Early White Milan. Same as Purple-Top Milan except in color. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1, postpaid.

White Egg. An early variety with white flesh, firm, fine-grained, mild and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts., postpaid.

Yellow Globe or AMBER. Sweet; large; fine for table or stock. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts., postpaid.

Golden Ball or ORANGE JELLY. Rapid grower; globe shaped; bright yellow. The best of the yellow sorts for table use. Keeps well. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

EARLY SNOWBALL. Medium-sized round Turnip; pure white; very fine flavor; flesh is fine-grained. One of the best table varieties. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts., postpaid.

Purple-Top Strap-Leaf. Comes next to Purple-Top Globe in popularity. An early variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, of medium size, purple or dark red above ground, white below; flesh white, fine-grained, and tender. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid. By express, not prepaid, 5 lbs. \$2.

Early White Flat Dutch. Same as above except in color. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Long White or COW-HORN. Long; grows partly above ground; slightly crooked; white, fine grained, very sweet. Sometimes used for plowing under to improve the soil. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.



Purple-Top White Globe Turnip

Purple-Top White Globe. Most popular of all Turnips for main crop. The roots are large, purple or dark red above ground, white below and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained, and tender. Keeps well, is one of the best for market, and a popular home-garden sort. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid. By express, not prepaid, 5 lbs. \$2.25.

LARGE WHITE GLOBE. Similar to above except in color. Pkt. 5c., oz. 10c., ¼lb. 20c., lb. 70c., postpaid.

Seven Top. Cultivated extensively for the tops, which are used as greens. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

Rutabaga (Swedish or Russian Turnip)

Rutabagas are more especially adapted to northern sections. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock; roots very large, somewhat top-shaped; color white with a shade of green at the top. Flesh white, firm and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

Improved American Purple-Top. One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. A valuable table variety, and is also used for stock feeding. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts., postpaid.

ASK FOR PRICES ON LARGE LOTS OF TURNIP SEED



Rutabaga

Livingston's Lawn Grass Seeds

SOWN IN SPRING OR FALL

Thoroughly practical leaflet, "How to Make a Better Lawn," sent on request

Livingston's Capitol Lawn Seed. It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. It germinates quickly and roots deeply. This enables it to withstand the intense heat of summer and the hard cold of winter, showing a beautiful rich green. It contains no annual grasses for making a quick show, to the detriment of a permanent lawn, but has only those which are lasting and hardy. When a lawn is once established from our seed, it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. Owing to the high-grade seeds used in our mixtures, one pound is sufficient to sow 300 square feet of new lawn. Lb. 65 cts., 3 lbs. \$1.80, ppd. By express or freight, not paid, 5 lbs. \$2.10, 10 lbs. \$4.10, 25 lbs. \$10, 100 lbs. \$38.

Shady Place Mixture. On nearly all lawns there are shaded, bare, and unsightly spots on which the owners have difficulty in getting a stand of grass. For such places this mixture is adapted. It is composed of grasses which naturally grow in shaded places. They are the finest and most costly of all grasses. If the soil is covered with moss or seems "sour" and out of condition, rake off the surface and apply hydrated lime at the rate of 100 pounds to 1,000 square feet; this will sweeten the soil. Lb. 90 cts., postpaid. By express or freight, not prepaid, 5 lbs. \$2.85, 10 lbs. \$5.60, 25 lbs. \$13.75.

Quick Grower Lawn Seed. We prepare a special mixture that will give quicker results than our Capitol Lawn Seed, yet it makes a good lawn. We recommend this mixture where quick results are desired. Where this mixture is used our Capitol Lawn Seed should be used the next year for renovating. Lb. 60 cts., 3 lbs. \$1.65, postpaid. By express or freight, not paid, 5 lbs. \$1.35, 10 lbs. \$2.60, 25 lbs. \$6.25, 100 lbs. \$23.

Rough-Stalk Meadow. One of the best grasses for shady places. Should be used in all shady place mixtures. Lb. 75 cts., postpaid. By express or freight, not paid, 3 lbs. \$1.75, 5 lbs. \$2.75, 10 lbs. \$5, 25 lbs. \$12, 100 lbs. \$45.

Chewing's Fescue. A valuable grass, used in most good mixtures. Lb. 70 cts., postpaid. By express or freight, not paid, 3 lbs. \$1.55, 5 lbs. \$2.40, 10 lbs. \$4.50, 25 lbs. \$10.75, 100 lbs. \$40.

White Clover. Excellent for lawns when mixed with other grasses. Does not stand dry, hot weather well, but tends to keep crab grass in check. Lb. \$1, postpaid. By express or freight, not paid, 3 lbs. \$2.70, 5 lbs. \$4.50, 10 lbs. \$8.50.

SPECIAL QUOTATIONS.—We are always pleased to quote special prices to parks, institutions, golf clubs, and others who require Lawn Grass Seed in large quantities. Prices subject to market change



Kentucky Blue Grass. Used more for lawns than any other grass. It is slow to start, however, and should be mixed with other quick-growing dwarf grasses. Does best on limestone soils, well enriched. Dark green in color; forms a close, thick turf and is very hardy. Heavy, fine, clean seed. Lb. 70 cts., postpaid. By express or freight, not paid, 3 lbs. \$1.55, 5 lbs. \$2.25, 10 lbs. \$4, 25 lbs. \$8.75, 100 lbs. \$33.

Redtop. One of the Bent grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought-resistant. Lb. 50 cts., postpaid. By express or freight, not paid, 3 lbs. \$1.05, 5 lbs. \$1.60, 10 lbs. \$3, 25 lbs. \$7, 100 lbs. \$25.

Creeping Bent. Used alone on golf putting-greens, and with other grasses in the higher grade lawn mixtures. High-grade seed very scarce. Lb. \$1.25, postpaid. By express or freight, not paid, 3 lbs. \$3.50, 5 lbs. \$4.50, 10 lbs. \$8.

Pacey's Rye Grass. Similar to Perennial Rye Grass but preferable for lawns. Makes a quick growth but does not make a permanent lawn. Should be used in mixture with hardy grasses. Valuable where quick results are desired. Lb. 50 cts., postpaid. By express or freight, not paid, 3 lbs. \$1, 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5.75, 100 lbs. \$20.

SOILTEX

Soiltex is a new, quick, easy and accurate soil-testing method by which you can determine whether your soil is acid and how much lime is needed. Each outfit will make 75 to 100 tests. Outfit, with color-chart and lime-table, postpaid \$1.

FERTILIZERS for lawns, see page 69.



Germaco
Hotkaps

Higher Prices for Your Crop

This Amazing New Method of Plant Protection Gets You Higher Prices for Larger and Quicker Crops

A remarkable invention consisting of a scientifically constructed wax paper cone that you place over each plant. They form miniature hothouses that protect plants from frost, wind, rain, insects, and ground crusting.

You can add to your next year's profit with HOTKAPS. They cost but a fraction over a penny each. One man can "set" 2,000 HOTKAPS per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

TESTIMONIALS LIKE THESE COME FROM FORTY-EIGHT STATES IN THE UNION

We have used your Hotkaps for the last two seasons and have found them very satisfactory, especially in advancing the season of some of the more tender crops.

They have also been quite satisfactory in helping to control to some extent, certain insects such as striped cucumber beetle.—DEPARTMENT OF EDUCATION, Massachusetts Agricultural College, Amherst, Mass.

Last year we used 500 of your Hotkaps and 2,000 this year. We used these on cantaloupe melons. Our experience has been that the melons come on much quicker and they are advanced at least ten days by the use of Hotkaps.—J. K. GEORGE, 50 Church St., New York, N. Y.

I wish to know the closest dealer in Hotkaps. Boon is near Cadillac. I used Hotkaps on my tomatoes last year, and as it was a very cold spring, I was the only one here to secure ripe tomatoes.—S. V. DENIKE, Boon, Mich.

I purchased a number of Hotkaps from you last season. I found them excellent for protecting early plants from late frost. I also used them to protect watermelon plants while small, from bugs. I am well pleased with results obtained from their use.—ANNA TOMBARGE, Lancaster, Ohio.

PAMPHLET ILLUSTRATING AND GIVING FULL DIRECTIONS SENT WITH EACH ORDER



Showing field set with Hotkaps

HOTKAPS not only protect plants, but make them grow *bardier* and *faster*. Thus you get a greater crop production to market earlier for higher prices!

Prices: 1,000 lots, \$11.50; 5,000 lots at \$11 per 1,000; 10,000 lots at \$10.75. Trial package of 250, including special-type Garden Setter, \$4. Standard Germaco HOT-KAP Setter, \$2.50.

If you need HOTKAPS for your back-yard garden, note these prices: 50, with Garden Setter, \$1.50; 100, with Garden Setter, \$2.25; Garden Setter alone, 50 cts.

For the past three years we have been buying Hotkaps in increasing quantities. They must be serving a purpose satisfactorily as the demand is greater each year as they become better known.—R. E. PATTERSON, Denver, Colo.

By having a great deal of rain we did not get our melons planted early but early enough for our late frost. We used Hotkaps and are well pleased in the results, so we are planning on using them next year. I believe they are the dope we are looking for.—NOLIN MOSELY, New Edinburg, Ark.

NOD-O-GEN INOCULATOR



It always pays to inoculate all legumes with their proper bacteria. The easiest and cheapest way of improving the sale and increasing crops.

Each bottle of NOD-O-GEN will inoculate the kinds of seed listed. Be sure to get the right kind for your seed. Order by number.

VARIETIES

No.	Prices, ppd.
1. 1-bus. size for Alfalfa and Sweet Clover.....	\$0 75
2. ½-bus. size for Alfalfa and Sweet Clover.....	50
3. 1-bus. size for Medium (Red), Mammoth, Alsike, White Dutch, and Crimson Clovers.	75
4. ½-bus. size for Medium (Red), Mammoth, Alsike, White Dutch, and Crimson Clovers..	50
5. 1-bus. size for Soy Beans.....	50
6. 5-bus. size for Soy Beans.....	2 00
7. 1-bus. size for Cowpeas.....	50
8. 5-bus. size for Cowpeas.....	2 00
9. 1-bus. size for all Vetches (Spring, Winter, etc.), Field and Garden Peas, Sweet Peas, and Flat Winter Peas.....	50
10. 5-bus. size for all Vetches (Spring, Winter, etc.), Field and Garden Peas, Sweet Peas, and Flat Winter Peas.....	2 00
11. 1-bus. size for Field Beans and Garden Beans.	50
12. 5-bus. size for Field Beans and Garden Beans.	2 00
13. Garden size, Combination for Peas and Sweet Peas, Garden Beans and Limas.....	25

THE PREMIER SEED DISINFECTANTS

Control Diseases, Increase Yields, Improve Quality.



CERESAN. A dust disinfectant for wheat, oats, barley and other cereals.
 8-oz. tin.....\$0 50 | 25-lb. pail..\$12 50
 1-lb. tin..... 75 | 100-lb. drum. 49 00
 5-lb. tin..... 3 00 | 300-lb. drum.144 00

BROWN-GREEN. A grass disinfectant for brown-patch prevention and control in golf grounds.
 3-oz. tin.....\$0 50 | 25-lb. pail..\$37 50
 1-lb. tin..... 2 00 | 100-lb. drum.145 00
 5-lb. tin..... 9 00 | 300-lb. drum.420 00

SEMESAN. This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed-pieces, plants, grafts, and soils. Semesan is harmless to seed and plant-life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.
 2 ozs.....\$0 50 | 5 lbs.....\$13 00
 8 ozs..... 1 60 | 25 lbs..... 56 25
 1 lb..... 2 75 | 100 lbs..... 220 00

SEMESAN JR. A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots. Under Government-conducted field tests, Semesan Jr. successfully prevented or controlled these diseases and at the same time increased the yields obtained from diseased seeds by 10 to over 40 per cent.
 4 ozs.....\$0 50 | 5 lbs..... \$8 00
 1 lb..... 1 75 | 25 lbs..... 31 25

SEMESAN BEL. Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. In widely separated potato-growing sections it has caused quicker sprouting, earlier maturity and greater yields.
 4 ozs.....\$0 50 | 5 lbs.....\$8 00
 1 lb..... 1 75 | 25 lbs.....31 25

Free Descriptive Booklets Sent Upon Request

Semesan Disinfectants Make Good Seeds Grow Better

Du Bay and Semesan seed disinfectants are poisonous and under present postal regulations cannot be mailed, but must be sent by express or freight.

Insecticides and Fungicides

We can supply special printed matter on many items listed on this page, if desired

All prices are f. o. b. Columbus and are subject to change. Items marked (*) are poisonous and cannot be mailed

ANTROL

For the killing of ants about the house or garden. Antrol sets consist of 4 containers and a 4-oz. bottle of syrup, 95 cts. Extra containers 15 cts. each. Extra syrup, 4-oz. bottles 45 cts., pt. 95 cts., gal. \$3.75, not prepaid.

*ARSENATE LEAD (DRY)

Most extensively used stomach poison to kill bugs on fruits and vegetables. Lb. 35 cts., 4 lbs. \$1, 12 lbs. \$2.50, 24 lbs. \$4.75, 48 lbs. \$8.65, 96 lbs. \$17.25, not mailable.

*ARSENATE CALCIUM (DRY)

Cheapest and best stomach poison for bugs on potatoes, cotton, and tobacco. Also extensively used with lime for melon, cucumber, and bean beetles. Lb. 25 cts., 4 lbs. 75 cts., 12 lbs. \$1.75, 24 lbs. \$3, 48 lbs. \$5.75, 96 lbs. \$11.50, not mailable.

*BLACK-LEAF 40 (40 per cent Nicotine Sulphate)

Highly recommended as a spray for aphid and sucking insects. One ounce makes 6 gallons of spray on outdoor vegetation. Oz. 35 cts., 1/2 lb. \$1.25, 2 lbs. \$3.25, 10 lbs. \$11.85, not mailable.

*BORDEAUX MIXTURE (DRY)

Fast replacing the old liquid solution among fruit-growers. Mixes quickly and with minimum sediment. Used as dormant spray or with Lead Arsenate as summer spray. Lb. 35 cts., 4 lbs. \$1, 12 lbs. \$2.50, 24 lbs. \$4.50, 48 lbs. \$8.50, 96 lbs. \$17, not mailable.

*CERESAN

Effectively controls smut diseases of wheat, barley, and oats. Used on seed grain before sowing; requires only 2 to 3 ounces to the bushel. 8 ozs. 50 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50, not mailable.

*CYANOGAS "G"

For greenhouse fumigation for aphid, white fly, thrip, etc. G grade, 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$30, not mailable.

EVER GREEN

A non-poisonous insecticide absolutely safe to use and yet kills a great number of chewing and sucking insects without injury to the plants. Mailable. Oz. 35 cts., 6 ozs. \$1, pt. \$2, qt. \$3.50, gal. \$13.

FISH OR WHALE-OIL SOAP

Lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2, not prepaid.

GYPSUM OR LAND PLASTER

Twenty parts of Gypsum mixed with one part Arsenate Calcium gives excellent results in protecting melon and cucumber plants from the striped beetle. 10 lbs. 20 cts., 20 lbs. 35 cts., 80 lbs. 90 cts., 400 lbs. \$4.25, 800 lbs. \$8, 1,600 lbs. \$15, ton \$18, not prepaid.

KAYSO

The combined casein spreader and adhesive. 10 ozs. 25 cts., 2 lbs. 50 cts., 10 lbs. \$2.10, 50 lbs. \$9.50, not prepaid.

LIME-SULPHUR (DRY)

For blights, rots, mildew, rust, etc. For most purposes use 1 pound in 7 to 8 gallons of water. Lb. 35 cts., 5 lbs. \$1.40, 10 lbs. \$2.25, 25 lbs. \$4.50, 50 lbs. \$7.75, 100 lbs. \$12, not prepaid.

*NICO-FUME LIQUID (40 per cent free Nicotine)

The best spray for greenhouses. The fumes help to kill insects. 1/4-lb. tin 75 cts., lb. \$2, 4 lbs. \$6.25, 8 lbs. \$11.50, not mailable.

NICO-FUME TOBACCO PAPER

Eight to ten sheets for the ordinary greenhouse will usually furnish a strong fumigation. 24-sheet cans \$1.25, 144 sheets \$5, 288 sheets \$8.75, all postpaid.

*NICO-FUME TOBACCO POWDER

A simple and effective preparation for fumigating greenhouses for plant-lice and thrips. A real smudge or punk. 5 lbs. \$3.75, 10 lbs. \$6.85, not mailable.

*PARACIDE

For killing the peach-tree borer. Full directions on each package. Lb. 55 cts., 5 lbs. \$2.25, not mailable.

*PARIS GREEN

1/4 lb. 20 cts., 1/2 lb. 35 cts., lb. 50 cts., not mailable.

*PYROX, BOWKER'S

The one best spray for fruits, vegetables, and flowers. Kills bugs, prevents blights, rots, and stimulates foliage all in one. One pound makes 5 to 6 gallons of spray. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3, 25 lbs. \$6.25, 50 lbs. \$10.75, 100 lbs. \$15.50, 300 lbs. \$43.50, not mailable.

*SEMESAN

Semesan can be applied in either the dry or liquid form to prevent or control effectively a most diversified variety of diseases borne by seeds, seed-pieces, plants, and soils. 2 ozs. 50 cts., lb. \$2.75, 5 lbs. \$13, 25 lbs. \$56.25, 100 lbs. \$220, not mailable.

*SEMESAN BEL

An excellent dust or water-mixture disinfectant for controlling diseases and increasing yields of seed potatoes and other tubers. 4 ozs. 50 cts., lb. \$1.75, 5 lbs. \$8, 25 lbs. \$31.25, not mailable.

*SEMESAN JR.

Semesan Jr. provides an unusually effective but inexpensive dust treatment for the prevention and control of field and sweet corn seed diseases. 4 ozs. 50 cts., lb. \$1.75, 5 lbs. \$8, 25 lbs. \$31.25, not mailable.

SLUG-SHOT, HAMMOND'S

For potato bugs, cabbage worms, and all insects that chew. Apply as bought. Lb. 15 cts., 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2.10, 100 lbs. \$7.75, not prepaid.

SNAROL

Kills cutworms, grasshoppers, snails, slugs, and sowbugs. It is a prepared meal that is broadcast on the ground under the plants. The pests eat it and are killed. Lb. 45 cts., 3 lbs. \$1, 15-lb. bag \$3.50, 50-lb. bag \$10, not prepaid.

TOBACCO DUST

10 lbs. 65 cts., 50 lbs. \$3, 100 lbs. \$5.75, not prepaid.

TOBACCO STEMS

50 lbs. 90 cts., 100 lbs. \$1.65, full bales (about 160 lbs.) \$1 per 100 lbs., not prepaid.

VOLCK

Conceded to be the most effective spray for red spider control known; also for white fly, aphid, thrips, mealy bugs, mildew and rusts. Can be mixed with other insecticides excepting Lime-Sulphur. One gallon makes from 32 to 100 gallons of spray solution. 1/2 pt. 50 cts., pt. 75 cts., qt. \$1, gal. \$3, not prepaid.

Fertilizers, Plant-foods, Etc.

All prices f. o. b. Columbus and subject to market changes

ADCO

A powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. The process is perfectly simple. 25-lb. bag \$2, 100-lb. bag \$7.75.

ACID PHOSPHATE, 16 PER CENT

5 lbs. 30 cts., 10 lbs. 45 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2, 125 lbs. \$2.25, 500 lbs. \$8, 1,000 lbs. \$14.50, ton \$28.

BONE MEAL

5 lbs. 50 cts., 10 lbs. 75 cts., 25 lbs. \$1.25, 50 lbs. \$2, 125 lbs. \$4, 500 lbs. \$14.50, 1,000 lbs. \$27, ton \$52.

NITRATE OF SODA

5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.45, 50 lbs. \$2.75, 100 lbs. \$5, 500 lbs. \$23, 1,000 lbs. \$42, ton \$80.

FLORANID (UREA)

A highly concentrated nitrogen fertilizer. Contains 46 per cent available nitrogen. Can be used on all kinds of crops. Readily available, possesses good physical qualities, and when used by the plant, leaves no undesirable acidic or basic residue in the soil. Ask for booklet. Lb. 75 cts., postpaid; 50 lbs., not prepaid, \$9.

SHEEP MANURE, WIZARD BRAND PULVERIZED

5 lbs. 35 cts., 10 lbs. 50 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11, 1,000 lbs. \$20.50, ton \$40.

SMITH'S SACCO PLANT FOOD 4-12-4

Fine for house-planting, lawns, gardens, etc. Lb. 25 cts., 5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5.

SULPHATE OF AMMONIA

5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.45, 50 lbs. \$2.75, 100 lbs. \$5, 500 lbs. \$23, 1,000 lbs. \$42, ton \$80.

Lawn, Orchard, and Garden Tools

Prices subject to change

Excelsior Weeder

Very useful for weeding seed-beds, stirring soil in hotbeds, cold-frames, etc. 25 cts., postpaid.

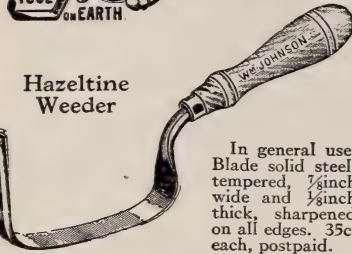


IDEAL HAND WEEDER

HANDIEST TOOL ON EARTH

Ideal Weeder

25 cts. each, \$2 per doz., postpaid.



Hazeltine Weeder

In general use. Blade solid steel, tempered, 1/2 inch wide and 1/2 inch thick, sharpened on all edges. 35c. each, postpaid.

Steel Hand-Weeder No. 240

Blades are made from high-grade "clock spring" steel, ground and tempered. One edge is serrated and sharpened and blade is riveted to steel handle. A very popular tool with florists, market gardeners, onion-growers, etc. 25 cts. each, 1/2 doz. \$1.25, doz. \$2.25, postpaid.

Painted Pot Labels

Sizes	Not Prepaid	1,000	Weight
4 x 5/8	\$1 70	4 lbs.
4 1/2 x 5/8	1 90	5 lbs.
5 x 5/8	2 10	5 lbs.
6 x 5/8	2 50	6 lbs.
10 x 5/8	5 80	11 lbs.
12 x 5/8	7 00	15 lbs.
8 x 7/8	6 50	14 lbs.
10 x 7/8	8 00	18 lbs.
12 x 1 1/8	per 100,	\$1.25	3 lbs.



Pruning Saw, Double Edge

One coarse and one fine. \$1.25, postpaid.



Improved Auto Spray No. 1

One of the most reliable compressed air Sprayers on the market. Two pumpings will empty the tank. The Auto-Pop Non-Clog Nozzle gives a large volume of fine spray by simply closing the hand on the lever—releasing the hand stops it immediately.

Holds 3 gallons; has a powerful all-brass air-pump with patented clamp top. Comes complete as illustrated, with shoulder strap, hose, and Auto-Pop Nozzle.

No. 1B. Brass Tank, \$9.50; No. 1D. Galvanized Tank, \$6.50. **Not prepaid.** Shipping weight, 11 lbs.

Bink's Sprayer No. 21

A strong, compact, well-built, portable Sprayer for use in the garden, lawn, orchard, and greenhouse. Very satisfactory for both spraying and whitewashing.

Large steel wheels. Working parts bronze and brass—holds 12 gallons. Complete with 10 feet high-

pressure hose, spray pipe, stop cock, mechanical agitator and nozzle. Having sold this Sprayer for many years, we can recommend it as the best of its type. \$22, **not prepaid.** Shipping weight, 50 lbs.



Asparagus Knife

No tool equals it for removing dandelions, plantain, dock, etc., from lawns. Drop forged cutlery steel. 40 cts., postpaid.



THE CYCLONE SEED SOWER

THE SOWER THAT SCATTERS EVENLY

Best and cheapest crank Seeder made considering the quality of work done and durability. Will not get out of order nor be affected by damp weather. Distributes all kinds of fertilizer, land plaster, ashes, and seeds. Weight, 6 pounds. \$2, **not prepaid.**

Hotbed Sash

3 1/2 x 6 ft., unglazed for four rows 8 x 10 glass. 1 1/2 inches thick. Best Cypress, \$2.40 each; 10 at \$2.30 each; 25 at \$2.25 ea.; 100 at \$2.20 each, **not prepaid.**



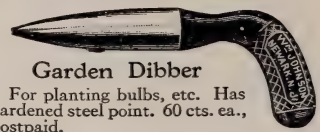
Wiss guaranteed, 9-inch, \$3.50; 10-inch, \$4, postpaid. Extra blades \$1 each, ppd.

Raffia

We handle only the best grade of Raffia. Inferior stock is very annoying and much more expensive in the end. Lb. 40 cts.; 10 lbs. at 35 cts. per lb.; 25 lbs. at 30 cts. per lb.; 100 lbs. at 28 cts. per lb., **not ppd.**

Planet Jr. Tools

If interested in this excellent line of garden tools, write for special catalogue. It's free.



Garden Dibber

For planting bulbs, etc. Has hardened steel point. 60 cts. ea., postpaid.



"Out of Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hotbeds under sash. Full directions are sent with each Trap. \$1.50, postpaid.

Little Giant Self-Setting Mole Trap

Simple, sure, and safe. The spears are made of spring steel; remainder of trap is of steel and heavily tinned, making it very attractive and durable. Directions for setting come with the Trap. \$1.25, ppd.



Hedge Shears

Best steel and just the thing for trimming privet hedge. 6-in. \$1.25 (weight, 4 lbs.), 9-in. \$2 (weight, 5 lbs.), **not prepaid.**

Garden Trowels

Ordinary. 5-in. 15 cts.; 6-in. 20 cts., ppd. Pressed Steel. 6-in. 45 cts., postpaid. Forged Steel. 5-in. 60 cts.; 7-in. 75 cts., postpaid. Be sure to state size wanted.

Copper Wired Tree Labels

Size, 3 1/2 x 5/8 inch, 50 cts. per 100, \$1.50 for 500, \$2.45 per 1,000, **not prepaid.** Weight, 5 lbs. per 1,000.



MODEL D

Feeny Dust Gun

One of the best dusters we have ever sold. Easy and clean to use. The dust cloud starts the instant you push the handle forward, and it may be regulated from a mere "haze" to a cloud of large size and force by the stroke you give it. This Gun is ideal for applying all powder insecticides and fungicides.

Model D (illustrated). Holds 2 quarts powder, \$3.50 each, **not prepaid.** Shipping weight, 4 lbs.

Model B. Holds about a pint. \$1.25, postpaid.

Planet Jr. Star Pulverizer

This tool, as its name implies, can be used both for pulverizing the seed-bed in preparation for planting and also for keeping down weeds after crops are up.

It is a wonderful tool for the small garden, for flower-beds, hardy borders, and cultivating around trees or shrubbery—wherever one cannot conveniently use a wheel hoe. And it is faster and more thorough than an ordinary hand hoe. Ideal for garden cultivation after rain when the wheel hoe leaves the ground lumpy and fails to get all weeds.

The revolving star-shaped discs have a large cutting surface; and these, in conjunction with the scuffle hoe blade, cut and pulverize the soil below the surface, as no amount of raking could possibly do. Shipping weight, 6 lbs. **Cannot be mailed.** \$2.90 each, **not prepaid.**



Livingston's "True Blue" Gladiolus Collection

A COLLECTION of exceptional merit in character of bloom and fascination of coloring. The varieties are of the finest and the grade of bulbs supplied, the best. At these low prices plant liberally and secure a gorgeous display of this popular flower.

1. **MRS. FRANK PENDLETON.** A winner of prizes and awards of merit everywhere. Clear rose-pink, shading to a paler pink throat, and noted for the velvety blood-red blotch on its lower petals. Large flowers well placed on strong, straight spikes. 65 cts. per doz.
2. **SCARLET PRINCEPS** (Virginia). This splendid, large, scarlet variety frequently has six or more of its magnificent blooms out at one time. It is a vigorous grower and a great show variety. You are sure to like this one. \$1 per doz.
3. **ORANGE QUEEN.** A strikingly beautiful orange-yellow bloom, tinted with apricot—a new shade, none other being quite like it. It is one of the finest in the Primulinus type. One of the first to attract attention. \$1 per doz.
4. **PEACE.** A beautiful stately white with a conspicuous lilac spear in throat. Very tall, with large flowers well placed on a long spike. An excellent money-maker for the commercial grower. 65 cts. per doz.
5. **E. J. SHAYLOR.** Deep rose-pink to rose color, with throat of lower petals delicately penciled rose-red. A ruffled variety and a very popular cut-flower. Undoubtedly one of the best Gladiolus ever produced. 75 cts. per doz.
6. **GOLDEN MEASURE.** Fine deep yellow with large, wide-open flowers. Tall and vigorous grower. Without question the best of all the moderate-priced yellows on the market today, and one of the most popular. 90 cts. per doz.
7. **BARON JOSEPH HULOT.** Rich deep indigo-blue—the most intense and the best of its color yet introduced. The flowers are well arranged on a straight stem, are of good substance, and keep well. \$1 per doz.
8. **ROSE 1910.** A great big, fine bloom in an extra-fine shade of pure rose-pink. The lower petals have a narrow white stripe in the center. One of the best cut-flower varieties, and extremely popular for this purpose. 65 cts. per doz.

A Beautiful Gladiolus Bed Now at a Wonderful Saving

3 bulbs each of 8 varieties	(24 bulbs)	\$1.50
6 bulbs each of 8 varieties	(48 bulbs)	2.75
12 bulbs each of 8 varieties	(96 bulbs)	5.25
25 bulbs each of 8 varieties	(200 bulbs)	10.00

ODIN. Has an exquisite deep salmon-rose bloom, suffused with orange, and blotches on lower petals of a darker shade, almost red. They are of giant size and come into bloom very early. \$1 per doz.

PURPLE GLORY. This variety has large, beautifully ruffled blooms, of rich velvety maroon with dark, almost black blotches. Very odd and desirable. A large, strong-growing variety. \$1.25 per doz.

We prepay postage or expressage to any part of the United States when cash accompanies order.

While we encourage early ordering, lest the stocks become exhausted, we can fill no orders before February 1, 1930.



Odin



Purple Glory

QUANTITY

NAMES OF VARIETIES WANTED
Place One Variety Only to a Line

Please do not
write in this
column

PRICES

Dollars

Cents

TOTAL

THE LIVINGSTON SEED CO., COLUMBUS, OHIO

PLEASE WRITE YOUR NAME AND ADDRESS PLAINLY AND IN FULL IN THE BLANKS BELOW.
EXTRA ORDER SHEETS AND RETURN ENVELOPES WILL BE SENT YOU ON APPLICATION.

Date _____ 1930. Ship by Mail
Express
Traction
Freight

Name _____

Post Office _____

R. F. D. No. _____, Box _____, State _____

Street No. _____

Ship to (Station) _____

By (Express or R. R. Co.) _____

IF YOU HAVE MOVED DURING THE YEAR, PLEASE GIVE US YOUR OLD ADDRESS

THE AMOUNT ENCLOSED

Money Order \$ _____

Check - - - - - _____

Bank Draft - - - - - _____

Stamps - - - - - _____

Cash - - - - - _____

PLEASE ANSWER

Are you a Commercial Florist? . . . _____

Are you a Market Gardener? . . . _____

Date received _____

Gathered by _____

Checked by _____

Wrapped by _____

Date sent _____ P _____

M. G. _____ D. _____

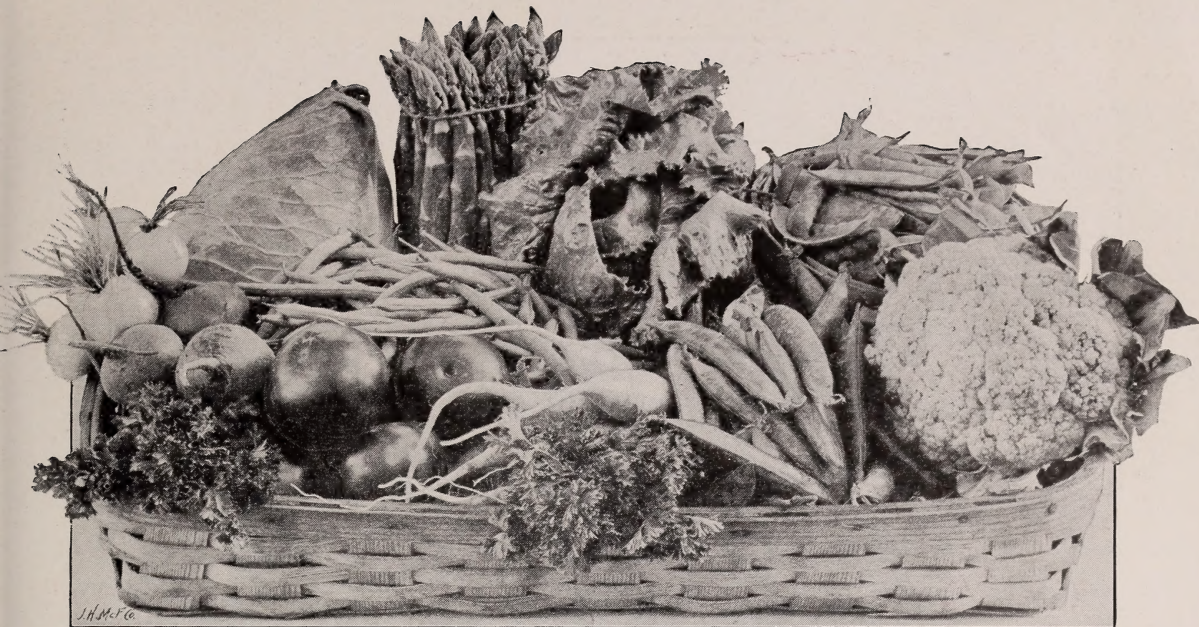
F. S. _____ R. _____

THE LIVINGSTON SEED COMPANY give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

QUANTITY

NAMES OF VARIETIES WANTED
Place One Variety Only to a Line

PRICES
Please do not write in this column
Dollars Cents



\$1.⁰⁰ { **Our Great Dollar Collection of** } **\$1.⁰⁰**
 Postpaid { **"True Blue" Vegetable Seeds** } Postpaid

EVERY sort included represents the best of its class. The demand for this Collection started years ago when we would get orders from people for a dollar's worth of vegetable seeds—"the best we could do." Many are not familiar with the merits of the different sorts offered in this catalogue, and for those we get up this Collection the best we know how.

From year to year we change it. Obsolete sorts are dropped, new varieties of better character added, and we firmly believe that a better Collection than ours cannot be bought at so low a price anywhere in this country.

For many years this Collection has been considered the biggest dollar's worth of really good seeds offered.

The reason we sell this Collection at such a low price is because we can put up hundreds of them before the spring rush starts, so that, when the order comes, all that needs to be done is to wrap the box, affix stamps, and out it goes—always the same day we get the order. No changes can be allowed. This popular-priced Collection also gives new customers an opportunity to try a large assortment of "True Blue" seeds at a moderate cost. We consider each Collection sold a good investment, which, in time, will bring us increased business.

Here Is What One Dollar Will Buy

Beans, Stringless Green-Pod. Dwarf.
Beans, Kidney Wax. Yellow pod; dwarf.
Beet, Detroit Dark Red. Early; round.
Beet, Swiss Chard. Used for greens.
Cabbage, Early Jersey Wakefield. Fine flavor.
Cabbage, Danish Ballhead Short-Stem. Long keeper.
Carrot, Danvers. Fine quality.
Cucumber, Davis Perfect. For pickles.
Cucumber, Extra-Early White Spine. Fine for slicing.
Corn, Livingston's Early Sugar. Early and sweet.
Corn, Stowell's Evergreen. Large; good quality; white.
Kale, Siberian. Fine for greens.
Lettuce, Big Boston. Good heading sort.

Lettuce, Curled Simpson. Early leafy sort.
Muskmelon, Livingston's Tip-Top. Large; sweet.
Onion, Yellow Globe. Large; good keeper.
Parsnip, Hollow Crown. Sweet as sugar.
Parsley, Double Curled. Very fine.
Pepper, Mammoth Ruby King. Mild; fleshy.
Radish, Scarlet Globe. Round; red.
Radish, Cincinnati Market. Long; red.
Salsify, Mammoth Sandwich Island. Fine.
Spinach, Improved Thick-leaved. Early; tender.
Tomato, Livingston's Globe. Best slicer.
Turnip, Purple-Top White Globe. Fine sort.
Sweet Peas, Livingston's Special Mixture. (Free.)

For Flower Seed Collections see second page of cover

SATISFIED \$1.00 COLLECTION CUSTOMERS IN OTHER YEARS

MRS. VIRGINIA DUDLEY CLUBB, Henry County, Kentucky, writes: *I expect our family is among your oldest customers. My father, Dr. C. F. Dudley, bought from your father. He told someone he knew your father was honest because he was a "Hard Shell" Baptist (my father's church also). He died four years ago, aged 80 years. I remember, as a child, his ordering seed from Columbus. I have always ordered from you, too, and with a few exceptions have been pleased with what I raised.*

JAMES McNAUGHTON, Genesee County, Michigan, writes: *It may please you to know I have been asked to send some of your seeds to Port Shepstone, Natal, South Africa, for trial, and I have also been notified to send nothing but Livingston's seeds as specified, as any others are good for bushes only.*

MRS. HENRY ODENS, Allen County, Indiana, writes: *I have been getting your seeds for 38 years. I always have good success with your seeds and plants.*

The Livingston Seed Co., Columbus, Ohio



LIVINGSTON'S OHIO RED TOMATO
Pkt. 35 cts., 3 pkts. \$1
For full description see page 61

THE LIVINGSTON SEED CO.

Famous for Tomatoes since 1870

32-36 East Spring St., COLUMBUS, OHIO
