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ESTABLISHED 1850

LIVINGSTON'S SEED ANNUAL

CARTER'S
EIGHT WEEKS
PEAS
ONE OF THE FINEST
FOR SMALL GARDENS
PKT. 15c

1922

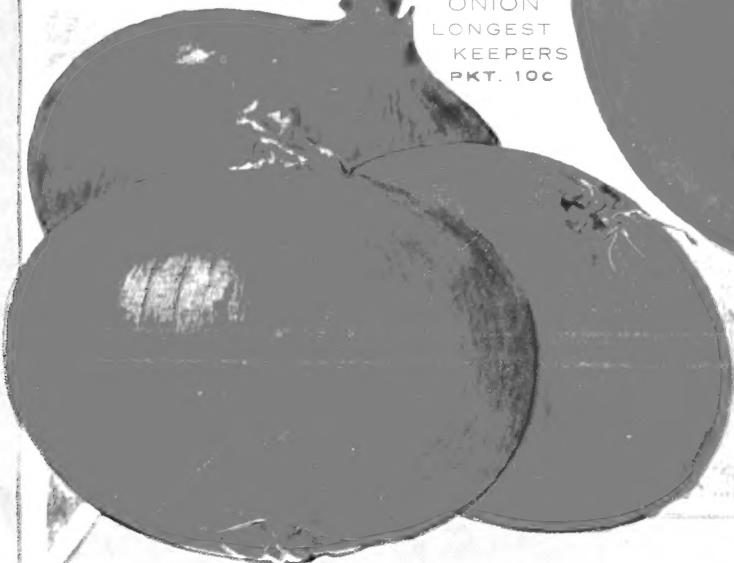


MOUNTAIN
DANVERS
ONION
LONGEST
KEEPERS
PKT. 10c



LIVINGSTON'S GLOBE
TOMATO
GREATEST SHIPPER
FINEST QUALITY
PKT. 10c

"FAMOUS FOR TOMATOES"



THE LIVINGSTON SEED CO.

59-61 EAST CHESTNUT ST.,

COLUMBUS, OHIO



Our Great Dollar Collection of "True Blue"

\$1.00 Postpaid Vegetable Seeds \$1.00 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 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:

Thirty-two (32) Liberal Packets, as Follows, for Only One Dollar

- | | |
|--|--|
| 1. BEANS—Dwarf, Bountiful, Green Pod. Fine. | 17. LETTUCE—Curled Simpson. Fine early variety. |
| 2. BEANS—Dwarf, Sure Crop Stringless. Wax; fine pod. | 18. MUSKMELON—Rocky Ford. Green flesh; early, sweet. |
| 3. BEET—Detroit Dark Red. Very early and tender. | 19. WATERMELON—Ice Cream. Quality very delicious. |
| 4. BEET—Dewey's Blood Turnip. An all-seasons sort. | 20. OKRA—Kieckley's Favorite. Of fine flavor. |
| 5. CABBAGE—Large Wakefield. Pointed head. | 21. ONION—Yellow Globe. Best for general crop. |
| 6. CABBAGE—Surehead. Solid, tender. | 22. PARSNIP—Hollow Crown. Large and extra sweet. |
| 7. CARROT—Danvers. Big cropper; fine quality. | 23. PARSLEY—Double Curled. Very fine green variety. |
| 8. CARROT—Oxheart. Fine medium early sort. | 24. PEAS—Gradus. Large pods; sweet. |
| 9. CELERY—Self Blanching. Early and good. | 25. PEPPER—Ruby King. Very mild and fleshy. |
| 10. CUCUMBER—Davis Perfect. Green, shapely pickle. | 26. RADISH—Long Scarlet. Early. |
| 11. CUCUMBER—Early White Spine. Best slicer. | 27. RADISH—Scarlet Turnip, White Tipped. Quick grower. |
| 12. CORN, SWEET—Golden Bantam. Early Fine. | 28. SALSIFY—Mammoth Sandwich Island. Best sort. |
| 13. CORN, SWEET—Evergreen. Big ear and good. | 29. SPINACH—New Zealand. For general use. |
| 14. DILL—Herb used in making pickles. | 30. SQUASH—Hubbard. Fine for winter use. |
| 15. KALE—Siberian. Splendid for greens. | 31. TOMATO—Livingston's Globe. Splendid pink variety. |
| 16. LETTUCE—Big Boston. A reliable heading sort. | 32. TURNIP—Purple-Top White Globe. One of the best. |

OUR GREAT HALF-DOLLAR COLLECTION OF "TRUE BLUE"

50c Postpaid --- VEGETABLE SEEDS --- 50c Postpaid

Fifteen (15) Liberal Packets, as Follows for Only Fifty Cents

- | | |
|--|---|
| 1. BEANS—Bountiful, Green Pod. Fine. | 9. PARSNIP—Hollow Crown. Large and extra sweet. |
| 2. BEET—Detroit Dark Red. Very early and tender. | 10. PARSLEY—Double Curled. Very fine green variety. |
| 3. CABBAGE—Large Wakefield. Pointed head. | 11. PEAS—Gradus. Large pods, sweet. |
| 4. CARROT—Danvers. Big cropper, fine quality. | 12. RADISH—Scarlet Turnip, White Tip. A quick grower. |
| 5. CORN, SWEET—Golden Bantam. Early, fine. | 13. SPINACH—New Zealand. For general use. |
| 6. CUCUMBER—Early White Spine. Best slicer. | 14. TOMATO—Livingston's Globe. Splendid pink variety. |
| 7. LETTUCE—Curled Simpson. Fine early variety. | 15. TURNIP—Purple-Top White Globe. One of the best. |
| 8. ONION—Yellow Globe. Best for general crop. | |

With each collection we enclose a helpful leaflet of cultural direction, "The Vegetable Garden."



GOOD SEEDS

THE cost of seeds is the smallest item of outlay in producing a crop. The digging or plowing, raking or harrowing, planting, cultivation and harvesting all cost more, and yet the quality of the seeds is of greatest importance. The value of a crop is out of all proportion to the cost of the seeds. A thoroughbred always costs more than a plug. Same is true of high-grade seeds as compared to cheap seeds—trash. Outside of those we grow ourselves, our True Blue seed stocks are secured from specialists who are located in different sections of the country, where soil and climatic conditions are most favorable to the production of the several classes. Many of these growers have supplied us in their special lines for years, some for more than a quarter of a century. All are conscientious and careful to produce the best that the season permits.

We are glad to say, that further reductions in prices have been possible owing to reduced cost of production. The season has been favorable for many varieties and our stocks are more complete than at any time since the war. There are fewer short items.

We call attention to a few of the newer sorts that are worthy of trial. Early Wonder Beet, Emperor Celery, Early Dighton Sweet Corn, Pollock No. 10-25 and Extra-Early Osage Musk Melons, Irish Gray Watermelon, Mountain Danvers Onion, English Wonder Peas, Saxa Radish, Acorn Squash and Livingston's Manyfold Tomato.

We were never in better shape to give the best of everything in seeds and prompt service. Let us have your orders as early in the season as convenient and it will help us to be prompt.

We sincerely hope you may have a successful crop the coming season.

Yours to command,

True Blue Trial Grounds & Greenhouses,
near this City.

Retail Store
Mail Order Dept. } 59-61 E. Chestnut St.
Seed Warehouse }

THE LIVINGSTON SEED CO.,

Columbus, Ohio.

Important Suggestions

By Carefully Observing the Following Directions, Mistakes and Misunderstanding Will be Very Largely Avoided

Columbus, Ohio, is a city of over 250,000 inhabitants, centrally located geographically, has 17 steam railroads systems, 11 electric roads which practically cover the entire county, Express Companies, Telegraph and Telephone wires in all directions, which afford us **unequaled facilities** for receiving orders, shipping and procuring lowest rates to all parts of the country; besides you have the assurance of getting your order in the quickest possible time.

Within Twenty-four Hours' Time, Normally, We Can Reach Two-thirds of the Population of the United States

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, Postoffice, County and State every time you write to us.** Extra Envelopes and Order 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)—**Postoffice Order**; (2d)—**Bank Draft**; (3rd)—**Express Co. Money Order**; (4th)—**Cash by Express** in amounts not less than \$5.00; (5th)—**Registered Letters.** When money cannot be sent by either of the first four methods, it may be enclosed in a Registered Letter. The rates charged for Postoffice Orders and Express Money Orders are now so low this is the best way to remit where they can be obtained.

NO GOODS SENT C. O. D. Unless cash to the amount of one-fourth the order accompanies the same.

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.

EXPRESS INTO CANADA. Under a new ruling, all express shipments into Canada must be **prepaid.** Determine about what your order will weigh and ask your agent what the charges would be, then remit that amount, additional with your order.

OUR PRICES. In comparing our mail prices with others, especially on heavy seeds, such as Peas, Beans and Corn, by the pound and two pounds, and other seeds by the pound and one-fourth pound, **bear in mind that we pay the postage, 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 you 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 or paper from your order, as your letter goes to the general office and your order to Mail, Express, or other departments.

WE URGE customers to inform us promptly on the arrival of orders if anything proves otherwise than expected. We aim to **make friends of our customers** and mail orders receive the same careful attention that customers do over our counters, but we are only human and errors sometimes (though not often) occur. When they do we are willing and anxious to rectify them.

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 this or any other country. In return we will ask you to **speak a good word for us** to your friends and neighbors. An order this season, no matter how small, secures our catalogue for next season as soon as issued.

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 postoffice.

If you have Rural Mail Delivery be sure to give the Name and Number of your Route, if necessary, when ordering.

NON-WARRANTEE. Complaints made that seeds are not good should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all description destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts; chemical changes in the seeds induced by temperature, etc. Soil preparation for the reception of seed is very important. If not properly sown, seed with very high germination is bound to perish. For all these reasons, it is impossible to guarantee seeds under all circumstances, therefore The Livingston Seed Company gives 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. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and you can get no better stocks of any seedsman, even though he **deceitfully professes to warrant seeds.** We have thought best to be frank in regard to this matter so there could be no misunderstanding. A **guarantee** from an **irresponsible** seedsman is of no value whatever.

ABOUT PARCELS POST

WE give below a Parcel Post rate table for the convenience of those wishing goods sent by mail in larger quantities than are quoted "postpaid" herein. Bear in mind, however, that we pay the postage or express charges, unless otherwise noted, on all seeds up to and including pounds (Beans, Corn and Peas, two pounds). The price on other items does not include prepayment of this charge except as noted.

The rate for Seeds, Bulbs Plants and Books is 1 cent for each two ounces up to 8 ounces regardless of distance. Over 8 ounces the pound zone rate applies.	Local Zone City of Col. and its rural routes Postage required	1st Zone Not over 50 miles from Columbus Postage required	2nd Zone 51 to 150 miles from Columbus Postage required	3rd Zone 151 to 300 miles from Columbus Postage required	4th Zone 301 to 600 miles from Columbus Postage required	5th Zone 601 to 1090 mi. from Columbus Postage required	6th Zone 1091 to 1400 mi. from Columbus Postage required	7th Zone 1401 to 1800 mi. from Columbus Postage required	8th Zone Over 1800 miles from Columbus Postage required
Over 8 oz. up to 1 lb.	5c	5c	5c	6c	7c	.08	.09	.11	.12
Over 1 lb. up to 2 lbs.	6c	6c	6c	8c	11c	.14	.17	.21	.24
Over 2 lbs. up to 3 lbs.	6c	7c	7c	10c	15c	.20	.25	.31	.36
Over 3 lbs. up to 4 lbs.	7c	8c	8c	12c	19c	.26	.33	.41	.48
Over 4 lbs. up to 5 lbs.	7c	9c	9c	14c	23c	.32	.41	.51	.60
Over 5 lbs. up to 6 lbs.	8c	10c	10c	16c	27c	.38	.49	.61	.72
Over 6 lbs. up to 7 lbs.	8c	11c	11c	18c	31c	.44	.57	.71	.84
Over 7 lbs. up to 8 lbs.	9c	12c	12c	20c	35c	.50	.65	.81	.96
Over 8 lbs. up to 9 lbs.	9c	13c	13c	22c	39c	.56	.73	.91	1.08
Over 9 lbs. up to 10 lbs.	10c	14c	14c	24c	43c	.62	.81	1.01	1.20
Over 10 lbs. up to 11 lbs.	10c	15c	15c	26c	47c	.68	.89	1.11	1.32
Over 11 lbs. up to 12 lbs.	11c	16c	16c	28c	51c	.74	.97	1.21	1.44
Over 12 lbs. up to 13 lbs.	11c	17c	17c	30c	55c	.80	1.05	1.31	1.56
Over 13 lbs. up to 14 lbs.	12c	18c	18c	32c	59c	.86	1.13	1.41	1.68
Over 14 lbs. up to 15 lbs.	12c	19c	19c	34c	63c	.92	1.21	1.51	1.80
Over 15 lbs. up to 16 lbs.	13c	20c	20c	36c	67c	.98	1.29	1.61	1.92
Over 16 lbs. up to 17 lbs.	13c	21c	21c	38c	71c	1.04	1.37	1.71	2.04
Over 17 lbs. up to 18 lbs.	14c	22c	22c	40c	75c	1.10	1.45	1.81	2.16
Over 18 lbs. up to 19 lbs.	14c	23c	23c	42c	79c	1.16	1.53	1.91	2.28
Over 19 lbs. up to 20 lbs.	15c	24c	24c	44c	83c	1.22	1.61	2.01	2.40
Over 20 lbs. up to 21 lbs.	15c	25c	25c						
Over 21 lbs. up to 22 lbs.	16c	26c	26c						
Over 22 lbs. up to 23 lbs.	16c	27c	27c						
Over 23 lbs. up to 24 lbs.	17c	28c	28c						
Over 24 lbs. up to 25 lbs.	17c	29c	29c						
Over 25 lbs. up to 26 lbs.	18c	30c	30c						
Over 26 lbs. up to 27 lbs.	18c	31c	31c						
Over 27 lbs. up to 28 lbs.	19c	32c	32c						
Over 28 lbs. up to 29 lbs.	19c	33c	33c						
Over 29 lbs. up to 30 lbs.	20c	34c	34c						
Over 30 lbs. up to 31 lbs.	20c	35c	35c						
Over 31 lbs. up to 32 lbs.	21c	36c	36c						
Over 32 lbs. up to 33 lbs.	21c	37c	37c						
Over 33 lbs. up to 34 lbs.	22c	38c	38c						
Over 34 lbs. up to 35 lbs.	22c	39c	39c						
Over 35 lbs. up to 36 lbs.	23c	40c	40c						
Over 36 lbs. up to 37 lbs.	23c	41c	41c						
Over 37 lbs. up to 38 lbs.	24c	42c	42c						
Over 38 lbs. up to 39 lbs.	24c	43c	43c						
Over 39 lbs. up to 40 lbs.	25c	44c	44c						
Over 40 lbs. up to 41 lbs.	25c	45c	45c						
Over 41 lbs. up to 42 lbs.	26c	46c	46c						
Over 42 lbs. up to 43 lbs.	26c	47c	47c						
Over 43 lbs. up to 44 lbs.	27c	48c	48c						
Over 44 lbs. up to 45 lbs.	27c	49c	49c						
Over 45 lbs. up to 46 lbs.	28c	50c	50c						
Over 46 lbs. up to 47 lbs.	28c	51c	51c						
Over 47 lbs. up to 48 lbs.	29c	52c	52c						
Over 48 lbs. up to 49 lbs.	29c	53c	53c						
Over 49 lbs. up to 50 lbs.	30c	54c	54c						

Insured Parcel Post

Packages up to \$25.00 in value will be insured for their full value on payment of a fee of 5 cents for each package in addition to the regular post rates. Packages in value over \$25.00 will be insured for their full value, but not to exceed \$50.00 for a fee of 10 cents for each package in addition to the regular Parcel Post rates. If you desire your package insured, send the insurance fee in addition to the amount you send to pay for the goods—and be sure to mention same on your order.

Weight Limit

In the local, first and second zones, packages will be delivered by Parcel Post, weighing up to 70 pounds. In the third to eighth zones, the weight limit is 50 pounds.

Size Limit

The size of the parcel in no case is to exceed 84 inches in length and girth combined. In other words, the circumference of the parcel at its thickest part, plus its length, must not exceed 84 inches.

Returning Goods

Should you ever find it necessary to return goods by Parcel Post, never put a letter or any money in the package, as that would make the whole shipment bear a first-class postage charge. Never seal a Parcel Post package or place a stamp over a string. Always put your name and address in the upper left-hand corner.

Two Valuable Books on Vegetable Gardening

"Home Vegetable Gardening"

By ADOLPH KRUEH of the Garden Magazine

This book tells, in a practical way, just how to proceed with a garden, sowing of the seed, kind of soil best for the different vegetables, lay-out, etc. It is just what you need to assist you with your garden, whether you are an amateur or an old hand at the business. A book of about 300 pages fully illustrated with more than 200 photographic reproductions, also 32 four-color illustrations. Cloth bound. Price \$1.50, postpaid. Order a copy today.

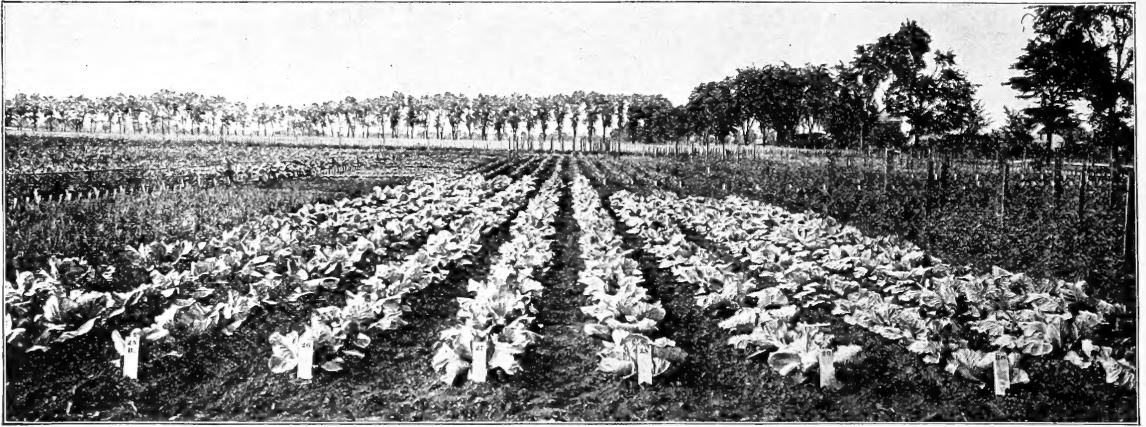
The Gardenette

A complete garden guide; tells how to grow choice vegetable by the celebrated Sandwich System, how to start early, thrifty plants without a hotbed; how to grow melons, cucumbers, etc., by the new Post Hole Method; how to stimulate quick germination, and induce vigorous growth; how to grow and blanch 1000 fine celery heads on one square rod, on any kind of soil, and other new and valuable methods of gardening, not idle theories, but successful facts. Finely illustrated. Cloth bound, \$1.60, postpaid.

If you have never ordered one of our great Dollar Collections of Vegetable Seed, better try one this season. It is a real bargain. We also offer a Half Dollar Collection, an equally good bargain. See the second cover page.

Important Notice

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 and sign your name and give your complete address each time you order.



Partial View of Our Trial Grounds

Livingston's "True Blue" Vegetable Seeds

In our Vegetable Seed Department we have listed only such varieties as are of real merit, having rigidly excluded all sorts that are not of value, and have cut out a number of out-of-date varieties.

We make thousands of tests each year in our Trial Grounds to ascertain similarity of variety, so as not to offer the same sorts under different names.

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

It can be grown in any good garden soil, but does best in sunny, moist soil. To grow plants from seed, sow in drills about one inch deep in rows one foot apart. Keep the soil mellow and free from weeds; during the Summer thin out, and the following Spring plants may be set in

the permanent bed. For small gardens set the plants one foot apart each way, ten inches below the surface, spreading the roots well apart. Cover with three inches of soil and as plant grows fill in the trench. **One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce. Leaflet giving Cultural directions free to customers.**

Columbian Mammoth White—A distinct variety, producing shoots which are white and remain so as long as fit for use. Vigorous and robust in habit; grows large shoots. Needs no earthing up. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Giant Early Argenteuil—A splendid early French variety of large size and green in color; excellent flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Palmetto—Large, dark green variety of vigorous growth, having pointed tips. Early. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.

Conover's Colossal—Large and rapid grower of excellent quality; color green. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., .90. Postpaid.



Palmetto Asparagus

Broccoli

Brocoli Spargekohl

This plant is very closely allied to the Cauliflower, the variation being very slight. It is generally considered rather more hardy, however. In growing Broccoli, a seed bed should be prepared and the seed sown in May. The plants will be ready to transplant late in June or early in July, and should be set in very rich mellow ground, in rows about 2½ feet apart, leaving 18 inches between the plants.

Early Large White—Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 50c.

Early Purple Cape—Rather hardier sort; greenish purple heads; good flavor. Pkt., 15c.; oz., 50c.

Brussel Sprouts

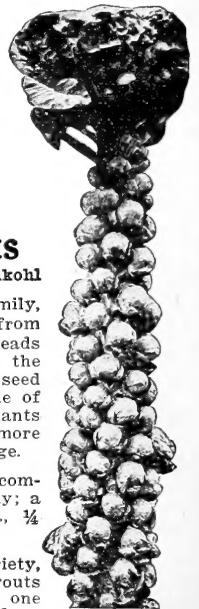
Col de Bruxelles Rosenkohl

A species of the Cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, boiled in the same way as Cauliflower. The seed should be sown about the middle of May, in a seed bed, and the plants afterwards set in rows 2 feet or more apart, and cultivated like Cabbage.

Improved Dwarf—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c.; oz., 30c., ¼ lb., 85c.; lb., \$3.00. Postpaid.

Pride of Denmark—A fine variety, growing about 3 feet tall. Sprouts develop along entire stock at one time, lower ones being as good as those at top. Pkt., 10c.; oz., 30c.; ¼ lb., 90c.; lb., \$3.25. Postpaid.

Borecole, or Kale—See Kale, page



Pride of Denmark Brussels Sprouts

Garden Beans

Our strains of Beans are exceptionally fine. They are produced by the best growers in this country, who make a specialty of growing them for seed purposes. The fields are carefully rogued each year, the seed is hand picked, so that our stock will be found first-class.

Bean Prices includes postage, up to two pound quantities. If the larger quantities are wanted sent by mail it will be necessary to remit additional amount at the Parcel Post rates. Refer to page 3 for rates.

Two pounds (one quart) will plant a row 200 feet long; 1 to 2 bushels to the acre.

Wax Podded Dwarf Varieties Livingston's Hardy Wax

High Quality—Stringless—You can't find a stronger or more healthy grower than this variety. We made pretty strong claims for Livingston's Hardy Wax when we first introduced it, but we haven't taken back a word that we said. Hardy Wax is a good shipper and its great beauty makes it salable anywhere. The round yellow pods are very solid, meaty and tender, absolutely stringless and of fine flavor. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

"Sure Crop" Stringless Wax

Hardy—Blight-Resistant—Fleshy, Stringless Pods—Plants are very thrifty and hardy. Thick, leathery leaves resist blight admirably and help this sort to stand a remarkable amount of dry weather. The Bean "par excellence" for dry sections. Beans early, pods average 6 inches long, are semi-round and fleshy, and entirely stringless. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Livingston's Pencil Pod Wax (Refugee Wax)

Although hardy, it is stringless, tender and of fine quality. Pkt. smooth, perfectly round and straight. In points of vigor, hardiness and productivity, it is superior to most sorts. Medium early. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75.

Wardwell's Kidney Wax

Immensely productive. One of the handsomest Wax Podded Beans. Early: vine medium, erect, hardy, productive. Pods long, broad, flat, brittle and of a delicate light yellow. Very attractive market sort. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By Express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Webber Wax

A high quality, flat podded, stringless variety of the season of Wardwell's Kidney Wax. Pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy stringless and brittle, with little fiber. Plant vigorous and productive. Color of pod is a decided bright yellow. Seed yellow, kidney shaped. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. Postpaid. By express, not paid: 7 lbs., \$1.60; 15 lbs., \$2.85.

New Kidney Wax

Pods are thick and fleshy; average 6 to 7

inches in length, are borne in large clusters and make the finest show on the market bench on account of their rich, lemon-yellow color and straight, handsome shape. In quality unsurpassed. Is brittle and stringless at all stages of growth. Early. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c. Postpaid. By express, not paid: 7 lbs., \$1.90; 15 lbs., \$3.50.

Keeney's Rustless Golden Wax

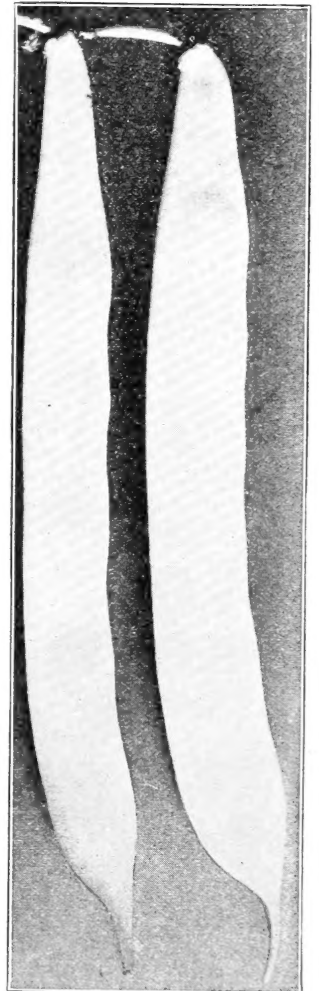
A strong grower; free from rust. This sort has a tendency to shoot a few tendrils in its early growth, but these soon disappear and it is therefore classed as strictly a bush variety. Pods meaty, semi-round, rich yellow, fine quality; entirely stringless. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. Postpaid. By express, not paid: 7 lbs., \$1.60; 15 lbs., \$2.75.

Improved Golden Wax

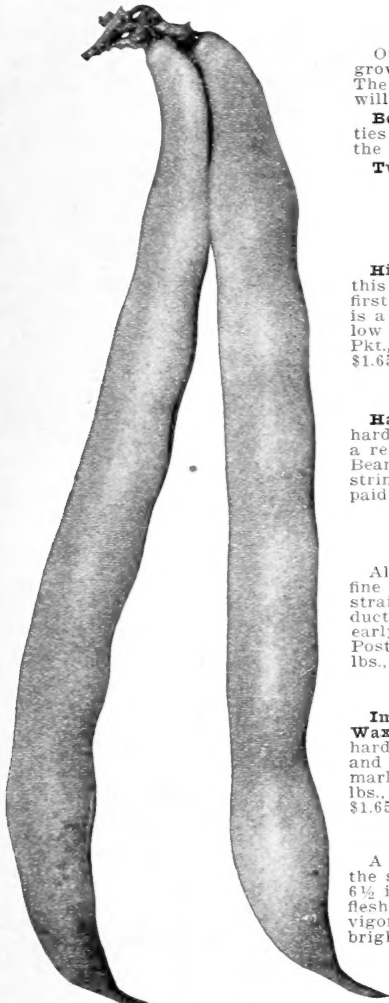
Grenell's—One of the best strains of the original Golden Wax. Hardy, prolific, of best quality; pods straight, thick, stringless, vines erect. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. Postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Davis White Wax

Very productive, white-seeded, rustless, string variety, but not as good for family use unless picked quite young. A good variety for shipping. The dry white Beans are good for cooking purposes. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. Postpaid. By express, not paid: 7 lbs., \$1.60; 15 lbs., \$2.75.



Wardwell's Kidney Wax



Sure Crop Wax

Round Pod Kidney Wax

Plants grow strong and sturdy, producing long, round, handsome, stringless pods of large size, very solid and full of meat; early and productive. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Improved Prolific Black Wax

Pencil Pod Strain—Pods are long, fleshy, round, waxy yellow, solid and tender; early. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75.

Hodson Wax—Late, but very vigorous and hardy. Pods are large and beautiful but inclined to be stringy, productive, good shipper. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. Postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00; 60 lbs., \$11.00.

Currie's Rust-Proof Wax—Pods long, flat, beautiful but stringy; extra early, productive, fine shipper. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c. Postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Green Podded Dwarf Beans

Prices of Beans Include Postage up to and Including 2 Pounds
Bountiful

(See illustration.) A green pod Bush Bean, which comes into bearing very early and continues throughout the season. Pods beautifully rich green, very thick, broad, long and uniform; meaty, tender, fine quality; stringless until quite old. Can be used as dry bean for winter use. A splendid market variety. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Stringless Green Pod

One of the finest extra-early Beans in cultivation and one that has held its place in spite of many new introductions for which superior qualities were claimed. It produces in profusion long, straight, round, deeply saddle-backed pods early in the season. The pods are absolutely stringless at all stages of growth, brittle, tender and of real good flavor. One of the finest for home use. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Full Measure

A very desirable, round-podded variety with pods 6 to 7 inches long, which are solid, meaty, brittle and stringless. It is a little later than Stringless Green Pod and is a splendid bean for home or market use. Pkt., 15c.; ½ lb., 25c.; lb., 35c.; 2 lbs., 60c., postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Stringless Green Refugee

It has every quality desirable in a bush bean—true bush habit, 18 inches high, unusually productive. The pods are round, very handsome, and average over 5 inches in length. They are fleshy, tender, brittle and entirely free from strings at all stages of growth. Splendid for canning. Pkt., 15c.; ½ lb., 25c.; lb., 35c.; 2 lbs., 60c., postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Hopkin's Earliest Red Valentine

Best of all Red Valentine strains, early and prolific, round green podded. Remains in good condition a long time after picking. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.60; 15 lbs., \$2.85; 60 lbs., \$10.50.

Giant Stringless Green Pod

Pods average 5 inches long. Full and fleshy, extremely crisp and absolutely stringless; early and prolific. Fine for canning. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express not paid: 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Livingston's Round Six Weeks—Early; strong grower and abundant cropper. Pods green, very fleshy, free from strings when young. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c., postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75.

Black Valentine—Very hardy; resists unfavorable weather and disease. Long, straight, semi-round, green pods of fair quality, enormously productive. Ready for market in 50 days from sowing; is not stringless; a fine shipping sort. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Refugee or 1000-to-1—Fine quality, late. Prolific pods nearly round; stringless when young; a popular variety for canning. Our strain is extra fine, having been selected with great care for a number of years. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Extra Early Refugee—Hardy, and a fair cropper. Ten days earlier than Refugee or 1000-to-1. Pods saddle-back with some strings. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c., postpaid. 7 lbs., \$1.50; 15 lbs., \$2.75; 60 lbs., \$10.00.

Tennessee Green Pod—This extra-early sort is quite popular in some sections of the South. The pods are very long, often 6 to 7 inches, flat and irregular in shape, of dark green color and is of exceptionally good quality and stringless when young. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c., postpaid. 7 lbs., \$1.50; 15 lbs., \$2.75.

Dwarf Horticultural—Speckled Cranberry. Splendid for shell beans, or used dry. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c., postpaid. By express, not paid: 7 lbs., \$1.50; 15 lbs., \$2.75.

Improved Navy or Boston Pea Bean—A very productive winter dry sort, selected seed. Pkt., 15c.; ½ lb., 25c.; lb., 30c.; 2 lbs., 55c., postpaid. Write for price in quantity.

White Marrow—Good, green shelled or dry. Standard Soup Bean. Pkt., 15c.; ½ lb., 25c.; lb., 35c.; 2 lbs., 65c., postpaid. Write for prices in quantity.

White Kidney or Royal Dwarf—The large pure white kidney shaped beans are used for green shelled or dry for winter use. Cooks quick; quality fine. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. Write for prices in quantity.

Bush Lima Beans

These varieties are of true Bush or Dwarf form, growing but 18 to 20 inches high, without supports. About two weeks earlier than the Pole Lima Beans. Sure croppers. Abundant bearers until frost. Plant in rows 2 to 3 feet apart and a foot apart in the rows.

Burpee's Improved

This has uniformly larger pods than the original Burpee's Bush Lima. Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from 5 to 7. The individual pods average 5 inches long and contain up to 6 beans. The beans are thin-skinned and of delightful flavor. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.25.

New Wonder, (Quarter Century or Burbee's Bush)—Pods about the same as Burpee's Bush Lima; beans slightly smaller; a few days earlier and fully as productive. A sure cropper. Very true to bush form. An immense yielder. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.00.

Fordhook

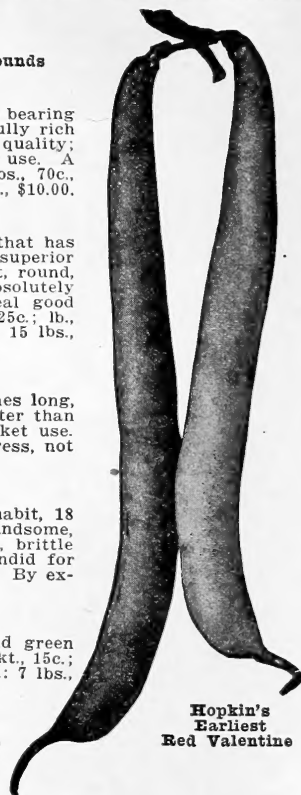
The stiffer erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The beans are plump and remain green a long time. The beans are very fat, are closely packed in the pods, and shell very easily. Pods are borne in clusters of from 4 to 6, average 4 to 5 inches long and contain usually 4 tender beans of a delightful flavor. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.25.

Henderson's Bush Lima—Compact bush form, and produces large crops. Delicious flavor. Beans and pods are smaller than above sorts. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.40; 14 lbs., \$2.50.

Wood's Prolific—An improved Henderson's Bush Lima. The beans are larger and thicker; a very prolific bearer and the quality is very fine. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.50; 14 lbs., \$2.75.



Bountiful



Hopkin's Earliest Red Valentine



Early Leviathan Pole 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. Prices on Beans include postage up to and including two pounds.

Early Leviathan

(Illustrated above)

The earliest of the large podded sorts. The pods are 5 to 6 inches in length and often contain 5 to 6 large, flat white beans of excellent quality. The Early Leviathan is very productive. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.25.

Carpenteria Large Green-Seed

Vines are strong, vigorous growth, setting many pods, which are closely filled with large, fat Beans, much thicker than those of the ordinary Pole Limas. Pods contain 3 to 4 Beans, which retain the green tint in the dry state—a sure indication of fine quality. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.65; 14 lbs., \$3.00.

Dreer's Improved

Beans thick and by many considered of best quality. Of medium size. Especially good for the home garden. Very productive. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.80; 14 lbs., \$3.35.

Hugh Holland, Washington County, Pa., writes as follows:

"Have used your seeds for years, with best results."



Fordhook Bush Lima

Siebert's Early

The result of a number of years' selecting to largest green Beans and easily opening pods. Very productive, hardy and vigorous. Produces pods early, and continues to the last of the season. The green Beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the ordinary White Lima. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.65; 14 lbs., \$3.00.

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. A very fine variety. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.70; 14 lbs., \$3.15.

Giant Podded

The largest podded Lima in cultivation; extremely vigorous in growth; mid-season. Pods measure about 7 inches long by 1½ inches broad and are borne in clusters of six to eight; beans extra large and of excellent quality. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 85c., postpaid. By express not paid: 7 lbs., \$1.90; 14 lbs., \$3.50.

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 3 to 6 beans in a hill, 2 inches deep, leaving space in center for the pole. When well started they should be thinned to from 2 to 4 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, deeply saddle-backed pods. Very prolific, producing an abundance of fine, stringless, crisp pods until late in the season. Of best quality. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

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. The pods often attain a length of 8 to 9 inches. It begins bearing when the vines are only a few feet in height, hence its earliness, and, therefore, well adapted to maturing a crop where seasons are quite short. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.80; 15 lbs., \$3.35.

Lazy Wife

A late productive sort, having medium green pods up to 6 inches in length, broad, flat, stringless, fleshy, brittle and of excellent quality. Dry beans, round and white. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 85c., postpaid. By express, not paid: 7 lbs., \$1.90; 15 lbs., \$3.50.

Speckled Cranberry

("Bird Egg.") A mid-season sort. Pods 5 inches long, straight, flat and good as green or shell beans. Pods green, splashed with red. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.65; 15 lbs., \$3.00.

Early Golden Cluster Wax

Vines strong and hardy; very early and continues bearing until frost. Pods are golden yellow, stringless and tender. Pkt., 15c.; ½ lb., 30c.; lb., 50c.; 2 lbs., 95c., postpaid. By express, not paid: 7 lbs., \$2.20; 15 lbs., \$3.80.



Kentucky Wonder, or Old Homestead

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 18 inches apart. $\frac{1}{2}$ inch deep. For winter use, the Turnip varieties may be sown as late as June and the seed covered two inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 or 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 insure 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.**

Early Wonder

This is an extremely early sort, being ready for market several days ahead of Crosby's Egyptian. It is a turnip shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40. Postpaid.



Early Wonder

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 vines dark red, blade green; root globular and very smooth (see illustration); 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., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35. Postpaid.

Crosby's Improved Egyptian Beet

A very superior beet. Of handsome form, good size, few small tops very small top root, fine quality and a rapid grower. The shape is very desirable, not quite so round as the Eclipse. (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 to the Globe and Half-Long varieties. 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. We have made a very fine selection of our stock for years and we believe have it nearer the original Crosby idea than any in the trade. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35. Postpaid.

Early Eclipse

An early beet especially desirable for the home garden, also used for bunching. 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, especially when young. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00. Postpaid.

Dewing's Improved Blood Turnip—The leading medium early main crop variety. Roots always smooth, handsome, good size, tender and sweet. An enormous cropper. Sow late for Winter storage. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00. Postpaid.

Extra-Early Dark Red Egyptian—Very early, a little later than Crosby's Egyptian. Dark blood red, medium size, tender and sweet; fine for kitchen gardens. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Bastian's Early Blood Turnip—The largest of the turnip-shaped Beets. Tender and sweet. The flesh is somewhat lighter in color than other sorts. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Edmand's Blood Turnip—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., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.15. Postpaid.

Crimson Globe—Root of medium size, very handsome, globe shape and has a remarkably smooth surface. Both the skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small top root; leaves are small, dark green. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35. Postpaid.

Lentz's Early Blood Turnip—A favorite second early sort. Of a rapid growth; fine form, exceedingly sweet and delicious. Flesh dark and light pink, boils light red. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Half-Long Blood Red—Of handsome shape, fine quality, quick growth; good for winter use if planted late. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00. Postpaid.

Long Dark Blood Red—A good keeper for winter use, flesh dark blood red. Fine quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00. 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 mid-ribs can be cooked and served like Asparagus. Produces continually from July until fall. Desirable for greens in summer when Spinach cannot be grown.

Silver, or Sea Kale—Yellowish green in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00. Postpaid.

Lucullus—An improved variety. The plants grow from 2 to 2 $\frac{1}{2}$ feet tall and consist, when fully developed, of about a dozen creamy white, beautifully curled leaves. These leaves are carried on broad, thick stalks, about 12 inches long. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Joseph P. Eupert, of Indiana Co., Pa., writes on January 21, 1921, as follows: "I was always well pleased with the results of planting your seeds, and I want to let my friends here know that your seeds are the best I ever planted."



Swiss Chard
Lucullus

Beets for Stock Feeding Sugar Beets

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of sugar. They are excellent for feeding cows, improving wonderfully the quantity and quality of milk. Same culture as Mangel-Wurzels.

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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Lane's Imperial

Especially good for stock feeding. Large, smooth, fine-grained and very sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Giant Half-Sugar Rose

Yield nearly as much per acre as Mangel-Wurzels, and the roots are of much larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c. Postpaid.

Giant Half-Sugar White

Similar to above, only white. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Ask for
our prices
on large
lots of
both Man-
gels and
Sugar
Beets.

Golden Tankard

Very productive and sweet; flesh yellow; tops and neck very small; easily pulled; especially relished by sheep and cows. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c., postpaid. By express, not paid: 5 lbs., \$2.00; 10 lbs., \$3.25.

Golden Tankard

Yellow or Orange Globe

Very productive; easily pulled; fine keeper; spherical shape; orange-yellow skin and flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Golden Giant Intermediate

Yellow Leviathan, or Mammoth Yellow—Beautiful russet yellow; skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

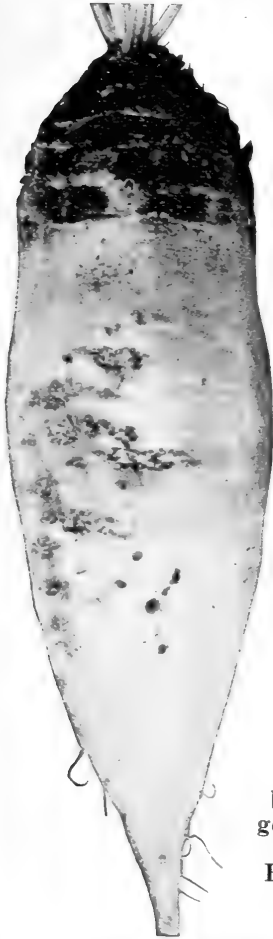
Mr. Emerson B. Gibson, Camden County, writes as follows: "The collection I got in 1918 could not be beat for the seeds were the best that could be had, and I was well pleased with them."

Benj. H. Burdon, Providence County, E. I., writes on June 14th, as follows: "Every seed that I purchase of you grows and that is why I send such a distance for them."

William Leesberg, Seneca County, Ohio, writes on March 21st, as follows: "All the seed I received from you last year done fine and I had the best garden I ever raised. Lots of people would pass by and say: 'How does it come that you have such a fine garden.' And I would say, the only reason I know is because I get all my seeds from the Livingston Seed Company, Columbus, Ohio."

Mammoth Long Red

Martha L. Jones, Wabash County, Ind., writes as follows: "Received the seed this morning alright. Thanks for quick service."



Giant Half-Sugar

Mangel-Wurzels (Stock Beets)

An ever-increasing acreage is being planted to stock Beets because of the wonderful results from feeding them. Sow in rows 2½ 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 sow one acre.

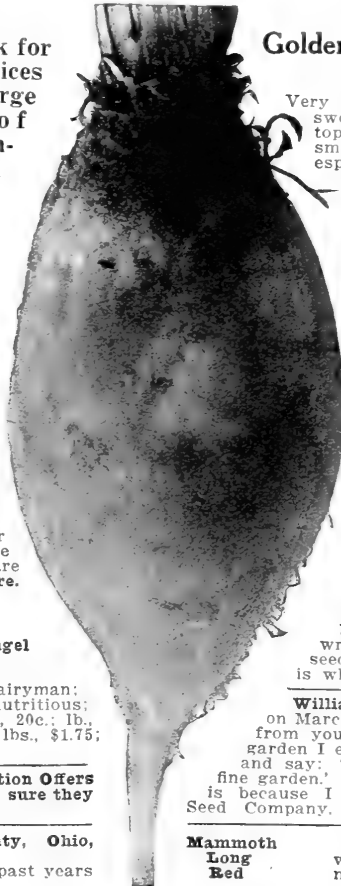
Mammoth Long Red

Also Called Norbiton Giant, Jumbo Mangel Colossal, Etc.

A favorite with the farmer and dairyman; large, well-formed; dark-red color; very nutritious; a big cropper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c., postpaid. By express, not paid: 5 lbs., \$1.75; 10 lbs., \$3.00.

Do not fail to read our Vegetable Collection Offers on the inside of front cover page. We are sure they cannot be duplicated elsewhere.

Ruby Stackhouse, Columbiana County, Ohio, writes January 17, 1918, as follows: "The seeds I received from you in the past years were satisfactory."



Gol repollo **Cabbage** Weisskraut

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 hot-beds 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 18 inches 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 in the row. In transplanting, it is important that plants 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 deep. 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-slacked lime or wood ashes. For cabbage worm, use Hammond's Slug Shot, see page 95. **One ounce of seed produces about 2500 plants. Four ounces will grow enough plants to set an acre.**

Chinese Cabbage (Pe Tsai), Celery-Cabbage, Odorless Cabbage, Etc., See Page 12.

Early Jersey Wakefield

This variety should be grown in every Garden. Many market gardeners consider this the very best Early variety. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which 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 is sure to give satisfaction.** Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.



Early Jersey Wakefield

Large Charleston Wakefield

A selection from Early Jersey Wakefield, only it is about one week later than that popular early variety and grows larger heads, often averaging 8 to 10 pounds. Very solid and of fine quality. There are immense quantities grown in the South for Northern markets. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

Glory of Enkhousen

A second early of large size and very solid. Matures a few days later than Early Jersey Wakefield; 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., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

Early Winningstadt

Well known and popular second early Cabbage. Heads decidedly conical. Solid, even in Summer; almost worm-proof, because so hard. A very sure header. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. 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., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Early Spring

About as early as Early Jersey Wakefield. Has the peculiarity of heading firmly even before fully grown. Also flat-headed, making it valuable for early market or home use. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., \$1.00. Postpaid.

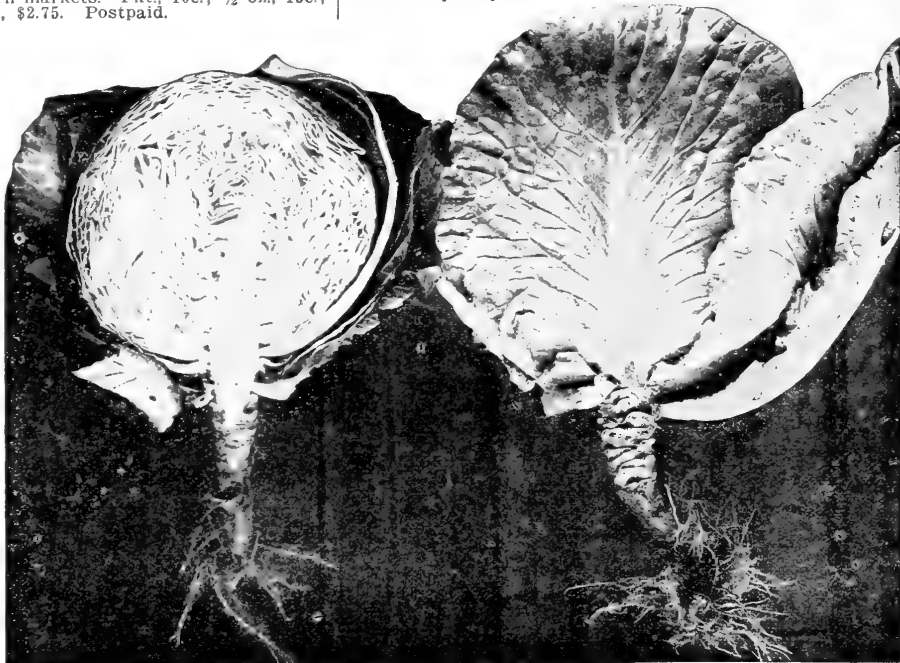
Miss Tulah Kelley, Wyandot County, Ohio, writes as follows: "Am writing to thank you for the prompt sending and exact fulfillment of my recent seed order. Am certain we shall be as pleased with these seeds as with those in past years."

Copenhagen Market

A splendid new extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Each plant forms a perfect, tightly folded head, averaging five to eight 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 meritorious Cabbages. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.10.; lb., \$3.75. Postpaid.

W. L. Wilcox, Genesee County, Mich., writes March 13, 1918: "I used your seeds last year and was very much pleased with the results."

January 20th, 1920, Mr. Leo L. Wagner, Orleans County, Louisiana, says: "Your mail service beats all others. Seeds last year A No. 1."



Copenhagen Market

Cabbage (Continued)

All-Head 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., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Fotler's Short-Stem Brunswick

Has large, solid heads with few outside leaves; a fine medium maturing sort. Heads flat, fine grained and sweet. Stem quite short; planted late, is a choice Winter sort. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

All Season (Vandergaw)

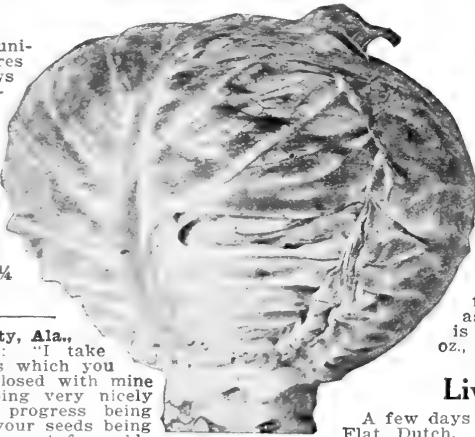
An improved strain of Early Dwarf Flat Dutch. Heads very large, round, solid and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. If planted late—a choice Winter sort. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 90c.; lb., \$3.25. Postpaid.

Succession

About one week later than the Henderson's Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. A very sure header. Heads deep and of excellent quality. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

The Volga (No. 20)

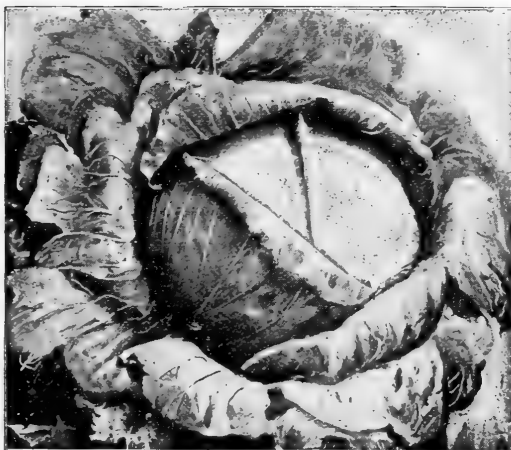
This variety is of the greatest uniformity. In a field of several acres frequently not a single plant shows any variation from a true and valuable type. The heads are about equal in size and shape, weighing from 12 to 15 pounds each, round as a ball, the largest measuring about 12 inches in diameter either way. Heads very solid; the flesh is exceedingly firm, tender and white. In respect to hardness, we have never seen a better type. This type matures somewhat earlier than our late-growing kinds. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.



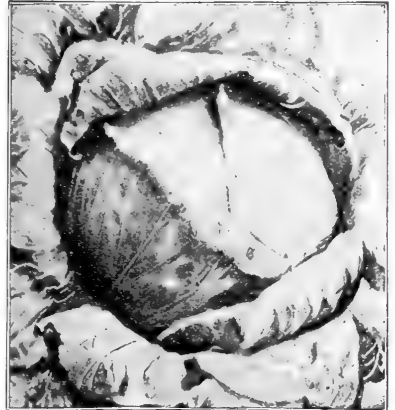
Volga

John H. Bowers, Jefferson County, Ala., writes on April 1st, as follows: "I take pleasure in adding that the seeds which you sent me in response to order enclosed with mine of the 22nd of February are doing very nicely indeed, in fact, the remarkable progress being made by my small garden crop (your seeds being used exclusively) has brought out most favorable comments from my onlooking neighbors, which afforded me an opportunity to boost 'Livingston' products. This I did with pleasure."

Mrs. Carl L. Shattuck, Macomb County, Michigan, writes as follows: "We find your packets of seed so liberal that it is unnecessary to order a full line of vegetable seed for the coming season and everything we have tried has grown splendidly."



Henderson's Early Summer



All-Head Early

Autumn King or World Beater

One of the finest strains of late Cabbage. It produces regularly, even heads of large size; is a great cropper of fine quality. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Surehead

Very reliable header; 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, keeps well, and, as a late sort for the kitchen garden, is unequalled. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Livingston's Ideal Winter

A few days earlier than Livingston's Premium Flat Dutch. The large, solid heads, the low, short stems, the absence of useless foliage, 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., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

Henderson's Early Summer

About 10 days 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. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

If Cabbage is wanted in larger quantity than quoted herein, ask for our Special Wholesale Prices.

Mr. Simon Brown, Athens County Ohio, writes: "I want to congratulate you for securing such high grade Cabbage seed. Various Garden and Flower Seeds which I bought from you for a number of years were always up to standard but my Cabbage crop was a hummer and I am surely pleased with the outcome. In December 1918 I bought some Copenhagen Cabbage so as to have everything ready for a good start in due time. Plants were ready for the field in early April. Planting some 10,000 strong, stocky plants. The week of June 11 to 17 I cut 1 Ton solid heads and by July 3 finished cutting the crop at a time the price was still good. A remarkable feature was the uniformity and true shape of the heads."

Mrs. Sadie S. Carter of Cherokee County Kansas, writes as follows: "First installment of cabbage seed was received and planted January 19. The 21st they were coming up nicely, the quickest germination we ever had. That's moving some I think."



Danish Ball Head (Short Stem)

Danish Ball Head

Tall Stem This splendid variety is well known for its remarkable solidity and grand keeping qualities. The heads are very heavy and superb in quality. The extra weight, in limited space, will be appreciated by those who grow for distant markets, ship in car loads and sell by weight. This variety has also been sold under a number of different names, such as "Hollander," "German Export," "Dutch Winter," etc. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$2.75. Postpaid.

Danish Ball Head

Short Stem The head is quite similar to the above, but has shorter stem. Less outer-foliage and better able to resist blight. Stands hot weather better than the tall stem. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

J. K. Smith, Niagara Co., N. Y., writes as follows: "Last year I purchased over \$5.00 of seeds from you, in addition to small purchases from several other firms, and I had much better luck with your seeds than with any others."

Livingston's Premium Flat Dutch

Produces many tons to the acre, because of its solidity and compact manner of growth; is solid to the heart. Our strain has no superior. The heads are large, white, crisp and tender, and sure to head. Grown largely for Kraut making in the Autumn. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Red Cabbage

Danish Ironball (Red)

As round as a ball and as hard as iron—these are the two leading characteristics of this elegant new sort. Heads grow to a large size, averaging 8 inches in diameter, of rich purplish color throughout. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., \$1.00; lb., \$3.50. Postpaid.

Mammoth Rock Red

Heads as large as Late Flat Dutch; deep red to center. Highly recommended. Hard as a rock. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Savoy Cabbage

The Savoy or Curly Cabbages are of exceptionally fine flavor and quality, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Most delicious after frost.

Improved American Savoy—Heads large and finely curled; short stalk; a compact grower; sure header; keeps well. Best for main crop. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Chinese Cabbage

Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc. It is a species of cabbage, with a fine delicate flavor. Is as tender as head lettuce and is in great demand for numerous dishes such as salads, cold slaw, or it may be cooked quickly.

The Culture, Storing for Winter, etc., are same as for late Cabbage. Our experience is that Chinese Cabbage can not be grown successfully as a Spring crop. For Fall crop, seed should be sown early in August. We offer two varieties, as follows:

Pe Tsai—Produces a long slender head, often measuring 20 inches in length, outer leaves light green, inside is of a beautiful creamy yellow, very solid heads. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Wong Bok—The heads of this sort are shorter and of greater diameter than the above and average heavier. Wong Bok has beautifully curled leaves of fine quality and is a sure header. Pkt., 10c.; ½ oz., 20c.; oz., 30c.; ¼ lb., \$1.00; lb., \$3.50. Postpaid.



Danish Ironball (Red)



Chinese Cabbage—Wong Bok

Coliflor Cauliflower Blumenkohl

Cauliflowers delight 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 or 3 inches apart in boxes or in another hotbed, until such time as they are safe to be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. If properly hardened off, they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun. **One ounce produces from 1500 to 2000 plants.**

Dry-Weather

(Also known as **Danish Giant and Gilt-Edge.**) This is a fine, large, heavy variety that matures about a week later than Livingston's Earliest Cauliflower. **It is especially adapted for growing in dry localities on account of its large leaves which furnish greater protection to the heads.** Pkt., 25c.; ¼ oz., 75c.; ½ oz., \$1.40.

Henderson's Early Snowball

A very fine medium early sort, and if plants are started late it does equally well as a late crop. Heads of medium size, compact and very white. Has few short upright leaves. A very sure header. Pkt., 25c.; ¼ oz., 70c.; ½ oz., \$1.35.

Livingston's Green-House Forcer

A selection from Extra Early Dwarf Erfurt, but having shorter leaves; is equally sure to head and heads about the same size. The small leafage is desirable in greenhouse culture, as it permits closer planting and therefore more heads to a given space. Heads are creamy white and of fine texture and flavor. Pkt., 25c.; ¼ oz., 75c.; ½ oz., \$1.40.

Extra Early Dwarf Erfurt

Dwarf habit, compact growth; short outside leaves. Can be planted 20 inches apart. Similar to Livingston's Earliest. Pkt., 25c.; ¼ oz., 70c.; ½ oz., \$1.35.

Large Late Algiers

Popular with canners and market gardeners. Ample foliage protects the large heads well, which remain a long time fit for us. Pkt., 15c.; ½ oz., 35c.; oz., 65c.

Berro Cress or Pepper-Grass Kresse

A well known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

Extra Curled Pepper Grass—May be cut two or three times. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

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. Growing Water Cress should prove a profitable enterprise where the conditions are favorable. Pkt., 10c.; ½ oz., 35c.; oz., 60c.

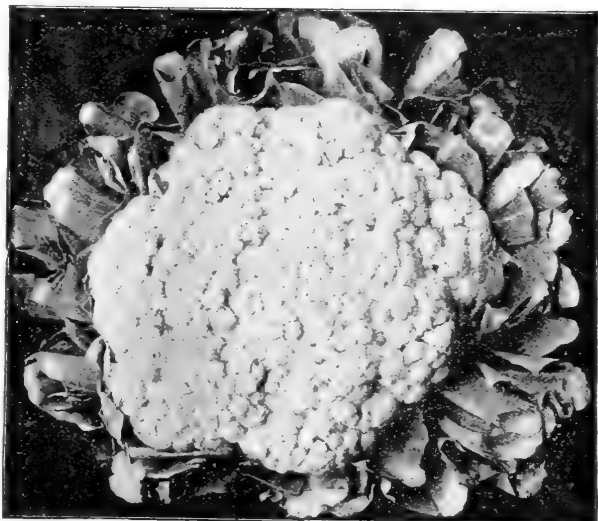
Upland—This is a hardy perennial; stays green nearly the whole year; ready for use in the Spring before any other salad. Eaten like Lettuce or boiled like Spinach. Sow in April in rows 1 foot apart. Pkt., 5c.; oz., 20c.; ¼ lb., 65c.

C. L. Little, New Haven, Co., Conn., says:

"It was a bad season last summer—locally for vegetables but your seeds stood the test as well (or better) as any I tried. Not all do well on the shore and my garden is less than 150 feet from Long Island Sound.

Richard Collins, Merrimack Co. writes as follows:

"Seeds ordered of you a short time ago were received in good condition, and if they do as well this year as they have in the past they will be very satisfactory."



Livingston's Earliest Cauliflower

Livingston's Earliest

Our grower in Denmark spares no pains or expense with this stock. For wintering in cold-frames for early, it can not 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 should take 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., 25c.; ¼ oz., 75c.; ½ oz., \$1.40.

Chicory

Sow the seed in June in open ground in rows 12 to 14 inches apart, keeping free from weeds and 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 or 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 any portion may be forced by covering with 18 inches of manure. In 4 or 5 weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

May be grown indoors during the winter, furnishing a delightful salad when other fresh vegetables cannot be had. The ideal place is in the cellar, where a temperature of near 60 degrees can be maintained and where absolute darkness can be had. Provide a bed or box, as space permits, at least 18 inches deep and put in 4 inches of loose soil. Set the roots about 4 inches apart each way, piercing the soil about 3 inches. Fill in between the roots until crown is just covered, packing the soil lightly. This row leaves about 8 inches which can be filled in with more light soil, or better, clean, sharp sand. Keep the bed absolutely dark by covering with an old carpet or boards, and water as necessary, but do not keep soggy. Heads are ready for use as soon as they show above the sand, which should be from two or three weeks. For indoor culture, the roots should be stored in a cool, dry place, covered with dry soil or sand.

Witloof (French Endive)—A delicious winter salad, eaten usually with French dressing like lettuce. Pkt., 10c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.00. 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., 5c.; oz., 15c.; ¼ lb., 40c. Postpaid.

Corn Salad or Feticus

A vegetable used as a salad. Sow the first opening of Spring for Summer use in rows 1 foot apart, and it is fit for use in six or eight weeks.

Large Leaved—Pkt., 5c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.00. Postpaid.

Zanahorias **Carrots** Morhen

Sow in early Spring in drills 15 to 18 inches apart, finally thinning the plant to 3 or 4 inches. If sown early on a 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 is lost. **One ounce sows 100 feet of drill. Four pounds sow one acre.**

CARROTS FOR TABLE USE

Improved Chantenay

(See Illustration Alongside)

A Popular and Profitable Sort to Raise for City Markets. 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 a splendid flavor. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market; its splendid table qualities keep it in demand. Our strain of seed is unsurpassed. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Oxheart, or Guerande

Intermediate length; is fully 3 to 5 inches in diameter; quality extra good. Some sorts require digging, but the Oxheart can be easily pulled. It is especially adapted to shallow soils, where the longer sorts would not thrive as well. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Early French Forcing

The earliest almost round variety, much used for first early forcing in hot beds. Color reddish orange, and bunches very nicely; used largely for market, as well as kitchen garden. Quality the best. Pkt., 5c.; oz., 15c.; ¼ lb., 35c. Postpaid.

Early Scarlet Horn

For forcing and early garden use; flesh deep orange, fine grained; agreeable flavor; small top stump-rooted; about 3 inches long. Pkt., 5c.; oz., 15c.; ¼ lb., 35c. Postpaid.

Improved Danvers (Half-Long)

See illustration alongside.

The best for general crop. Will yield the most per acre. Most profitable for market gardeners; stump-rooted. It is grown largely everywhere 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 flesh; sweet, crisp and tender. Although of medium length, it is one of the largest yielders, and while this is one of the leading table sorts, it is also used a great deal for stock feeding. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.

Improved Long Orange

The standard late variety, very handsome and uniform in shape; roots are of deep orange color, good flavor; yields very heavily. Requires a deep soil. Plants should stand 6 inches apart in drills 18 inches apart for roots to attain their full size. The roots are smooth, fine-grained and very large, growing to 12 inches in length and 3 inches in diameter. For feeding cows it is very valuable, as it increases the flow of milk and imparts to the butter a rich golden hue. Pkt. 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.

Nantes Half-Long (Stump-Rooted)

Sweet and fine flavored; almost without a core; very fine grained; excellent for the home garden or market. One of the finest in quality and sandomest in shape of the medium-sized sort, about 6 inches long. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

CARROTS FOR STOCK FEEDING

Too much cannot be said in praise of the Carrot as a wholesome addition to the Winter feed for stock, apart from its great value as a vegetable for table use. The splendid roots make a most desirable change of feed for your cattle when given in connection with grain and dry fodder. Plant plenty of Carrots for all purposes.

Improved Short White—Very large, half-long roots, 7 to 9 inches; nearly white. It is the heaviest cropper known. Pkt., 10c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Large White Belgian—A heavy cropping sort, growing about 12 to 16 inches in length. White below the ground, green above. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

SPECIAL PRICES ON CARROT SEED IN QUANTITY

Mr. A. W. Hyland, Guernsey Co., O., writes as follows: "This makes my third year for your seeds. The past two years they have shown up fine and I have no doubt this will be as good, or I would not be ordering them from you."

D. L. Kent, Tom Green Co., Texas, writes as follows: "I remember your seeds favorably, through my father (J. T. Kent, Shelbyville, Ky.) having used them for a number of years and I have never seen any produce equal to the 'True Blue.'"



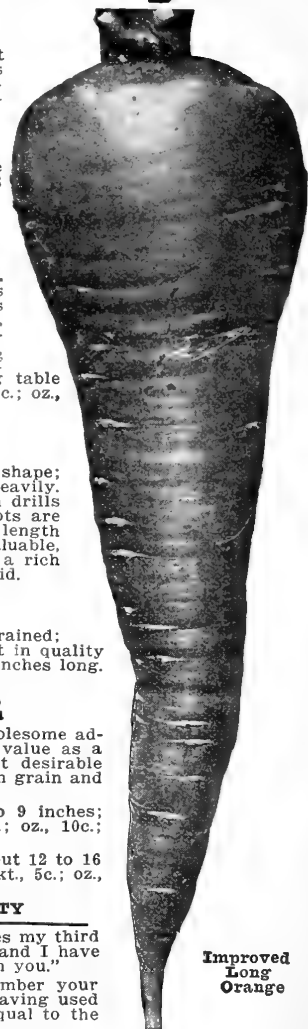
Improved Chantenay



Half-Long Danvers



Oxheart, or Guerande



Improved Long Orange



Emperor

Emperor

(See Illustration)

Emperor is a most distinct variety of outstanding merit. It is of true dwarf type and, therefore, much easier to blanch than the taller growing sorts. The plants average 15 to 18 inches in height, and the blanched part is 6 to 9 inches long. The stalks are smooth and very thick, some measuring 1/2 inch thru when cut. The color is white, the heart tinged with yellow. Unsurpassed in flavor, being decidedly nutty and crisp. "The largest, most solid, and finest nut-flavored celery grown." Pkt., 10c.; 1/2 oz., 25c.; oz., 45c.; 1/4 lb., \$1.50; lb., \$5.50. Postpaid.

Forms solid, crisp stalks of rich nutty flavor. Of strong growth; blanches easily to a rich yellowish white and is very brittle. A fine keeper for mid-winter use and an excellent shipper, retaining color and fresh appearance a long time. A favorite with Southern growers. Pkt., 5c.; 1/2 oz., 20c.; oz., 30c.; 1/4 lb., \$1.00; lb., \$3.50. Postpaid.

Winter Queen

Of short, stocky growth, with broad heavy stalks. An excellent variety for Winter use. When blanched, the stalks are of a creamy-white color and very attractive. Its flavor, crispness and long-keeping qualities combine to make this sort one of the best Winter varieties. Pkt., 5c.; 1/2 oz., 20c.; oz., 30c.; 1/4 lb., 85c.; lb., \$3.00. Postpaid.

Mr. A. E. Wiley, Hamilton County, Ohio writes: "I have bought seed from this house 40 years, am now 80, and am now raising plants only for myself."

Aplo Celery Sellerie

Celery Culture Celery can be successfully grown with but little labor, in any good garden soil, by using plenty of well-rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put in the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights, however, in low, moist, rich bottom land, or well-drained muck soil. It is usually grown as a second crop. Sow the seed in a hot-bed or cold frame, or in the open ground, as soon as fit to work in the Spring. Prepare the soil well before sowing, also keep quite moist until the seed germinates. To insure stalky plants, cut back to within two inches of the crown, when 4 inches high. Transplanting of the early sorts should be done about June 15th and from that on to Aug. 15, for the late varieties. Set plants in a single row, six inches apart, either on the level surface or in a shallow trench, giving them a good watering. The rows should be 3 feet apart where boards are to be used for blanching, or four feet apart where soil is used. One ounce of seed sown in flats produces about 8000 to 10,000 plants. Plenty of seed should be used so that the best plants may be selected for transplanting.

Columbia

An early maturing sort following Golden Self Blanching. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, color rich yellow tint. The foliage is a light shade of green with a tinge of yellow. Quality fine. Crop very short. Pkt., 10c.; 1/2 oz., 25c.; oz., 40c.; 1/4 lb., \$1.35; lb., \$4.75. Postpaid.

Golden Self-Blanching

This grand Celery is of French origin. It has the same self-blanching habit as White Plume, but is heavier and more compact, though not so early. Grows to good size, is very tender and free from strings, the heart large and solid, crisp, brittle, of excellent quality and of beautiful golden color.

American Grown Seed from French Stock Seed—Pkt., 10c., 1/2 oz., 30c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$6.00. Postpaid.

French Grown Seed—From one of the most careful growers. Pkt., 15c.; 1/4 oz., 35c.; 1/2 oz., 60c.; oz., \$1.10; 1/4 lb., \$3.75; lb., \$14.00. Postpaid.

White Plume

Stalks and portions of the inner leaves and heart are so nearly white naturally that tying or simply drawing the soil up against the plants will complete the work of blanching. It is very ornamental. Early, of good flavor and fine texture; adapted to Fall and early Winter use; a fairly good keeper up to the holiday season. Pkt., 5c.; 1/2 oz., 20c.; oz., 30c.; 1/4 lb., \$1.00; lb., \$3.50. Postpaid.

Easy Blanching

A new variety remarkably easy to blanch, which together with its being adapted to early use as well as storing for winter make it especially suitable for the home garden. Stalks white, thick, brittle and excellent flavor; plants strong, healthy grower crop short. Pkt., 10c.; 1/2 oz., 25c.; oz., 40c.; 1/4 lb., \$1.25. Postpaid.

Giant Golden Heart

Giant Golden Heart grows large and is a good keeper. Has a rich golden yellow heart; quality very good. Pkt., 5c.; 1/2 oz., 20c.; oz., 30c.; 1/4 lb., 85c.; lb., \$3.00. Postpaid.

Celeriac Turnip-Rooted Celery

Sow seed the same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. Earthing up is not necessary as the stalks and leaves are not used. The roots may be cooked or used as salad.

Giant Smooth Prague

A large, smooth variety and an excellent keeper. select stock, almost round. Pkt., 10c.; 1/2 oz., 20c.; oz., 30c.; 1/4 lb., 85c.; lb., \$3.00. Postpaid.

Herbert Thorpe Finellas Co., Fla., writing of celery bought of us, says: "Many weighed two and three pounds each. It was the most remarkable because it grew side by side with a cheaper grade of celery or rather that grown from cheaper seed and the difference was so marked because the value of the crop was far less."

A Stokesberry, Clinton County, Ohio, writes October 26, 1920 as follows: "I desire to say that I have never found any seed company that ever treated me more fairly than you do. You cannot be beat for square dealing"

Mrs. Harley Wikoff, Fayette County, Indiana, writes on January 26th, 1918, as follows: "Please send me your seed catalogue. Your seeds were the best I planted last year."

T. R. Gorton, 10 Berry St., Norwich, N. Y., writes: "I have been trying three years to find something to beat them, but haven't yet. I raise them for my own use, also sell plants."

Maiz dulce **Corn, Sweet or Sugar** Speise Mais

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 2x3 feet apart for the early kinds, and 3x3 feet for the large late sorts, using 4 or 5 grains to the hill. Give frequent and thorough cultivation all the season. A pound of Sweet Corn contains about 2000 grains. **12 to 16 pounds will plant an acre.**

SWEET CORN PRICES in quantities up to and including 2 pounds include prepayment of postage. If the largest quantities are wanted sent by mail, it will be necessary to remit additional amount at the Parcel Post rates. Refer to page 3 for rates. Ask for wholesale price on large lots.

Early Dighton

This new variety is the earliest of all white Sweet Corn even earlier than the Extra Early Adams. The stalks are 3 to 4 feet high, with the ear set low down on the stalk. Ears are 6 to 7 inches in length and most all carry 8 rows of grains. The quality is very good for so early a sort. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 65c., postpaid. By express, not paid: 6 lbs., \$1.35; 12 lbs., \$2.40; 48 lbs., \$9.00.

Metropolitan

The plant is distinct, being very strong of stalk, growing about 5 to 6 feet in height. The ears are from 8 to 9 inches long, and are set low on the stalk. Ears are well filled with large white deep and very sweet grains. Follows extra early sorts in ripening. Pkt., 10c.; * lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 90c.; 12 lbs., \$1.60; 48 lbs., \$5.75.

Aristocrat

Follows Mammoth White Cory in season. A very desirable variety with exceedingly large ears for an early dwarf sort, ears 8 inches long, with very broad sweet grains; very productive. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 55c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.75; 48 lbs., \$6.25.

Extra-Early Premo

Premo can be planted very early on account of its hardness. The stalks grow about 5 feet high, and are very vigorous, generally bearing two well-developed ears to the stalk. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 85c.; 12 lbs., \$1.50; 48 lbs., \$5.50.

Livingston's Earliest on Earth

The earliest of all golden sorts, and while the quality is not quite so good, it sells well in its season. It comes into bearing in about 65 days. Ears run about 6 inches in length in roasting ear stage. On account of extreme earliness, other crops may be easily secured on same ground the same season. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 55c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.65; 48 lbs., \$6.00.

Golden Bantam

One of the finest in quality. Ears are about 6 inches long, eight rowed, filled with broad, sweet, golden yellow kernels of a delightful flavor. It is as early as the Cory and of much better flavor. It is **always** good, whether planted in the Spring or during the Summer. We confidently advise all lovers of a real good Sweet Corn to give "Golden Bantam" a trial. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 55c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.65; 48 lbs., \$6.00.

Golden Giant

It is a little later and quality is not quite so good as Golden Bantam. It is larger however and of good quality. A good market sort. The color is not as deep golden. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 90c.; 12 lbs., \$1.60; 48 lbs., \$5.75.

Livingston's Early Sugar

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 2¼ 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. A remarkable characteristic of Livingston's Early Sugar is the exceptionally strong husk which protects the ears from ravages of insects. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 55c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.65; 48 lbs., \$6.00.

Whipple's Early

(See Illustration)

Of the Narrow Grained Evergreen type, but ready for use much earlier. Ears 8 to 9 inches long, 16 to 18 rows of pearly white grains. The chief distinction of this variety is that it is by far the earliest of the deep narrow grained Evergreen types and has a larger sugar content. Pkt., 10c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 60c., postpaid. By express, not paid: 6 lbs., \$1.20; 12 lbs., \$2.00; 48 lbs., \$7.50.

Extra-Early Adams

Hardest and earliest Corn. It is not a Sugar Corn, but is grown for early use only. Ears short; kernels very white. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.40; 48 lbs., \$5.00.

Early Adams

Similar to Extra-Early Adams; ear somewhat larger, but not quite so early; is good for early table use. Like the above, is hardy, and can be planted early. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.35; 48 lbs., \$4.75.

Golden Cream

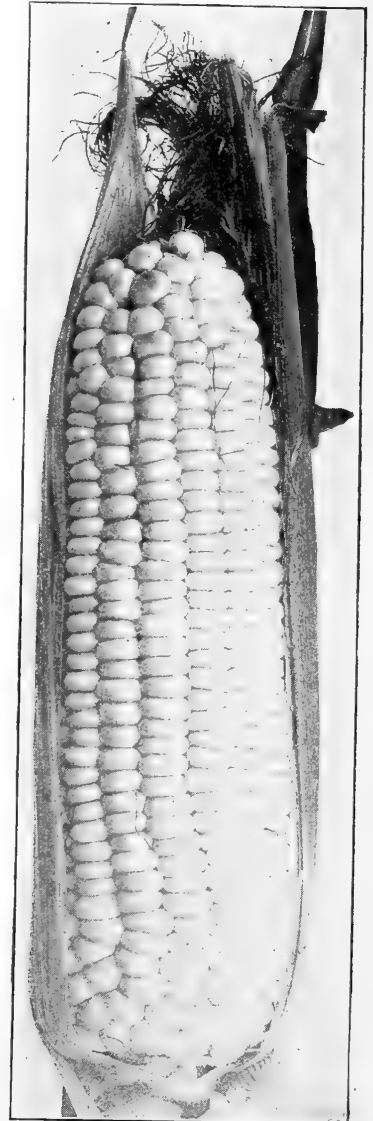
A Golden Country Gentleman

The good old Country Gentleman Sweet Corn has always been recognized as the sweetest of all the late varieties. Now in this New Golden Cream we have the Golden Bantam and Country Gentleman united, retaining all the sweetness and fine flavor of both, also the color of Golden Bantam, but lighter yellow, and the irregular rows of Country Gentleman. The Golden Cream matures later than Golden Bantam. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 90c.; 12 lbs., \$1.60; 48 lbs., \$5.75.

Bantam Evergreen

A Golden Evergreen

In crossing these two excellent varieties, Golden Bantam and Stowells Evergreen, none of the good qualities of either has been lost. It comes in just right in season to follow the first early sorts. Color a rich golden yellow. Ears about 8 inches long. Pkt., 10c.; ½ lb., 20c.; 1 lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 90c.; 12 lbs., \$1.60; 48 lbs., \$5.75.



Whipple's Early

Sweet Corn (Continued)

Kendel's Early Giant

The ears are large, measuring 8 to 9 inches long, thick throughout, with ten or more rows of plump and purest white kernels that are of most delicious flavor. It is ready to use in sixty-five to seventy days. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 80c.; 12 lbs., \$1.45; 48 lbs., \$5.25.

Livingston's Broad-Grained

Very Broad and Sweet

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 grains are simply enormous when in the roasting ear stage. The ears are of eight-rowed type and 7 or 8 inches long with white cob. It matures about a week later than the Extra-Early varieties. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 80c.; 12 lbs., \$1.45; 48 lbs., \$5.25.

Livingston's Evergreen

(Red Cob)

A general favorite for family use, as well as market purposes. It is a first-class second-early sort. Productive, large, well-filled ears, with broad kernels and small cob, filled well over tip. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.40; 48 lbs., \$5.00.

Livingston's Evergreen

(White Cob)

This is our old Livingston's Evergreen (described above), with a white cob. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 80c.; 12 lbs., \$1.45; 48 lbs., \$5.25.

Early Evergreen

An early strain of Stowell's Evergreen which it resembles but is ready for use much earlier and remains in good condition equally as long. The ears grow to a good size, usually about 7 inches long, and contain from 16 to 18 rows of deep, sweet grains. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.40; 48 lbs., \$5.00.

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; very productive. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 85c.; 12 lbs., \$1.50; 48 lbs., \$5.50.

White Evergreen

Stalks very vigorous, 6 to 7 feet high. The ears are uniformly very large and well-filled. When in the green state both cob and kernel are white as snow. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.40; 48 lbs., \$5.00.

Narrow-Grained Evergreen

A selection of Stowell's Evergreen, retaining its large size and productiveness and adding the delicious sweetness of Country Gentleman. The market gardener should find ready sale for this large, medium late sort. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.65; 48 lbs., \$6.00.

Columbus Market

(See illustration below)

Ready for table with the second earlies. The ears 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, sturdy and of only medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance during a dry time. Especially adapted for mid-season market; also very desirable for the home garden. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 85c.; 12 lbs., \$1.50; 48 lbs., \$5.50.

Howling Mob

Howling mob is one of the best flavored and most tender of all medium early white Sweet Corn. The ears are 7 to 8 inches long with 12 to 14 rows of pure white grains. Most stalks produce two well developed ears and thus it is more productive than many other sorts. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 80c.; 12 lbs., \$1.45; 48 lbs., \$5.25.

Country Gentleman

One of the Richest Flavored of all the late varieties. As a table Corn this is the most luscious of all late varieties. The plump, pearly-white kernels are of great depth, and most delicious. Ears average 9 inches long by 2 inches in diameter. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., \$1.00; 12 lbs., \$1.65; 48 lbs., \$6.00.

Extra-Early Cory

(White Cob)

Ears six inches in length with eight rows of broad grains. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 85c.; 12 lbs., \$1.50; 48 lbs., \$5.50.

Mammoth White Cory

Extra-Early with ears of larger size, and about 7 inches in length. Cob and kernel are pure white. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 90c.; 12 lbs., \$1.60; 48 lbs., \$1.50.

Black Mexican

One of the sweetest varieties, color when in roasting ear, purple and white; very beautiful, a fine late sort. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not paid: 6 lbs., 85c.; 12 lbs., \$1.50.

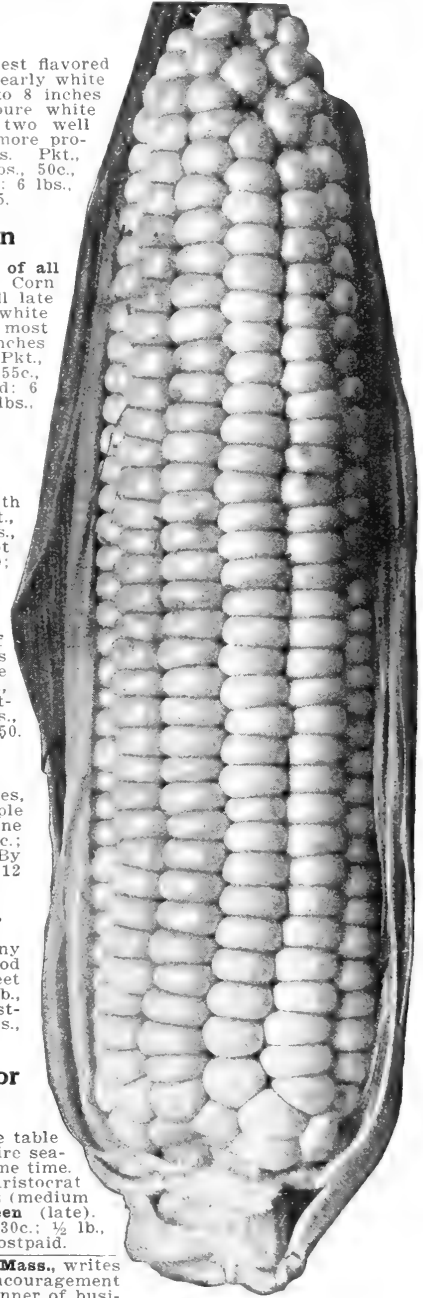
Mammoth Late Sugar

Produces larger ears than any other Sugar Corn and of good quality; a rich, and very sweet late variety. Pkt., 10c.; ½ lb., 15c.; lb., 25c.; 2 lbs., 45c., postpaid. By express, not paid: 6 lbs., 75c.; 12 lbs., \$1.40; 48 lbs., \$5.00.

"4 Best" Sweet Corns for Home Gardens

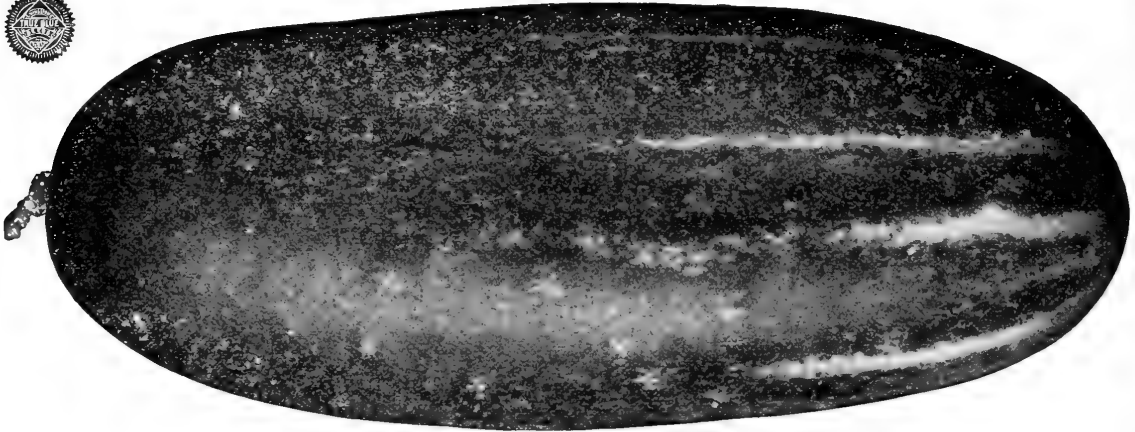
This collection will supply the table continuously throughout the entire season even if planted all at the same time. **Golden Giant**, (first early); **Aristocrat** (second early); **Columbus Market** (medium late); **Narrow-Grained Evergreen** (late). One large packet each of above 30c.; ½ lb., each 70c.; 1 lb. of each \$1.00. Postpaid.

Thos. H. Spafford, Bristol Co., Mass., writes as follows: "It may give you encouragement to know that your seeds and manner of business has always given me the greatest satisfaction. Wishing you every success."



Columbus Market

Cucumber



Livingston's Extra-Early White Spine

How to Grow Cucumbers

Cucumbers require rich, sandy soil, but do quite well in almost any good garden, especially if some fertilizer is mixed in the soil where the hills occur.

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 one-half an inch deep, smoothing the hill off with the hoe. When the plants are out of danger of insects, thin out to three or four plants to a hill. The seed may also be sown in rows 6 feet apart, with the seed every few inches in the row, thinning out when plants are large enough to withstand the bugs. For pickles, plant from 1st of June to 1st of August. 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; one to two pounds to the acre.**

Klondike

Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with Southern planters for shipping to the Northern markets. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.15. Postpaid.

Arlington Improved White Spine—One of the earliest 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., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.15. Postpaid.

Extra-Long, or Evergreen White Spine—Averages longer than other strains. Extra fine shape and quality; makes a good pickle; used extensively for growing under glass. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Fred Thompson, Middleport, Ohio, writes:

"This will inform you that we received the seed order all right. We grew seed from your Company last season, and am very much pleased with them."

Livingston's Extra-Early White Spine

This private strain we have had for many years, and it is the most thoroughbred, uniform and shapely variety of White Spine known, not only for first early, but for general crop as well. Excels in earliness. Vines are vigorous growers. The very best for slicing, and make choice pickles, straight and smooth; a great bearer; keeps green much longer than the yellow varieties; no sort excels it in crispness and flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40. Postpaid.



Livingston's Evergreen Pickling

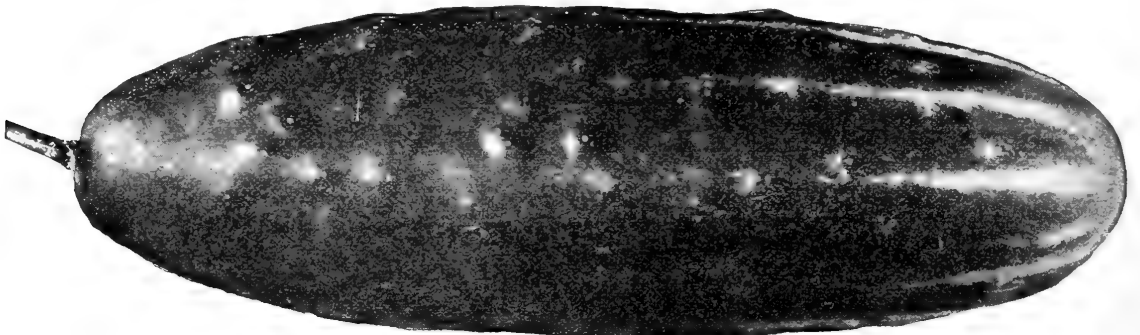
(Introduced by us in 1890.) Generally admitted to possess every qualification required in a perfect pickling cucumber. Exceptionally productive. One grower says it bears "four to one," compared with many standard sorts. It is a very strong grower, extra-early and bears firm, crisp, evergreen fruits, which are excellent for slicing also. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40. Postpaid.

Early Fortune

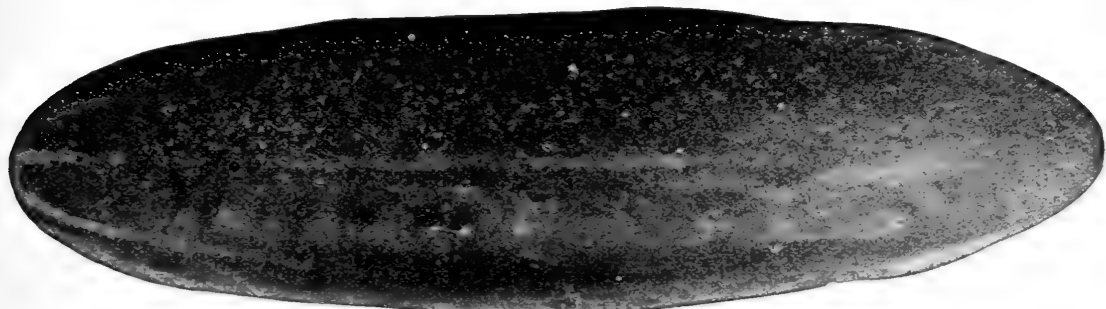
A fine new variety of White Spine Type; the fruit is of uniform size and shape and is of very firm texture, thus permitting long distance shipping. Popular in south. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.

Earliest of All

An extra early, prolific, desirable White Spine much in favor in the south for early shipment to northern markets. Fruit very full and uniform, tapering slightly but abruptly at both ends; color a good deep green. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Postpaid.



Early Fortune



Davis Perfect Cucumber

Davis Perfect

By using this variety gardeners can produce out-of-door Cucumbers that will sell in the market for hothouse forcing varieties. The shape is ideal, tapering at both ends as shown in our illustration. 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 out-doors. Grows a fine pickle. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid

Improved Long Green

(See illustration below.) The vines are very strong growing and productive. The fruits are quite long, averaging 10 to 12 inches in length, and dark green in color. This sort is very popular both as a slicer and for pickles. One of the best general purpose Cucumbers. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.40. Postpaid.

Westerfield Chicago Pickling

Popular with Chicago gardeners. Medium length, slightly pointed at ends; large, prominent spines; deep green. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., 1.10. Postpaid.

Green Prolific, or Boston Pickling

Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Jersey Pickling

Intermediate between Long and Short Green. Long, slender, cylindrical; crisp and tender. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Gherkins (True West India)—Used only for pickles. Fruits small and oval, about 2x1¼ inches; covered with spines, color light green. Pkt., 5c.; oz., 25c.; ¼ lb., 70c.; lb., \$2.25. Postpaid.

"Lemon" Cucumber—A desirable variety, having a strong resemblance to a lemon in its size, shape and color. Pick just as it turns yellow, and they make fine sweet or sour pickles. They may also be used as containers for stuffed pickles. Pkt., 5c.; ½ oz., 15c.; oz., 25c.

Karl Schmidt, Harris County, Texas, writes: "I am sending you an order for some more of your seeds. I can tell you one thing you all sure have fine seeds."

Mary Qwencez, Floyd County, Ind., writes: Received my order of seed, am thanking you for such prompt delivery on so small an order, as I have just a small garden. Will report results later.

Livingston's Emerald

(Introduced by Us in 1897)

A dark-green Cucumber that will hold its color. It is strictly an evergreen, retaining its color until quite ripe, making it very attractive. The plant sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. As a slicer the flesh is perfectly crisp and tender, and the flavor most pleasing. The young fruit is dark green, straight, slender and almost spineless; makes an excellent pickle, and when ripe none excel it for making sweet pickles. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Vickery's Forcing

Rich, dark green in color, immense cropper. A choice variety for hothouse growers; also hard to excel for outdoor cultivation. Pkt., 10c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.90; lb., \$6.50. Postpaid.

Early Frame, or Short Green

A popular early variety of medium size and good shape; excellent sort to produce small pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Nichol's Medium Green

Introduced by us in 1883. Color dark green; flesh crisp and tender; medium size; straight and smooth; a real handsome and prolific variety. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Early Green Cluster

Short and prickly; bearing in clusters of two and three pickles of small size, prolific; fine for bottling. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Dandelion

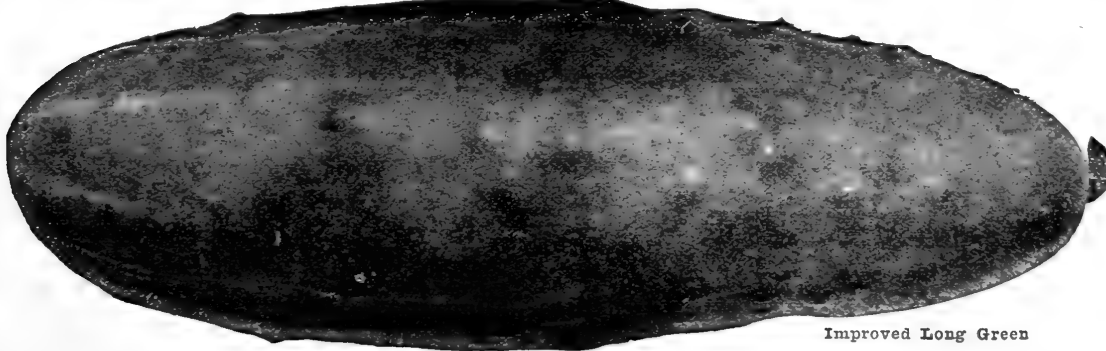
Sow in May or June, in warm, rich, soil, in drills half an inch deep and 18 inches apart. Some of the plants will be ready for use in September, balance the following Spring. Make delicious greens. One ounce will sow 150 feet of drill.

Large-Leaved—Leaves fully double the size of the common Dandelion. Years of the most careful cultivation have developed a very fine strain of seed. Pkt., 15c.; ½ oz., 40c.; oz., 75c. Postpaid.

Common Cultivated—Pkt., 10c.; ½ oz., 30c.; oz., 50c.

Dill

Sow early in the Spring, thinly in rows about 18 inches apart for hand cultivation or 30 inches apart if to be cultivated with horse. Cover seed about ½ inch. Dill is used in large quantities in the making of Dill Pickles; also for flavoring vinegar. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.



Improved Long Green



Livingston's Mammoth Purple Egg Plant

Berenjena Egg-Plant Eierpflanze

How to Grow Egg-Plant

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 two 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 abundance of water until the ground 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 decrease the supply of water; transplant to the open ground late in May or June, into warm, rich soil, 2 to 3 feet apart each way, according to the richness of the ground. When about a foot high, draw the earth up to the stem. **One ounce of seed produces about 1500 plants.**

Black Beauty

From ten days to two weeks earlier than the purple varieties, and of rich, lustrous, purplish black color, and is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits. The fruit is very attractive in appearance. This variety is entirely spineless. Quality the very best. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

New York Improved Large Purple

A leading variety; fruit very large, oval shaped, smooth, deep purple; flesh white and a good quality. The seed we offer is a very fine strain of this popular sort. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Florida High Bush

A large fruited purple sort; very popular with Southern growers. Fruit is held well up off the ground. A splendid shipper and finds ready sale. The plant is vigorous, quite productive, drought resisting and stands wet weather well. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.45; lb., \$5.25. Postpaid.

Mrs. E. M. Zwahlen, Muskingum County, Ohio, writes on February 18th, as follows: "Kindly send me two of your Dollar Collection 'True Blue' seeds. My relatives want one Collection. Friends and neighbors were amazed at my garden last year, it was planted with 'True Blue' seeds."

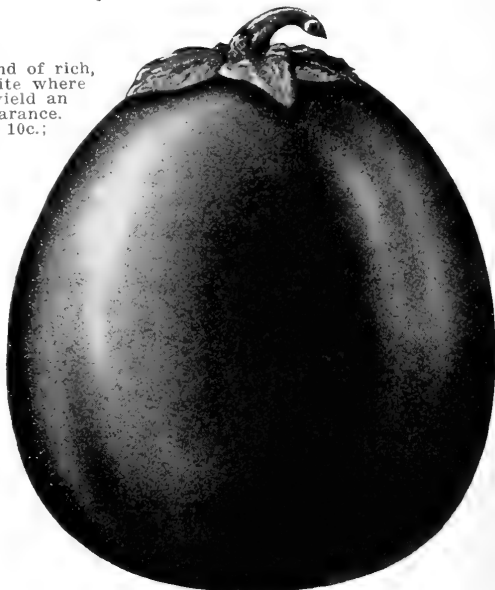
Mrs. Jeanette Roose, Trumbull County, Ohio, writes: "All the seed I have gotten from you are simply fine. My garden was very fine, in fact, the finest in our town, and my flowers were all too beautiful for words. I hope I have them just the same, or more this summer."

Mr. Geo. G. Mellor, Victoria, British Columbia, writes on March 1st, 1918, as follows: "Your \$1.00 Collection arrived O. K. Splendid value for the money."

Livingston's Mammoth Purple

(See illustration above of typical fruits grown on "True Blue" trial grounds)

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. The fruit is uniform in color and shape, very large, usually 6 to 8 inches in diameter, but sometimes specimens are grown measuring 10 inches. Skin, a handsome dark purple, smooth and glossy. Flesh white, of superior quality. **Selected Seed**—Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.



Black Beauty



Large Green Curled Endive

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 an (*) are perennials.

	Pkt.	Oz.		Pkt.	Oz.
Anise	5c	10c	*Peppermint	10c	
*Balm	5c	20c	*Rosemary	5c	35c
*Caraway	5c	10c	Sage page 39	10c	50c
*Catnip, or Catmint 5c	30c		Summer Savory	5c	20c
*Coriander	5c	10c	Sweet Basil	5c	15c
Dill page 19	5c	15c	Sweet Marjoram	5c	20c
*Fennel, Sweet	5c	10c	*Thyme	5c	35c
*Fenouand	5c	20c	*Wormwood	5c	25c
*Lavender, Sweet.....	5c	20c			

Garlic Sets

Garlic Sets or Bulbs are planted in early Spring in rows 12 inches apart, placing the sets 4 inches in the rows, 2 inches deep, or in the same manner as Multiplier Onions. Garlic is used for flavoring purposes. Bulbs, oz., 10c.; ¼ lb., 20c.; lb., 60c. Postpaid.

Breton Kale, or Borecole Blatterkohl

Kale, or German Greens, do not form heads, but furnish 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 sows an acre.

Dwarf Green Curled German Greens, or Sprouts—Is very dwarf and spreading. The leaves are beautifully curled and of a bright green color. Quite hardy. Pkt., 5c.; oz., 5c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Siberian Kale—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., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Carroll L. Hancock, Franklin Co., Vermont, says March 1st, 1920, I have been growing your seed for two seasons and they yield the best in quality and quantity of any seeds I have ever grown.

Prices quoted in this catalogue are subject to change without notice.

Endivien Salat **Endive** Endibia o Escarola

For an early crop, sow in April in drills 15 inches apart, and later thin the plants to stand 12 inches apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and trim them by their tips to blanch the heart. One ounce of seed will sow 150 feet of drill.

Large Curled Pancelier—Erect grower, early, large, very finely curled, productive and with rose colored ribs. Center so dense that it blanches itself. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Fine Green Curled—Hardy variety. Deep green leaves, beautifully cut and curled; easily blanched. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

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., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Broad Leaved Batavian—Broad, thick and slightly wrinkled leaves; form very large heads, which are much used in soups. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Kohl Rabi, (Turnip Rooted Cabbage)

Col rabano o Nabicol Kohlrabi
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 seeds sows 300 feet of drill.

Early White Short Leaved

An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Early White Vienna

Greenish white outside, with clear, white flesh within. Fine in quality. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Early Purple Vienna

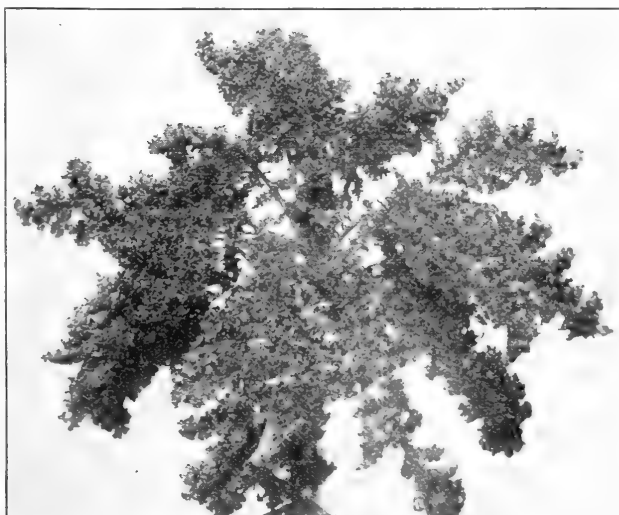
Same as above, except in the outside color. Pkt., 5c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Puerro **Leeks** Porree oder Lanch

Cultivation the Same As for Onions

Broad Scotch, or London Flag—A hardy kind; large strong plants with broad leaves. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 70c.; lb., \$2.25. Postpaid.

Large Musselburgh (Carentan or Scotch Champion)—Favorite market sort of enormous size; large, broad leaves; flavor is very mild. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 70c.; lb., \$2.25. Postpaid.



Siberian Kale

Lettuce

Culture—For early Spring use, sow in a seed bed in September or October, and protect through the Winter in cold frames or in the South with leaves or litter, or sow in a hot-bed 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 18 inches apart, covering seed $\frac{1}{4}$ inch deep with fine soil, and when well up thin to 12 inches 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.**

Iceberg

A beautiful Lettuce, with large, curly leaves of a bright light green, with a very slight reddish tinge at the edges. Handsome heads, unusually solid because of the natural tendency of the large, strong leaves to turn in, which also causes thorough blanching. Crisp, tender and fine flavor. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

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 when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name, **Livingston's 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., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00. Postpaid.

All Heart

This excellent variety of Lettuce is in favor with both private and market gardeners. 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 and is adapted for both Spring and Summer use. It withstands heat and forms large heads, leaves closely set, with solid heart, even before it is fully grown. Color yellowish-green; flavor rich and buttery. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.



Big Boston

Selected Big Boston

(White Seeded)

A very desirable large variety for forcing in cold-frames and for out-door planting. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. 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 of a pleasing light-green color, firm and of superior quality. When grown in cold-frames, the heads are not as tight as when grown outside. One of the best market varieties we know. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

Improved Hanson

None more reliable for out-door cultivation. Heads grow to a remarkable size, resembling that of a flat cabbage. Extremely 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. In our trial grounds with dozens of other sorts, it withstood Summer heat the best. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50. Postpaid.

May King

The May King is an early variety of head lettuce. It is not easily affected by cold or wet weather, grows very quickly and produces even in poor soil fine medium sized heads, early in the Spring. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

Prize Head

Large heads; even the outer leaves are crisp and tender; light green, tinged with brownish red. Superb flavor; very hardy; very fine for home use; too tender to ship any great distance. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

Deacon

This Lettuce does not grow as large as some sorts, but has few outside leaves; grows very solid and of delicious buttery flavor. Center of head blanches to bright yellow shade; very crisp and tender, remaining so for a long time, even in hot weather. One of the finest Summer sorts. Pkt., 5c.; oz., 15c. Postpaid.

Unrivaled

A selection from Big Boston. 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. The Unrivaled is very similar in appearance to Big Boston, but does not have the red tinge at the outer edge of the leaf. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00. Postpaid.



Unrivaled

Selected Grand Rapids

Especially Adapted for Greenhouse Culture in Winter
Also a Good Lettuce to Sow Outside
Early in the Spring

Our Stock of This Variety is Extra Fine and is Greenhouse as Well as Outdoor Tested for Purity

Grand Rapids 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. The seed should be sown more shallow than other sorts, otherwise it may not germinate. Our strain of Grand Rapids is extra fine, and besides we grow it in greenhouses to test for purity before sending out. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Black-Seeded Simpson

Is very popular among market gardeners, and fine for the home table. Forms a large, loose head. Its nearly white, curly leaves are large, thin, very tender and of good quality. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

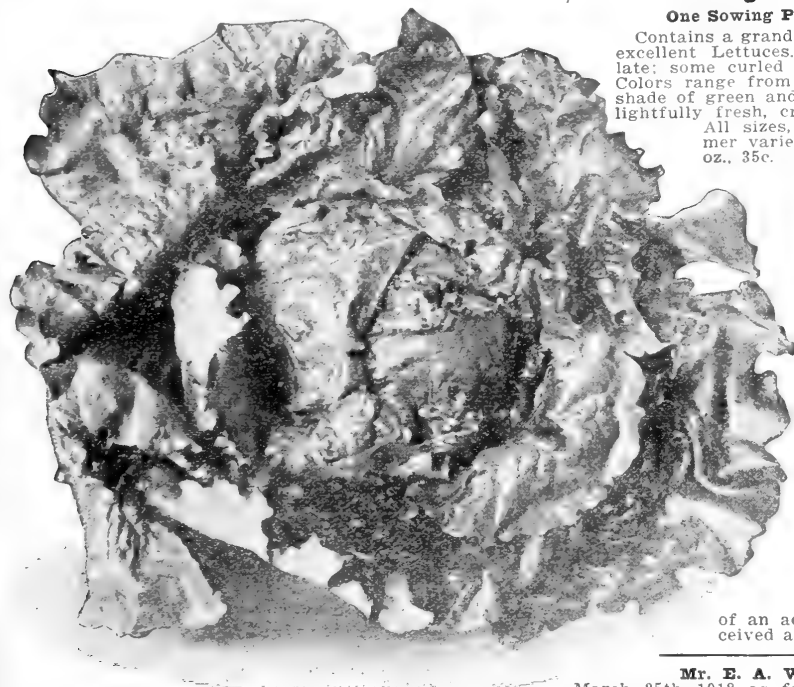
Early Curled Simpson

A leading early sort; does not head, but forms a compact mass of curly leaves of light yellowish green. Very tender and crisp. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

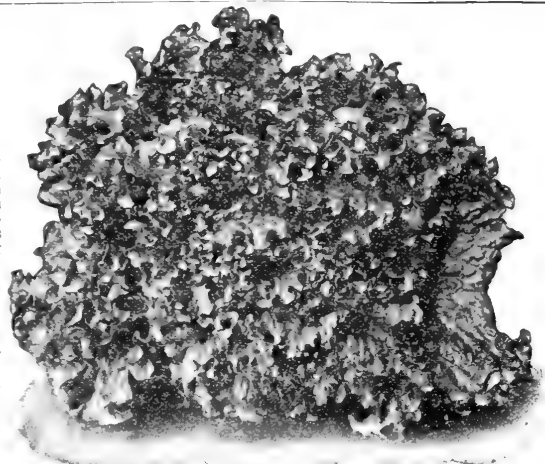
Wonderful (New York)

This splendid mammoth heading and long-keeping variety has been grown to weigh 6 pounds to the head; frequently weighs 2 or 3 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., 5c.; ½ oz., 20c.; oz., 30c.; ¼ lb., 85c.; lb., \$3.00. Postpaid.

Mr. O. L. Bead, of Pueblo Co., Colo., writes under date of Oct. 13th, 1918: "Last July I ordered head lettuce seed (Wonderful) of you. Scarcity of labor and other unfavorable conditions prevented it having a fair chance. But with all these drawbacks I am now cutting very fancy stock. I never had a crop heading more uniformly or more solidly."



Wonderful (New York)



Grand Rapids

Celery Lettuce

Trianon Cos.—This variety is the finest of the Cos or blanching sorts. The long, narrow leaves, which form solid heads, like Early Jersey Wakefield Cabbages, blanch and become snowy white. Excels in quality and crispness. The leaves, when blanched, are stiff like celery, and can be eaten in the same manner. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Improved Salamander—Large, compact heads; color light green, shading to white at the center; leaves thick, smooth, tender and of fine quality. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Early White Cabbage, or Phila. Butter—This old reliable variety is very tender, has large, solid, greenish white heads and stands the heat extremely well. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Livingston's Lettuce Mixture

One Sowing Produces Salad for the Season

Contains a grand assortment of decidedly distinct and excellent Lettuces. They mature early, medium and late; some curled and crimped, others produce heads. Colors range from almost pure white, though delicate shade of green and yellow to rich golden. All are delightfully fresh, crisp, tender and of excellent flavor. All sizes, from early to the mammoth Summer varieties. Liberal Pkt., 10c.; ½ oz., 20c.; oz., 35c.

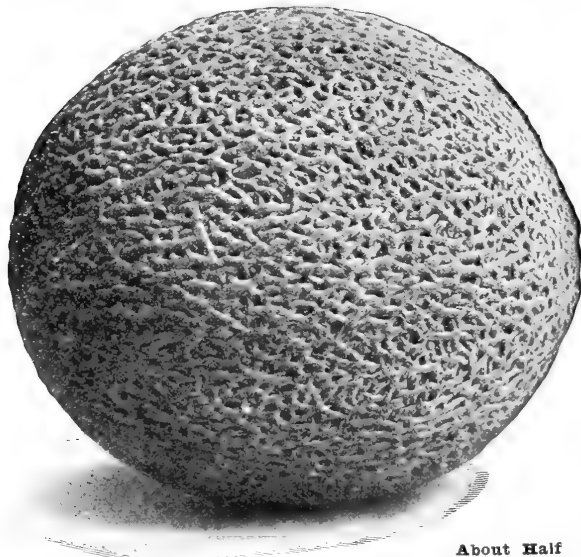
Special Lettuce Collection 10c

One full-sized packet each of the following: May King, Selected Big Boston, Early Curled Simpson, Deacon, for 10 cents.

Mrs. W. E. Higgs, Green Co., Pa., writes, Jan. 21, 1918: "Your seeds are grand. I would buy no other. The New York Lettuce simply can't be beat."

E. Bushyager, Westmoreland Co., Pa., writes as follows Feb. 4, 1920: "I have been using your seeds since I was 15 years old. I am now 60. Thirty years ago I had great success with Musk Melon. The blight knocked us out later and the last ten years I did not plant until last season. I planted a small patch of Tip Top (Livingston's) and Ohio Sugar. They did exceedingly well and quality extra. Had not over ¼ of an acre if that. Sold \$100.00 worth. received as high as 50c each."

Mr. E. A. Walker, Bristol Co., Mass., writes on March 25th 1918 as follows. "Received your seed O. K. Pleased with your prompt delivery. Thanking you for same, I remain, yours truly."



Pollock's No. 10-25

Pollock's No. 10-25

Pollock's No. 10-25 is the latest improvement or selection in this type of melon and should take the place of Rocky Ford Pink Meat or Pollock's No. 25, Eden Gem, etc. Its merits are its uniformity of size of fruit, fine keeping and shipping qualities and attractive appearance. See illustration. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Rocky Ford Pink Meat

Pollock's No. 25

Beautifully netted, but the flesh is pink or salmon. Its shipping and eating qualities are excellent. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Delicious Gold-Lined Rocky Ford

The shape is ideal, being slightly oval, and it is heavily netted over the entire surface. The flesh of the entire Melon is noticeably thick, fine grained and sweet. The color is green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Rocky Ford

An improved Netted Gem Melon with sweet, green flesh. In the hands of the Rocky Ford (Colorado) growers it has made that state famous in Eastern Markets for melons of unequalled quality. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Emerald Gem

Ripens early; medium size; nearly round; flesh a delicate light salmon color, 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., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

Honey Dew

A Delicious New Melon

Its name has been well chosen, as it is about as sweet as Honey. The average size is about six inches in diameter, and they weigh five to six pounds. The skin is smooth with little netting, and of creamy yellow when ripe. It is very thick, melting, fine grained and can be eaten almost to the rind, and the seed cavity is quite small. We offer Honey Dew in both Green and Salmon flesh. The illustration represents both varieties.

Green Flesh. Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.65. Postpaid.

Salmon Flesh. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 70c.; lb., \$2.25. Postpaid.

August H. Flasbart, Northampton Co., Pa., writes as follows: "Enclosed you will find a P. O. money order for my seeds. The seeds I purchased from you last year were very satisfactory to me. Hoping to receive the same grade of seeds and the same service as last year."

Musk Melons 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 be also 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 of seed will plant 60 hills; 2 to 3 pounds will sow an acre.**

Greeley Wonder

This melon came to our notice a few years ago at Greeley, Colorado, and we at once saw its merits and decided to offer it to our trade. Melons are quite large, averaging 4 to 5 pounds; nearly round and having a very heavy netting. Flesh is quite thick and fine grained. It has Salmon flesh equal to that of Osage in quality. We would class it among the later maturing sorts. Anyone desiring a large Salmon-fleshed melon of quality will be pleased with it. Pkt., 10c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.00. Postpaid.

Acme, or Baltimore Nutmeg

Has a beautiful, heavily netted, green skin; good size; shape is oval, slightly ribbed; flesh thick, green, smooth, very finely flavored. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.35. Postpaid.

Burpee's Netted Gem

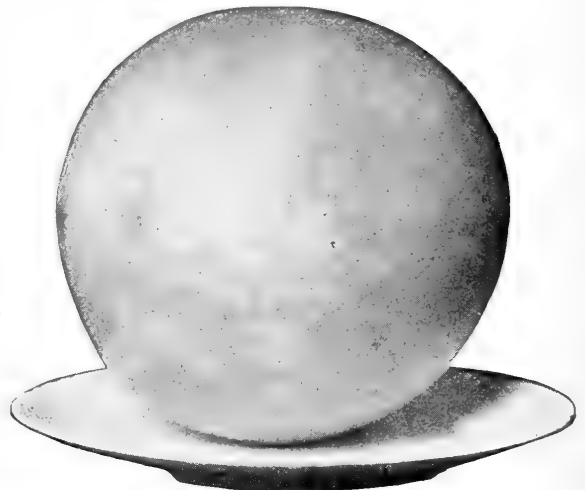
This very early Cantaloupe Melon is one of the most delicious. Small and round in shape. Firm, green flesh. Sweet almost to the rind. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Long Island Beauty

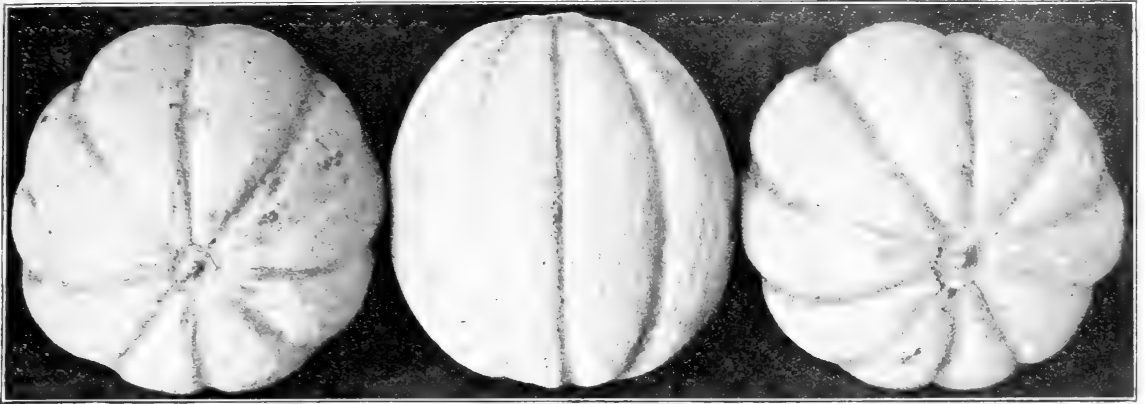
A variety similar to Hackensack but not so deeply ribbed. Melons are large, deep ribbed and heavily netted. Flesh a clear green and of high quality. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

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., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.



Honey Dew Muskmelon



Illustrating both Livingston's Tip Top and Livingston's Ohio Sugar

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 (but not hard) 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 attractively bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.65, postpaid. By express, not paid: 5 lbs., \$7.50.

Hoodoo

The vine is quite vigorous, resisting blight better than most other sorts, and is very productive. The fruits vary slightly in shape, averaging nearly round, quite like the **Netted Gem**. The netting is distinctive in being exceptionally dense and fine, and it extends over practically the entire surface. The rind, although thin, is so very firm that the **Hoodoo** is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Perfection

(**Princess**)—Medium size with dark green skin but heavily netted; flesh a rich orange color; very sweet. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.65. Postpaid.

Extra Early Hackensack

Produces two weeks earlier than the well-known **Hackensack**; heavily netted, and has light green flesh of most delicious flavor; a splendid **Cantaloupe** melon. Good keeping and shipping sort. Large, fine form. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Hackensack (Turk's Cap)

A very large green fleshed melon of good quality; nearly round but flattened on the ends. Ribs are deep and the surface is covered with a dense netting. Hardy and productive. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Osage, or Miller's Cream

A favorite salmon-fleshed variety. Large, oval, slightly ribbed and netted; skin is very dark green. Flesh is very thick and sweet flavored, most delicious to the rind. The whole crop is very even and fruit extra heavy, owing to this thickness of the flesh. A great favorite for both market purposes and the home garden. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. 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**. One of the very best melons. Pkt., 10c.; oz., 20c.; ¼ lb., 65.; lb., \$2.00. Postpaid.

Livingston's Ohio Sugar

A Green-Fleshed Tip Top

Introduced by Us in 1908—**Livingston's Ohio Sugar Melon** is an absolutely distinct and very superior Melon. It is the result of careful hybridizing and painstaking selection and breeding. It is one of the sweetest and most luscious green-fleshed cantaloupes now on the market. It is 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. It is distinctly ribbed and well netted—color of skin grey-green. Because of its firm flesh and solidity, it is a splendid shipper. Seed cavity is small. It is the rarest exception that an under-quality Melon is found. The flesh is an attractive green of exquisite texture, sugary, juicy, tender, and entirely free from stringiness. Handsome and uniform shape; market and home-garden Melon. Produces good Melons on a great variety of soils. Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75, postpaid. By express, not paid: 5 lbs., \$8.00.

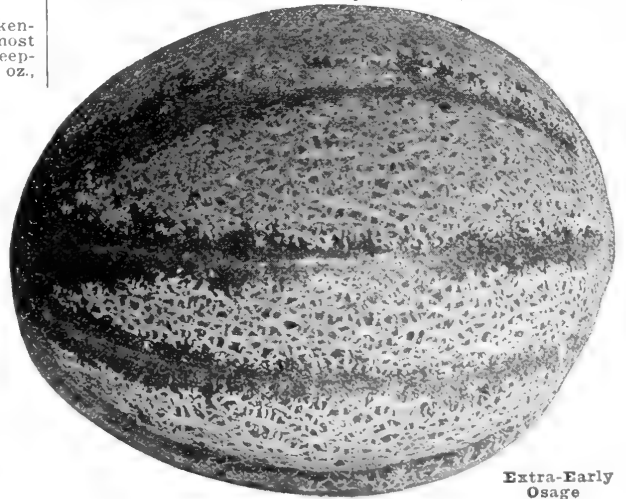
Burrell's Gem

(**Ordway's, or Osage Gem**)—A superior orange-fleshed shipping melon. Of splendid flavor, sweet and aromatic, oblong in shape, fruits average 6 by 4 inches, smoothly rounded ends closely netted and slightly ribbed, dark green skin. The rind is thin; flesh exceptionally deep rich salmon-orange color. Very fine for marketing. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Extra Early Knight (Sweet Air)

An extremely 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. Quality good. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75. Postpaid.

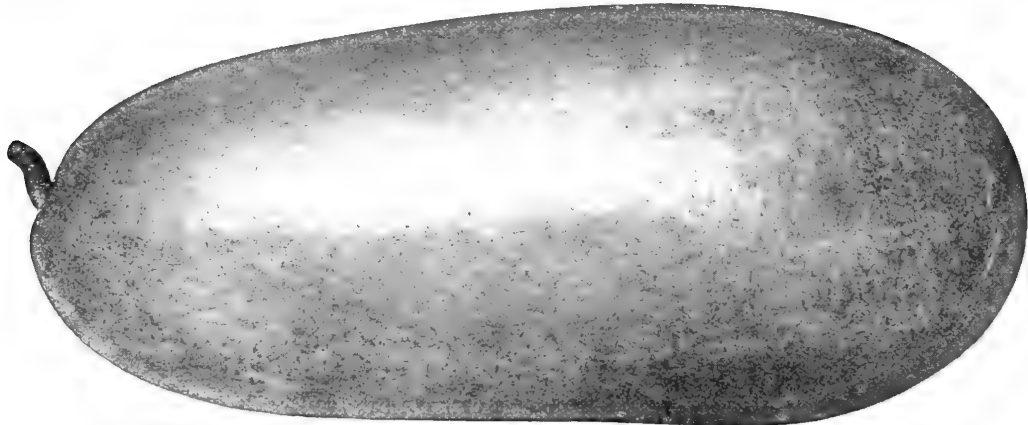
Prices in this catalogue are subject to change without notice.



Extra-Early Osage

Sandias **Water Melons** Wassermelonen

A light, sandy soil, with good exposure to the sun, is the best situation to plant Water Melons. The ground should be prepared deep, but receive shallow cultivation. Hoe often and very thoroughly. If extra large Water Melons are desired, for exhibition purposes, leave but one or two on a single vine. Plant in hill 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 or 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 Water Melon seeds, the ounce size packets are about right for small gardens. One ounce of seed will plant 20 to 30 hills; four or five pounds will plant an acre.**



Irish Grey

Tom Watson

An extra long Melon of attractive appearance, uniform in shape and quality. The luscious crimson flesh is "as sweet as honey," melting, and of superb flavor. The average Melon will weigh 35 to 40 pounds and measure about 28 inches long and about 12 inches in diameter. It is very prolific, producing in greatest abundance the large delicious fruits. (See illustration of specimen fruit.) We have greatest faith in the **Tom Watson** and believe it is one of the very best Water Melons ever offered. Introduced only a few years ago and has already taken a leading place with large melon growers and shippers. We sell twice as much **Tom Watson** seed as any other variety. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c. Postpaid. By express, not paid: 5 lbs., \$3.25; 10 lbs., \$6.00; 100 lbs., \$50.00.

Sweetheart**Splendid for Shipping—Popular in the South**

Another variety of Watermelon which should not be set aside on account of the many new varieties recently introduced, for it is hard to beat as to quality and productiveness, and is a splendid shipper. Oval, very heavy and with a rind which is very thin, 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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c. Postpaid. By express, not paid: 5 lbs., \$3.50.

Prices quoted in this catalogue are subject to change without notice.

Irish Grey (New)

This new melon has been offered for a few seasons only, and is already becoming popular. The vine is very vigorous and holds up well producing fruit until late summer. The rind is greenish grey in color, thin but very tough, hence a good shipper. Flesh is beautiful red and free from stringiness. Shape and size similar to **Tom Watson**. Well adapted for either market or home use. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Cole's Early

Very hardy; a sure cropper for Northern states. Delicate in texture of flesh, which is dark red; rind green, striped with lighter shades, thin and very brittle; of medium size, and nearly round; matures early; especially good for home use. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Halbert Honey

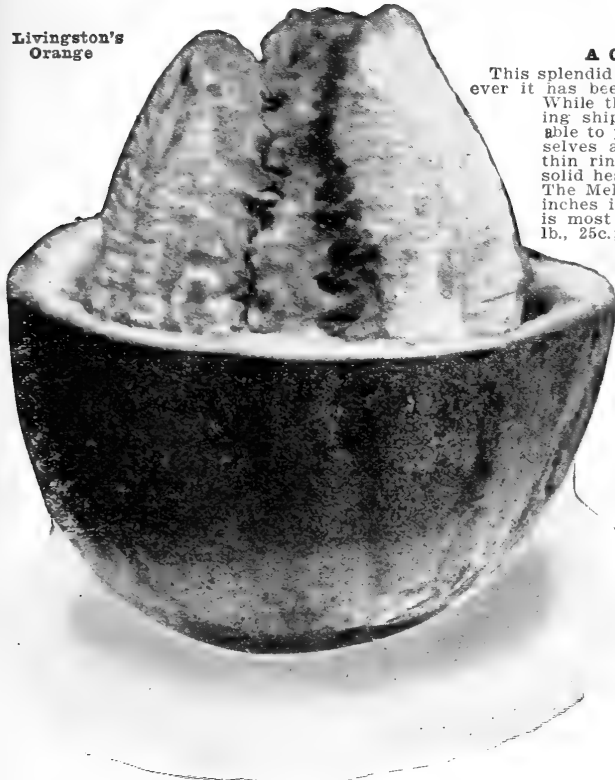
A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seeds white. One of the finest for the home garden. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.

If wanted in larger quantities we will gladly quote special prices.



Tom Watson

Livingston's Orange



Livingston's Orange

The peculiarity of this fine Melon is that when well ripened the inner core separates from the rind. Frequently one can lift the entire heart of the Melon out of the shell or rind by carefully cutting the Melon rind only. The heart may then be divided in sections of convenient size to serve. The inner portion of the Melon quite resembles an orange after peeling, hence the name. The flesh of this Melon is of a beautiful pink shade and of very fine quality. It grows to a medium size, is productive and, taken altogether, is a very desirable variety. Pkt., 10c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Round Dark Icing

One of the sweetest of all Watermelons. Very solid, thin rind; rich red flesh. Quite early and noted for its splendid quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. 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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. 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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid. By express, not paid: 5 lbs., \$3.50.

Phinney's Early

One of the first to ripen, of good size and very productive; oblong; rind a distinct mottled color; flesh deep red; quality excellent. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Kleckley's Sweet

Also Known as Monte Cristo

A Great Melon for Home and Nearby Markets

This splendid Water Melon has certainly become very popular wherever it has been thoroughly tested. It is of superb luscious 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 themselves are very large, oblong in form, with dark green skin, thin rind, which is very brittle. Flesh is bright scarlet, with solid heart, deliciously crisp, sugary and splendid in every way. The Melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; of handsome appearance; ripens early, and is most desirable for the home garden. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid. By express, not paid: 5 lbs., \$3.50 10 lb., \$6.50.

Chilian

A new white-seeded Melon of fine quality, with a reputation already established in the Pacific States, and Old Mexico, and will no doubt, become very popular elsewhere when it is better known. Fruits medium size, nearly round or slightly oblong, skin rich, deep green, indistinctly mottled and striped with a lighter shade. Flesh bright red, remarkably fine grained, firm and sweet, quality second to none. A good shipping Melon, and keeps exceptionally well. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Georgia Rattlesnake, or Striped Gypsy

Very large, long, smooth and distinctly striped; flesh bright scarlet, very crisp and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c. Postpaid.

Alabama Sweets

Large, dark green Melons of oblong shape and fine quality; skin fairly netted with lighter green stripes. Flesh bright red, of delicious flavor. A good shipper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Postpaid.

Peerless

One of the best for home gardens and market gardeners, who deliver direct to customers. Medium size; flesh red, tender and delicious. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.

Florida Favorite

A splendid oblong Melon; ten days earlier than Kolb's Gem. Skin dark green, slightly mottled, with still deeper shade; flesh dark red and of the finest flavor and quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Grey Monarch

Long Light Icing

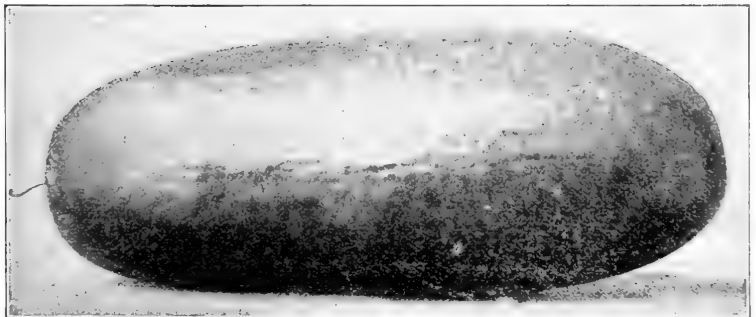
Very large; oblong in shape; crimson, sweet flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c.; Postpaid.

Fordhook Early

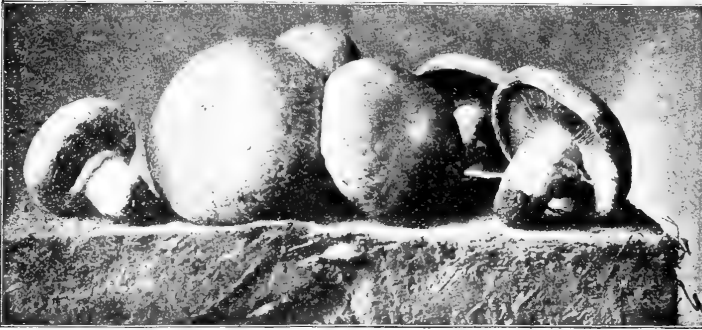
The earliest and best Melon of good size. Next to Cole's Early in time of ripening but much larger. Fruit round; outer color, dark green, flesh is bright red, of fine quality. Good shipper. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Harris' Earliest. One of the earliest good Water Melons. Large, oval sort, with mottled skin. Sweet, tender flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c. Postpaid.

Preserving Citron—Red Seeded; most desirable for preserves; flesh solid and white. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Postpaid.



Ice Cream



Mushrooms

Seta Mushroom Spawn Champignonbrut

Cultural leaflet will be supplied on application

Mushrooms will usually do well almost anywhere if a fairly uniform temperature can be maintained. One pound of Spawn is sufficient for a bed 2x6 feet. We receive fresh Spawn several times a year from the best Growers.

American Pure Culture Spawn

Produced by the new grafting process from selected and most prolific varieties. Produces a crop very uniform in size and color. Per brick, 45c. postpaid. By express or Parcel Post, not prepaid: 5 bricks, \$1.30; 25 bricks, \$6.25.

J. J. Anderson, Lake County, Ohio, says: March 12th, 1920:

"I am sending you, as usual, my little order for hot bed and will I hope, be in line for a worth while order later, as soon as I get organized for the season's business. I assure you that I am more than pleased both with your service and quality of stock sent out."



Perkins Mammoth Okra



Southern Giant Curled Mustard

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. Seeds brown. Plants are 2 feet high and produce large bunches of tender green leaves. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

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. One ounce of seed will sow 40 feet of drill.

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; very prolific. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Perkins' Mammoth

Plant dwarf; is very attractive. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra good variety. (See illustration alongside.) Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Kleckley's Favorite

Plants are of compact growth, with many close joints. At each leaf joint develop handsome, smooth, white pods which average 6 inches long, by 1 inch in diameter. They are exceptionally fleshy and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Prices Quoted in This Catalogue are Subject to Change Without Notice

John W. Smith, Oregon Co., Mo., writes as follows: "Feb. 4, 1920. "We have used your seeds for several years and find them more satisfactory for our soils and climate than those from any other section of the country."

Senf Mustard Mostaza

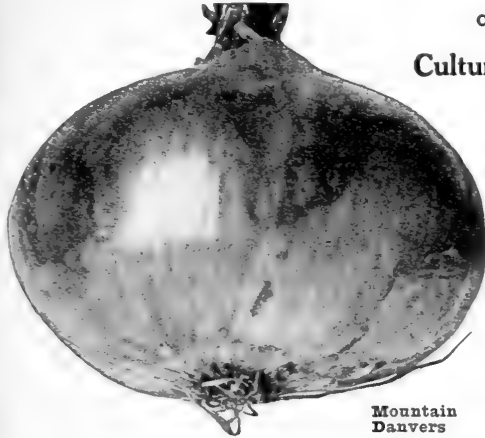
The leaves are used as a salad or may be boiled like spinach. Sow seed in any good garden soil early in the spring, in rows 18 to 24 inches apart and when well up thin out the plants so as to stand 8 or 10 inches apart. By making several sowings a week or so apart, the fresh tender leaves may be had throughout the season. One ounce will sow 50 feet of row.

Fordhook Fancy—The plants of vigorous growth, have beautiful dark-green curled leaves. It is most productive from early Spring sowings, and stands well, even during the hot Summer months. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Chinese—A giant curled variety with leaves of large size. The quick growth insures tenderness and mildness of flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

White English—Leaves are light green, mild and tender when young. Seed light yellow in color and is used in pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Cebollas **Choice Onion Seeds** Zwiebeln



Mountain Danvers

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. Onions delight in a rich, deep, sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Large quantities of well-rotted manure should be used when obtainable, also high-grade commercial fertilizers containing a large percentage of potash. Sow the seed in drills twelve to fourteen inches apart and about 1/4 to 1/2 inch deep. After they are well started, or about three or four inches high, thin out to stand two to four inches apart, keeping them well hoed and free from weeds at all times. **Complete cultural leaflet free to customers.**

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., 5c.; 1/2 oz., 15c.; oz., 25c.; 1/4 lb., 70c.; lb., \$2.25, postpaid. By express, not paid: 5 lbs., \$9.00; 10 lbs., \$17.50.

Mrs. Viola A. Smith, York Co., writes as follows: "The Seeds I got from you last season done very good. The Flower Seed done fine for me, just as you recommended in your catalog. Although last year is the first I had ever sent to your Seed House, now I shall send again this year."

New Mountain Danvers

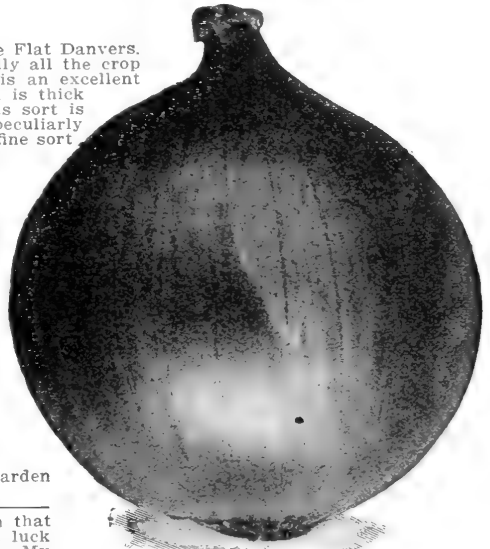
This new sort is not as round as Globe Danvers, nor as flat as the Flat Danvers. It is one of the very earliest varieties and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. This sort is 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., 10c.; 1/2 oz., 15c.; oz., 25c.; 1/4 lb., 75c.; lb., \$2.50. Postpaid.

Yellow Dutch, or Strasburg

One of the most popular varieties for growing yellow Onion sets. It is also a good-keeping, half-round sort for home use. We have a superior strain of this popular variety. Pkt., 5c.; 1/2 oz., 15c.; oz., 20c.; 1/4 lb., 65c.; lb., \$2.00. Postpaid.

Australian Brown

This variety has become very popular because of its good keeping qualities. The bulb is medium sized, nearly spherical, being slightly flattened; reddish brown in color and very solid. One of the best for growing small, round, hard, long-keeping sets. Pkt., 5c.; 1/2 oz., 10c.; oz., 15c.; 1/4 lb., 50c.; lb., \$1.75. Postpaid.



Ohio Yellow Globe

W. McKirahan, Beaven Co., Pa., writes as follows: "Last year my order was delayed six weeks, notwithstanding, I had the best garden in the country."

M. S. Taft, Herkimer Co., New York, writes as follows: "I claim that it is every mans duty that buys your seeds to let you know what luck he has with your seeds. I for one had good luck with your seeds. My garden is rich, every seed that I put in it came up in less time than any other seed that I have ever sown."

Ohio Yellow Globe

Sure Cropper; Long Keeper; Early.

To Ohio growers belongs the honor of producing, by many years of painstaking care, selection and cultivation, this **finest strain 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 is a superb Onion for all classes of soil (well enriched). Pkt., 5c.; 1/2 oz., 15c.; oz., 25c.; 1/4 lb., 70c.; lb., \$2.35, postpaid. By express, not paid: 5 lbs., \$9.50; 10 lbs., \$18.50.

Yellow Flat Danvers

A splendid extra-early yellow Onion for market or home use, and for sets. Flatter than the Globe Danvers; long keepers; flesh white, fine quality. Pkt., 5c.; 1/2 oz., 10c.; oz., 15c.; 1/4 lb., 50c.; lb., \$1.75. Postpaid.

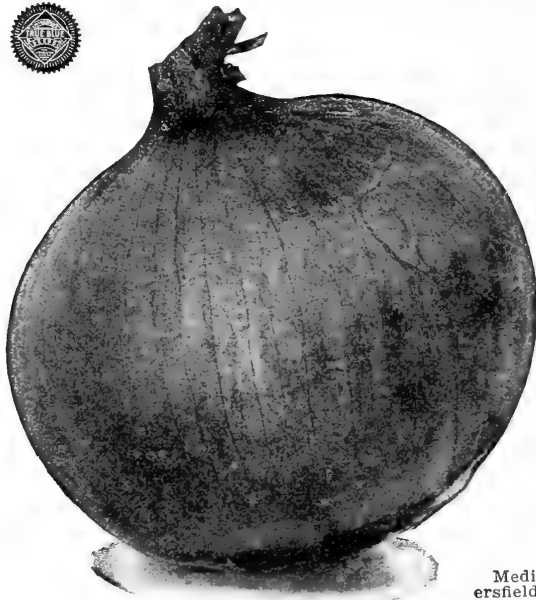
Yellow Globe Danvers

Of large size, an early and abundant cropper, very thick bulb, flat or slightly convex bottom, full oval top with a small neck and rich brownish yellow skin. We consider our strain of Globe-Danvers just right for critical growers. Pkt., 5c.; 1/2 oz., 15c.; oz., 25c.; 1/4 lb., 70c.; lb., \$2.25, postpaid. By express, not paid: 5 lbs., \$9.00; 10 lbs., \$17.50.

W. S. Haddock, Landerdale Co., Ala., writes as follows: "Am sending you a small order for seed as I find yours the best. Thanking you for promptness in the past I remain."



Yellow Globe Danvers



Mammoth Prize-Taker

Philadelphia White Silver Skin

A good-sized white variety when full grown, and makes a most beautiful, firm, round, white Onion set, for which it is very extensively grown the country over. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50. Postpaid.

White Portugal, or Silver Skin

Matures early; rather flat in shape; mild flavor, excellent for Winter; very much esteemed for pickling when small. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50. Postpaid.

Indiana Silver Skin

This is a strain of pure white Onion that produces round, hard Onion sets, for which we highly recommend it to you. The bulbs when fully matured are flat and one of the best keeping white varieties. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50. 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., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50. Postpaid.

Extra-Early White Barletta Onion—The very earliest Onion in cultivation. One of the best for pickling, being naturally quite small. Pure white, mild and delicate. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.25. Postpaid.

Onion Sets

Our Set Prices are based on the present market rates and are subject to market changes. It is impossible for us to make fixed prices. 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.

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.

White Multipliers—Pure, silvery-white, enormously productive, frequently 20 bulbs in a cluster from a single bulb. Of excellent quality and size for bunching green, or can be ripened for pickling Onions. Remarkably good keeper; very early. $\frac{1}{2}$ lb., 20c.; lb., 35c., postpaid. By express, not paid: 5 lbs., \$1.25; 10 lbs., \$2.25.

White Bottom Sets— $\frac{1}{2}$ lb., 20c.; lb., 30c. Postpaid.

Red Bottom Sets— $\frac{1}{2}$ lb., 15c.; lb., 25c. Postpaid.

Yellow Bottom Sets— $\frac{1}{2}$ lb., 15c.; lb., 25c. Postpaid.

Ask for Prices on Larger Quantities of Sets,
When Ready to Buy.

Onion Seeds (Continued)

Mammoth Yellow Prize-Taker

Enormous size—15 to 16 inches in circumference. Is hardy and a good keeper for one of such mild flavor. It ripens up firm and very fine grained. Skin rich 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 stock is American grown. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.25. Postpaid.

Southport Red Globe

The handsomest of all the red Onions; large and of perfect shape. Red Globe is 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. Southport Red Globe will yield a heavier crop than the Yellow or White Globe. Our strain of the Red Globe is unsurpassed. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.25. Postpaid.

Large Red Wethersfield

This is a standard red variety. Large size; skin deep purplish-red; form round, somewhat flattened; flesh purplish-white. One of the best keepers. A great yielder. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00. Postpaid.

Extra-Early Red

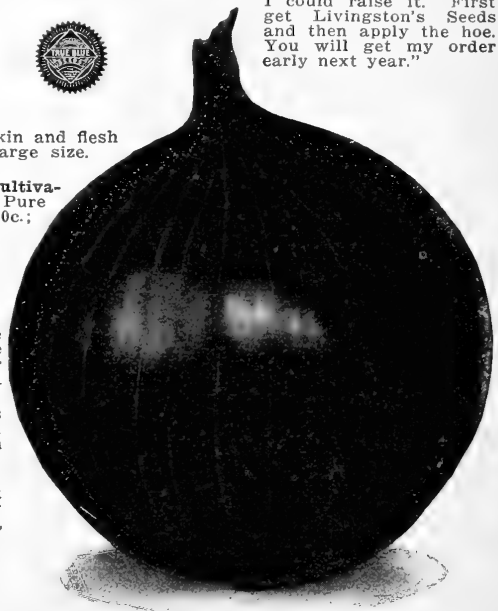
Medium size, very uniform in shape; smaller than Large Red Wethersfield, but two weeks earlier; good keeper; desirable for early market and planting in the North. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

Southport White Globe

The handsomest Onion grown. Of 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 good satisfaction. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00. Postpaid.

E. I. Coburn, Merrimack Co., N. H., writes as follows: "Enclosed find \$5.60 for seeds. After making out my order it got laid aside and have just run across it. I have tried a good many seed companies and have raised my own seed, but never saw any seeds that can equal the Livingston's. Every one that saw my garden last year said it was the best they ever had seen, and would inquire how

I could raise it. First get Livingston's Seeds and then apply the hoe. You will get my order early next year."



Southport Red Globe

Perejil Parsley Petersilie

As the seeds germinate very slowly, three or four weeks sometimes elapse before it makes its appearance. It 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, also for ornamental borders 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 all Winter; besides making very ornamental plants. One ounce of seed will sow about 150 feet of drill.



Fine Double Curled

Dwarf, a standard variety having deeply cut and beautifully curled leaves; a very fine variety. Largely grown by gardeners for market. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Hamburg, or Turnip Rooted

A rooted variety; the fleshy roots resemble Parsnips, and are used in soups and stews. The flesh is white and somewhat similar to Celeriac (Root Celery). The roots may be dug and carried through the Winter like Turnips, etc. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Flora Harper of Washington Co., Oklahoma, writes as follows:

"We have bought our seeds from your Company since I was a small girl, and though we now live in town we still find the True Blue seeds the best to be had."

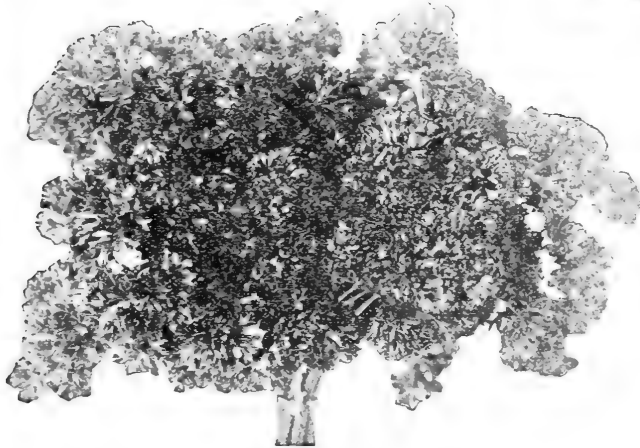


Livingston's Exquisite

Livingston's Exquisite

The Finest Strain of Curled Parsley That Has Ever Come Under Our Notice

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 is simply "exquisite." Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.



Champion Moss Curled

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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Chiriva Parsnips Pastinake

Sow as early in the Spring as the soil and weather will permit in drills 15 inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate often and keep free from weeds, especially while small, and thin to 4 inches apart in the rows. The roots improve by being left in the ground until Spring, securing enough in pits or the cellar for Winter use. One ounce of seed to 200 feet of drill, 5 or 6 pounds for an acre.

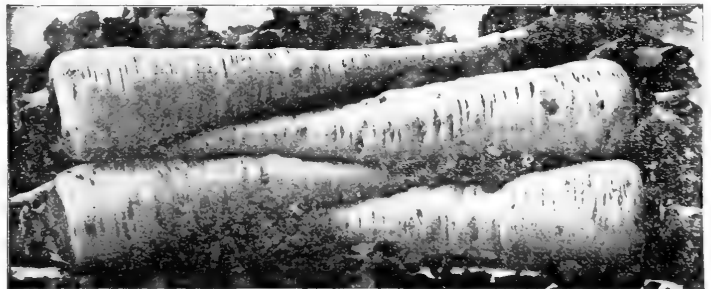
Large Sugar, or Hollow Crown

(Improved Guernsey)

The Hollow Crown is probably grown more universally than any other sort. Roots 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. (See illustration.) Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Long White Dutch

Roots are white, long and smooth with an elongated conical neck and of excellent quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.



Large Sugar or Hollow Crown

Prices in Catalogue are Quoted. Subject to Change Without Notice.

Chicaros o Guisantes **Garden Peas** Erbsen

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 one 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 bushel for an acre.**

Pea Prices

Our Pea Prices include postage up to and including two pounds. If any of the larger amounts are wanted sent by mail it will be necessary to remit extra to cover postage at the Parcel Post rates. See page 3.

Livingston's First-in-Market

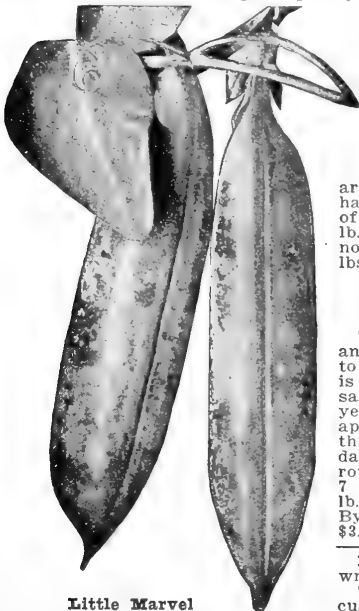
Comes into bearing about a week earlier than Prolific Early Market. An excellent variety, very profitable for the gardener and shipper because it ripens uniformly, so that almost every pod may be gathered at one picking. The pods are handsome, straight and full of medium-sized round Peas of superior quality; it is immensely productive for such an early sort. One of the finest strains of Extra Early Peas. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. postpaid. By express, not paid: 7 lbs., \$1.40; 14 lbs., \$2.50; 56 lbs., \$9.50.

Livingston's Prolific Early Market

None of the numerous Extra-Earlies compare with Livingston's Prolific Early Market in length of pod, number of peas in a pod, or number of pods to the vine. Many single plants yield 40 to 50 fully developed pods. The quality is the very best, one of the sweetest and finest flavored of the early smooth varieties. Vines grow about 30 inches in height. This sort is the most satisfactory Early Pea that can be sown, either by the market gardener, canner or in the kitchen garden. Large pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. postpaid. By express, not paid: 7 lbs., \$1.40; 14 lbs., \$2.50; 56 lbs., \$9.50.

Extra-Early Alaska

The earliest of all blue Peas; grows about 30 inches tall; very uniform in and retains that desirable green color after cooking. Our strain is especially fine, having been carefully selected by our grower for many years. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 65c. postpaid. By express, not paid: 7 lbs., \$1.30; 14 lbs., \$2.25; 56 lbs., \$8.50.



Little Marvel

Premium Gem

A fine Extra-Early dwarf Pea. Pods are light green, round, with blunt end, having an average of 6 light green peas of good quality. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. postpaid. By express, not paid: 7 lbs., \$1.50; 14 lbs., \$2.75; 56 lbs., \$10.00.

Little Marvel

This Pea has been rightly named. It is an early wrinkled Pea. Grows about 12 to 15 inches tall and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Our sales increase yearly because Little Marvel never disappoints. If you are not already using this sort, order it this year, for it is a dandy. Pods dark green, 3 inches long, round with square end and often contain 7 rich, dark green peas. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. postpaid. By express, not paid: 7 lbs., \$1.65; 14 lbs., \$3.00; 56 lbs., \$11.00.

Mrs. J. M. Lentz, Dekalb County, Tenn., writes on March 8th, as follows: "I like your goods and will be your customer as long as I make a garden."

Market Surprise

A Large Podded Extra Early

The pod is larger, measuring about 3¼ inches in length, and ¾ inch in width; 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., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c. postpaid. By express, not paid: 7 lbs., \$1.40; 14 lbs., \$2.50; 56 lbs., \$9.50.

American Wonder

A leading dwarf wrinkled Pea; esteemed for earliness, productiveness and quality. Robust in habit, growing about 10 inches high, and produces a profusion of good-sized pods, which are fairly packed with the finest flavored Peas. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. postpaid. By express, not paid: 7 lbs., \$1.60; 14 lbs., \$2.85; 56 lbs., \$10.50.

Carter's Eight Weeks

As the name indicates, this is one of the very earliest sorts. In fact you can begin to look for pods in less than eight weeks. The vine is very dwarf, growing only 8 to 10 inches in height and is very uniform. The pods while not large, are well filled with peas of good quality. This is an exceptionally fine variety for the small kitchen garden. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 85c. postpaid. By express, not paid: 7 lbs., \$1.90; 14 lbs., \$3.50; 56 lbs., \$13.00.

Wm. Betz, Butler Co., Ohio, writes as follows: "Please send me another one of your 1921 Seed Catalogues. I wish to hand it to a friend of mine. We have always used Livingston's True Blue Seed and have grand results. Our Asters and Sweet Peas were beautiful and our vegetables were grand."

Carter's
Eight Weeks



Laxtonian

This is a giant podded, early dwarf Pea—the same size and quality as Gradus, but more dwarf. It is really a dwarf, Early Telephone in size, quality and appearance and all lovers of peas will be well satisfied with it. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c. postpaid. By express, not paid: 7 lbs., \$1.70; 14 lbs., \$3.15; 56 lbs., \$11.50.

Nott's Excelsior

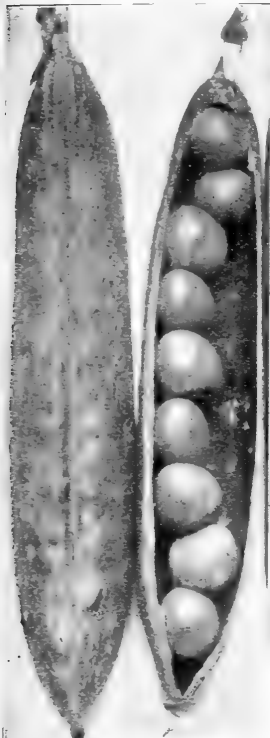
This fine extra-early dwarf wrinkled Pea is very popular. Foliage dark green and rather heavy, suggesting health and vigor. On good soil grows about one foot high. Pods 3 inches long and filled with 6 large sweet peas and are all ready to pick at once; a great yielder. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c. postpaid. By express, not paid: 7 lbs., \$1.60; 14 lbs., \$2.85; 56 lbs., \$10.50.

Thomas Laxton

The vine grows about 3 feet high, much like that of the Gradus, or Prosperity, but more hardy and more productive. Pods large, long, with square ends, uniformly well filled. The green Peas are very large, fine colored and unsurpassed in quality. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c. postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.25; 56 lbs., \$12.00.

Gallup Brothers, Ashtabula County, Ohio, writes on March 3rd, as follows: "Your seed is always satisfactory to us."

See our vegetable collection offer on inside of front cover page.



Gradus or Prosperity

Gradus or Prosperity

(See illustration.) This extra fine variety combines earliness with large size in a green wrinkled Pea. In earliness the Gradus follows closely after the First Earlies. In height they grow about 2½ feet. The pods are long and straight; and well filled with luscious sweet peas of superb quality. It produces most uniformly large pods, measuring 4 to 4½ inches in length and well filled with large, handsome Peas. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 70c., postpaid. By express, not paid: 7 lbs., \$1.65; 14 lbs., \$3.00; 56 lbs., \$11.00.

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.

Prolific Early Market—For length of pod, number of Peas to the pod, and number of pods to the vine, it is a wonder.

Gradus—Produces most uniformly large pods, medium early.

Potlatch—A large dark podded sort. 8 to 9 Peas to the pod; fine quality.

One 15c. packet each of 3 Best Peas, 40c.; 1 lb. each, \$1.25, postpaid.

Clarabel E. Stevens, Hamilton County, Ohio, writes: "Enclosed find 40c money order for 1 pound of Alderman Peas for late planting. Your never failing seed is certainly a satisfaction."

E. A. Harvey, Livingston Co., Mich., writes as follows: "I have always had the best of luck with your seeds and I think every one I plant grows and when I have any left over I test them and have never yet found any that did not grow. I always have to get some new seed each year and will say that Livingston's is the seeds for me."

Peter Pan

A very promising new early sort with big Dark Green pods and peas. Produces large pods filled with peas of highest quality. It has vigorous large dark foliage standing about 15 to 18 inches in height. The Peter Pan is the "last word" in this class of large podded dwarf growing dark green foliage, pods and Peas. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.70; 14 lbs., \$3.15; 56 lbs., \$11.50.

Sutton's Excelsior

A fine wrinkled Pea, quite hardy and may be planted with the hard-seeded varieties. The plants are dwarf (about 15 inches high), of vigorous growth and productive. Pods light green, 3½ inches long, straight and square ended, containing 7 or 8 bright green peas and the quality is all that could be desired. Sutton's Excelsior produces larger and broader pods than most early varieties, and it matures within a few days of Nott's Excelsior. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.70; 14 lbs., \$3.15; 56 lbs., \$11.50.

Livingston's Prolific Giant-Podded Sugar

Excels all other sugar Peas in size, productiveness and quality. Vines are about 3 to 4 feet in height. The pods are gigantic in size, broad, sweet and tender, extremely fleshy and unequalled for cooking pods and all. Pkt., 15c.; ¼ lb., 25c.; lb., 45c.; 2 lbs., 85c., postpaid. By express, not paid: 7 lbs., \$1.90; 14 lbs., \$3.50.

McLean's Advancer

The leading Pea for second early... Excellent flavor, very productive. It is a wrinkled variety, grows about two feet in height. Has long pods 3 inches long and well filled to the end. Ripens so uniformly that the vines can usually be picked clean in two pickings. Pkt., 15c.; ½ lb., 20c.; lb., 35c.; 2 lbs., 65c., postpaid. By express, not paid: 7 lbs., \$1.35; 14 lbs., \$2.40; 56 lbs., \$9.00.

Alderman

(Dark Podded Telephone)

The Alderman is a late wrinkled variety growing four to five feet high and bearing freely; large pods of a dark green color and on this account considered by many, superior to Telephone. These pods each contain eight or nine large dark green Peas of unsurpassed flavor. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.65; 14 lbs., \$3.00; 56 lbs., \$11.00.

Pioneer

A new large podded early Wrinkled Pea of great promise. The vines are extremely vigorous, growing 15 to 18 inches high, dark green pods 3¾ inches long which are filled with big Peas of delicious flavor. It is one of the earliest Wrinkled Peas, coming about the same season as Gradus, but a heavier cropper. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.70; 14 lbs., \$3.15; 56 lbs., \$11.50.

Geo. Didlake of Mississippi, writes on April 23, 1921, as follows: "I am writing you in regard to the Gradus Pea seed bought of you last fall. I have used your pea seed two years and I must say they are the truest to type, and make the finest pods of any Gradus that I have ever planted. I want to list my order with you for twelve bushels of Gradus for next fall's delivery, etc., etc."

Telephone

A favorite late variety for the market gardener. Extra large pods. Vine large, coarse leaves, height about 4 feet. The light green pods are very large and filled with large Peas. Tender, sweet and of splendid quality and flavor. Pkt., 15c.; ½ lb., 25c.; lb., 45c.; 2 lbs., 80c., postpaid. By express, not paid: 7 lbs., \$1.75; 14 lbs., \$3.25; 56 lbs., \$12.00.

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 8 to 9 immense Peas. The plant is a vigorous grower, the pods being borne in pairs. It is a great producer and the quality of Peas which shell out is surprising, said to be an improvement on Stratagem. Pkt., 15c.; ½ lb., 25c.; lb., 40c.; 2 lbs., 75c., postpaid. By express, not paid: 7 lbs., \$1.60; 14 lbs., \$2.85; 56 lbs., \$10.50.

Mrs. Ella Weathers, Providence County, South Carolina, writes on March 13th, 1918, as follows: "Thank you so much for your promptness in filling my first order. I think every English Pea put in the ground has come up, and other seeds popping up as fast as possible—such a satisfaction when you plant to know it not to do over—your seeds are so true. Wishing you all success in the future as you've enjoyed in the past, from an old customer."



Pioneer

Pimento Peppers Pfeffer

Peppers should be started in a hotbed or cold frame and transplanted about the end of May into a sunny corner of the garden, in rows about two 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 three 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 six inches high, will be found very beneficial to the crop. The Peppers intended for mangoes should not be grown near the hot varieties, as if so they will partake of their fiery nature. One ounce of seed will produce about 1500 plants.

Livingston's Ohio Crimson

The Sweetest and Biggest Mango Pepper

(Introduced by us in 1906.) Habit of growth, robust and stocky, and a sure cropper. The fruit is extra large. In weight Livingston's Ohio Crimson is much heavier than other varieties, owing to thicker flesh. In flavor it is the mildest we have ever known as the flesh, and even the seeds may be eaten from the hand without any of the fiery sensation. Splendid for making mangoes. Pkt., 15c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.85; lb., \$6.50. Postpaid.

Chinese Giant

It is of mammoth size, splendid shape, beautiful rich, glossy bright red flesh and mild flavor. Its strong, bushy plants, which are loaded with the splendid large fruits, begin bearing quite early. Has few seeds, hence necessarily high in price. Pkt., 15c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.85; lb., \$6.50. Postpaid.

Large Bell, or Bull Nose

Sweet Mountain

An early variety and of mild flavor except in hot, dry seasons. The skin is quite thick and fleshy; of medium size; is quite popular in some sections. Pkt., 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30; lb., \$4.50. Postpaid.

Tomato Shaped (Pimento)

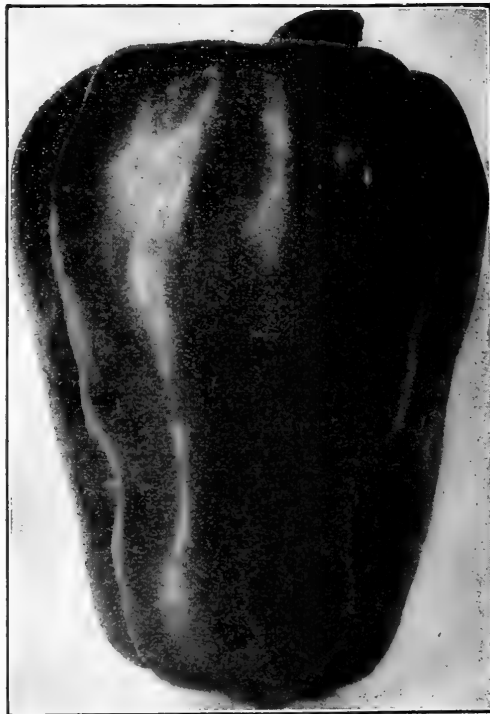
This very popular variety used extensively by the Spanish people in their Pimento salads. It is a thick meated variety of mild flavor, being brilliant red in flesh, and very productive. Pkt., 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30. Postpaid.

Neapolitan

This is the earliest of the large, mild red Peppers, grows about two feet high and is completely laden with fine Peppers about four inches long and 1½ to 2 inches in diameter. Worthy of a place in every garden. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.



Mammoth
Ruby King



Livingston's Prolific Yellow
(Illustration is a little larger than natural size.)

Livingston's Prolific Yellow

VERY EARLY, VERY PRODUCTIVE, VERY MILD
Introduced by Us in 1914. (See illustration above.)

Immensely productive, of bright yellow fruits of the most convenient size for stuffing. Comes into bearing much sooner than the mammoth sorts, and is the surest crop of all. It may be used for stuffing while yet green. On account of the mildness and thick walls of Livingston's Prolific Yellow Pepper, it is one of the finest for use in salads or pickles. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

World Beater

Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. The plant is a strong, vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. The flesh is thick and firm, making this variety an excellent shipper; very popular in the South. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Mammoth Ruby King

Our Mammoth Ruby King Pepper is one of the largest and finest mild Bed Peppers in cultivation. Not only is it very productive for so large a Pepper, but its splendid size and handsome appearance make it sell most readily in any market, and for the kitchen garden it is a special feature. The plants are vigorous, stocky and dwarf; very bushy, growing about 2 feet in height. They are well branched; thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. When ripe they are of a beautiful bright, glossy red color, and are always remarkably mild and pleasant to the taste. They can even be sliced and eaten with salt and vinegar (like Tomatoes or Cucumbers), and are most appetizing. Pkt., 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.35; lb., \$4.75. Postpaid.

Royal King

Royal King is very thick-meated, averaging about as thick again as the old type of Ruby King and others of the Bell type. It is perfectly sweet and free from pungency. It is a heavy bearer and a good shipper. One party says: "We have grown and shipped thousands of bushels of this pepper in the past and could often make sales of it in markets that were glutted with other sorts." Pkt., 15c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.35; lb., \$4.75. Postpaid.

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., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.



Sweet Salad (Pimento)

Sweet Salad

(Pimento)—Also Known as Perfection—This Pepper is especially desirable for canners. It is also fine for the home garden, both green and ripe. It is so smooth and uniform in shape that the skins can be easily slipped off after burning over a hot fire for a few seconds or by boiling a few minutes in hot water. The meat is from two to three times as thick as that of some others. Quality very sweet and delicious and entirely free from pungency. Color when ripe a beautiful scarlet red. Very productive. Pkt., 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30; lb., \$4.50. Postpaid.

Calabazas **Pumpkin** Speise Kurbisse

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 always mix with the Squashes and other vines. You can sow some amongst your 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 lbs. plant an acre.**

Small Sweet or Sugar

This is the small, sweet Pumpkin that has made the New England States famous for their pumpkin pies. It is a very fine-grained, most deliciously sweet-flavored sort. Splendid keeper. The average about 10 inches in diameter. Of deep orange-yellow color. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Large Sweet, or Kentucky Field

Large, round, flattened, hardy and productive. One to two feet in diameter. It has thick flesh of extra fine quality and is a splendid sort for canning, family and market use; and used largely for stock feeding. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Common Yellow Field

Yankee Cow Pumpkin, or Connecticut Field—The common Yellow Field Pumpkins, so very largely cultivated by farmers for stock feeding, and used some for canning; very productive. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.



Small Sweet or Sugar

Best for canning. Has heavy, thick, sweet meat; large, round, flattened variety, with creamy-buff skin. An excellent keeper; and very productive; good quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Genuine Mammoth, or True Potiron—(King of the Mammoths)—Of immense size, with depressed ends, slightly ribbed, often 3 feet in diameter and sometimes weighs over 200 lbs.; skin salmon color; flesh bright yellow; fair quality; great exhibition sort. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Winter Luxury—The fruits are of medium size, nearly round and very thick meat; flesh is light yellow; excellent for pies. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Livingston's Pumpkin Mixture—One sowing furnishes Pumpkins for the season. Especially offered to those who wish to grow a grand collection of Pumpkins for Fall fairs. Large Pkt., 10c.; oz., 20c.; ¼ lb., 50c. Postpaid.

Rhubarb, or Pie Plant Ehebharb

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 gives 500 plants.**

Victoria—In general use for market and home garden. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Peppers (Continued)

Anaheim Chili

A variety introduced in California and is largely used both dried and for canning. It is about 7 inches long and has very thick flesh. While this variety belongs to the Chili class, it is not as pungent as some of the smaller sorts. Pkt., 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Small Cayenne (Red Chili)

Pods 1½ inches long; very hot; used for making pepper sauce. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40. Postpaid.

Long Red Cayenne

3 to 4 inches long and ½ to ¾ inches in diameter. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40. Postpaid.

"Red Hot" Mixture

Includes a great number of small and ornamental sorts, which are as "hot as fire." Pkt., 10c.

Mixed Mango Peppers

A choice mixture containing a large number of varieties suitable for stuffing and mangoes. Pkt., 10c.



Large Sweet Cheese

Large Sweet Cheese

Rabanitos Radishes Radieschen

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 half an inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for continued use. Radishes must grow rapidly to be crisp, mild flavored and tender. We offer a very fine assortment. **One ounce of seed will plant 100 feet of drill; 8 to 10 pounds for an acre.**



Cooper's Sparkler

Cooper's Sparkler

(Scarlet Turnip White Tip)

A splendid variety of the Scarlet Turnip White Tipped type, but showing more white, practically the whole lower part being white, while the upper half is a bright scarlet. It makes a fine show on the market bench, is very attractive, and is of good quality. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.15. Postpaid.

Saxa (New)

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, brittle and juicy, and remains in fit condition for the table for a long time. It is adapted to sowing in open ground as soon as it can be worked, and it is a fine sort for greenhouse crops, for which it was especially developed. Pkt., 10c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Model White Box

Short top, of rapid growth; perfect turnip shape; extra fine quality, remaining solid and juicy for a long time; is especially suitable for growing under glass in frames. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Early Golden Yellow Oval

A very fine olive-shaped variety. Flesh is white and tender. Fine for forcing or out-door culture. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.40. Postpaid.

Brightest Long Scarlet

(Cardinal White-Tipped) — Resembles Early Long Scarlet Short-Top in shape and size, but of a lighter shade of scarlet; extra-early; white tipped; a rapid seller. Pkt., 5c.; oz., 10c.; ¼ lb., 45c.; lb., \$1.00. Postpaid.

Early Long Scarlet Short-Top

Admirable for forcing; the leading outdoor quick-growing variety both for private and market gardens; the average length is 6 to 8 inches; grows about half out of the ground, straight, uniform; tops small; bright scarlet in color, brittle and crisp. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

French Breakfast

Of quick growth, very mild and tender; of an oval form, scarlet tipped with white. One of the best real early sorts for home garden. Popular with many growers. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Improved Chartier

A distinct and exceedingly attractive sort; a clear rose colored long Radish, shading into pure waxy white at the tips, attains large size. Perhaps one of the best Early Summer Radishes for the open ground. Grows very fast; ready for use or market early; keeps crisp a long time. Should not be sown until the ground is warm. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c. Postpaid.

Half-Long Deep Scarlet

Color deep, rich red. Shape half-long, tapering. Flesh pure white, crisp, tender, brittle, not becoming pithy for a long time. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Rosy Gem

Forcing Strain of Scarlet Turnip White Tip

One of the earliest, perfectly globular; rich brilliant scarlet at top, blending into pure white at bottom, tender and crisp; adapted to greenhouse culture; desirable for market or home garden. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Non Plus Ultra (or Fireball)

The earliest forcing Radish in cultivation. A pretty little round Radish; deep, rich scarlet in color; tops very small; crisp, tender, white flesh; a little earlier than Scarlet Globe, but not so large. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Early Scarlet Turnip

Quite early, small, round Radish; skin, rich scarlet. A great favorite with market gardeners and especially so for kitchen gardens. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00. Postpaid.

Crimson Giant

A variety combining earliness and great size. It grows much larger than other extra-early varieties, but does not become pithy, even when fully twice as large in diameter and a week older; beautiful crimson-carmine; turnip-shaped; flesh firm, crisp and tender. We recommend it for outdoor garden planting as well as for greenhouse forcing. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Scarlet Globe

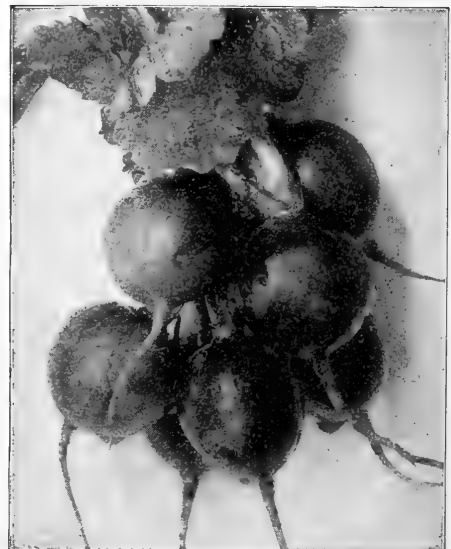
(See illustration below)

This splendid globe Radish is the very finest early strain of the round, bright red Radishes. Nothing can surpass its table excellence or its beauty. The skin is a bright scarlet; flesh pure white, crisp, tender and of delicious quality. Fine for market gardeners as first-early forcing Radish. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Early Snowball

One of the quickest growing besides being one of the prettiest round varieties in the whole list; white as snow, smooth as glass, very crisp and extremely tender. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.15. Postpaid.

Prices Quoted in This Catalogue are Subject to Change Without Notice.



Scarlet Globe

Mrs. Thomas E. Lowrie, Miner County, S. Dak., writes: "We have used Livingston's seeds many years and have always found them satisfactory, resulting in an abundant garden."



Cincinnati Market

This superb Radish originated in the vicinity of Cincinnati, Ohio, with the Market Gardeners there and has been continually used by them for many years. We introduced it to our trade in the Spring of 1895, and it has become so deservedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand. The tops are so small that the Radishes may stand touching each other in the rows. The Cincinnati Market Radish grows straight and smooth, 6 to 7 inches in length. (See illustration.) The skin is a beautiful scarlet, very thin, the flesh crisp, brittle, and of delightful flavor. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid. By express, not paid: 5 lbs., \$5.00; 10 lbs., \$9.50

Livingston's Pearl

A beautiful pearly-white half stump-rooted variety of exceptional merit. It is a very firm and solid and after having reached its best condition, it remains in good shape for some two weeks before becoming woody or showing any signs of going to seed. It is a Radish we can heartily recommend and a variety which for all purposes is first class. Every one who likes a long, white Radish should plant Livingston's Pearl. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Long White Icicle

Grows about 4 inches long; slightly stump-rooted, and of transparent whiteness; short leaves, matures quickly; most excellent flavor; equally desirable for home or market gardens. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.15. Postpaid.

Lady Finger

Or Long White Vienna

Beautiful in shape; skin and flesh are pure white, very crisp and tender, a most rapid grower and long standing. A fine variety. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

White Delicious

This elegant sort has proven a decided acquisition. 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 until the Radishes become unfit for use. It does not grow so quickly as White Vienna, but is in good condition much longer. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

White Strasburg

Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are quite large. Excellent for Summer use, as it withstands severe heat and grows quickly. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Giant White Stuttgart

Of large size, in shape like a top; flesh and skin white; fine quality; firm and brittle, never pithy; can be stored for Winter the same as Turnips. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

White Munich

A top-shaped variety averaging 6 to 7 inches in length and 2 to 3½ inches at the shoulder. Color of skin and flesh a clear white; very mild and tender, one of the best winter sorts. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

White Chinese

(New Celestial)—(See illustration alongside.) A large stump-rooted 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. Fine for market gardeners. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.



White Chinese Winter

Chinese Rose Winter

A very handsome and distinct variety; color bright rose; crisp and tender; cylindrical in shape; very smooth; very desirable sort; keeps splendidly through Autumn and Winter. A big seller. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 35c. Postpaid.

Long Black Spanish Winter

Grows 5 to 8 inches long, 1 to 1¼ inches through at top; skin black; flesh white and firm. One of the oldest but nevertheless one of the best Winter sorts. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

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Livingston's Pearl

Golden Globe

Most perfect globe shaped; golden colored skin; very quick grower; white flesh, tender, brittle; long standing. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Large White Summer Turnip

A favorite with market gardeners. Round, smooth; very white; crisp and tender; of large size. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. Postpaid.

Round Black Spanish Winter

Similar to Long Black Spanish, except in shape; fine for Winter. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00. 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, as they come ready for your table early, medium and late. You always have some that are just right—sweet, juicy, delicious, crisp. You will be surprised and delighted with our popular Radish Mixture. Your garden this season will not be complete without a bed of these crisp little table delicacies. Large Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; ¼ lb., 40c. Postpaid.

Sidracayote

Squashes Speise-Kurbisse

Plant after weather has become firmly 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 7 or 8 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 1½ 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.

Acorn or Table Queen

This new variety averages about 7 inches long by about 4 to 5 inches wide; shape is oblong and slightly pointed at the blossom end. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color. The quality is claimed to be equal to that of the Hubbard. Pkt., 10c.; oz., 25c.

Livingston's Pie

Rich, Sweet Flavor. Makes Good Pies 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. The very finest for pies, making good ones even when eggs are not used. Size, 8 to 10 inches in diameter. Large Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Giant Golden Summer Crookneck

The largest and best of all Summer Crookneck Squashes. Of a dwarf, bushy habit and very productive; bears early and all Summer; true Crookneck type; rich golden yellow color; thickly warted. Its cooking qualities are unexcelled. One of the best varieties for the market or table use. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Fordhook

Convenient size for family use. Flesh dry and sweet, and seems incapable of rotting. The thin, hard stem and roots furnish absolutely no food for the squash borer. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used as a summer sort or stored for winter or shipping. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.40. Postpaid.

Chicago Warted Hubbard

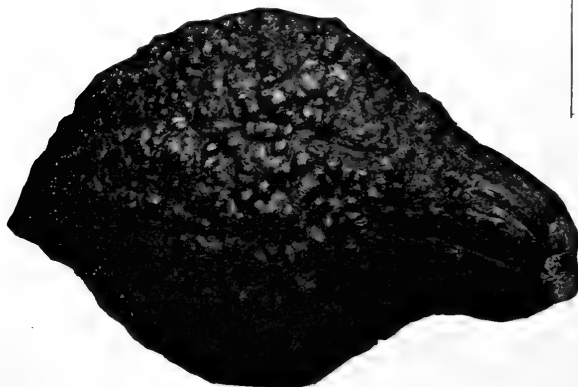
Large size, dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality; thick yellow flesh. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Golden Hubbard

Color of skin bright, rich, orange-red; showy and attractive. Shell hard and warty. Flesh deep golden yellow, fine grained and of splendid flavor; cooks dry. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Hubbard

The Standard Winter Squash—It is of good size, often weighing 9 to 15 pounds. Color bluish green. Flesh fine grained, sweet and of excellent flavor. Rich orange yellow. Has a very hard shell and will keep until Spring. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.40. Postpaid.



Hubbard



Early White Bush, or Patty Pan

Early White Bush, or Patty Pan

The flat patty-pan shaped fruits are ready for use very early in the Summer, 6 to 8 inches in diameter. Of true bush form and very productive, should be eaten when young and tender. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10. Postpaid.

Mammoth White Bush Scallop

Excellent large strain, 10 to 12 inches in diameter. Nearly as early as the common sort; creamy white; splendid for market or home garden; good shipper. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Mammoth Yellow Bush Scallop

(Golden Custard)

Decidedly the best strain. Double the size of the old sort. A flat variety of the patty-pan type; deep orange in color; eight to ten inches in diameter; for early summer use only. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. 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. They are hardy, and bugs seldom eat them, especially when other varieties are near. Crookneck in shape and the neck is all solid flesh. Can be grown among corn, same as pumpkins, and yield as 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., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Boston Marrow

Oval form, thin skin. Color of skin and flesh, a rich orange; of good size, excellent flavor and keeps well. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Essex Hybrid

Hard shell; solid, thick-fleshed, fine grained, rich flavoured; prolific, and of the best quality. Flesh rich orange color. Turban shape. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Cocozelle

A summer variety of bush habit; fruits oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with 5 ribs, color dark green, marbled with yellow and dark green stripes, quality fine. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

Gregory's Delicious

Outside color, green when matured. Flesh thick, dark orange in color; dry, sweet and of rich flavor. Is best as Fall and Winter variety, improving with age. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50. 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., 10c.; oz., 15c.; ¼ lb., 35c. Postpaid.

Salifi

Salsify or Oyster Plant Kaferwurz

When properly cooked it is a good substitute for oyster flavor and is very nutritious. A most palatable vegetable; the cultivation is precisely the same as directed for Parsnips and Carrots. Sow early in drills 18 inches apart and cover firmly one inch deep; thin to three inches apart in the drills. Salsify will keep finely through the Winter, in the ground where sown, in exactly the same manner as Parsnips. The roots are perfectly hardy; in fact they are best after the frost has touched them.

When cooking, boil the roots with a small piece of codfish, which should be discarded when the salsify is done. This strengthens the oyster flavor. When cold, mash and fry as patties or fritters. This vegetable is also good stewed, plain boiled, and also as a salad, sliced raw in vinegar with pepper and salt. **One ounce of seed will sow fifty feet of drill; eight pounds is sufficient to plant an acre.**

Mammoth Sandwich Island

This splendid variety will average nearly twice the size of the White French Salsify. Grows very uniform. Mild and delicious in flavor. A popular sort with all growers. (See illustration.) Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. Postpaid.

Espinaca Spinach Spinat

Spinach will succeed finely 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, plant 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. Uncover the plants when they begin to make a new growth in the Spring. For Summer use sow in Spring. Thin to 3 or 4 inches. **One ounce of seed for 50 feet of drill; 12 to 15 pounds for an acre.**

Bloomsdale Savoy

This is a very early variety and one of the best to plant in the Fall for Spring use. The plant is of upright growth, with thick, glossy, dark green leaves, which are crumpled or blistered like those of Savoy Cabbage. It is quite hardy but will run to seed quickly as soon as warm weather comes. Suitable for home use and is used also by the Market Gardener. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c. Postpaid. By express, not paid: 5 lbs., \$1.75.

New Zealand

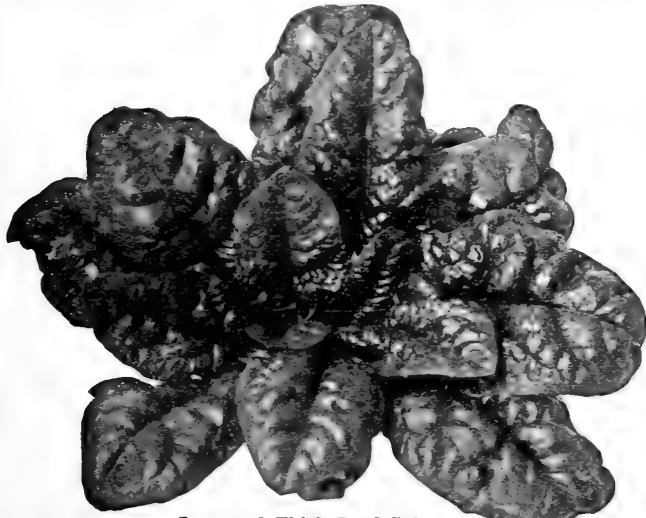
A distinct type of Spinach. The plants grow in branching form with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil, and continues producing throughout the season. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c. Postpaid.

Victoria

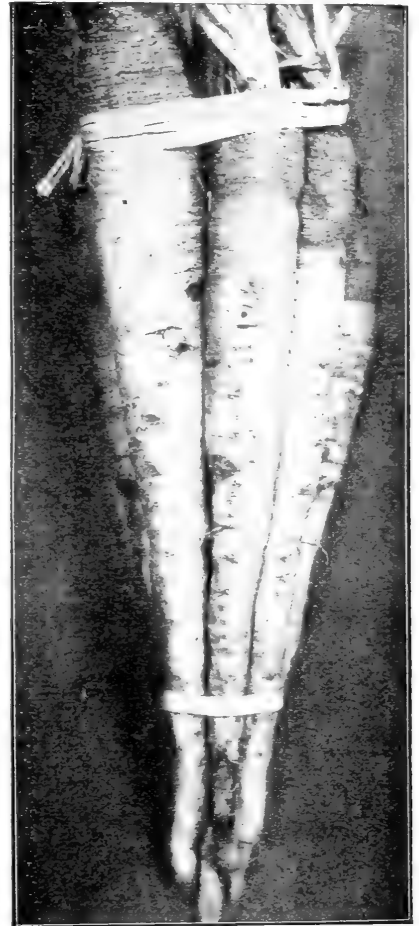
An excellent sort, whether grown for home use or market. It may be sown with equally good results either in the Spring or during late Summer and Fall. The plants are fit for use early and remain in good marketable condition much longer than most other kinds. The leaves are very thick and juicy and, when prepared properly, develop a delightfully distinct, mild flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c. Postpaid.

Prickly Seeded Winter

A fine variety with triangular, oblong or arrow-shaped leaves. Hardest of all, therefore best for Fall sowing where Winters are severe. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c. Postpaid.



Improved Thick Leaf Spinach



Mammoth Sandwich Island Salsify

Improved Thick Leaf (Viroflay)

The market gardener's favorite for Fall or Spring sowing. A great favorite in all parts of the country as it furnishes an abundance of heavy, broad, dark green leaves of finest quality and appearance. The leaves are attractively curled, and on account of their firmness and substance they remain in prime, salable condition for a long time. Also excellent for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 55c. Postpaid. By express, not paid: 5 lbs., \$1.65; 10 lbs., \$3.00.

Long Season

Of flat spreading, but compact growth, this sort is especially noticeable for its short-stemmed, dark green leaves, which are heavily crumpled and savored. For marketing during the warm Summer months, it is unsurpassed. Stands longer before going to seed than any other sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c. Postpaid.

Sage

Sage is probably the most extensively used of all herbs for seasoning and also possesses some medicinal properties. The plant is hardy and grows about 15 to 18 inches high. The leaves and young shoots should be cut as it is coming into bloom, then dried in the shade. Pkt., 10c.; $\frac{1}{2}$ oz., 30c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00. Postpaid.



New Varieties of Merit and the Growing of Large Quantities of Seed our Specialty

Tomatoes occupy continually the center of the stage in our establishment. It is only natural that it should be so. Few seedmen in the world can make as positive a statement in connection with a crop as we make it above, and for three-score years the interest in this all-important vegetable has been religiously preserved in our house.

We make it a point to know and study all sorts. This is one of the reasons why we can speak authoritatively about the merits of the various sorts introduced. The descriptions given in this catalog may be relied upon. They tell the truth as we learn it from our annual extensive trials. Neither larger nor 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 Livingston's Famous Tomatoes are the most thoroughbred strains in existence. We give here a complete list of our introductions and no doubt you'll find some old, familiar sorts that have "made good" with you among these varieties.

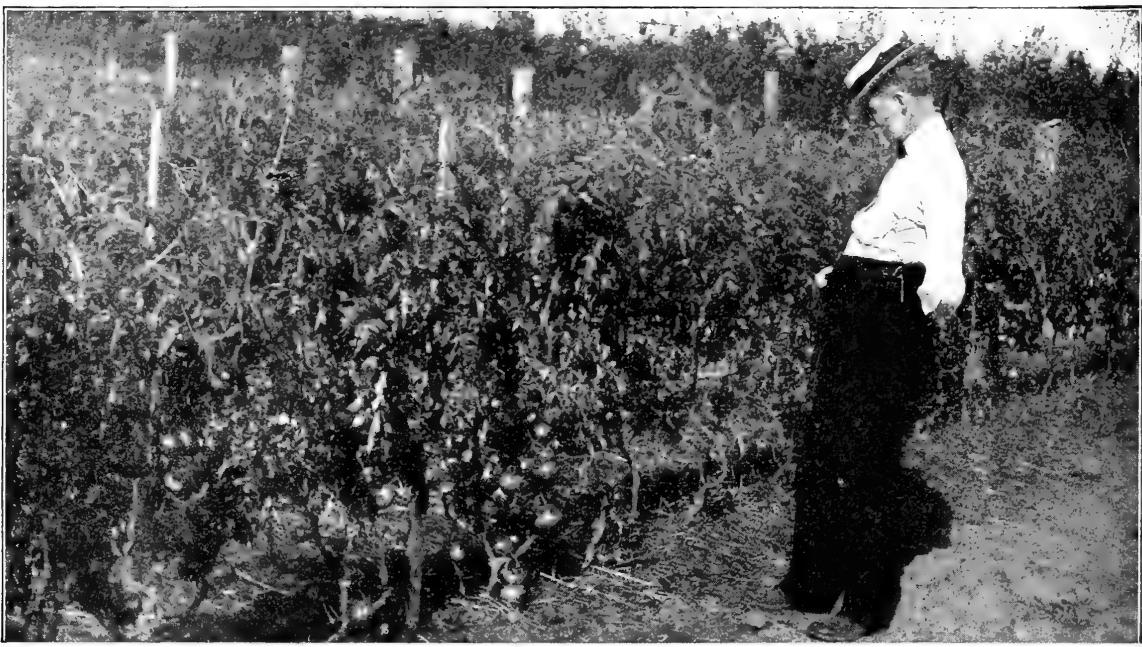
Livingston's Paragon	in 1870
Livingston's Acme	in 1875
Livingston's Perfection	in 1880
Livingston's Golden Queen	in 1882
Livingston's Favorite	in 1883
Livingston's Beauty	in 1886
Livingston's Potato Leaf	in 1887
Livingston's Stone	in 1889
Livingston's Royal Red	in 1892
Livingston's Gold Ball	in 1892
Livingston's Buckeye State	in 1892
Livingston's Aristocrat	in 1893
Livingston's Large Rose Peach	in 1893
Livingston's Honor Bright	in 1897

Livingston's Dwarf Yellow Prince	in 1898
Livingston's Magnus	in 1900
Livingston's Aristobright	in 1901
Livingston's Royal Colors	in 1901
Livingston's Dandy Dwarf	in 1901
Livingston's Multicolor	in 1901
Livingston's Princess	in 1901
Livingston's Grandus	in 1901
Livingston's Dwarf Stone	in 1902
Livingston's Purple Dwarf	in 1903
Livingston's Globe	in 1905
Livingston's Hummer	in 1907
Livingston's Coreless	in 1908
Livingston's New Manyfold	in 1917

Tomato Culture

For very early fruit, the seed should be sown in a hot-bed about the first week in March, in drills five inches apart and one-half 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 cold-frame, 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 thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow or the crop may be badly injured.

Tomatoes grow splendidly trained to stakes or trellises, and the fruit is much improved, not only in appearance, but in quality. This mode of cultivation is quite common among gardeners who grow the early market, and at desirable 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. **That about 2000 plants will be produced from one ounce of seed is a safe estimate.**



Livingston's Globe Tomato

THE GREATEST SHIPPING TOMATO KNOWN

Originated With Us and Introduced in 1905. The Finest Early Purple Tomato in Existence. Very Distinct in Shape, Firm Fleshed, of Delicate Flavor. Almost Blight Proof.

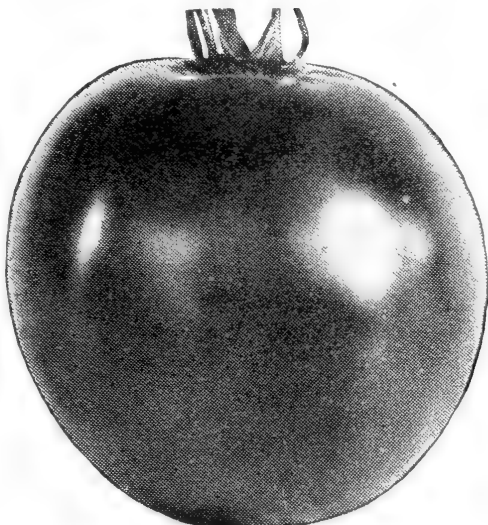
Livingston's Globe is an extra good all-round sort, of a distinct globe shape, with quite a large percentage of elongated fruits. On account of its shape, one that permits of a great number of slices to be made from each fruit. We class it with the first earlies, both in green-houses as well as in the field. The fruits are of large size, and a good marketable size is retained throughout the season. It is always smooth, of firm flesh and few seeds; ripens evenly; color, a fine glossy rose, tinged with purple, and without the slightest tinge of yellow at any stage of ripening. It is an exceedingly productive variety. In quality there is nothing more to be desired, being mild, pleasant and of delicious flavor. There is no better variety for green house growing or for early growing on stakes or trellises. Its blight-proof qualities are remarkable. May be picked quite green, will carry to distant markets in excellent shape and ripen up uniformly. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid. Special prices in larger quantities.

S. M. E. Dillon, Hoehnes, Colo., Box 72, writes: "did well from your seed last season. From 4 acres or near 4, I sold \$2000 of Tomatoes. The Globe was very fine. I had four classes and all were very fine."

E. B. Haley, Gibson Co., Tenn., writes: "I have been using your seeds for the last few years with the greatest of satisfaction. I have been raising your Globe Tomato and think it is the finest tomato in the World, because it has yielded twice the amount of tomatoes to the acre of any tomato I ever raised, also sold for the highest market price. I sold at the rates of \$700.00 per acre, off of my Globes this year. Your Globes are also free from Blight. They can be raised on the same ground year after year, which makes it the most prolific tomato in the world."

H. Burchert & Son, Washington County, Ohio, writes as follows: "I am today sending you an order for seeds. I wish to say I purchased all my Globe Tomato seed from your firm last year and had the finest patch of tomatoes in the country. I had out 5000 and I will say I made as high as \$1.00 per plant. People came from far and near to look at that patch, it certainly was immense and I would like to have as good seed this year as last."

T. E. Gerton, Chanango Co., N. Y., writes: "Had A No. 1 result from your seeds this season. Sold your Manyfold Tomato nearly four weeks before the prices dropped."



Livingston's Globe

Mr. C. M. Garrett, Logan Co., O., writes, "Your Livingston's Globe made an enormous crop. The vines were literally loaded with fine, large, smooth fruits."

Mr. A. D. Giddens, Lee Co., Fla., writes: "I have used your Livingston's Globe Tomato seed three years at Delray, Fla., and find them ahead of all other varieties."

H. Stine & Son, Otley, Marion Co., Ia., writes: "Justice to you and for the benefit of others, will say that the Globe Tomato has given us the best satisfaction of any Tomato we have ever raised on our farm."

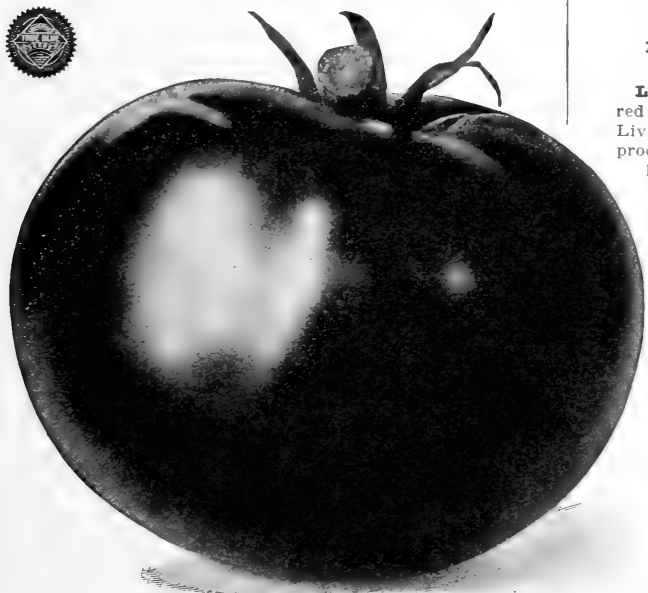
Mr. E. H. Roberts, Cooper County, Mo., writes as follows: "I have grown your Manyfold Tomato two years. Grew eleven varieties in 1917. Discarded all except Globe and Manyfold last year, had one cluster of "thirteen" Tomatoes of the Manyfold, not a runt in the bunch. As a canner it is at its best, retains its beautiful red color."

New Tomato Livingston's Manyfold

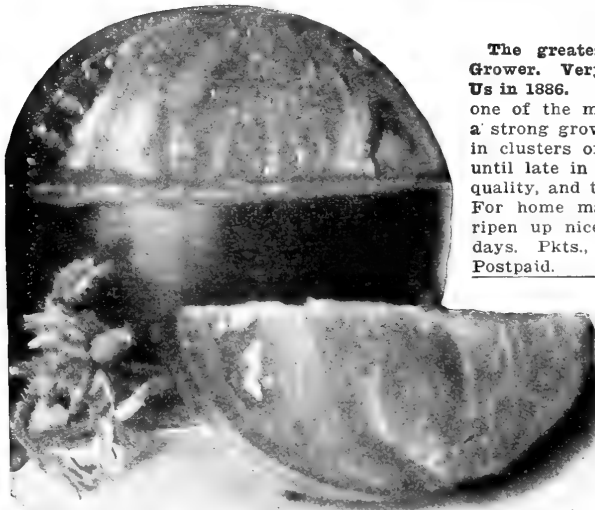
Brightest Red Inside and Out—Earliest Big Red Sort—Heavy Cropper

Livingston's Manyfold has a brilliant bright red fruit that averages almost equal in size to Livingston's Stone on strong ground and almost as productive, if not more so, but begins bearing earlier. Hence lengthening the bearing season when used along with the larger and later sorts. The fruit is borne in large clusters which generally average five or more to the cluster. The clusters set closer together than on most sorts and therefore is very productive. Almost invariably all of the fruits are of marketable size. Last season owing to unfavorable conditions Manyfold ran small on some soils, but where conditions were more favorable it came up fully to our description and claims. The flesh of the Livingston's Manyfold Tomato is one of the richest reds we have ever seen. Even the pulp surrounding the seed, in most specimens, shows the red coloring. We feel that this point of high color, together with the early maturity of a very large percentage of the crop, should appeal very strongly to Canners and makers of catsup, and equally so to private users of Tomatoes.

Livingston's New Manyfold Tomato is very prolific, but should have good strong land to hold up the size throughout the season. Pkt., 15c.; ¼ oz., 20c.; ½ oz., 35c.; oz., 65c.; ¼ lb., \$2.15; lb., \$7.50. Postpaid.



Livingston's Manyfold



Livingston's Beauty

Livingston's Beauty

The greatest of all Purple-Colored Home Market Sorts. Strong Grower. Very productive. Large, Smooth and Early. (Introduced by Us in 1886. Although introduced by us so many years ago, this is still one of the most popular purple-colored Tomatoes. The plants make a strong growth, are hardy and bear plentiful. The fruit is produced in clusters of 4 to 6, is large, of perfect shape, and retains its size until late in the season. It ripens early, has firm flesh of excellent quality, and the seed cells are very small. A splendid sort for slicing. For home market it is excellent. May be picked quite green; will ripen up nicely, look well and keep in perfect condition for several days. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

J. C. Gordon, Jackson Co., Mo., writes: "Your Beauty Tomato is certainly a good kind; tried it last year."

Mr. T. M. Christie, Clinton County, Pennsylvania, writes under date of June 9th, concerning Tomato Seed, as follows: "I have grown your fine Tomatoes for several years and often have been greeted with 'You have the best tomatoes on market.' Your Beauty and Globe are the principal brands. I now have Manyfold growing nicely in addition to the others."

Wm. Kettle, Weld Co., Colo., reports a crop of 137 tons of Livingston's Beauty Tomatoes from 5 acres in 1917—an average of 27 2/5 tons per acre. Can you beat it?"

Mrs. Samuel H. Housel, of Somerset County, New Jersey, writes as follows: "Your 'True Blue Seeds' were planted by me last season and the tomatoes were more than fine."

Jno. F. Drake, Logan County, Okla., writes us as follows: "I got my start in 1898 raising Livingston's Beauty Tomatoes at Hypoluxo, Florida. The money I made on my crop put me through College and have been successful ever since. I will never forget Livingston's Beauty."

S. S. Murhead, Anne Arundel Co., Md., writes: "I was very much pleased with your Livingston's Stone Tomato last season."

W. I. Smith, Alcorn Co., Miss., writes: Your seeds always gives satisfaction. I sell thousands of tomato plants every year, and receive many compliments for the excellence of your Livingston's Early Acme and your Livingston's Stone Tomatoes.

Mr. Frederick L. Parker, Kent County, Delaware, writes: "The tomatoes we grew last year from your seed were the best delivered to the cannery which bought our crop."

Mr. Martin W. Schuette, Cuyahoga Co., Ohio, writes as follows: "Your seeds last year were certainly the finest we ever had. I believe every Tomato Seed that we had came up, and I hope we have the same results this year."

Welty L. Love, Westmoreland County, Penn., writes: August 31, 1920.
Dear Sir: I feel it my duty to write you in regards to the seeds I got from you in the early Spring.

The seed I got from you are sure True Blue. All seeds I got from you have surely done fine. You sure are a Tomato King. I have the first ripe tomatoes in my neighborhood, and they surely are fine ones.

L. G. Hickman, Jackson Co., Mo., writes as follows: "I got my 1920 tomato seed from you and had the best tomatoes I ever raised."

California Vegetable Union, Los Angeles, Cal., writes as follows: Sept. 29, 1919. "We have been using your Stone tomato seed this year and have had excellent results. Our growers are so well pleased with it that some of them have come in for supplies of seed after the crop was matured for next years planting and we have been putting out our surplus in that way. We wish to express our appreciation for the good service you are giving us in supplying us with the best type of tomato seed."

J. A. Medert, Rose Co., Ohio, writes: "Your Livingston's Stone Tomatoes is the best we ever raised."

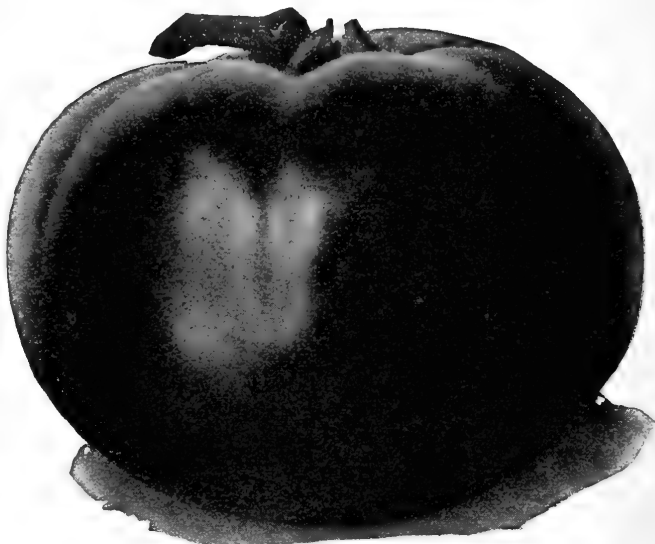
Mrs. L. J. Gates, Pulaski Co., Ark., writes as follows: "I used your seeds last year and was very well pleased with them especially the Tomato, which were simply great."

Henry Evers, King Co., Washington, writes: "I had good success with the True Blue Tomato Seed I got from you last year and am going to get some more of your seed for I can depend upon the seed for a good crop."

Livingston's Stone

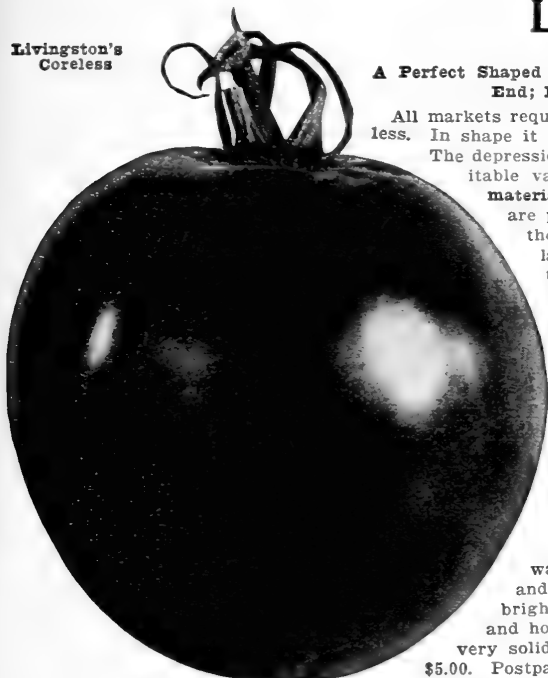
THE GREATEST OF ALL CANNING TOMATOES
The Largest, Bright Red, Perfectly Smooth, High-Yielding, Best-Keeping, Finest-Flavored Main-Crop Variety in Existence. Introduced by Us in 1889.

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 now recognized by all as the greatest canning Tomato. We alone supply enough seed to the leading Tomato growers and canners every year to produce millions of plants. Order direct from us to get seed of our growing. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.



Livingston's Stone

Livingston's
Coreless



Livingston's Coreless

(Originated by Us and Introduced in 1908)

A Perfect Shaped Canning Variety of Large Size, Globe-Shaped, Full at Stem End; Bright Red, a Strong Grower and a Big Cropper.

All markets requiring a bright-red sort will be pleased with Livingston's Coreless. In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated, making a profitable variety for canning owing to a very small amount of loss in material and labor. Is immensely productive, clusters of 4 to 7 fruits are produced at six to eight inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large, twelve to fifteen ounces. A grand, good slicing variety, the seed cells being surrounded by bright-red, heavy meaty and delicious flesh. Its color is that bright, rich red so desirable in a canning sort. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

Mrs. Wm. S. Foster of Noxubee County, Miss., writes as follows: "I want to say that when your Company can evolve a seedless tomato I do not think you can improve the Coreless. We have been growing them ever since you first introduced them and have found them superior to any we have grown. They have fewer seeds, are better flavored and are more satisfactory in every way."

Livingston's Favorite

(Introduced by Us in 1883.) Livingston's Favorite will al-

ways be that which its name implies—a Favorite with canners and in the home garden. Favorite is one of the best shaped, large, bright red Tomatoes. The fruit ripens evenly, is always smooth, and holds its size to the end of the season. Flesh is of good flavor, very solid. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

W. F. Decker, Detroit, Mich., writes as follows: "In sending you a small order for seeds I feel a desire to express my great appreciation of your Coreless Tomato. Your description of it is modest. From seed ordered last year while living at Le Roy, N. Y., I grew on a dozen plants a number of fruits that averaged 20 ounces in weight, while all were of large size, beautiful in color, smooth, globe in form and very superior in flavor. The Coreless might well have been named the Twenty-Ounce Ne Plus Ultra Tomato."

J. T. Cooksey, Wayne Co., Ohio, says: "I never used any of your seeds except your Favorite Tomato which I grew for the canning factory three years ago and they were the nicest Tomatoes hauled in there that year. If I am as well pleased with the other seed I am ordering this year you can count on me as a future customer."

Mrs. Samuel H. Housel, Somerset Co., N. J., says: "Your seeds are the best I have ever grown, the tomatoes are more than fine."

Mr. J. S. Kline, Lewis Co., Ky., writes: "I have used your seeds for the past ten years and have the first time yet to be disappointed in them. I wish to add a word of recommendation in behalf of 'Livingston's Coreless Tomato.' Last year I grew them exclusively. They were the admiration of my friends and neighbors in both looks and taste, also in yield. They surpass anything I ever saw in the tomato line, and you have just cause to be proud of them."



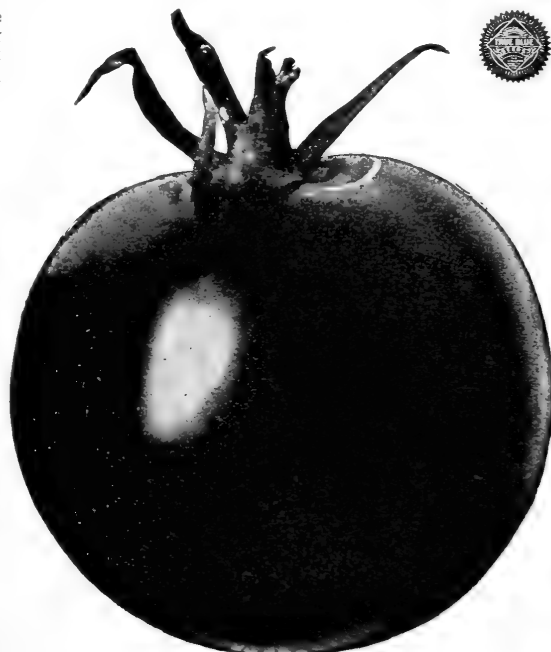
Livingston's Hummer

(Originated by Us and Introduced in 1907.) Is round as a ball, smooth as an apple, a good variety for forcing, very prolific, and has very little indenture about the stem end. The color of the fruit is very attractive bright scarlet. The flesh is a rich crimson scarlet, and of the very best quality. In size an excellent variety for canner's use, as a large percentage of the fruits can be put into the can whole; quite early; desirable in latitudes where the crop must be produced in a short time.

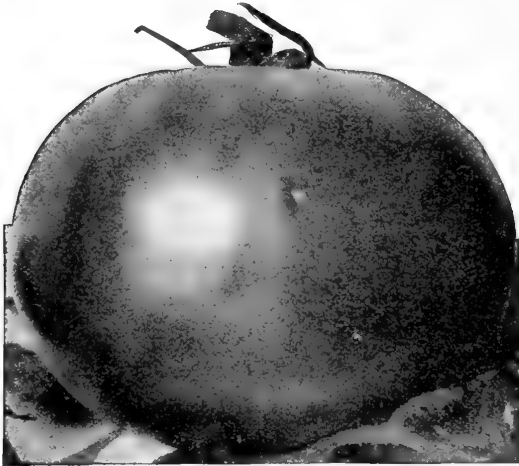
It is hard to beat for market and home garden. It is a healthy, vigorous grower of medium-sized vines. The fruit itself is solid. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

A. Gallaher, Toronton, Canada, writes as follows: "I write to let you know how well pleased I am with the Tomato Seeds I received from you last Fall. I raised two hundred plants including Hummer, Mangus, Beauty and Globe and I tell you they were a beautiful sight to see. I entered six Livingston's Globes in the A. O. U. Section at the Canadian National Exhibition and won first prize. I feel that there cannot be too much credit coming to your firm for the way you have introduced the tomatoes."

John W. Clevenger, Ramsey Co., Minn., writes: "I purchased some seed from you sometime ago which contained some of the 'Hummer' Tomato and the 'Hummer' is sure just what the world calls for."



Livingston's Hummer



Livingston's Acme

Livingston's Acme

(Introduced by Us in 1875.) As a shipping sort for growing in Southern States it is one of the best. This was the first perfectly smooth, large purple Tomato introduced. Today, after all these years, it is still the leading sort with extensive growers in the South, particularly in Texas. It is a smooth, uniform, medium-sized, early, purple-fruited sort, very prolific. Fruits in clusters of four or five, are of medium size and free from cracks; are solid and stand long-distance shipment; quality fine. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

E. D. Stafford, Hartford Co., Conn., writes: "I have never seen a tomato that compares with Livingston's Buckeye State. I get 75 cents a bushel, while others are selling for 35 cents."

Mr. H. J. Lewis, Fulton County, Georgia, writes as follows: "I planted your Manyfold and Buckeye State Tomato Seed last year and found them to be O. K. I had twenty-two plants of the Manyfold and on June 28, I counted four hundred and forty-four Tomatoes, on them one cluster of (four Tomatoes) of the Buckeye States weighed four pounds and 5 ounces."

A. A. White of Belmont County, Ohio, writes as follows: "As I am quite an admirer of the 'Livingston's Tomato' if there is any that are better, I have not seen them as yet."

Miss E. F. Barfield, Cook County, Illinois, writes: "Thank you very much for your lovely catalogue. I have planted some of the Tomato seed in flower pots and put them in a sunny window. I am going to try for some early Tomatoes. Last year the cold weather came and we had very few ripe ones. I think you have the finest varieties of Tomatoes of any seedsman. I am sending you a small order now and will send again if I have work. I see so many things I would like to plant."

Livingston's Paragon

(Introduced by Us in 1870.) This was the first perfectly smooth, deep red Tomato ever offered to the American people. We have endeavored to keep it up to the original high standard, and there are many gardeners and catsup-makers who today, after 50 years, would not have any other kind for a main cropper. It is an immense yielder in time of ripening, a medium early. The fruits are of large size and remain so throughout the season. Flesh is solid, of superior quality and of appetizing appearance. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Livingston's Buckeye State

(Introduced by Us in 1893.) The largest Tomato bearing our name. The extra large fruits are borne in clusters of three to six. Buckeye State has a smooth skin of dark purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. The principal objection to "mammoth" sorts has been their rough and uneven skin. In Livingston's Buckeye State we have been successful in eliminating these weak points, and planters everywhere will appreciate the beautiful large fruits which are exceedingly showy and find a ready sale. Pkts., 5c. and 10c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.85; lb., \$6.50. Postpaid.

Livingston's Perfection

(Introduced by Us in 1830.) Livingston's Perfection may fittingly be described as an improved Acme with red skin. Skin is tough, fruits remarkably solid; hence a good shipper. It is a medium-sized, smooth, bright-red sort of excellent quality. It ripens earlier than Stone, keeps its good size to the end of the season and is excellent for either market or home use. Used in northern sections for canning because early. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.35; lb., \$4.75. Postpaid.

James I. Thomason, Guilford County, N. C., wrote on March 17th, as follows:

"I planted eight varieties of your Tomato Seed and I believe that I have a plant from each seed. If your other seed I ordered will do as well, I will have a wonderful garden."

John B. Webb, Cumberland Co., N. C., writes as follows: "I have sown the Buckeye State Tomato ever since it came out and nothing can come any ways near it. It should be on the front cover of your Catalog."

L. K. Tharp, Westmoreland Co., Pa., writes as follows: "I will send for a large order in a few days, as I have no time today to select. I used your tomato seed last year, and had the best tomatoes in 30 years."

S. B. Van Norman, Harrison County, Texas, writes as follows: "Enclosed please find P. O. money order for \$4.70 for order of seed. I ordered a small lot of seed of you in 1919 and was so well pleased, I am increasing my order for 1922. I had exceptionally good results with your Tomatoes. I sold over \$40.00 worth of tomatoes from 192 plants, had as many as 9 well developed tomatoes on them. Our County Demonstration Agent said I had as fine tomatoes as he ever saw, also my Banker said he never saw such fine tomatoes."

N. H. Wilson, Jefferson County, Arkansas, writes as follows: "I have been planting Livingston's seed for more than 15 years, especially tomatoes and have been well pleased with your seed."

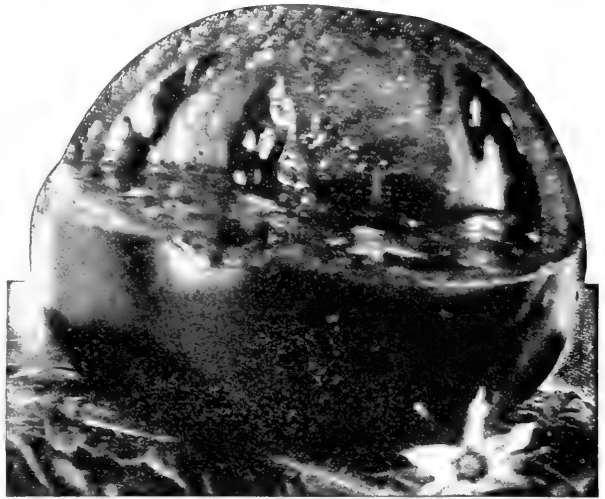


Livingston's Paragon

Tomatoes (Continued)

Livingston's Magnus

One of the Finest for Growing on Stakes
(Introduced by Us in 1900.) This distinct variety, of the color of Livingston's Beauty, is one of the most valuable additions to the Tomato family. It is large, early, thick, heavy and solid, and one of the most handsome varieties in cultivation. **Livingston's Magnus** is unsurpassed in quality and in the production of fine, large fruits. While well adapted to main crop planting, it also takes first rank for early market purposes. The form is perfect, uniform, large and attractive; quite deep through from stem to blossom end. The flesh is very firm. A robust grower, with short joints, and is a very heavy cropper. It has the broad foliage which prevents sunburn in hot sections. Ripens evenly. For staking up in the open field, as well as for forcing in greenhouses it is a fine sort. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.



Livingston's Magnus

Mrs. Emeline T. Beck, Muscogee Co., Ga., says: "Please send the seed right away. I planted 1-10 of an acre in Livingston's Magnus Tomato and harvested 964 pounds of marketable tomatoes of most superior quality. Since then I have planted other seeds and have not been able to raise enough tomatoes to supply my table. I will never plant other than Livingston's True Blue Tomato seed again."

All Prices in This Catalogue are Subject to Change Without Notice.

LeRoy N. Brown, Erie Co., Ohio, says: "If you have never before been entitled to the highest seat, you certainly are now, for your Livingston's Magnus Tomato is the finest I have ever seen or grown."



Livingston's Dwarf Stone

Livingston's Dwarf Stone

(Introduced by Us in 1902)

The advent of Dwarf Stone marked a new epoch in Dwarf Tomatoes. The fruits are larger than those of Dwarf Champion and nearly as large as those of our Standard Stone.

It is very prolific. Fruit smooth; ripens evenly, and medium early. The color is bright red. The plants of Livingston's Dwarf Stone are of such sturdy upright growth that they may be set as close as 18 to 24 inches apart, if necessary, and still produce an abundant crop. A great sort to be grown in small gardens where space is limited. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

Livingston's Improved Dwarf Champion

Bears fruit fully one-third larger than the original Dwarf Champion. Fruit is produced in clusters of three to five. Of a beautiful glossy purple; firm, solid, thick flesh, with large mealy center. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

George W. Moore, Milwaukee County, Wis., writes: "If you have a book on tomato culture I wish you would let me know as I would like to get it. I had the finest crop of Tomatoes from the seeds I got from you last year. They were the wonder of all my neighbors."

Livingston's Dwarf Aristocrat

(Introduced by Us in 1893.)

This Tomato in habit of growth and foliage resembles the Dwarf Champion, but the color is a beautiful rich, glossy red. The solidity, productiveness, smoothness, flavor of its fruit are all that are to be desired; size medium. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.50; lb., \$5.50. Postpaid.

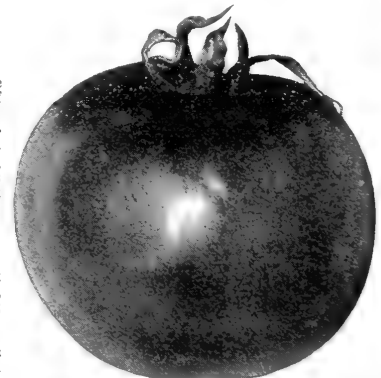
Dwarf Giant

A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant. Tomatoes are smooth and of regular size and shape. Of the same color as Ponderosa—the originator calls it a "Dwarf Ponderosa." Pkt., 10c.; ½ oz., 30c.; oz., 50c.; ¼ lb., \$1.60. Postpaid.

Livingston's Dwarf Yellow Prince

(Introduced by Us in 1898)

A very choice Dwarf-growing yellow Tomato. Very early. Flesh is solid and the flavor is desirable. Of large size and beautiful shape. When sliced with red or purple sorts it is highly ornamental. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.25. Postpaid.



Livingston's Improved Dwarf Champion

Tomatoes (Continued)

Livingston's Golden Queen

(Introduced by Us in 1882.) "Queen of all the Yellows." Of superior flavor, it is solid, always smooth, entirely free from ridges, large in size, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40. Postpaid.

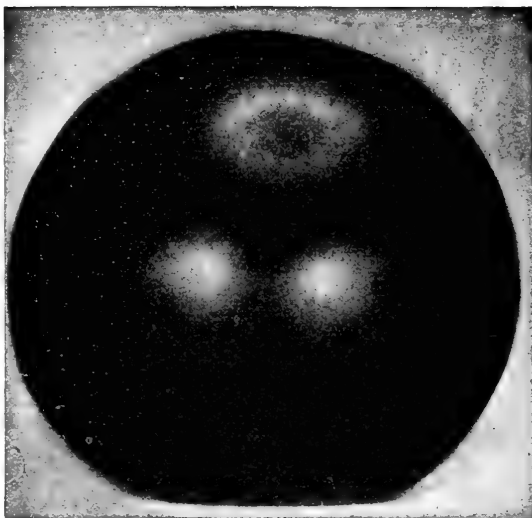
Cooper's Special

A variety which has been highly recommended by the Florida growers. It is a rather globe shaped sort, of about the same size and color as our Livingston's Globe. The vine is said to be shorter and fruits are set in clusters of four to five fruits every five to six inches along the stock. We have only a limited supply of the seed and can therefore offer only in packets. Pkt., 15c.; 2 Pkts., 25c.

Livingston's Gold Ball

(Introduced by Us in 1892.) Beautiful canary-yellow; flesh thick, fine quality; handsome color; grows in clusters and produces enormous crops. Pkts., 5c. and 10c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Mrs. George Endres, Blair County, Pa., writes: "I would like to have the seeds as soon as possible. I was very much satisfied with them last year and I hope that they will be just as satisfactory this year as last year."



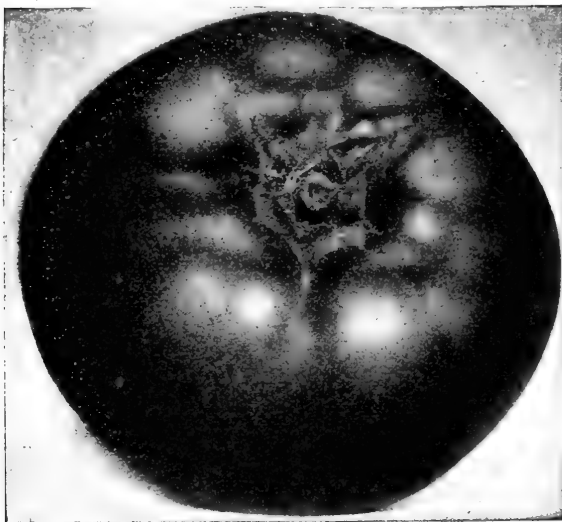
Earliana

Earliana

The earliest smooth, bright-red Tomato of good size. It has been developed in Southern New Jersey, where effort is made to market Tomatoes at the earliest possible date. It is so far superior in hardness, sure-setting of fruits, size and smooth uniform shape, now practically controls the markets of many important cities during the last week of June and the month of July. The plants are compact in growth, with short, close-jointed branches, setting fruits very freely. With the Livingston strain of Earliana the fruits are quite uniform in size and of smooth, regular form, averaging three inches in diameter, and about two inches in depth; they are fleshy, solid and excellent for shipping purposes. Pkt., 5c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30; lb., \$4.50. Postpaid.

Geo. W. Monnig, Creek County, Okla., writes: "I have had very good success with your Tomato Seed the last two years and have my neighbors looking to me for their plants. In fact I have usually had about as many Tomatoes as my three added together."

E. W. Wilcox, McKean Co., Pa., writes: "I want to say after using Livingston's seeds for several years that I find them very fertile, clean, and second to none. And always reasonable in price, while others put the price to 10c per pkt., you still hold to the 5c basis, and you don't reduce the size either."



June Pink

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. In color it is a bright, pleasing pink, and in markets where a pink Tomato is desired, it is a great seller. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Chalk's Early Jewel

A little later than Earliana—A heavy cropper, larger size, fine flavor. Brightest scarlet; ripens up to stem without green core. Flesh thick, bright scarlet, solid, excellent flavor. One of the largest cropping, medium early, varieties we grow. Comes into bearing ahead of Livingston's Stone, almost as large. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

C. L. Richmond & Sons, Denver County, Colo., writes as follows: "We have just finished our tomato crop and the seed we got from you last spring proved to be very satisfactory and we appreciate your promptness in filling our order."



Chalk's Early Jewel

Tomatoes (Continued)

Matchless Tomatoes

A fine, smooth main crop Tomato, of rich cardinal red color, with solid flesh of finest quality. Grows to good size which it maintains throughout the season. Very similar to Livingston's Stone. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Trucker's Favorite

A purple fruited sort of excellent quality, highly esteemed in many Eastern and Southern markets. Grows to uniformly large size which is maintained until late Fall. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Fine for slicing or cooking. Quite similar to our Livingston's Beauty. Plants are very thrifty, free from rust or blight and bear continually until killed by frost. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Early Detroit

A very productive, early purple sort, uniform in size of fruit, free from cracks, and does not blight easily. Fruit large and smooth. Vines vigorous and quite productive. Quality excellent. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

C. N. Prue, Norton County, Kansas, writes on March 7, as follows: "The first seed order I sent you was the spring of 1891, thirty years ago, and I have sent you many orders since, and they have all been satisfactory. There is no place like Livingston's for tomato seed, to me."



Ponderosa (Two-thirds Natural Size)

Ponderosa

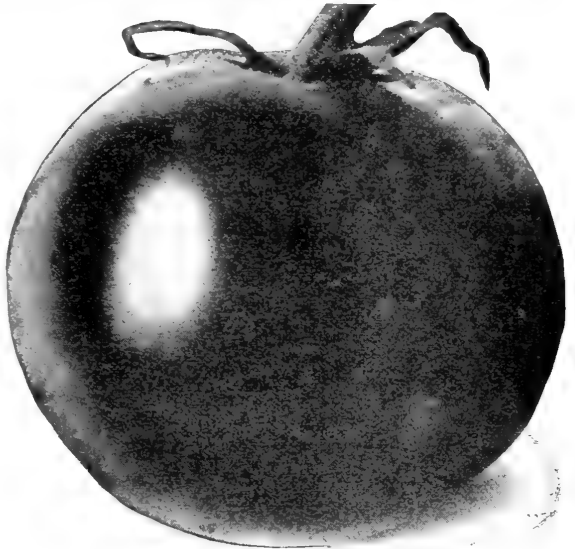
The largest variety of practical value. The fruits ripen early and bears well until very late; very solid, almost seedless, of good sub-acid flavor and of immense size, frequently weighing considerably more than two pounds. Somewhat scattered on the vine, and a small percentage are rather rough. Our strain, however, is now producing a much smoother fruit than when first introduced. Good Tomato for home use; splendid slicer. Pkts., 5c. and 10c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.85; lb., \$6.50. Postpaid.

Golden Ponderosa

Golden Ponderosa equals Ponderosa in size, shape and quality, but is a rich 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., 10c.

Red Rock

Red Rock is, as the name indicates, a scarlet fruited sort of large size. We class it as a late variety, but if started quite early will mature most of the crops before frost. A good general purpose sort and used as a canning variety by some. Pkt., 5c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.15; lb., \$4.00. Postpaid.



Bonny Best

Bonny Best

Best Red for Greenhouses

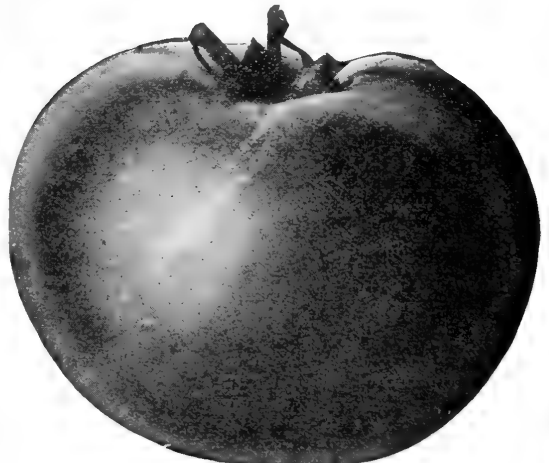
One of the finest bright red sorts for growing in greenhouses, and a good one to follow Earliana in the open field. It has been highly recommended by U. S. Dept. of Agriculture as well as big growers and shippers throughout the country. Bonny Best is a favorite Tomato of medium size. They are of bright scarlet color, always smooth and of remarkably uniform size and shape. A splendid sort for market and shipping. Pkt., 5c.; ½ oz., 25c.; oz., 45c.; ¼ lb., \$1.40; lb., \$5.00. Postpaid.

Colossal

A strain of Ponderosa which is said to exceed it in size. A slice of this enormous fruited sort, looks like a piece of beefsteak. The fruit has purple or pink skin and many of them are quite smooth. It is of delicious flavor, and extra fine for slicing. Pkt., 10c.

Mr. O. A. Ulman, Wayne County, Ohio, writes: "I know that your seeds are good. Have never had any that did not grow."

All Prices Quoted in This Catalogue are Subject to Change Without Notice



Red Rock

Tomatoes (Continued)

Crimson Cushion

An extremely large bright red variety of the Ponderosa type; ripens evenly; good quality; late. Pkt., 5c.; ½ oz., 30c.; oz., 55c.; ¼ lb., \$1.85; lb., \$6.50. Postpaid.

John Baer

An extra early red fruited sort of merit. The fruits are large, nearly round, smooth and of good quality. It is a good variety for market gardeners and for shippers. Pkt., 5c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30; lb., \$4.50. Postpaid.

Greater Baltimore

A mid-season red variety, very heavy, due to its extreme firmness and very thick meat. Fruit ripens evenly; free from ridges and cracks. A good canning sort. Pkt., 5c.; ½ oz., 25c.; oz., 40c.; ¼ lb., \$1.30; lb., \$4.50. Postpaid.

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 peach. Color a rich golden yellow; very productive. Pkt., 5c.; ½ oz., 25c.

Golden Husk or Winter Cherry—This delicate husk-enveloped Tomato is unequalled for making preserves and pies. Have a strawberry flavor and are very productive. Fruit a handsome golden color, the size of large cherries. Pkt., 5c.; ½ oz., 30c.

Purple Husk—Beautiful; very productive. More acid than Golden Husk. 1 to 2 inches in diameter. Pkt., 5c.; ½ oz., 30c.

C. B. Carpenter, Labette Co., Kans., writes as follows: "I ordered my Tomato Seed from you last year. The seeds came well but the hot, dry weather got away with about all except the Manyfold, which stood the heat and drought remarkably well. I would like my order filled soon, as we grow Tomato plants in hot beds for the public. Many people go wild over your Globe Tomatoes, and we think they are fine."

Ruben Turnips Nabos

First-early varieties of Turnips should be planted just as early in the Spring as the ground is dry and warm. Sow them in drills, beds, or later broadcast, or among corn. The Ruta-Baga varieties, and also the early sorts, will do better if planted in drills, make the drills at least 18 inches apart, and thin out the plants when well up to six inches apart. Cultivate often and thoroughly. We call especial attention to the fact that the Ruta-Baga varieties should be planted as soon as possible after the middle of June, as they need a longer season than the earlier sorts of Turnips. **One ounce of seed sows 100 feet of drill; one pound an acre.**

Extra Early White Milan

This variety is extremely early and because of their small, strap-leaved upright tops, may be planted quite close together, both in the row and in the width of the rows. The roots are clear white, very smooth, flat and are of best quality when only about two inches in diameter. The flesh is clear white, mild, sweet and tender. Very desirable for early use and is used also for forcing. Pkt., 5c.; ½ oz., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25. Postpaid.

Extra Early Purple Top Milan

Similar to Extra Early White Milan, except that the roots are a little flatter and an attractive purple-red on the upper portion. Well adapted for forcing. The Milans are the very best for Extra Early and their quality is fine. Pkt., 5c.; ½ oz., 10c.; ¼ lb., 45c.; lb., \$1.50. Postpaid.

H. E. Richards, of Cook County, Ills., writes on January 19th, as follows:

"I have had such wonderful success with gardens raised from your seeds, even under the adverse conditions of Oklahoma, that I am anticipating even more splendid results here, under better garden conditions."

Small Fruited Tomatoes

Excellent for Preserves
Pickles and Pies

Red Currant—Smallest of all sorts. Pkt., 5c.; ¼ oz., 15c.

Red Cherry — Pkt., 5c.; ¼ lb., 15c.

Red Pear—Pkt., 5c.; ¼ oz., 15c.

Yellow Cherry—Pkt., 5c.; ¼ oz., 15c.

Yellow Pear—Pkt., 5c.; ½ oz., 30c.

Yellow Plum—The finest of the small varieties. Pkt., 5c.; ½ oz., 30c.; oz., 50c.

Mixed Small Tomatoes—Above 6 sorts. Pkt., 10c.



Yellow Plum

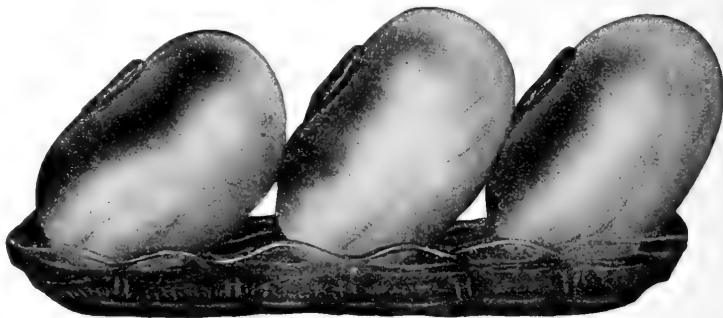
Rebecca White, Gadsden Co., Fla., writes as follows: "Your seeds are wonderful. My garden last year was a surprise to myself. Especially fine were my Tomatoes."

Mr. James L. Fuller, Cabell County, W. Va.

Dear Sir:

Your shipment was received just in time it was expected, and was O. K.

I was very much pleased with the order and hope to give you another soon.



Purple-Top Strap-Leaf

Purple Top Strap Leaf

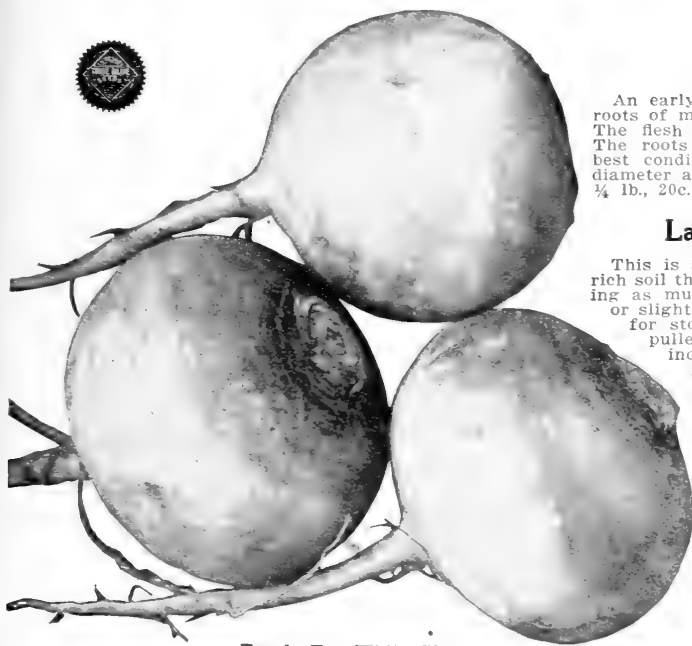
An early strap leaved variety, very extensively used for the table. The leaves are few and upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. The flesh is white, fine grained and tender. Roots when in best condition for table use are about two to three inches in diameter, but can be grown much larger for stock feeding. A very popular sort and one of the best sellers. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c, postpaid. By express, not paid: 5 lbs., \$2.00.

Early Flat Dutch or White Strap Leaved

A very early, white turnip, extensively used for the table, especially in the southern states. The leaves are upright in growth. The roots are of medium size, flat, white fleshed, fine grained and sweet. When in best condition for table use they are about three inches in diameter. This variety is also grown as a field crop. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Postpaid.

Written by Geo. W. W. Edson, Maynard, Mass.

"I was very much pleased with the seeds I bought from you. Their germinating and vigorous qualities surpassed anything I received from any other seedsmen."



Purple Top White Globe

Purple Top White Globe

The roots are large, purple or dark red above ground, white below. The flesh is white, fine grained and tender. The roots when in best condition for the table are about three inches in diameter, but can be grown much larger for stock feeding. This sort keeps well and is one of the best for market use and is also a popular home garden sort. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. postpaid. By express, not paid: 5 lbs., \$2.00.

Yellow Globe or Amber

One of the best yellow fleshed varieties, grown usually for stock feeding but is also a good table variety. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. The variety keeps well and is a good cropper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Golden Ball or Orange Jelly

One of the very best varieties of yellow fleshed turnips and one of the mildest flavored. Tops small; roots medium sized, round, very smooth and with deep yellow skin. The flesh is firm, crisp and of most excellent quality. The roots are in best condition for table use when about three inches in diameter. This variety grows very rapidly and may therefore be planted either in early Spring or late Fall. It is a very good keeper Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Ruta-Baga

(Swedish or Russian Turnips)

Ruta-Bagas are more especially adapted to sections north of Ohio. They require a longer season for maturing, hence should be sown earlier than Turnips, or about June 15th.

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 without the stringy nature common in some sorts. A valuable stock food and is used as a table variety by many. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Large White Russian

An excellent keeper and very desirable either for the table or for stock although as not as desirable as the American Purple Top for table use. The roots are very large, nearly globe shaped or somewhat top shaped; color white with a shade of green or bronze at the top. The flesh is white, very firm and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Turnips (Continued)

White Egg

An early, egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The flesh is clear white, firm, fine grained and sweet. The roots of this quick growing garden sort when in best condition for use are usually about 1½ inches in diameter and about three inches long. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Postpaid.

Large White Globe Pomeranean

This is a very productive sort and if planted in good rich soil the roots attain very large size, sometimes weighing as much as 10 pounds. The roots are globe-shaped or slightly flattened; skin very white and smooth. Used for stock feeding and is also good for table use if pulled when the roots are not more than four to five inches in diameter. The tops may be used for greens. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Seven Top

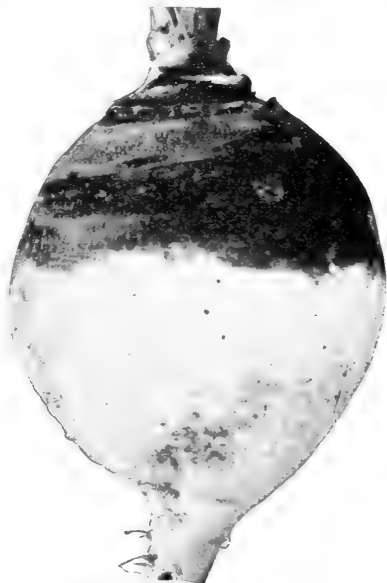
This sort is cultivated extensively in the south for the tops which are used for greens and in many parts of the country is a favorite green feed for stock and its use like Rape for a pasture crop is quite general. This sort is very hardy and the growth usually continues throughout the winter. The variety is not depended on for the root since the tops are produced so abundantly. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.

Long White or Cow Horn

This variety is clear white, except a little shade of green at the top of the root, which is long and is in form somewhat similar to a carrot but slightly crooked. The roots are often twelve to fifteen inches long by about two and one-half inches in diameter and grow about three inches out of the ground. The flesh is fine grained and well flavored, and for table use is in best condition when the roots are about two inches in diameter. Desirable for stock feeding and has obtained considerable favor as a market sort. This variety is used by a great many as a "turn under" crop to improve the soil. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. Postpaid.

Early Snowball

Medium-sized round Turnip, pure white, very fine flavor; flesh is fine grained; one of the best table varieties. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. Postpaid.



Improved American Purple Top

Livingston's Thoroughbred Field Corn Seed

Prices of all Farm Seeds quoted in this Catalogue are subject to market changes. The prices given are those ruling at the time this Catalogue is published, January 1st. But we reserve the right to change prices without notice.

Fifty-six pounds of Field Corn Seed will plant five and one-half to seven acres, according to variety and whether the hill or drill method of planting is followed. Livingston's Thoroughbred Field Corn Seed only costs you 50 to 60 cents for sufficient seed to plant an acre. No two resembles one another, and all grown in Central Ohio.

Situated, as we are, in the very best territory in this country, for growing and perfecting Field Corn, we would impress upon you the fact that our facilities and opportunities for securing and supplying the most thoroughbred strains of Field Corn are not exceeded by any seed firm.

All our Field Corn Seed is well matured, thoroughly cured, and shelled with the greatest care. We test all varieties before sending the seed to our customers, that there may be no doubt as to the vitality. To avoid delay when ordering, **let us in the season, it would be well for you to mention your second choice, or state whether we shall send you a sort adapted to your locality, or refund your money, provided we are sold out of your first choice. Field Corn Seed on the ear can only be supplied while our present stock lasts.**

Livingston's Golden Surprise

The Large Amount of Corn Produced on Such Small Cobs Surprises Everyone. Entirely Distinct. Stalks Short and Strong. Ripens in 90 to 100 days. Ears Medium Size, Deep Grained, Small Cob. A great Feeding Corn.

A variety of great merit offered and named by us in 1898, and, as anticipated, it has met with great favor wherever it has been tested. Our description of Golden Surprise Field Corn consists of plain statements and simple facts.

Our illustration is from a photograph, and will give you an accurate idea of the ears. The Corn as a whole, is indicative of its name: beautiful in its rich golden color and even size from butt to tip of the ear. Profitable in its depth of grain and small per cent of waste in cob. Convenient in its short fodder growth and easy break of ear from the stock. Certain in its early maturity, and, all points considered, the best early Corn up to date.

Golden Surprise was not offered to the general public until after ten years of the closest careful, critical observation and selection. Tested for years in various localities in comparison with well-known sorts, we find it equal in average bulk to any on the market, but in depth of grain and weight of shelled Corn per bushel, it has no competitor. Its habit of growth is vigorous, medium and strong stalk, with broad leaves, which makes it a valuable fodder Corn. For prices, see below.

Neller's Cattle Corn

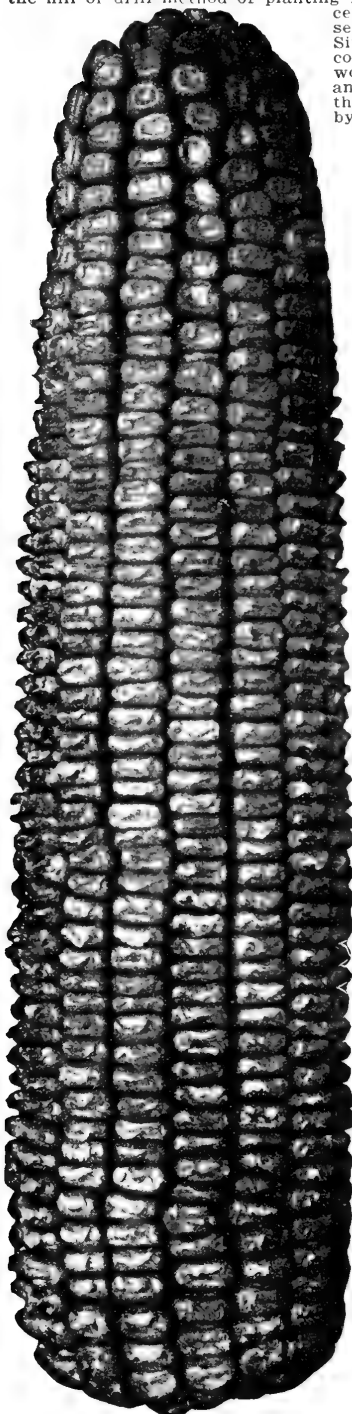
This very desirable strain of Corn was brought into Licking County, Ohio, from an adjoining county some thirty or more years ago by a local cattle breeder. And as it was especially well adapted to cattle feeding, became very popular wherever tried, not only for cattle feeding, but for general use as well.

Our attention was directed to this Corn some time since, and ten years ago when good seed corn was so hard to procure, we introduced it to our trade through our retail store. Nine years ago we catalogued this variety and reports from all directions to this date, (October, 1921) are especially satisfactory and we look upon it as one of our very best strains for general growing; quite uniform in shape and style of ear and a sure cropper.

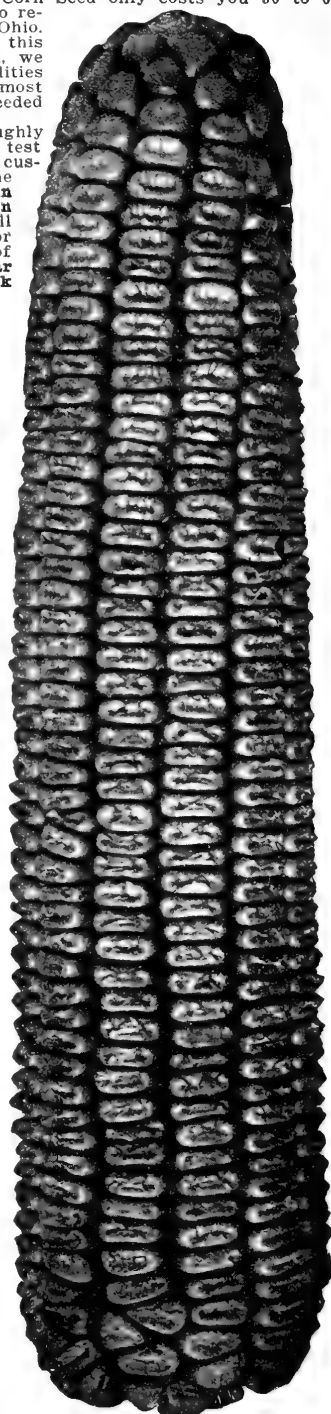
The corn is a good strong yellow in color, has deep, well-formed kernels, well dented, but not chaffy, set on a small dark red cob. Ears have 12 to 16 rows and often 12 inches long and well-grained over the ends; fodder an average in size and leafage. In this locality will ripen in 90 to 100 days.

Uniform prices on all varieties listed above are: Prices—Shelled Large Pkt., 10c.; lb., 20c., postpaid. By express or freight: 2 lbs., 35c.; 7 lbs., 50c.; 14 lbs., 90c.; 56 lbs., \$3.00; 100 lbs., \$5.25; 68 lbs. ears, \$4.00.

All Prices Subject to Market Changes.



Golden Surprise



Neller's Cattle Corn

NOTICE: Do not forget that our field corn is all grown in Central Ohio, and fully acclimated. This should not be overlooked in deciding where to place your order.

Kilbury's Yellow Hybrid

A New and Very Desirable Variety. Earliest Large-Eared Corn in Cultivation. Handsome, Uniform Ear, Deep Grains.

This splendid Corn is one of the most valuable new varieties which has come under our notice for a long time. (See illustration.) The following is originator's description: "Kilbury's Yellow Hybrid Corn is deep in color, with red cob, which tapers uniformly from butt to tip, with deep grains well compacted on cob. Ears large, from 9 to 12 inches in length. Fodder large; ears $3\frac{1}{2}$ to 5 feet from ground, husks easy; does not fall off in handling.

The earliest large Corn on the market. Plant any time in May; it has matured planted as late as June 15th. This corn has been successfully grown for 20 years on black loam and clay soils, and is well adapted to both."

After careful examination of this Corn, both growing in fields and after being harvested, we believe it to be all that Mr. Kilbury claims. It is the result of careful selection from hybrids, of Leaming and Clarage, but is much larger than either of the parents. It is a large, medium early Corn; safe to plant in localities no colder than Ohio. If you want the **earliest big-eared** Corn grown, with large, heavy, deep grains and small cob, a yellow corn, plant **Kilbury's Yellow Hybrid.** For prices see below.

Johnson County White Dent

This variety is a cross between Boone Co. White and Forsythe Favorite and developed and introduced by L. E. Clore and has had 25 years of careful, painstaking and intelligent selection, and breeding. For the corn-growing belt, we are quite sure there is no White Corn grown today of equal merit. The Corn has become famous for yield and quality and especially valuable where one wishes to grow show stock.

The shape of the ear is cylindrical to within about 2 inches of the tip, then slightly tapering. Tips fill well over the end and a large per cent of the ears are entirely covered with grains; the butts are well rounded out with a medium-sized shank, kernels very uniform wedge-shaped, pure white, and white cob; ears average about 10 inches in length with the circumference about three-fourths of the length.

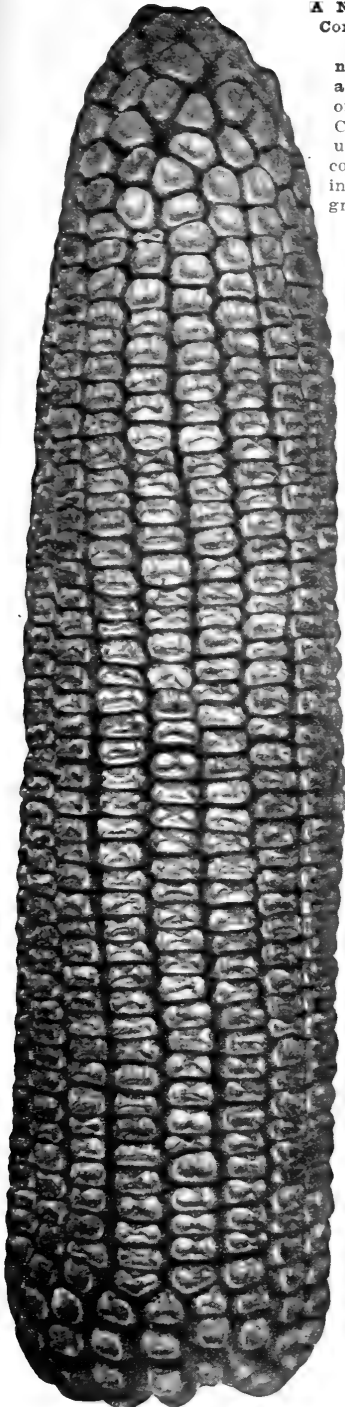
Of strong and vigorous habit of growth and well covered with broad blades—very valuable for ensilage. The length of season is about 120 days. This corn has been successfully grown as far north as Ft. Wayne, Ind., and Marion, Ohio. We especially recommend it for the great corn-growing valleys in latitudes of Columbus and south.

Uniform prices for all varieties listed above.

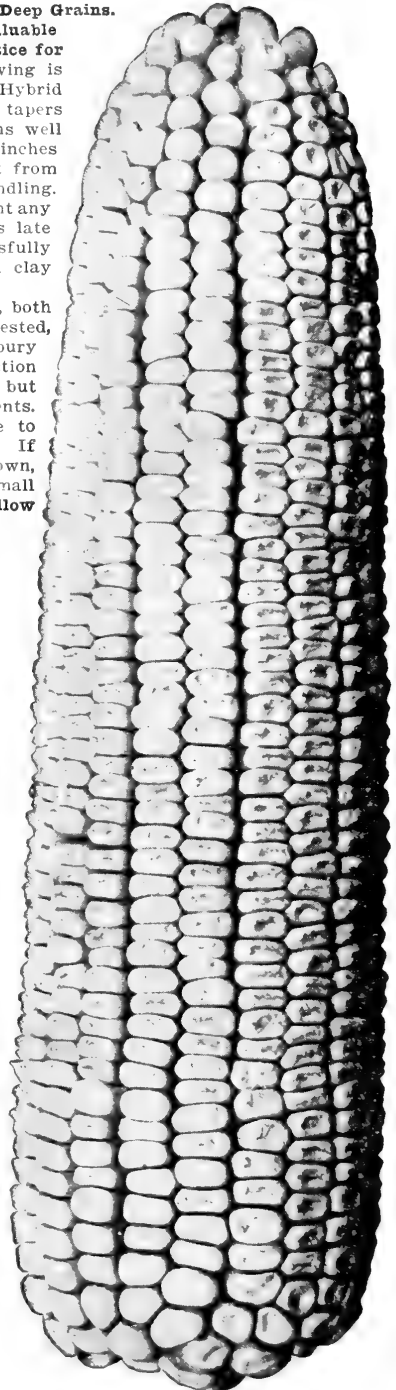
Prices—Shelled, large pkt., 10c.; lb., 20c., postpaid. By express or freight 2 lbs., 35c.; 7 lbs., 50c.; 14 lbs., 90c.; 56 lbs., \$3.00; 100 lbs., \$5.25; 68 lbs. ears, \$4.00.

As corn prices are made before corn conditions are fully known, those wanting larger quantities will please write for special quotations.

All Prices Subject to Market Changes.



Kilbury's Yellow Hybrid



Johnson County White Dent

Corn (Continued)

The splendid varieties of Corn described and priced in this catalogue have all been grown especially for seed, and will be found well cured and true to name—in fact, first-class in every respect. We would ask our customers to place their orders as early as possible while our stocks remain unbroken. Prices of Field Corn by Packet and Pound include postage. On large quantities, by parcel post, express or freight, purchasers must pay the transportation charges. See page 3 for parcel post rates.

True Yellow Leaming

The Standard Variety for Quality

An extensively grown, large, Yellow Dent variety, which we have grown and sold with the greatest satisfaction for years. Our improved strain we do not believe is excelled, if equaled, by any other now offered. It has pure, glossy yellow ears growing low, on very strong, heavy stalks, grains square and deep; ripens quite early—frequently in 100 days from planting. Yields from 75 to 100 bushels per acre. Adapted to rich soils. See illustration.) For prices, see below.

All prices subject to market changes.

True Yellow Clarage

Best Second Early. Sure to Ripen.

This variety has been grown extensively in this locality for over 50 years, and is one of the surest cropping varieties ever grown here. Ripens between Pride of the North and True Yellow Leaming. Ear medium in size, very uniform its entire length and well filled out at both ends. Husks very easily; of rich golden yellow color and very productive. In favorable seasons will ripen planted as late as the first of July. Highly recommended as one of the best in points of early maturity, productiveness and very rich in feeding qualities. (See illustration.) For prices, see below.

White Cap Yellow Dent

An old popular variety. This old favorite has been known for many years as a good yielder on all kinds of land. A very strong and hardy strain and recommended for thin soils. The ears are large and well covered, cob is both red and white. The grain has white cap, is well dented and of good depth with lemon colored body. Can be planted safely in any part of Ohio and similar latitude. For prices, see below.

Pride of the North

A very early Yellow Dent Field Corn, and can be successfully grown farther North than can any other Dent variety. It ripens very readily, even in New England. It also matures perfectly in 90 days and is very frequently safe from frost in 75 days. Very hardy, ears of uniform size; too small for a main crop, but right size for stock feeding; cob small, kernels set closely on cob and are long and compact. This variety is planted quite largely for early crop to feed stock while yet green; and is also planted late when larger varieties could not possibly mature before the frosts.

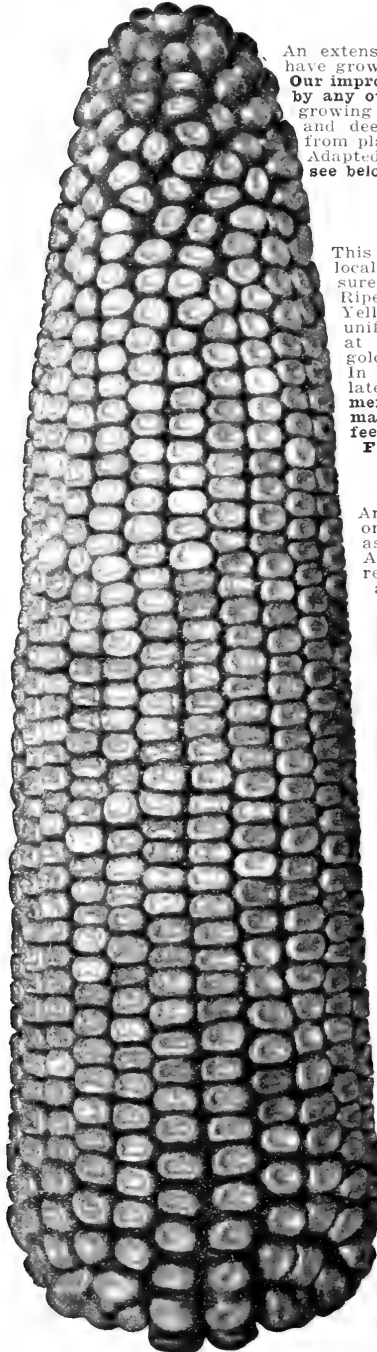
UNIFORM PRICES FOR ALL VARIETIES LISTED ABOVE:

Prices—Shelled, large pkt., 10c.; lb., 20c., postpaid. By express or freight, 2 lbs., 35c.; 7 lbs., 50c.; 14 lbs., 90c.; 56 lbs., \$3.00; 100 lbs., \$5.25; 68 lbs. ears, \$4.00.

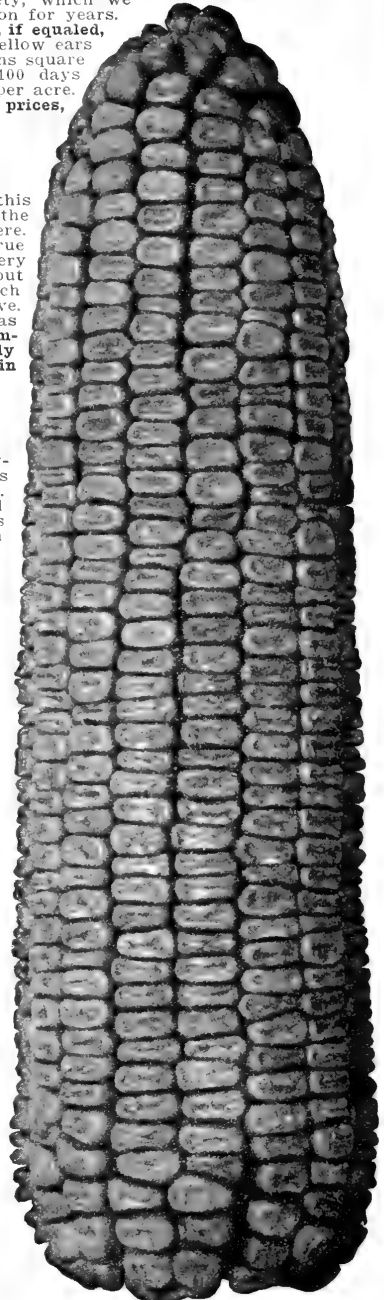
Fodder and Ensilage Corn Varieties

Red-Cob Ensilage Corn

A Southern type of large, white corn, with strong, leafy stalks and short joints. Farmers growing the Red-Cob Ensilage for the first time tell us they hardly know what to do with the enormous yield of fodder. Price, 14 lbs., 75c.; 56 lbs., \$2.40; 100 lbs., \$4.20.



True Yellow Leaming Field Corn



True Yellow Clarage Field Corn

Livingston's Mammoth White Dent Field Corn

Has been Grown Continuously on One Farm for Over 50 Years

A very large White Dent Field Corn. Has a broad, very deep, pure white kernel and cob. Grades strictly white in any market. It is very desirable for white cornmeal, and those desiring a large white corn cannot fail to be pleased with this splendid variety. As a grain crop or for ensilage we consider it the equal of any variety we have ever seen tried, and have sold it in large quantities to nearly all the dairymen around this city and many others throughout the country. We can honestly pronounce it one of the best large White Dent sorts. (See illustration.) For prices see below.

Reid's Thoroughbred Yellow Dent

See illustration on left from our own photo.

If any seed grain can truly be called pedigreed, the Reid's Yellow Dent Field Corn is certainly entitled to be known as such, as its history dates many years back. It has been bred up and selected with painstaking care to what is at the present time one of the best varieties of yellow Corn grown. Ear medium in size, remarkably uniform, and one of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row and is well filled over the ends, and especially the butt, leaving a small shank, which makes it a great favorite with huskers. Best shredding sort, as it shatters the least of any by actual test.

The Iowa Experiment Station report of 1901 gave the Reid's Yellow Dent an average of 100 bushels per acre, while the Agricultural Students' Union of Ohio, in 1908, gave it a yield of 14 per cent above all other varieties.

Uniform prices for all varieties listed above. Shelled, large pkt., 10c.; lb., 20c., postpaid. By express or freight, 2 lbs., 35c.; 7 lbs., 50c.; 14 lbs., 90c.; 56 lbs., \$3.00; 100 lbs., \$5.25; 68 lbs. ears, \$4.00.

Popping Corn

Livingston's Tom Thumb or Japanese Hulless

A great many people like to grow Pop-Corn, but there is so much difference in the popping qualities of the various varieties that one hesitates to offer anything in the line unless it has real merit. In this variety we have a dwarf growing corn, a heavy yielder of attractive ears, peculiar in form, but the grain is very similar to the best strain of White Rice Pop-Corn. The ears are short and thick, and run very uniform. Of a pearly white and the grain is of excellent popping quality and flavor after being popped. We recommend Tom Thumb, believing it will give general satisfaction. Pkt., 10c.; ½ lb., 20c.; lb., 30c.; 2 lbs., 50c., postpaid. By express, not prepaid: 3 lbs., 60c.; 5 lbs., 90c.; 25 lbs., \$4.00.

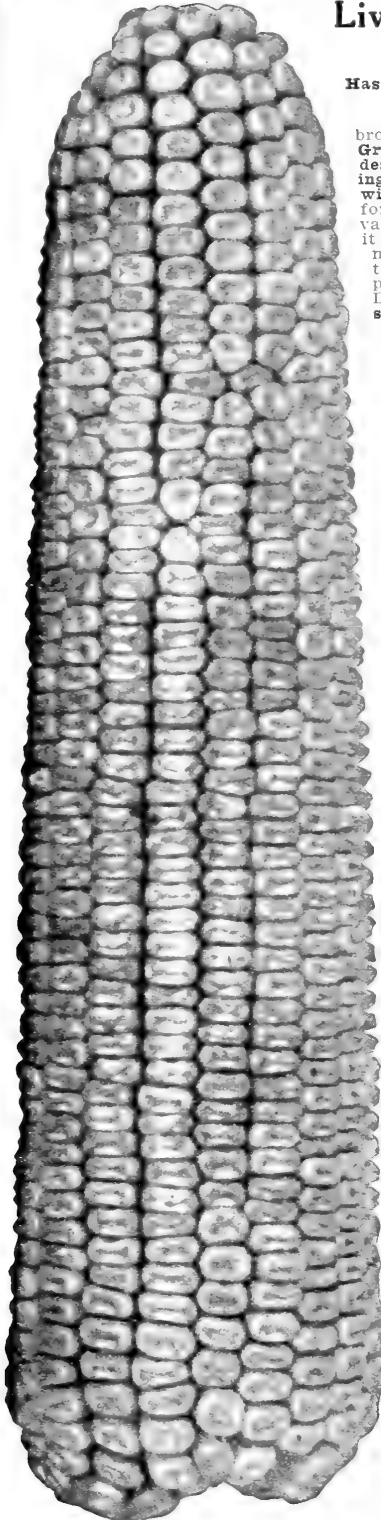
Queens Golden

Stalks grow six or more feet high with large ears produced in abundance. Pops perfectly, is a favorite with many for feeding small chicks. Prices, pkt., 10c.; ½ lb., 15c.; lb., 20c.; 2 lbs., 35c., postpaid. By express or freight, not prepaid: 3 lbs., 50c.; 5 lbs., 80c.; 25 lbs., \$3.50.

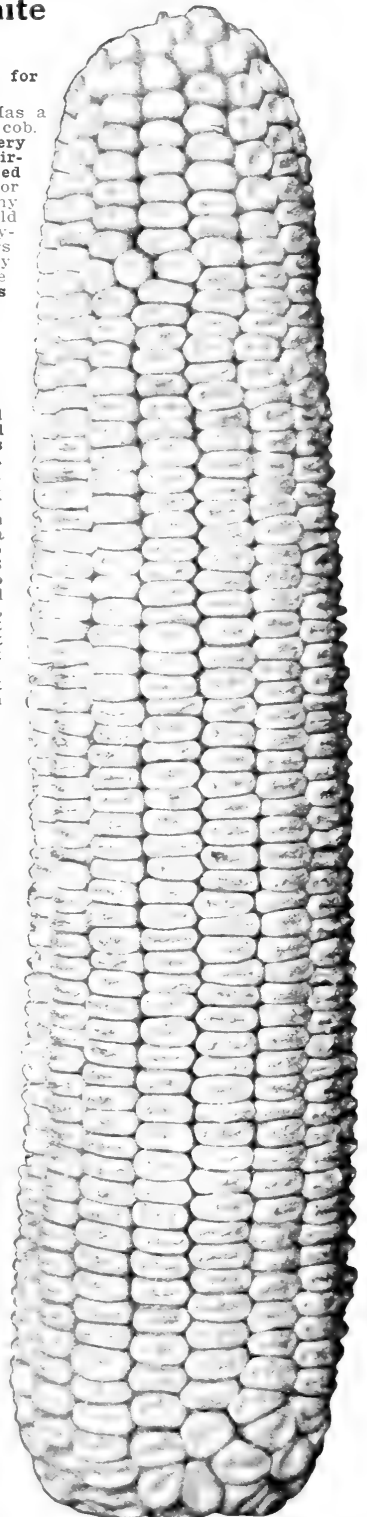
Selected White Rice

Our stock of this variety is choice, having been selected very carefully for many years. Very productive, excellent quality; very crisp and delicious. Prices, pkt., 10c.; ½ lb., 15c.; lb., 20c.; 2 lbs., 35c., postpaid. By express or freight, not prepaid: 3 lbs., 50c.; 5 lbs., 80c.; 25 lbs., \$3.50.

All Prices Subject to Market Change.



Reid's Yellow Dent



Mammoth White Dent

Livingston's Re-Cleaned Clover Seeds

Parties wishing large quantities will do well to get samples and prices before placing their orders. We handle it on a close margin and supply the finest grades. It is impossible to tell about real value without seeing samples, which will be sent free on application. A bushel of Clover Seed is 60 pounds. Pound prices are postpaid. In larger quantities, by parcel post, express or freight, purchaser pays the transportation charges. For parcel post rate, see page 3. All prices on Clover and Grass seeds are **subject to market changes** and would suggest that you write for prices before ordering.

Medium, or Common Red—The most important and valuable of the clover family. Makes the best of hay. Sow 10 lbs., per acre. Lb., 60c., postpaid. By freight or express, not prepaid, 3 lbs., \$1.35; 5 lbs., \$2.00; 10 lbs., \$3.50. For larger quantity, write for price.

Mammoth Clover—Valuable with other grasses for mixed hay. Ripens about with Timothy. Being a rank grower, it is used largely for plowing under. Sow 10 lbs., per acre. Lb., 60c., postpaid. By express or freight, not prepaid, 3 lbs., \$1.35; 5 lbs., \$2.00; 10 lbs., \$3.50. For larger quantity, write for price.

Crimson Clover—Should be sown in July, August and September of each year. Can be sown with corn, or any cultivated crop. Sow 10 to 15 lbs. per acre. Cover lightly. Use only American grown seed. The Spring following it can be cut for soiling May 1st; for ensilage, May 1 to 15; for seed about third week in June. Lb., 50c., postpaid. By express or freight, not prepaid, 3 lbs., 90c.; 5 lbs., \$1.25; 10 lbs., \$2.00. For larger quantity, write for price.

White Dutch Clover—Good in permanent pastures, especially for cattle, valuable for bees, and the best variety for silage. Sow in Spring at the rate of 5 lbs. per acre when sown alone, ½ the quantity when sown with other grasses. Lb., \$1.00, postpaid. By express or freight, not prepaid; 3 lbs., \$2.40; 5 lbs., \$3.75; 10 lbs., \$7.00. For larger quantity, write for price.

Sweet Clover or Bokhara

Melilotus Alba (White), Melilotus Officinalis (Yellow) are Biennial; Melilotus Indica (Yellow), Annual, are the varieties in general use. The white-flowered variety (Melilotus Alba) is the one we handle unless otherwise mentioned. It is the strongest grower and by far the best.

When young it resembles Alfalfa, but when mature it often stands 5 to 8 feet high and blooms from June to October. The roots of all varieties are large and much branched and penetrate the ground several feet. Being the Biennial, all top and roots die at the end of the second year if the plant ripens seed.

If cut before seed is ripe, or if pastured so that seed is not matured, the plants lasts over several seasons.

Is found growing under very varied condition of both soil and climate. It, however, prefers a limestone soil and has been largely used to reclaim old, worn-out, abandoned lands. It is of great value for this purpose.

Apart from its value as a nitrogen gatherer and humus producer, Sweet Clover is rapidly coming to the front as a hay and pasture crop. Its feed value is nearly equal that of Alfalfa, and in a short time stock eat it as readily as they do Red Clover and seem to thrive on it equally well. For hay cut just before it comes into bloom, and is handled as you would Alfalfa. It is also used extensively as a Bee pasture, the small white blooms yield much fine honey.

Sow clean hulled seed at the rate of 15 to 20 lbs. per acre, from April to Sept. 15th, with or without a nurse crop.

Price—Lb., 55c., postpaid. By express or freight, not prepaid; 3 lbs., \$1.05; 5 lbs., \$1.50; 10 lbs., \$2.50. For larger quantity, write for price.



Alsike or Swedish

Alsike, or Hybrid

(Swedish)

Hardest of all clovers. On rich, moist soil, yields large quantities of hay or pasturage. Will thrive in soils which are so wet that the Common Red Clover would not live. Unlike some of the other clover, which have tap roots, Alsike has many fibrous roots hence is not injured by freezing and thawing of the ground. Esteemed highly by bee-keepers. Sow 5 lbs. per acre. Lb., 60c., postpaid. By freight or express, not prepaid; 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.00. For larger quantity, write for price.

Prices Subject to Market Change

Notice—Do not forget to include inoculator with your order for clover and increase your chances for bumper crops. See page 56 for description and price.

A Satisfied Customer for 32 Years
Mr. Ellsworth Fay, Licking Co., Ohio, writes: "Will it be possible for you to furnish me select seed of your Livingston's Magnus Ponderosa Tomato and Livingston's Golden Surprise Corn? Have planted your seeds since 1888 and have no reason to eliminate them from my garden."



Sweet Clover

CLOVERS—(Continued)

Alfalfa or Lucerne (*Medicago sativa*)

The Greatest Feed on Earth

Alfalfa is being more generally grown as experience is teaching our farmers the proper methods to follow. Different soils do not seem so difficult to overcome, especially where they can be properly drained, pulverized, sweetened and inoculated.

Treat your land to liberal dressing of fine ground lime or more liberally to fine ground limestone some three months to a year before seeding to Alfalfa.

Sow from 10 to 15 lbs. well inoculated seed per acre, using Nitrogen. From April 1st to June 15th for the early Spring sowing, either drilled, or sown broadcast. If broadcast cover lightly with a light drag or with single stroke of a harrow.

Alfalfa naturally prefers a deep sandy or gravelly subsoil. Roots from 2 to 15 feet deep, and a good stand on properly selected land should yield from 3 to 4 cuttings a year. We make a specialty of extra high grade seed that tests 99 per cent pure or better. Get our samples and prices before ordering. Price: Lb., 60c., postpaid. By express, or freight, not prepaid: 3 lbs., \$2.70; 5 lbs., \$4.00; 10 lbs., \$7.50; 25 lbs., \$18.25. For larger quantity, write for price.

Grimm Alfalfa

Renowned the world over for its hardness; it stools very heavily and the value of this feature can hardly be estimated, as it not only affords immunity from winter losses but the protected underground buds are less liable to injuries from heavy pasturing. The spreading crown seems to be associated with a very much branched surface root system in addition to the deep tap root, and makes surface moisture easily available. Prices: 1 lb., 95c., postpaid. By express or freight, not prepaid: 3 lbs., \$2.70; 5 lbs., \$4.00; 10 lbs., \$7.50; 25 lbs., \$18.25. For larger quantity, write for price.

Re-Cleaned Grass Seed

Our Grass and Clover Seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish them with fresh, pure seed and free from noxious weeds.

Prices on Grass and Clover Seeds are changing almost daily. **AND WE CAN ONLY GIVE PRICES SUBJECT TO FLUCTUATIONS.** No charge for bags at prices quoted below. Pound prices are postpaid. In larger quantities by parcel post, express or freight, purchaser pays the freight. See page 3 for Parcel Post Rates. Owing to the European War, prices on imported seeds are still much unsettled. If interested in imported Grass Seeds or for larger quantities, write for special rates.

Best Grasses

Awnless Brome Grass (*Bromus inermis*)—Will stand long droughts and still produce heavy crops in dry sections where other grasses would surely perish. Succeeds in a wider range of temperature than any other grass. Sow from 25 to 30 lbs. per acre. Bu. 14 lbs.) Lb., 60c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.65; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$8.75; 50 lbs., \$15.00; 100 lbs., \$25.00.

Kentucky Blue Grass

(*Poa Pratensis*)—Also called June Grass. This famous grass is well known in all sections and where the land is suitable is one of the most profitable of all for pasture. It grows very slowly at the start, but when once established forms a close, compact turf, making a fine pasture, and is most excellent for lawns. It is sown at the rate of 1 to 2 bushels for pasture, and 4 to 5 bushels for lawn purposes per acre. Price: Lb., 90c., postpaid. By express or freight, not prepaid: 3 lbs., \$2.25; 5 lbs., \$3.25; 10 lbs., \$6.25; 25 lbs., \$15.00.

Creeping Bent Grass (*Agrostis stolonifera*)—Excellent for pasture when mixed with other grasses. Succeeds well in most sections and thrives in moist land. Sow 40 lbs. per acre. (Bu. 14 lbs.) 1 lb., \$1.10, postpaid. By express or freight, not prepaid: 3 lbs., \$3.30; 5 lbs., \$4.75; 10 lbs., \$9.00; 25 lbs., \$21.75.

Rhode Island Bent Grass (*Agrostis canina*)—Valuable for lawns. Sow 35 to 50 lbs. per acre for lawns, 20 to 30 lbs. for pasture. (Bu., 12 lbs.) Ask for price.

Crested Dog's Tail (*Cynosurus cristatus*)—May be sown on lawns; forms a close turf, remaining green for a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 lbs. per acre. (Bu. 21 lbs.) Lb., 85c., postpaid. By express or freight, not prepaid: 3 lbs., \$2.25; 5 lbs., \$3.55; 10 lbs., \$6.60; 50 lbs., \$30.00; 100 lbs., \$59.50.

All Prices in this Catalogue are Subject to Change Without Notice



Alfalfa Plant

Meadow Fescue (*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early; productive. Sow 25 to 35 lbs. per acre. (Bu., 24 lbs.) 1 lb., 55c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.50; 5 lbs., \$2.25; 10 lbs., \$4.20; 25 lbs., \$10.00; 50 lbs., \$19.50; 100 lbs., \$36.00.

Orchard Grass (*Dactylis glomerata*)—Extremely hardy and widely known. One of the earliest to start in the Spring; grows rapidly; furnishes an abundance of pasture the entire season. Sow 20 to 30 lbs. per acre. Bu., 14 lbs.) Lb., 55c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.50; 5 lbs., \$2.00; 10 lbs., \$3.80; 25 lbs., \$5.00; 50 lbs., \$17.50; 100 lbs., \$30.00.

Perennial Rye Grass (*Lolium perenne*)—Very nutritious; valuable for meadows or permanent pasture; rapid grower. Sow 25 to 35 lbs. per acre. (Bu., 24 lbs.) Lb., 40c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.05; 5 lbs., \$1.25; 10 lbs., \$2.20; 25 lbs., \$5.00; 50 lbs., \$9.50; 100 lbs., \$18.00.

Sheep Fescue (*Festuca ovina*)—Grows naturally on light, dry, sandy soils and mountain pastures; considered valuable mixed with other grasses for permanent early Spring pasture. Sow 15 lbs. per acre. (Bu., about 12 lbs.) Lb., 75c., postpaid. By express or freight, not prepaid: 3 lbs., \$2.10; 5 lbs., \$3.00; 10 lbs., \$5.80; 25 lbs., \$14.00.

Red Top Grass—(*Agrostis Vulgaris*)—Particularly well suited to low and wet situations, but will do well on all classes of soil. Affords splendid pasturage and a fair crop of hay, ripens about with timothy, forms a firm sod and is a valuable grass for lawns and on lands subject to overflow and wash. (Bu., 14 lbs.) Fancy clean seed. Lb., 45c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.20; 25 lbs., \$7.50; 50 lbs., \$14.50; 100 lbs., \$28.00.

Timothy (*Phelium pratense*)—As a crop to cut for hay, Timothy is probably surpassed by no other grass now cultivated. If sown alone it requires 8 to 12 pounds per acre. Can be sown in either Fall or Spring. Timothy Seed is one of our specialties. Write us for latest prices, whether you want a bag or a carload. (Bu., 45 lbs.)

Choice Seed: Lb., 40c., postpaid. By express or freight, not prepaid: 3 lbs., \$1.05; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$3.75; 50 lbs., \$5.00; 100 lbs., \$8.50.

HUBAM CLOVER

(ANNUAL WHITE BLOSSOM SWEET CLOVER)

An Emergency Hay Crop. Rich Pasture. A Great Soil Builder.

Hubam Clover is the new fast growing Sweet Clover about which so much has lately been published in the Agricultural press.

Hubam Clover is a variety of Sweet Clover. It makes about as much growth in one season as the ordinary Sweet Clover does in two, being an annual it makes all its growth in one season.

Hubam reaches a height of from three to seven feet within four to seven months from time of seeding to maturity or until the ripening of seed. When this plant, like all other annuals, dies, by the use of Hubam one year can be saved in the ordinary three-year rotation.

Hubam Clover was discovered by Professor Hughes of the Iowa Experiment Station in 1916, and in the spring of 1918 very small samples of seed were sent to all State Experiment Stations and to all large seed Companies. From 1918 crop, thousands of samples were sent out in 1920 and from these samples hundreds of reports were received by the Iowa Station. The reports were so favorable and enthusiastic and from all sections of the United States, Mexico and Canada, that 1920 inquiries increased immensely.

The drought resistant qualities of this clover are reported as remarkable.

Its seed setting characters are indicated by seed spikes 20 inches in length. Planted in rows three feet apart and cultivated, the seed yield has averaged five to eight bushels per acre.

Hubam has also made a great hit with bee-keepers as they seem to be very enthusiastic over it.

Hubam Clover may be grown in cultivated rows, in solid seedings with or without nurse or with any of the small grains as is the custom of seeding the common clover. If cultivated, three to four pounds per acre should be used in order to insure a perfect stand. Rows

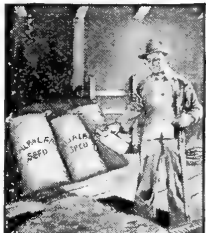
should be from eighteen to thirty inches apart in order that same can be cultivated by hand cultivator or by horse-power. In solid seeding use about twelve pounds of seed broadcast. It may be seeded with small grain but do not favor this plan, as it will not yield a maximum crop, except for experimental work, or when not practical or convenient to seed by itself. When seeding in rows use a good garden seed drill or an Alfalfa Drill, covering seed quite lightly, say from one-fourth to three-fourth inch deep.

As to time of seeding we would prefer March or April to later dates, although Hubam has been sown as late as June. In early sown seed the planting is much easier kept clean of weed than later sown crops.

Hubam requires a firm seed bed with a well fined mulch of loose soil over the surface. Would advise against sowing on fresh plowed seed bed. We also consider sweet soil that is well inoculated an absolute necessity as Hubam, like Alfalfa and Sweet Clover, will not benefit the soil upon which it is grown, without inoculation. This inoculation, however, is always present where Sweet Clover or Alfalfa has been grown. In case such a piece of land is not to be had, artificial inoculation can be supplied by the use of commercial cultures.


It is necessary to scarify Hubam Seed to get satisfactory germination. Unscarified seed will often not germinate over 25%, while the same seed scarified will often germinate 90%.

Hubam Clover seed cannot be told from common Sweet Clover. Be sure to secure certified and scarified planting stock. Our stock is certified and scarified and genuine, having been produced from the original packets sent out by Professor Hughes. Price, lb., \$2.50 postpaid. By express or freight, not prepaid, 10 lbs. or more, \$2.00 per pound.



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottled insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increases your field of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitro-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are only prepared for

- | | | | |
|----------------|---------------|--------------|-------------|
| ALFALFA | ALSIKE CLOVER | VETCH | LIMA BEANS |
| CRIMSON CLOVER | BURR CLOVER | VELVET BEANS | LESPEDEZA |
| SWEET CLOVER | COW PEAS | SWEET PEAS | BEGGAR WEED |
| RED CLOVER | SOY BEANS | GARDEN PEAS | and others |
| | PEANUTS | GARDEN BEANS | |

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

PRICES:	5-Acre Size.....	\$5.00	(A Dollar per Acre)
	1-Acre Size.....	1.50	
	1/4-Acre Size.....	.75	

Small Size (Supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)..... .35

These prices include delivery.

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Henry L. Yaney, of Licking Co., writes: "Your Silver Mine Oats I bought of you was a good success. I go way ahead of my neighbors in yield, 25 bushels to the acre more and much nicer Oats when it is thrashed. HURRAH! for Livingston's Blue Seal quality of seeds."

A. Mills, Lorain Co., Ohio, says: "Your seeds are always good. I raised the best crop of Broom Corn from seed ordered from you, that I ever grew. I had several varieties of sugar corn, but your Early Sugar grew right away from all the others."

Sand or Hairy Vetch

One of the Newer Leguminous Plants of Value
(*Vicia Villosa*)—Since its introduction into this country this plant has made a splendid reputation for itself, especially as a crop to turn under. It succeeds on almost all soils, even poor sand soils produce quite good crops, though it is much more vigorous on good land. It is very hardy and remains green all Winter. It should be sown during August and September, and we advise that it be sown with rye—the rye helps to hold it up. It is much harder than scarlet Clover and is giving excellent returns in the Northern and Northwestern states where the Winters are very severe and where many forage plants Winter kill. It is equally valuable in the South for a hay crop. Every gardener, dairyman and farmer should use this wonderful soiling plant.

Where conditions of soil, time of sowing, and rainfall have been favorable, it will make from 10 to 15 tons of green top to turn-under by the first to the 15th of May.

The root system is quite heavy and like all leguminous plants bear to a greater or less extent nitrogen gauls or nodules according to season, land and inoculation.

If the crop is to be used for hay, it will be well to sow 45 to 60 lbs. of Vetch, and with it ½ bu. Rye per acre.

If you want any considerable quantity, write for special quotations.

Vetch is largely grown in Europe, and on account of the war seed is scarce.

Price—Oz., 5c.; 4 ozs., 20c.; lb., 50c., postpaid. By express or freight, not paid: 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.00; 100 lbs., \$19.50.

For NITROCULTURE INOCULATOR, See Page 56

Tree and Hedge Plant Seeds

Osage Orange—The best of all hedge plants. Oz., 15c.; ¼ lb., 45c.; 1 lb., \$1.60, postpaid. By freight or express: 3 lbs., \$4.65; 5 lbs., \$6.50; 10 lbs., \$14.50; 25 lbs., \$35.00.

Catalpa (Speciosa)

A rapid grower and makes the best timber trees. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; 1 lb., \$1.60, postpaid.

Russian Mulberry

Easy grown; hard; fine for hedges; makes fence posts in five years; fruit good. Pkt., 15c.; oz., \$1.10; ¼ lb., \$3.75, postpaid.

Black Locust

A very rapid grower, as fence posts or ties may be cut in 10 years from planting seed, and will last a lifetime. Oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.00, postpaid. By freight or express, 3 lbs., \$2.85; 5 lbs., \$4.50; 10 lbs., \$8.50; 25 lbs., \$20.00; 50 lbs., \$37.50.



(Photograph supplied by Southwest Trial.)
Sudan Grass

Spring Vetches

A good forage plant; also used for plowing under. Sow 50 to 75 lbs., to the acre broadcast, like wheat or barley.

Prices: Oz., 5c.; 4 ozs., 15c.; lb., 35c.; postpaid; by express or freight, not prepaid: 3 lbs., 90c.; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$3.75; 50 lbs., \$7.00; 100 lbs., \$13.00.



Plant Hairy Vetch

Sudan Grass

A New Forage Crop of Immense Value to the South and Middle West

The dry region has no other satisfactory hay crop and Sudan Grass will be of great value there.

Sudan Grass is strictly an annual and dies each year like Millet. This makes it fit into any system of rotation.

Sudan Grass grows 5 to 9 feet tall. The stems are very small, rarely thicker than a lead pencil.

The plant stools freely when given plenty of room, and often produces 100 stems from one crown. The tendency to stool is greater after the first cutting, and the hay is finer from the second cutting.

Sudan Grass is not very particular as to soil but does best on rich loam, fairly well drained.

In seeding Sudan Grass, a firm seed bed is best and should not be sown until the soil is well warmed up. The best tool for seeding is the common grain drill, and seed should be covered from half inch to one inch. When drilled in rows 18 to 24 inches apart, 4 to 6 pounds are required. When sown broadcast, 16 to 24 pounds per acre should be used. Price—Large Pkt., 10c.; 1 lb., 35c.; postpaid; by freight or express, not paid: 3 lbs., 90c.; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$6.00; 100 lbs., \$10.00.

All Prices Subject to Market Change

Miscellaneous Farm Seeds

Our grades of Farm Seeds are away-above the average quality, and this makes a big difference in the value—the low, trashy grades being costly at any price—and yet our prices will be found very little, if any, above those quoted by others. The man in charge of this department, having been with us more than forty years, is thoroughly posted and will take pleasure in giving customers any information desired. The prices quoted below are **Net Cash, free on cars, this city, purchaser paying all transportation charges**, except when quoted postpaid. At the prices given here we make no charges for bags or cartage. The prices quoted are **subject to market fluctuations**. Should any article seem high, or when customers are in need of large quantities, we will be pleased to submit samples and quote, **on application**, the lowest price that the market will justify at the time. **Please state quantities when writing for prices.**

Prices on Farm Seeds are subject to important market changes. **Ask for Samples and Prices before placing your order.**

Millet (Golden)

True Southern cultivated Tennessee grown stock is far superior to Western grown stock; will grow in any climate or soil, and where conditions are favorable its yield is very heavy; often from two to seven tons per acre of most nutritious feed. It is of special importance, however, to secure the true Southern grown stock.

True Southern grown produces a heavy and luxuriant growth, has very large heads which ripen evenly, and if cut while in bloom or before seed ripens it is quickly produced, cheap and valuable food, that is eaten readily by all our farm animals.

Have the land well plowed and thoroughly pulverized before sowing. Sow for hay not less than 50 lbs. per acre at any time between May 1st and July 1st. If sown broadcast cover with single stroke of harrow or light board drag, or it may be sown with a grain drill set to sow one bushel per acre, having the hoes hooked up so as not to cover seed over one inch deep. We prefer putting seed in with a drill. (Bu., 50 lbs.) Write for price in larger lots.

Large Pkt., 10c.; lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 40c.; 5 lbs., 55c.; 10 lbs., 80c.; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

Golden Millet

Hungarian Millet (Grass)

For good, low ground or rich high land, Hungarian becomes even more valuable than German Millet. It is one of the earliest annual hay crops and can be sown later than any of the Millets. Is often sown as a catch crop after early Potatoes or other early maturing crops.

Hungarian is not so large and coarse as Golden Millet. It is very leafy and much finer in the straw, and if cut for hay before seed is ripe enough to grow or just as it goes out of bloom it is considered nearly equal to Timothy, and under favorable conditions should yield from two or four tons per acre of good, nutritious hay that is relished by dairy cows, young cattle or horses.

Hungarian Grass is generally looked upon as being much better feed for horses than Millet.

Sow from May 15th to July 15th on well prepared soil at a rate of three pecks to one bushel per acre. (Bu. 50 lbs.)

Large Pkt., 10c.; lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 35c.; 5 lbs., 45c.; 10 lbs., 75c.; 25 lbs., \$1.65; 50 lbs., \$2.75; 100 lbs., \$5.00.

Write for prices in large lots on all Millets.

Cow, or Southern Peas

There is no surer or cheaper means of improving and increasing the productiveness of soils than by sowing Cow Peas. They put plenty of nitrogenous vegetable matter into the soil at a small cost. For hay they are most valuable. For ensilage they are unsurpassed. When it is desired to turn the entire crop under as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried peas can be made before plowing under. Cow Peas can be sowed in May or June, after the ground is warm, or about the close of the corn planting at a rate of one-half to one bushel per acre. (60 lbs. to bushels.)

Whip-Poor-Will

An early bunch-growing variety; a great favorite in the North and West; is quite prolific. 1 lb., 35c., postpaid. By freight or express, not prepaid: 3 lbs., 40c.; 5 lbs., 55c.; 10 lbs., 80c.; 50 lbs., \$3.00; 100 lbs., \$5.00.

Black—Is quick to mature. Well adapted for Northern sections. A vigorous grower and a great yielder. 1 lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 45c.; 5 lbs., 60c.; 10 lbs., \$1.00; 50 lbs., \$3.25; 100 lbs., \$5.80.

Black-eye—A prolific vine-growing variety of merit; seed often sold for table use. 1 lb., 30c., postpaid. By freight or express, not prepaid: 3 lbs., 45c.; 5 lbs., 60c.; 10 lbs., \$1.00; 50 lbs., \$3.50; 100 lbs., \$6.25.

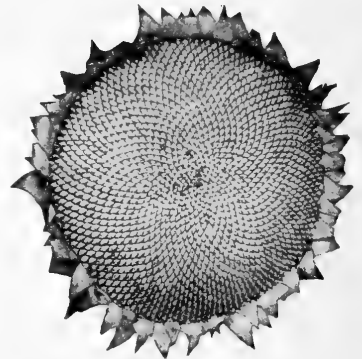
Market Price on Cow Peas changes often. Write for prices on larger quantities when ready to buy.

All prices subject to market change.

Sunflower

Mammoth Russian—immense yielder—125 bushels of seed to the acre has been grown at less expense than corn. Very highly recommended for poultry. Best egg-producing food known. Good feed for horses as well. (See illustration.)

Choice Stock—Oz., 5c.; ¼ lb., 10c.; 1 lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 60c.; 5 lbs., 90c.; 10 lbs., \$1.60; 25 lbs., \$3.50; 50 lbs., \$6.00; 100 lbs., \$10.00.



Mammoth Russian Sunflower

Buckwheat

Should be sown about the middle of June, using from 1 to 3 pecks of seed per acre. (50 lbs. to bushel.)

New Japanese—This new sort has proven to be much earlier and more productive than any other variety. Grains very large and of rich brown color. It excels all in yield and earliness. 1 lb., 25c., postpaid. By express or freight, not prepaid: 3 lbs., 45c.; 5 lbs., 50c.; 10 lbs., 75c.; 50 lbs., \$2.40; 100 lbs., \$4.40.

Silver Hull—A very good and popular variety. The grain is of light gray color, rounder than the common variety; has a much thinner hull. 1 lb., 25c., postpaid. By express or freight, not prepaid: 3 lbs., 45c.; 5 lbs., 50c.; 10 lbs., 75c.; 50 lbs., \$2.40; 100 lbs., \$4.40.

All Prices Subject to Market Changes.

Mrs. I. H. Wolford, Lucas Co., Ohio, writes as follows: "You will find a small order for this year. We liked every thing we got from you the last year. The Potatoes were fine; had wonderful Potatoes. The Banner and Seneca Beauty were best. It was very dry with us."



Dwarf Essex Rape

Best Quick-Growing Pasture for Sheep and Hogs

There is but one variety of Rape that has proven profitable in the United States, and that is the Dwarf Essex. No other plant known that will give so much pasture in so short a time at so little cost. Under favorable conditions it is ready for pasture in six weeks from time of sowing and can be sown any time from April to September at the rate of 3 to 5 lbs. per acre. Land should be prepared same as for Turnips. It is grown for pasture and green manuring. Rape-fed lambs should have free access to salt. One acre of good Rape will furnish food for a flock of twelve sheep for 45 to 60 days. Our stock is the True Dwarf Essex, and not the worthless annual. Weight per bushel, 50 lbs. Price—Packet, 5c.; 1 lb., 35c., postpaid. By express or freight 3 lbs., 75c.; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.60; 50 lbs., \$6.50; 100 lbs., \$12.50.

Broom Corn

Improved Evergreen—The best variety

for general cultivation on account of the color and quality of brush. Ripens early, grows about 8 to 10 feet high; brush of good length, fine and straight, and always of green appearance when ripe. Our stock is select, having been saved by professional growers for their own planting. (46 lbs. to bushel.) ¼ lb., 15c.; lb., 25c., postpaid. By express or freight: 3 lbs., 75c.; 5 lbs., \$1.00; 10 lbs., \$1.50; 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$9.50.

Lowest market prices on large or small quantities will be given on application as long as stocks last.

All prices subject to market change.

Soy Beans

The Soy Beans have attracted much attention in recent years on account of their great value as a food, being much richer in protein than flaxseed, oatmeal, bran or oats, and can be used to balance a feed ration to good advantage; are used extensively in silage with corn, cane, etc. By its use dairymen can make a combination that is wholesome, economical and a completely balanced food for milk cows. They also equal or surpass clover as a soil enricher, gathering nitrogen from the air; are used by fruit men as a cover crop with good results. May be used for silage or feed in matured state.

Medium Early Green or Guelph Soy Bean

One of the oldest and best known sorts, which has become quite a favorite north of the Ohio river both for seed and forage crop. Grows 24 to 28 inches high; stems medium stout, ¼ to ¾ inch in diameter, branches often filling the space between 3-foot rows. The leaves very dark green, large and full in center, while the edges are freely curled. Pods of medium size, 1 to 1½ inches long. Color of seeds, bright green. 1 lb., 30c., postpaid. By freight or express, not prepaid: 3 lbs., 60c.; 5 lbs., 70c.; 10 lbs., \$1.00; 50 lbs., \$3.25; 100 lbs., \$6.00.

Ito San—This is one of the best for northern part of the state; it grows erect from 25 to 30 inches tall, branches are fine; leaves medium size; seeds medium sized, straw colored, orbicular in shape, distinguished by a brown spot beside the hilum or point of attachment to the pod. Matures in 100 to 115 days. 1 lb., 30c., postpaid. By freight or express, not prepaid: 3 lbs., 35c.; 5 lbs., 45c.; 10 lbs., 80c.; 50 lbs., \$3.00; 100 lbs., \$5.50.

Wilson—Plant erect, much branched, leafy. Height, 35 to 40 inches. Ripe about September 15th. Seeds rather small, flat and black. A good hay bean, desirable for seed. Called the king of forage sorts. 1 lb., 30c., postpaid. By freight or express, not prepaid: 3 lbs., 60c.; 5 lbs., 70c.; 10 lbs., \$1.00; 50 lbs., \$3.25; 100 lbs., \$6.00.

Mammoth Yellow—Latest maturing variety. Plants rather coarse, height 3 to 5 ft., ripens in 130 to 150 days. Good yielder, excellent to plow under as green manure and ensilage. 1 lb., 30c., postpaid. By freight or express not prepaid: 3 lbs., 35c.; 5 lbs., 45c.; 10 lbs., 80c.; 50 lbs., \$3.00; 100 lbs., \$5.50.

Ebony Sable and Ohio No. 9035—Ohio Grown Stock. To be sown north of the Ohio River. Price same as **Early Green**. (60 lbs., per bushel.)

Kindly write for prices before ordering in large lots.

For NITROCULTURE INOCULATOR, see page 56.

All Prices Subject to Market Change.



Livingston's Finest Grain Seeds

Selected Seed Oats

We have always realized the importance of supply growers with the best selected Seed Oats, and we can truly say that our efforts in this direction have resulted in our customers obtaining increased yields by

sowing our superior stocks and strongly advise that those customers who wish to secure the best yields use our northern grown stocks. Many years of experience as growers leaves no doubt as to this matter.

Prices subject to market fluctuations.

Items on this page are shipped at buyer's expense except as noted.

Regenerated Selected Swedish Oats

(See illustration)—Originated and introduced by Garten Seed Co. of England, are now well acclimated and have given excellent satisfaction. Weighs from 32 to 40 lbs. per measured bushel. The straw is heavy and strong and not liable to lodge. Heads are large, upright and bushy. Grains are white, large, thick and plump, with thin hull, making a very fine appearance and very desirable for feeding. Their strong root development enables them to withstand drought better than many varieties; are quite early and less liable to damage by rust than many sorts.

Price—Lb., 15c., postpaid. By freight or express, not prepaid: 10 lbs., 55c.; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.90. Bags free.

Silver Mine Oats

This Oat has reputation of long standing and is noted for its heavy and reliable yielding properties. It is very hardy and produces beautiful white kernels very desirable for the manufacture of rolled oats. The heads are large and sprangled and borne low down on the stalk, which is stiff bright and clean, and seems to prevent lodging.

We have handled this very reliable Oat for a number of years. Many farmers will show no other sort, as they offer all the desirable points namely: Large, plump, white grain, good straw, medium early and good yielder. Price—Lb., 15c., postpaid. By freight or express, not prepaid: 10 lbs., 55c.; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.90. Bags free.

New Victory Oats

Is an Oat introduced from Sweden and grown by us on our Kirkersville farms for the past five years on both strong upland and muck, and are much pleased with them, and offer them to our customers with full confidence that they will give satisfaction.

The head is large, well spread and filled with large, plump, rather barley-shaped, white grain. Straw is quite stiff and of good length. Stools freely, especially when sown thinly. This Oat being of new blood and from an Oat-growing

country leads us to predict for them a successful future.

Price—Lb., 15c., postpaid. By freight or express, not prepaid: 10 lbs., 55c.; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.90. Bags free.

Spring Wheat

Marquis (New)—Is similar to Red Fife; quite early; beardless; yellow chaff, very plump, flinty kernel; said to be one of the best. Lb., 25c., postpaid. By express or freight: 10 lbs., 70c.; 50 lbs., \$2.75; 100 lbs., \$5.00.

Blue Stem—A very popular variety in the Northwest. Heads are large and well filled; stools freely; kernels very hard. Lb., 25c., postpaid. By express or freight: 10 lbs., 70c.; 50 lbs., \$2.75; 100 lbs., \$5.00.

Barley

The Best Nurse Crop for Sowing with Alfalfa

Beardless—Barley needs a rich land, more sandy and lighter than that adapted to wheat. It is sown in the Spring and can be grown further North than any other grain. It should be cut before fully ripe (unless intended for seed), as it is then of better quality and less liable to shell. Use about 100 lbs. per acre. Lb., 25c., postpaid. By freight or express: 10 lbs., 75c.; 50 lbs., \$3.00; 100 lbs., \$5.75.

Spelz or Emmer

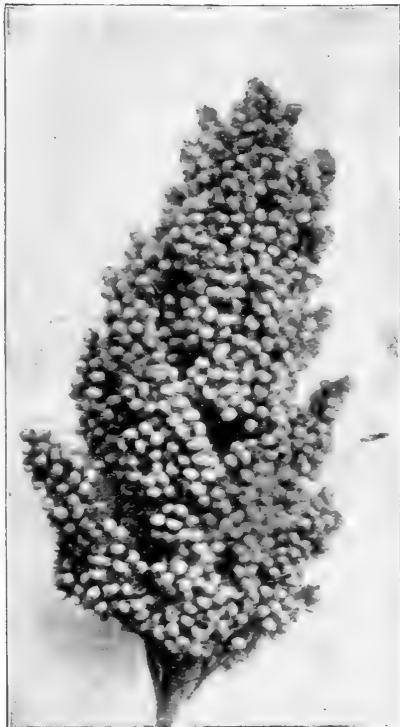
A valuable grain recently introduced from Russia. It is adapted to dry sections and poor soil, often yielding 50 bushels or more of grain per acre. The straw and grain of Spelz have feeding value equal to barley and are relished by all kinds of stock. Sown in the Spring, 50 lbs. per acre. Large Pkt., 10c.; lb., 20c., postpaid. By freight or express: 10 lbs., 75c.; 50 lbs., \$2.60; 100 lbs., \$4.65.

All Prices Subject to Market Change

Beardless Barley



Various Types of Sorghum, The Great Dry Land Forage Plants



Feterita

Feterita

An Extra-Early Strain of White Kaffir Corn

Introduced 1912, has again proved its worth planted on both muck and upland on our own farm, and recommend it to all Poultry men, and for use wherever Kaffir Corn can be used. It is twenty to thirty days earlier than Kaffir Corn, heads equally as large, withstands drought as well or better. One seed produces anywhere from 3 to 10 stalks, each bearing a full-sized head. The stalks are well covered with large blades from the ground up, and after the heads are removed there is from two-thirds to three-fourths as much stover left as would be furnished by any average crop of corn. Seed planted after April 16th ripe and harvested on our lands Sept. 21st. It is one of the surest croppers and one of the best foods for poultry and pigeons. Owing to its earliness the best of its class for latitudes south of Chicago.

Prices—Pkt., 5c.; 1 lb., 25c., postpaid; freight or express, not prepaid: 3 lbs., 35c.; 5 lbs., 55c.; 10 lbs., 90c.; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

Canada Field Peas

Every year there is more inquiry for Field Peas. They stand in the front rank as a fodder for hogs. They can be fed green or dry. They will grow on land that will not produce clover. Sow 1½ to 2 bushels to the acre, or, if with oats, sow 1 bushel of each. Sow the peas first and plow under 4 or 5 inches; then oats on top and harrow in. Price—1 lb., 25c., postpaid. By freight or express not prepaid: 7 lbs., 85c.; 15 lbs., \$1.55; 50 lbs., \$4.75; 100 lbs., \$9.00. For larger quantities, write for prices, stating quantity you can use.

Peanuts

Improved Large Virginia

Very profitable variety to grow and is easily cultivated, very erect; the largest pods and kernels with fewer imperfect pods than any variety. The vines make valuable forage for stock. (Bu. 22 lbs.) By mail, large Pkt., 10c.; ¼ lb., 15c., 1 lb., 40c., postpaid. By freight or express: 3 lbs., 60c.; 5 lbs., \$1.25; 10 lbs., \$2.00.

Sweet Spanish Peanut

The earliest variety grown. Pods are small, remarkably solid, well filled, and of an extra fine quality. Yield per acre very large. Large Pkt., 10c.; ¼ lb., 15c.; 1 lb., 40c., postpaid. By freight or express: 3 lbs., 60c.; 5 lbs., \$1.25; 10 lbs., \$2.00.

Kaffir Corn

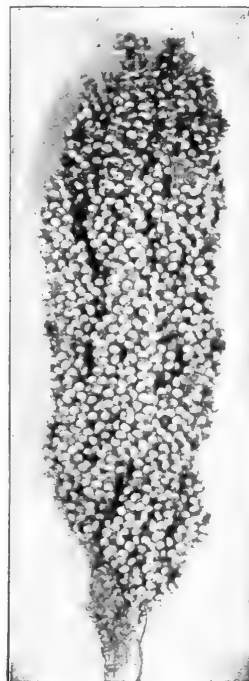
A Great Fodder Crop. The Finest Grain for Poultry and Pigeons

(Fifty lbs. to bushel.) Eaten by all domestic animals, whether fed in the grain or ground and cooked. For grain sow at rate of 5 to 7 lbs. per acre, and cultivate the same as corn. Average yield, 50 bushels per acre. For hay, sow in drills, or broadcast at rate of 50 to 70 lbs. per acre, and cut when seed is coming to the dough stage. Makes valuable hay, yielding from 5 to 10 tons per acre. Oz., 5c.; 1 lb., 25c., postpaid. By freight or express, not paid: 3 lbs., 35c.; 5 lbs., 50c.; 10 lbs., 80c., 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$5.00.

Sorghum or Sugar Cane

(Fifty pounds to Bushel.)

For Fodder—Sow first to 15th of June, 100 lbs. seed per acre, and harrow to cover 1 to 2 inches. Harvest after first frost. Cut with self-binder or mower, and after three days of sun put up in large cocks and feed from field, or store in long, 8-foot wide ricks near feed lot. Yield, 8 to 10 tons per acre. Cows and all stock do as well when fed on it as on grass.



Kaffir Corn

For syrup, plant in hills and cultivate same as corn.

Early Amber Cane—The earliest and makes the finest quality of forage or syrup. Oz., 5c.; 1 lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 35c.; 5 lbs., 55c.; 10 lbs., 90c.; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

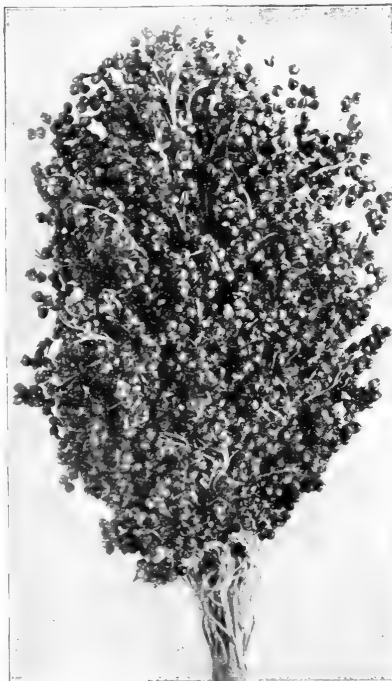
Early Orange Cane—A strong grower; stalks heavier and a little later than Amber. Oz., 5c.; 1 lb., 25c., postpaid. By freight or express, not prepaid: 3 lbs., 35c.; 5 lbs., 55c.; 10 lbs., 90c.; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

Items on this page are sent at buyer's expense except as noted.

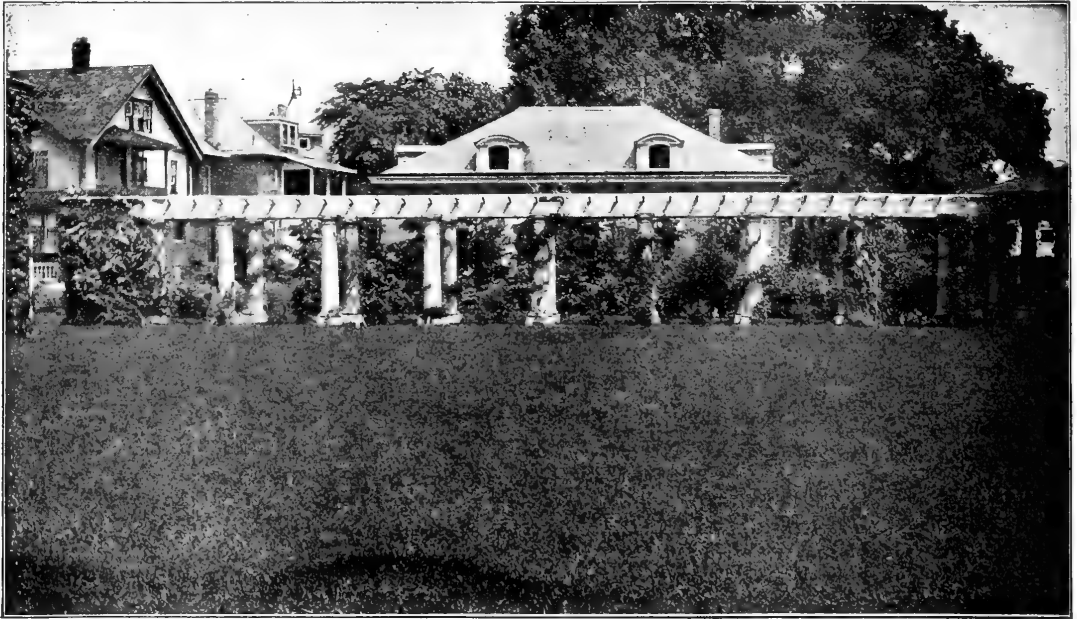
Owing to frequent change in price of items on this page, kindly ask for price. As catalogue goes to press before market is fully known, will be pleased to quote and send sample on request.

All Prices Subject to Market Changes

W. C. Clou, of Tuscarawas County, writes: "I have used your seeds for over 20 years and always found them very satisfactory."



Sorghum or Sugar Cane



Livingston's Lawn Grass Seed

SOWN IN SPRING OR FALL

Blue Grass, owing to short crop, is higher than for many years and we caution customers to beware of cheap lawn mixtures, as cheap seed cannot possibly be satisfactory under the present conditions. Our mixtures are made of the best seed procurable and have raised the price to meet the conditions, rather than to cut the quality.

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. We have made the formation of lawns a careful study, and many of the finest lawns and grass plots all over the United States were made from Livingston's Capitol Lawn Grass Seed. For a perfect and enduring lawn of closely interwoven, firm, elastic turf, which will flourish under varied conditions of soil and climate and show a luxuriant rich green growth throughout the year, plant Livingston's Capitol Lawn Grass Seed.

It is the cheapest as well as the best lawn grass seed offered. While 14 lbs. of lawn grass seed is usually considered a bushel, this will weigh about 22 lbs. to the bushel. We sell by the pound instead of quart. This method is very much to the advantage of the purchaser, as a pound of grass seed measures over 1½ quarts. Lb., 75c.; 3 lbs., \$2.10, postpaid. By express or freight, not prepaid: 5 lbs., \$3.00; 10 lbs., \$5.75; 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 lasting lawn. If you have tried others and failed, give this a fair trial, and we feel sure you will be pleased with the results. 1 lb. to 300 sq. ft. Lb., 75c.; 3 lbs., \$2.10, postpaid. By express or freight, not prepaid: 5 lbs., \$3.00; 10 lbs., \$5.75; 25 lbs., \$13.75.

For Meadows and Permanent Pastures—We are prepared to furnish seeds adapted to all soils, all situations and all purposes—for light medium and heavy soils. By light soils we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams, while

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 lbs. to 1,000 square feet; this will sweeten the soil. Lb., 95c.; 3 lbs., \$2.70, postpaid. By express or freight, not prepaid: 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$18.75.

Tennis-Court Mixture

A mixture composed of low-growing hardy grasses suitable for grounds of this kind. Lb., 90c.; 3 lbs., \$2.55, postpaid. By express or freight, not prepaid: 5 lbs., \$3.75; 10 lbs., \$7.25; 25 lbs., \$17.50.

Golf-Link Mixture

We make a mixture of grasses suitable for the purposes of golf links, so it will stand rough usage. We can also prescribe for links located on poor or rich, dry or wet soils, telling which grass will best suit each location.

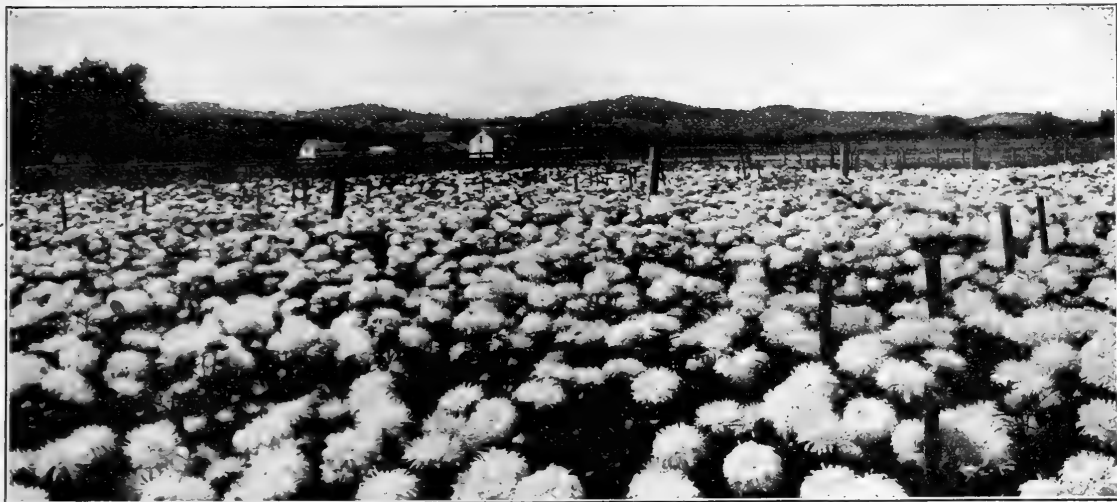
Kentucky Blue Grass

Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get established. For fuller description see page 55. Fancy clean seed., Lb., 90c.; 3 lbs., \$2.55, postpaid. By express or freight, not prepaid: 5 lbs., \$3.25; 10 lbs., \$6.25; 25 lbs., \$15.00.

the medium is between these two. A light, wet soil may be considered same as for heavy soils; a dry, heavy soil, same as the light soils. Write us what you want, giving nature of soil, number of acres, etc., and we will with pleasure, give you estimate and terms.

PRICES SUBJECT TO MARKET CHANGES. Write for prices on larger quantities.

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.



The Flower Seed Department

OUR list of flower seeds will be found to contain all varieties of real merit. Many times varieties are listed which are of no value whatever in the garden so difficult to grow that unless one has every facility for propagation, disappointment is sure to follow the purchase of seed. 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 are those flowers that 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; therefore are treated as Annuals.

Perennials are those that endure our Northern Winters with little or no protection and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started early in the Spring. Hollyhocks, Columbine, Larkspurs, Foxglove, Poppies, etc., are in this popular class.

Asters

The Aster is, perhaps, the most popular annual flower grown in this country, and justly so on account of its ease of culture, season of bloom and lasting qualities both in the garden and as a cut flower. Seed can be sown in the house in shallow boxes (cigar boxes are good), and in the hot bed in March or in cold frames the first of April and later (about May 1st) in the open ground. Transplant the smaller varieties about eight inches apart in the row and such varieties as Semple's Branching, fifteen inches apart, the rows to be two feet apart. The richer the ground the better your flowers will be and water is very necessary.

New Aster Silvery Rose

1388—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. Even the slightest change in light will shade the petals from a rich glowing rosy cerise to a silvery rose. Pkt., 15c.; 2 pkts., 25c.

New Aster Peerless Yellow

1415—The best yellow Aster ever introduced. Every flower will come a beautiful Chrysanthemum yellow and are remarkably full and ball-shaped with centers deeply covered with curled and twisted florets.

The plants are of the branching type and very vigorous. It is not unusual to find a plant with from twenty to thirty good flowering stems sufficiently long and with flowers of ample size for fancy cut flower purposes. So numerous and large are the flowers that the plants are completely covered with a golden dome. It is certainly a winner in its class and color. Pkt., 15c.

Purity

1386—Double flowers of a glistening pure white; similar to Daybreak in form and habit. Pkt., 10c.; $\frac{1}{8}$ oz., 75c.

New Aster Heart of France

1397—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. The 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 mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt., 15c.; 2 pkts., 25c.

Sensation

1398—This new sort is the darkest red of all Asters. The plant averages about 18 inches 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 three inches in diameter. On account of the deep, velvety-red color of Sensation, it is exceptionally fine for either bedding or border. Pkt., 10c.

Autumn Glory

1494—Pure sea-shell pink. While similar in color to Semple's Pink, it has a better and more substantial flower, a deeper and longer keeping color, larger and stronger type of plant. Its most distinctive characteristic and chief claim for recognition, however, is the fact that it is later in season than any of the other varieties. Pkt., 10c.

Asters (Continued)

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 Semple's Giant Finest Mixed Colors—All shades and colors. Pkt., 10c.; ½ oz., 30c.

1401 Semple's Giant Lavender. Pkt., 10c.

1402 Semple's Giant Royal Purple. Pkt., 10c.

1403 Semple's Giant Pure White. Pkt., 10c.

1404 Semple's Giant Crimson. Pkt., 10c.

1405 Semple's Giant Shell Pink. Pkt., 10c.

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

Pink Enchantress

1492—This is a splendid variety of recent introduction. The immense flowers of a soft, delicate pink, are borne on strong upright plants. The color is that of the popular "Pink Enchantress" carnation. In size the flowers are equal to those of the largest branching Asters. The plants, of upright type, are tall and strong. Pkt., 10c.

Peerless Pink

1406—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., 10c.

Crego

The Crego comes into bloom just ahead of the late branching Asters and being of Comet type affords variety in the garden.

1407 Crego Purple. Rich purple. Pkt., 10c.

1408 Crego White. Pure white. Pkt., 10c.

1409 Crego Pink. Beautiful pink. Pkt., 10c.

Vick's Early Branching

The habit of growth is identical with its parent, the Late Branching Asters. Plants branch freely, are vigorous in growth. They produce flowers on long, stiff stems and luxuriant foliage. The shape of the flower is round, and the size extraordinary large. A very valuable flower for commercial growers and the home garden.

The new Aster comes in dainty and desirable colors. Our stock of seed is true and comes direct from the original producer.

1410 Early Branching White. Pure white. Pkt., 10c.

1411 Early Branching Pink. Beautiful pink. Pkt., 10c.

1412 Early Branching. White and Pink mixed. Pkt., 10c.

1413 Early Branching Lavender. Pkt., 10c.

Queen of the Market

About two or 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. A favorite sort. Height 1½ feet.

1440 Mixed Colors—All colors in finest mixture. Pkt., 10c.; ½ oz., 30c.

1441 Scarlet. Brilliant scarlet. Pkt., 10c.

1442 Pink. Beautiful Pink. Pkt., 10c.

1443 Crimson. Rich crimson. Pkt., 10c.

1444 White. Pure white. Pkt., 10c.

1445 Dark Blue. Beautiful. Pkt., 10c.

1446 Light Blue. Or sky blue. Pkt., 10c.

Collection Queen of the Market Asters, 6 separate colors, 50c.

Daybreak

1384—Flowers are very large and double, beautiful shell-pink color. A grand Aster for cutting purposes, growing 2 feet high. Pkt., 10c.; ½ oz., 75c.



Violet King

1380—The habit of growth of this Aster is similar to the Branching type, growing vigorously about 2½ 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., 10c.; ½ oz., 75c.

Giant Comet Asters

An ideal class for cut flowers, being not only most profuse bloomers, but each individual flower is borne on a stiff stem and resembles an exquisitely curled and twisted Japanese Chrysanthemum. Height 2 to 2½ feet.

1430 Giant Comet Crimson. Pkt., 10c.

1431 Giant Comet Light Blue. Pkt., 10c.

1432 Giant Comet Rose Pink. Pkt., 10c.

1433 Giant Comet Dark Blue. Pkt., 10c.

1428 Giant Comet, Mixed Colors. Pkt., 10c.

1429 Giant Comet Snow White. Pkt., 10c.

Collection Giant Comet Asters, 5 separate colors, 40c.

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. The flower stems start from the plant close to the ground, are free from laterals and consequently give their full strength to the production of numerous large, handsomely proportioned flowers.

1486 White. Pure white. Pkt., 10c.

1487 Purple. Royal purple. Pkt., 10c.

1488 Shell Pink. Beautiful pink. Pkt., 10c.

1489 Lavender. Rich lavender. Pkt., 10c.

American Beauty

1399—A variety of recent introduction. The plants are of very strong, vigorous growth, averaging from two to three feet in height. The flowers are of remarkable size, having the widest petals of any Aster. Type of flower is similar to the Semple variety but the flowers are much larger and are produced on stiff stems often measuring more than two feet. The large flowers are bright carmine rose and are almost identical in color with the well known American Beauty Rose. Pkt., 15c.; 2 Pkts., 25c.



Shell-Pink Rochester Aster

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 recurved, giving them a lightness and grace that make them the most artistic of all Asters. They are the largest Asters now in cultivation.

Shell Pink Rochester

(See Illustration Above)

1493—The color as the name indicates, is of a soft shell-pink, one of the most popular colors in asters. Pkt., 10c.

White Rochester

1483—The large, white flowers are borne on long, strong stems which make this one a favorite for bouquets or as specimen plants. Pkt., 10c.

Lavender Rochester

1495—The long, narrow petals fall over one another in a charming cascade of color, forming a wonderful shaggy mass that can not be equaled. Pkt., 10c.

Purple Rochester

1484—A new color in this splendid type of Aster. They are even larger and more Chrysanthemum-like than the original Pink Rochester. Pkt., 10c.

Abronia

1300—Pretty trailing plants with Verbena-like fragrant flowers. In bloom a long time. Adopted to beds, rock-work and hanging baskets. Annuals; good mixture; many varieties. Pkt., 5c.

Abutilon

1302—(Flowering Maple, or Chinese Bell-Flower)—Universally admired for garden or house culture; flower the first season if seed is sown early; rapid growth; bear elegant bell-shaped flowers. Half hardy shrubs. **Mixed**—Pkt., 10c.

Asters (Continued)

Truffaut's Peony-Flowered

The improved strains of this grand Aster are considered the finest in cultivation. It is one of the most beautiful and extensively cultivated type, and it deserves to be, as the large, perfectly double flowers are fine. The petals are beautifully in-curved. Very profuse bloomers, producing rich and beautiful flowers. Height 2 feet.

1391 Snow White, 1392 Brilliant Rose, 1393 Rich Crimson, 1394 Sky Blue, 1395 Dark Blue, 1396 Blood Red, at 10 cents per packet.

1390 Peony Flowered, Mixed Colors—Fine assortment. Pkt., 10c.; ½ oz., 40c.

The Collection of 6 separate colors, one packet of each as named above, 50c.

Giant Ostrich Plume

A very large-flowering class, the blooms of which are of most perfect shape; splendid for cut flowers. Resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger. Individual blooms often measure 4 to 6 inches in diameter. Plants of luxurious branching habit, with flowers on long slender stems. Height 2 feet.

1417 White, 1418 Rose Pink, 1420 Azure Blue, 1421 Lavender, 1422 Dark Blue, 1423 Crimson at 10c. per pkt.

1416 Giant Ostrich Plume, Mixed Colors—Embraces all the desirable colors in splendid mixture. Pkt., 10c.; ½ oz., 40c.

Collection of Giant Ostrich Plume Asters, 6 separate colors, 50c.

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 sort.

One large packet each, **Simples Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Giant Comet, Mixed; Truffaut's Peony Perfection, Mixed; Livingston's Superb Mixture of Giant Asters; Vick's Early Branching Asters; Sensation**; all for 50c. postpaid. At regular rates these seeds would cost 70c.

In the bag with each collection we will enclose our leaflet "Aster Culture," telling how to grow big Asters successfully.

Livingston's Superb Mixture of Giant Asters

Is absolutely unexcelled. A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in colors, perfect in form.

1490—This mixture includes the cream of all the Asters on this and the other two pages, together with many other sorts 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., 10c.; three packets for 25c.; ½ oz., 50c.

E. O. Billard, Fairfield Co., Ohio, writes as follows: "Yesterday I visited a friend of mine not knowing he had purchased seed from your firm. I told him I had received good results from seed bought from The Livingston Seed Co. and he said that is where I get mine and there happened to be a man present, who deals in seed and we both told him how well your seed came up and true to name. Personally for myself all of the seeds I bought of The Livingston Seed Co. I never had seed come up any better or as good and true to name as to both flower and garden seeds."

Acroclium

1308 Rose and White, Mixed—An Everlasting. Yields a great number of flowers, which should be gathered the first day they open and dried in the shade for Winter bouquets. Annuals; one foot. Pkt., 5c.

Adlumia Cirrhosa

1310 Mountain Fringe, or Allegheny Vine—A beautiful hardy climber, flowering the first season. Clusters of small rosy-lilac flowers and pale green feathery foliage. Pkt., 5c.



Ageratum (Floss Flower)

Very showy plants; bloom profusely the whole Summer; fine as cut flowers. Splendid for borders, ribbon beds, etc. Half-hardy annuals. (See illustration.)

1312 Perfection Blue—Splendid large heads of deep amethyst blue. Compact growth, 9 inches high. Deepest colored of all Ageratums. Fine border. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.

1314 Princess Victoria Louise—A very pretty dwarf sort. Bushes 5 to 6 inches high. Splendid combination with Sweet Alyssum. The color is a bright blue, with white center. Pkt., 10c., $\frac{1}{2}$ oz., 25c.

1316 Little Blue Star—Exceedingly dwarf, bushy growth not over 4 or 5 inches high. Densely covered with clusters of bright blue flowers. Very fine for edging. Pkt., 25c.

1318 Imperial Dwarf Blue—8 inches. Pkt., 5c.

1319 Imperial Dwarf White—8 inches. Pkt., 5c.

1320 Mexicanum—Lavender-blue—1 $\frac{1}{2}$ feet. Pkt., 5c.

1321 Finest Mixed—Splendid. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.

Sweet Alyssum

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

1325 Sweet Alyssum (Maritimum)—One of the most popular of our hardy annuals, both for cutting and for edging. The pure white flowers are noted for their exquisite fragrance. Blooms continually from earliest Summer until hard frosts. Pkt., 5c.; oz., 40c.

1327 Little Gem, or "Carpet of Snow"—A dwarf, very compact-growing variety, that, while only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter. From early Summer until very late Autumn the plants are a solid mass of snow-white flowers of delicious fragrance. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.; oz., 75c.

1329 Saxatile Compactum (Golden Saxatile, or "Basket of Gold")—A hardy perennial variety; its flowers are a most brilliant golden-yellow. Fine for rock-work. Nine inches high. Pkt., 5c.; oz., 60c.

Amaranthus

1333 Fine Mixed—Foliage brilliantly ornamental, producing a striking effect in the border as a background, or as a center of beds. Of the easiest culture. Annuals. Three feet. Pkt., 5c.; oz., 40c.

Arabis Alpina

1306 Dwarf perennial plant, covered with pretty white flowers in May. Thrives well in dry, sandy places. Pkt., 10c.

Asperula

1377 Sweet Woodruff—This charming plant delights in moist shady situations. Its fragrant leaves and flowers when dried impart an agreeable perfume. Perennials; one foot. Pkt., 5c.

Asparagus

1372 Plumosus Nanus (Climbing Lace Fern)—One of the prettiest house plants. Its foliage is indispensable for bouquets, and lasts a long time after cutting. Half hardy perennials. Pkt., (10 seeds), 15c.; 25 seeds, 30c.; 100 seeds, \$1.00.

1374 Sprengeri (Emerald Feather, or Abyssinian Parlor Fern)—This is one of the most beautiful plants for either pot culture or hanging baskets. Useful for bouquets. Grows freely all the year; a popular house plant. Pkt., (15 seeds), 10c.

Giant-Flowered Antirrhinum

(Snap Dragon)

This old favorite is one of the most beautiful and useful border plants of our gardens. Its very graceful flowers are borne on long stems and in the greatest diversity of colors. The spikes of flowers are most brilliant and showy. Two feet.

1340 Giant White—Pure snow-white. Pkt., 10c.

1341 Giant Rose—Delicate Rose-Pink. Pkt., 10c.

1342 Giant Scarlet—Brilliant scarlet. Pkt., 10c.

1343 Giant Yellow—Pure soft yellow. Pkt., 10c.

1344 Giant Queen Victoria—Extra large, superb; pure white. Pkt., 10c.

1346 Giant-Flowering Finest Mixed Colors—An elegant assortment of innumerable rich colors and shades, including all the named varieties offered by us. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; oz., \$1.00.

Collection Giant Antirrhinums—5 separate colors, 40c.

1347 Dwarf Mixture—Contains the very choicest colors. Twelve inches. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.

1348 Tall Mixture—The best colors; 2 feet. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.

Aquilegia or Columbine

Exceedingly showy, early blooming, hardy plants; always favorites, and of the easiest culture. The graceful, long spurred flowers are very brilliant. They delight in the moister portion of the garden. The new varieties are greatly enlarged and the range of colors and shades has been largely increased. Hardy perennial. 1 $\frac{1}{2}$ to 2 feet.

1356 New Long-Spurred "Rose Queen"—A beautiful variety, producing in great profusion very graceful, large-flowered, long-spurred flowers, shading from light pink to dark rose, with white center and yellow anthers. Very delicate and beautiful. Pkt., 15c.

1365 Chrysantha—This beautiful variety is a clear yellow, being an unusual color in Columbines, and of the long-spurred type. It also has the characteristic of flowering nearly all Summer. One of the best and very hardy. Pkt., 10c.

1368 Coerulea—The true Rocky Mountain variety, a beautiful blue and free-flowering. The state flower of Colorado. A splendid plant for the hardy border. Pkt., 10c.

1360 Double Varieties Mixed—A very choice assortment. Pkt., 5c.

1362 Single Varieties Mixed—All the best sorts and colors. Pkt., 5c.



Double Balsam

1500 Livingston's Premium Balsams, 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., 10c.; ¼ oz., 40c.

1504 Double Camellia-Flowered, Finest Mixed—A very choice assortment of all the best varieties and colors in these favorite Balsams. Pkt., 5c.; ¼ oz., 25c.

1515 Double Mixed Balsams. Pkt., 5c.; oz., 50c.

Balsam Apple and Pear

1518 Mo-mordica, Mixed—Very curious vine with ornamental foliage. Its large, golden-yellow fruit opens when ripe and shows its brilliant blood-red inside. Hardy annuals. 10 feet. Balsam Apple and Pear Mixed. Pkt., 5c.; ¼ oz., 15c.

Begonias

1523 Finest Mixed—Our strain contains a great variety of colors, both in flowers and foliage. A superior assortment. Pkt., 10c.

1524 Vernon—An elegant variety, with bright orange-carmine flowers and very dark leaves. Start the seed early in the house or greenhouse. Pkt., 10c.

Balloon Vine

"Love In a Puff"

1496—Rapid-growing, pretty annual climber; delights in a light soil and warm situation; produces white flowers, followed by seed vessels that look like small balloons; makes a fine porch screen. 10 feet. Pkt., 5c.; oz., 25c.



Canterbury Bells

Campanula (Canterbury Bells)

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

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., 10c.; 2 pkts., 15c.

1561 Calycanthema "Cup and Saucer"—Our mixture includes all the best colors and varieties. Pkt., 5c.

1563 Finest Double Mixed. Pkt., 5c.

1564 Finest Single Mixed. Pkt., 5c.

1566 Pyramidalis—The Chimney Bell-Flower, a hardy perennial flowering in late Summer. Finest mixed. Height, 3½ feet. Pkt., 10c.

1568 Carpatica—Beautiful free-flowering, hardy perennial; fine for groups and edgings. Blue and White mixed. Nine inches. Pkt., 5c.

Calliopsis, or Coreopsis

One of the easiest grown annual flowers; can be used with fine effect anywhere—in beds, borders or masses. Blooms all the time. Sow the seed thinly when weather becomes warm and soil dry. 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. 1 foot high. Pkt., 10c.; ¼ oz., 15c.

1532 Golden Wave (Drummondii)—Bushy, compact plants covered with very large bright golden-yellow flowers with brown centers. Pkt., 5c.; ¼ oz., 15c.

1534 Coronata—Showy, large, pure yellow flowers. Pkt., 5c.; ¼ oz., 15c.

1536 Mixed Tall Sorts—All choice sorts. Pkt., 5c.; oz., 25c.

1537 Mixed Dwarf Sorts—For bedding. Pkt., 5c.; oz., 30c.

1539 California Sunbeams (Grandiflora)—An improved large-flowering strain. Fine light yellow and brown blooms. Pkt., 5c.

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., 10c.; ¼ oz., 20c.; oz., 75c.

Calendula (Pot Marigold)

One of the easiest grown, most showy and free-flowering, hardy annuals, producing a fine effect in beds of mixed borders; blooms all the time; fine for cut flowers. 1½ feet.

1526 Meteor—Yellow striped orange. Pkt., 5c.

1527 Sulphurea Plena—Sulphur Yellow. Pkt., 5c.

1528 Prince of Orange—Darker than above. Pkt., 5c.

1529 Fine Double Mixed—Contains the choicest sorts. Pkt., 5c.; oz., 20c.



Calliopsis

Cannas

Cannas seem to be especially adapted to the American climate, as they do well everywhere. They grow nicely from seed, and will bloom the first Summer if started early. It is hard to describe the elegance of a fine bed of Cannas. Soak the seeds in warm water until they begin to swell; 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 Hybrid Cannas, Mixed—Early flowering, and remarkable for large size and beauty of flower and foliage. This collection contains all that is best in Cannas. Pkt., 5c.; oz., 25c.

1582 Dark Leaved Cannas—This mixture contains the very choicest varieties we grow in the dark-leaved Cannas. Pkt., 5c.; oz., 20c.

Choice Carnations

Seeds may be sown under glass in the Spring, or in open ground, but must be protected in the Winter. Half hardy.

1586 Giant Marguerite—The flowers enormous; the colors most varied and brilliant, and they come into full bloom in four months from sowing, and continue until hard frosts. Our strains are semi-dwarf and strong growers. 1 foot high. Our mixture is splendid. Pkt., 10c.

1587 Marguerite Double White—Pure white, large flowers; stiff stalks. Pkt., 10c.

1588 Marguerite Double Yellow—Pkt., 15c.

1585 Livingston's "Peerless" Carnation Mixture—All bloom the first Summer. A very choice mixture including all superb sorts. Pkt., (about 75 seeds), 15c.

1590 Chabaud's New Giant Perpetual—Comes into bloom in a little over 4 months from seed; extra large size; fine range of colors; is very sweet-scented. Mixed colors. Pkt., 10c.

1594 Red Grenadin—For yielding 3 quantity of double red flowers, no outdoor Carnation can equal it. Pkt., 10c.

1591 Carnation, Giant of Nice—Blooms in four to five months from date of sowing the seed. The flowers are very large; colors varied; very free flowering. Pkt., 20c.

1592 Fine Double Mixed—Pkt., 10c.

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., 25c.

1650 Cineraria Maritima (Dusty Miller)—Silvery white foliage; for edging, ribbon beds, hanging baskets, etc. 1 foot. Perennial, but usually grown as an annual. Pkt., 5c.; oz., 40c.

Canary Bird Vine 1543—Easy-growing, free-blooming annual climber for house or garden. Bright yellow flowers resembling a canary bird with extended wings. 10 feet. Pkt., 5c.; ½ oz., 15c.



Celosia, Ostrich Plume



Candytuft

Candytuft (Iberis)

Candytuft is among the most highly prized of Summer flowers, and no garden is complete without a large quantity of it. Grows easily and blooms all the time until frost. Splendid for cut-flowers. Hardy annuals. One foot.

1547 Rose Cardinal—Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height eight inches. Pkt., 10c.; ½ oz., 40c.

1550 Empress, or Giant Hyacinth-Flowered—An improved strain, producing immense trusses of pure white bloom, frequently measuring 4 inches in length by 2 inches through. Fine for bedding and cutting. Height 1 foot. Pkt., 10c.; ¼ oz., 25c.; oz., 75c.

1545 Large-Flowering Dwarf, Mixed.....Pkt., 10c.; ½ oz., 45c.

1546 Large-Flowering Dwarf, White.....Pkt., 10c.; ½ oz., 45c.

1551 White Bocket—Compact Spikes.....Pkt., 5c.; oz., 25c.

1553 Oloras—Pure white; most fragrant.....Pkt., 5c.; oz., 25c.

1554 Candytuft, Mixed Annual Sorts—Our mixture contains all of the best varieties and colors. Pkt., 5c.; oz., 30c.

1556 Gibraltarica—A dwarf evergreen plant flowering in early Spring and Summer. Much used for rockeries, edging or in the foreground of perennial borders. A fine little plant worthy of more general cultivation. Lilac, shading to white. Pkt., 10c.

1557 Sempervirens—Similar to the above except pure white. Pkt., 10c.

Celosia, or Cockscomb

Very attractive annuals. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. (See illustration below.) Sow the seed directly in the garden or start early and transplant. Make fine pot plants.

Ostrich Plume Varieties

Very graceful. Handsome, pyramidal plants 3 feet high. Each branch gracefully tipped with brilliantly colored plume resembling an ostrich feather. (See illustration.)

1600 Thompsoni Magnifica—Mammoth blossoms of vivid scarlet; purple, blood-red, golden yellow, salmon, etc. 2 feet. Mixed colors. Pkt., 10c.; ¼ oz., 30c.

1602 Gold Plume—Golden Yellow. Pkt., 5c.

1604 Fire Plume—Fiery scarlet. Pkt., 5c.

Collection, the 3 new Ostrich Plume Celosias, listed above, 15c.

Comb Varieties

1608 Queen of the Dwarfs—Grows only about 8 inches high. Immense combs of perfect form; brilliant dark rose. Pkt., 10c.

1609 Glasgow Prize—Large and very showy dark crimson combs. 9 inches. Pkt., 10c.; ½ oz., 30c.

1610 Empress—Combs of colossal proportions; rich crimson. Pkt., 10c.; ¼ oz., 60c.

1611 Finest Dwarf Mixed—A choice mixture of all sorts and colors. Pkt., 5c.; ½ oz., 25c.

Centaureas

The various varieties of this popular annual include such favorites as the Bachelor's Buttons or Corn-Flowers, and Sweet Sultans, old-fashioned flowers of easiest culture. Two feet.

1616 Bachelor's Button (Centaurea Cyanus)—The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors. Pkt., 5c.; ½ oz., 20c.; oz., 35c.

1617 Emperor William—Rich, deep blue Bachelor's Button. Pkt., 5c.

1618 Double Varieties—Many choice colors. Pkt., 5c.; ½ oz., 20c.

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., 5c.; ¼ oz., 25c.; oz., 75c.

1621 Giant White—Splendid for bouquets. Pkt., 5c.; ¼ oz., 25c.

1622 Giant Odorata—Light blue; very large. Pkt., 5c.

1623 Giant Suaveolens—The popular yellow. Pkt., 5c.

1627 Livingston's Choice Mixed Centaureas—A grand mixture of all the above Bachelor's Buttons and Giant Sweet Sultans. Pkt., 5c.; ¼ oz., 25c.; oz., 75c.

WHITE-LEAVED CENTAUREAS (Dusty Millers)

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

1629 Candidissima—Very thick, broadly cut, slippery white leaves. One foot high. Pkt., 10c.

1628 Gymnocarpa—Leaves fern-like; silvery gray color. Fine for borders. 1½ feet. Pkt., 5c.

Livingston's Mammoth White Centaurea

1630—This is one of the largest pure white Centaureas yet introduced. The plants are of branching type standing eighteen inches to two feet high. The stems are sufficiently long for cut flower purposes. The flowers are snow white and often measure four inches or more in diameter. Pkt., 15c.

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 foot to 18 inches apart. One of our most desirable and easy-growing annuals. 5 to 6 feet.



Centaurea Imperialis—Giant-Flowering Sweet Sultan

Early Flowering Cosmos Pkt., 5c.



Coix Lachrymae

(Job's Tears)—Very ornamental plant, producing hard, shining seeds. Much used for bead curtains, rafia work, etc. **1660**—Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Ex. Ea. Mammoth Cosmos

1670—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, in not getting flowers before frost. The growth of this new Cosmos is so rapid that seed can be sown out of doors 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. **Mixed.** Pkt., 15c.; ¼ oz., 25c.; oz., 75c.

Gigantic Orchid-Flowered Cosmos

1680 Lady Lenox

Flowers 4 to 5 inches in diameter. Color a delightful shell pink, lighting up beautifully at night. 6 to 7 feet high. Splendid variety. Pkt., 10c.; ¼ oz., 25c.

Early Summer-Flowering Cosmos

1668 Dwarf Early-Flowering "Dawn"—Coming into flower in July, continuing until frost. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.

Dwarf Early-Flowering Mixed

1669 Mixed—Identical with above, but contains all elegant colors known in Cosmos. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.

Mammoth Perfection Cosmos

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., 5c.; ¼ oz., 15c.; oz., 50c.

1673 Mammoth Perfection, Pure White—A splendid large flower. Pkt., 5c.; ¼ oz., 15c.

1674 Mammoth Perfection, Light Pink—Blossoms are truly superb. Pkt., 5c.; ¼ oz., 15c.

1675 Mammoth Perfection, Crimson—A rich and brilliant shade. Pkt., 5c.; ¼ oz., 15c.



Chrysanthemum Perennial

Cobaea Scandens

1658—A fine annual climber, often growing 15 to 25 feet in a season. Has handsome foliage and large bell-shaped flowers of a beautiful deep violet-blue. Pkt., 5c.

Cyclamen

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

1683 **Livingston's Superb Mixture**—Is our best strain; obtained by a continued selection of the choicest varieties of *Cyclamen Persicum*. The individual flowers are enormous in size; plants are profuse bloomers. The colors are rich and varied. Pkt., 25c.

1684 **Cyclamen Persicum, Finest Mixed**—A choice assortment of varieties and colors. Pkt., 10c.

Dahlias

Dahlias are easily grown from seed and bloom the first season. The earlier they are started the better, which can be done nicely in a box in a sunny window or the greenhouse. Some specimens grown from seed are fully equal to many of the named sorts, and there is always the chance of getting some entirely new varieties. The Single Dahlias are being planted more extensively every year; they are quick and profuse bloomers, and their colors are especially rich and brilliant.

Seeds from Single Dahlias

1693 **Twentieth Century or Orchid-Flowered**—A truly exquisite single Dahlia. Has created a sensation everywhere. Individual flowers are 5 to 8 inches across. Innumerable colors, that have the sheen of velvet. We cannot describe their elegance. Pkt., 10c.

1695 **Large-Flowering Single Mixed**—Splendid assortment of single-flowering varieties. Pkt., 5c.

Seeds of Double Dahlias

1698 **Large-Flowering Choicest Double Mixed**—This elegant assortment of seed is saved from round, double flowers; many beautiful colors. Pkt., 10c.

1702 **Cactus Varieties, Choicest Mixed**—Most popular at the present time; distinct and elegant; petals pointed; blooms perfectly double. Pkt., 10c.

1705 **Livingston's Superb Dahlia Mixture**—This splendid assortment embraces every variety of Dahlias, both single and double, described on this page, as well as many other fine sorts. Will make an elegant bed at small cost. Pkt., 15c.

Inside back cover page contains our Bargain Flower Seed Collections.

Chrysanthemums

The annual sorts bloom throughout the Summer, while the perennial varieties are gorgeous in the garden every Fall. The plants grow from 1 to 3 feet in height.

SEEDS OF ANNUAL VARIETIES

1632 **Double White**—Pkt., 5c. 1633 **Double Golden Yellow**—Pkt., 5c.

1634 **Double Sorts Mixed**—All the most desirable colors. Pkt., 5c.; $\frac{1}{4}$ oz., 15c.

1635 **Livingston's Choice Mixed Chrysanthemums, Single and Double Sorts**—Very desirable for the Summer garden; showy; free-flowering. Pkt., 5c.; $\frac{1}{4}$ oz., 15c.

1654 **Tricolor "Northern Star"**—Fine hardy annual, with large Daisy-like flowers produced freely on long stems. Pkt., 10c.

SEEDS OF PERENNIAL VARIETIES

1641 **Japanese Hybrids**—The best double-flowering varieties. Pkt., 15c.

1642 **Frutescens (Marguerite, or Paris Daisy)**—Large, single white flowers. Pkt., 5c.

1643 **Maximum (Triumph Daisy)**—Large, single, pure white, yellow center. Pkt., 10c.

1644 **Chrysanthemum Inodorum (Bridal Robe)**—New; pure white; extra fine. Pkt., 10c.

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., 10c.

New Cardinal Climber

1598—A new annual climber of wonderful vigorous growth, climbing 20 feet in a season from seed sown in the Spring. The foliage is beautifully cut and is very graceful. The flowers are very brilliant, being a fiery scarlet, the individual blooms being about $1\frac{1}{2}$ inches across and produced in clusters of 5 to 7. It flowers very profusely the entire Summer, and bids fair to take a place as one of our best annual climbers, having attracted much attention wherever grown. It should be planted in a warm, sunny location in good soil and will then give a good account of itself. Pkt., 15c.

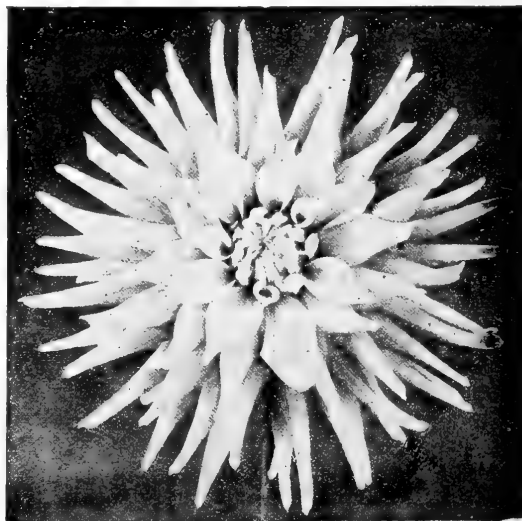
Cypress Vine

Ipomoea Quamoclit—This is a beautiful, rapidly growing annual climber, with delicate dark green finely cut fern-like foliage and masses of the most brilliant and graceful star-shaped flowers. The two shades, white and scarlet, are very striking. Planted by the side of a veranda, tree or stake, and trained properly, nothing is prettier.

1686 **Pure White**—Pkt., 5c.

1687 **Bright Scarlet**—Pkt., 5c.

1689 **Finest Mixed**—A mixture of pure White and Bright Scarlet. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.



Cactus Dahlia



Giant Double Daisies

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 season and continue to bloom each season if given some protection during Winter. They do best in a rich soil and quite cool situation. Especially desirable for cemetery decorations. Perennial. Height about six inches.

1710 Giant Longfellow—A very desirable double sort; dark pink; flowers very large. Pkt., 10c.

1711 Giant Snowball—A large and very double pure white variety. The flowers make fine cut flowers as the stems are very long. Pkt., 10c.

1712 Giant Mixed Daisies—This assortment includes the Giant Longfellow, Giant Snowball and Giant Red, as well as many other finest sorts. Pkt., 10c.

Dimorphotheca Aurentiaca

1718 Golden Orange Daisy—An extremely showy annual 12 to 15 inches high and very profuse in flowering. Should be planted in a sunny situation; a great favorite everywhere. Pkt., 10c.



Foxglove (Digitalis)

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, 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., 20c.

1732 Formosum—Elegant spikes of the richest dark-blue flowers, with a white center; especially fine for cutting. Four feet. Pkt., 5c.

1734 Belladonna—Light sky-blue flowers, with light centers; a very fine variety. Four feet. Pkt., 10c.

1735 Zulu—The splendid spikes of bloom are a lovely shade of sulphur-yellow. Four feet. Pkt., 10c.

Annual Delphiniums. See Larkspur, page 76.

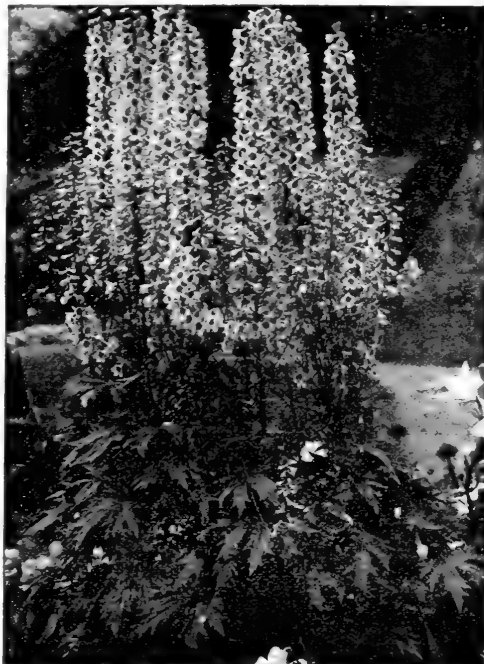
Datura

(Trumpet Flower)

Very attractive, busy plants of easy growth, that during the whole season are covered with elegant, fragrant, trumpet-shaped flowers. Hardy annual, 3 feet.

1720 Cornucopia (Horn of Plenty)—A magnificent variety. The blooms average 8 inches long by 5 inches across; the color is white inside, while the outside is most beautifully marbled with royal purple. Pkt., 5c.; ¼ oz., 20c.

1723 Finest Double Mixed—A very choice assortment of all the best colors and varieties of this effective annual. Pkt., 5c.



Delphinium Giant Flowering Hybrids

Digitalis (Foxglove, or Witches Fingers)

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. 3 feet.

1782 Gloxiniaeflora—A beautiful class, with spotted flowers. We offer a mixture of the finest varieties. Pkt., 5c.; ¼ oz., 20c.

1784 Grandiflora—A variety that grows about two feet in height. A very fine yellow in color. Pkt., 5c.; ¼ oz., 20c.

1786 Montrosa (Mammoth Foxglove)—A grand strain. The top flowers of the spikes are of enormous size. Our assortment of color is very fine. Splendid mixed. Pkt., 5c.; ¼ oz., 35c.

1788 Purpurea, Finest Mixed—This is the common Foxglove so generally known. Contains many fine varieties. Pkt., 5c.; ¼ oz., 20c.

Erigeron Speciosa

1770—Hardy perennial, bearing pretty blue flowers for a long period. Grows about two feet high. Useful in hardy border. Pkt., 10c.

Feverfew (Matricaria)

1824—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., 10c.

See Perennial Collection on inside back cover.



Livingston's Mixture of Hardy Garden Pinks

Double Annual Pinks

1740 New Giant Fringed and Ruffled Pinks, Double Marvelous or Japanese Fringed Pinks (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., 15c.; 2 pkts., 25c.

1744 Laciniatus (Double Fringed Pinks)—Magnificent flowers; very large; double. Mixed colors; striped and fringed edges. Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

1746 Heddeiwigi (Double Japan Pink)—Flowers very large; perfectly double; many elegant colors and shades, from delicate rose to richest crimson. Pkt., 5c.; $\frac{1}{8}$ oz., 20c.

1752 Imperialis (Double Imperial Pink)—Charming varieties of these popular pinks. Our mixture includes a great number of colors. Pkt., 5c.

1754 Snowball—Double white, fringed flowers; fine varieties. Pkt., 5c.

1756 Fireball—A brilliant dark scarlet; plants grow dwarf and bushy; is very fine for bedding or cut flowers. Pkt., 5c.; $\frac{1}{8}$ oz., 25c.

1758 Chinensis (China or India Pink)—Our mixture includes all best colors and shades. Pkt., 5c.; $\frac{1}{4}$ oz., 15c.; oz., 50c.

1760 Livingston's Mixture of Double Pinks—A splendid combination of all the best varieties. Pkt., 5c.; $\frac{1}{8}$ oz., 30c.

Dolichos

(Hyacinth Bean)

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

1796 New White Bush Dolichos—Strong, healthy plants, 18-30 inches tall, according to soil, carry an abundance of elegant flower spikes, 12 to 16 inches long, well above the foliage. Individual flowers measure about an inch across and resemble a pea flower. As the lowest flowers on stalks drop off, they are followed by ornamental creamy-white seed pods. Bush Dolichos succeed anywhere, are highly ornamental planted singly or in rows and bloom continuously from middle of July until frost. Pkt., 10c.

1790 "Daylight"—A splendid variety from Japan. Large snow-white Wistaria-like racemes, that are most fragrant, followed by attractive silver-white seed pods. A very showy and rapid-growing sort. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.

1792 Purple Soudan—A most decorative climber. The twining stems are of the most intense purple, while the beautiful spikes of bloom are of the richest shade of brilliant rose. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.

1794 Finest Mixed—Very choice mixture of all the best climbing varieties. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.

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, and will in a short time become a mass of bloom, and so remain all Summer. Elegant as cut flowers for bouquets, as the stems are good. Grow about 1 foot high, and are of easiest culture.

Hardy Garden or Clove Pinks

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

1778 New Double Large-Flowering Grass, or Spice Pinks (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 are 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., 25c.

1772 New Single Large-Flowering Grass or Spice Pink, Mixed—Same as above, only single. Pkt., 5c.

1773 Plumarius (Pheasant's Eye Pink)—A single hardy Pink; fringed edge, white flower with dark centers. Pkt., 5c.

1774 Double Clove Pink (Plumarius flore pleno)—Double and semi-double varieties. Many colors; of strong clove fragrance. Pkt., 10c.

1776 Cyclops Hybrids—Superb, double-flowering red and scarlet varieties; very fragrant. Pkt., 5c.

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., 10c.; 3 pkts., 25c.; $\frac{1}{2}$ oz., 50c.

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., 15c.

Four O'Clock, Marvel of Peru, page 76.

Forget-Me-Not—See Myosotis, page 78.

Our flower seed collections are great bargains. Don't fail to give them a trial. The inside of the back cover contains collections that should be in every garden.



Fuchsias

W. C. Clow of Tuscarawas County, Ohio, writes as follows:

"I have been buying seed from the Livingston Seed Company for 25 years and always found them number one."



California Poppies

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. The plants grow bushy and about one foot high. They are favorites everywhere. Bloom profusely from Spring sown seed. (See illustration.)

1804 "The Golden West"—Early and continuous bloomer. Magnificent flowers of gigantic size. Color intense shining yellow and orange. The state flower of California. Pkt., 5c.; ¼ oz., 15c.

1806 Finest Double Mixed—A splendid assortment of colors. Pkt., 5c.; ¼ oz., 15c.; oz., 50c.

1808 Finest Single Mixed—All the best varieties. Pkt., 5c.; oz., 25c.

1811 Bush Eschscholtzia (Hunnemannia)—A fine new perennial plant; forms a bushy shrub 2 feet high, producing large cup-shaped flowers on stems 12 inches long; of clear jonquil yellow and vivid bright orange stamens. Begins to bloom in July from Spring-sown seed. Pkt., 5c.

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 mid-Summer. Both classes are splendid as cut flowers. They are of the easiest culture, doing finely anywhere. Height 2 feet.

1830 Finest Single Annual Mixed—A very fine assortment of many brilliant colors. Pkt., 5c.

1832 Finest Double Annual Mixed (Lorenziana)—All the best double-flowering varieties in richest mixture. They bloom freely all the season. Splendid for bouquets. Pkt., 5c.

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., 5c.

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. A very fine variety. Pkt., 5c.

Mrs. J. I. Stivenson, Indiana Co., Pa., writes as follows:

"I used your seeds last season and will say they give the best results of any seed I used. I expect to continue to use them in the future."

Gourds

1862 Bath-Sponge, or Dish Cloth—A most admirable natural dish cloth is furnished by the peculiar sponge-like lining of this fruit. Pkt., 5c.; ½ oz., 20c.; oz., 35c.

1865 Dipper—Used for dippers; 9 to 12 inches long; hold from 1 to 4 pints; will last for years. Pkt., 5c.; oz., 25c.

1868 Japanese Nest Egg—Exactly like a hen's egg in shape, color and size. Pkt., 5c.; ½ oz., 15c.; oz., 25c.

1872 Sugar Trough—Holds 4 to 10 gallons; hard, thick shells; very light, strong and durable. Pkt., 5c.; oz., 25c.

1860 Gourd Mixture—Contains all of the above mentioned sorts. Pkt., 5c.; oz., 20c.

Gypsophila Paniculata (Baby Breath)

An elegant hardy perennial plant that should be in every garden. It is not only pretty in beds, but its delicate little flowers, produced in feathery white panicles, and branching foliage lend a daintiness to bouquets that is most elegant. Its sprays are much used in making up bouquets of Sweet Peas. 1878—Pkt., 5c.

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., 10c.

1843 Large-Flowering Double Varieties—Splendid strain; seed is saved from the finest double sorts. Pkt., 25c.

1845 Lady Washington—These are the well-known rich-colored showy Pelargoniums. Our mixture includes all the best varieties. Pkt., 20c.

1846 Apple-Scented—The old-fashioned favorite apple-scented Geranium. Pkt., 10c.

Hibiscus (Marshmallow)

Tall growing; especially adapted to backgrounds and shrubby borders. Of easiest culture, and bloom the entire season. Plants grow 4 to 5 feet tall.

1890 Africanus—A very choice annual variety. Flowers yellow, with maroon center. Pkt., 5c.

1892 Crimson Eye—The beautiful white flowers with deep crimson centers, are of immense size, often 6 to 7 inches in diameter. Perfectly hardy. Pkt., 5c.

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., 10c.



Gaillardia Grandiflora



Helichrysum

Godetia (Satin Flower)

1854—An attractive and 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. Our mixture contains all the best varieties. 1½ ft. **Mixed**—Pkt., 5c.

- 1855 **Brilliant**—Dwarf, Compact, Carmine rose. Pkt., 10c.
 1856 **Crimson Glow**—Dwarf, Compact, Crimson. Pkt., 10c.
 1857 **Duchess of Albany**—Dwarf, Satin White. Pkt., 10c.
 1858 **Rosamond**—Dwarf, Compact Shell Pink. Pkt., 10c.
 1859 **Apple Blossom**—Pink and white. Pkt., 10c.

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., 10c.

1882 **Dark Varieties Mixed**—All best dark blue and lavender shades in mixture. Pkt., 5c.

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

Hardy Garden Heliotrope—See *Valeriana*, page 90.

Mrs. H. F. Lindquist, Cook Co. Ill., writes as follows: "I am sending this second order for flower seeds this time, because of the exceedingly good results from my hot bed, in which I sowed my vegetable seeds. I believe every single seed has germinated, and I did not expect each one to come up, therefore they are crowding up in great shape. If your flower seeds are as good as your tomato seeds, I will never stray away from your good house."

Mrs. Lena Pinkston, McLean Co. Ill., writes as follows: "Received the order and was in fine shape. Always before I never received my seed for a month or so after I ordered them. But I will say when they come from the Livingston Co., they come in less than one week. I am always glad to speak a good word for them at any time. The seeds are doing nicely that I have planted."

Helichrysum (Straw Flower)

1888—A hardy annual of the easiest culture; one of our best "Everlasting" flowers, the dried double bloom being very handsome in Winter bouquets. Two feet. **Mixed**—Pkt., 5c.; ¼ oz., 20c.

1885 **Monstrosum**—Golden Globe, yellow. Pkt., 10c.

1886 **Monstrosum**—Silver Globe, glistening white. Pkt., 10c.

1887 **Monstrosum**—Crimson. Very rich. Pkt., 10c.

1889 **Monstrosum**—Violet. Very rich color. Pkt., 10c.

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 **Japonicus**—Has bright green foliage. Pkt., 5c.

1922 **Silver-Leaf Japanese Hop**—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., 5c.; ½ oz., 20c.

Ice Plant

1925 (*Mesembryanthemum*)—A very pretty trailing annual that has fleshy, wax-like leaves, which have the appearance of being covered with ice crystals. Splendid for rock-work, vases or hanging baskets. Flowers are white. Start seed in the house. Pkt., 5c.

Kenilworth Ivy

1932 **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 an exquisite foliage. Pkt., 10c.

Kudzu Vine

1936—*Pueraria Thunbergiana*—This wonderful climber is of Japanese origin and is the most luxuriant and rapid-growing vine known in 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 12 inches 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., 10c., 3 pkts., 25c.

Try a packet of our **Wild Flower Garden Mixture** for the children. See inside back cover.



Heliotrope. Pkt., 10c.



Livingston's Prize Hollyhocks

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., 10c.; ½ oz., 40c.

1960 Emperor William—A brilliant, compact-growing light blue; a very fine variety. Pkt., 5c.

1962 Gracilis—Fine for hanging baskets, vases and window boxes. Light blue, a trailing variety. Pkt., 5c.

1964 Mixed Compacta Sorts—A very fine mixture of all the best varieties for edgings and bedding. Pkt., 5c.

Kochia Tricophylla

1934 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 same time ends of shoots are thickly set with small bright scarlet flowers and produce a very striking effect. Pkt., 10c.; ½ oz., 20c.; oz., 35c.



Partial View of Flower Trials, "True Blue" Seed Farm

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. 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, 1897 Double Lemon Yellow, 1898 Double White, 1900 Double Rose Pink, 1901 Double Crimson, 1904 Double Scarlet, 1905 Double Salmon. Each color, Pkt., 10c.

Livingston's Prize Mixture

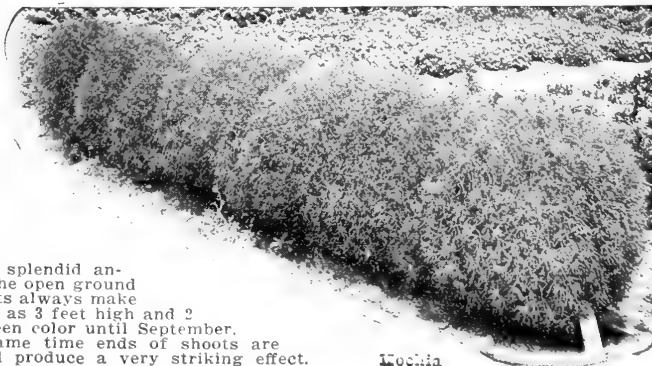
1908—This is our best mixture. It is composed exclusively of the finest double-flowering varieties. It contains not only the above elegant colors, but also innumerable other shades. Pkt., 10c.; ¼ oz., 25c.

Mammoth Allegheny

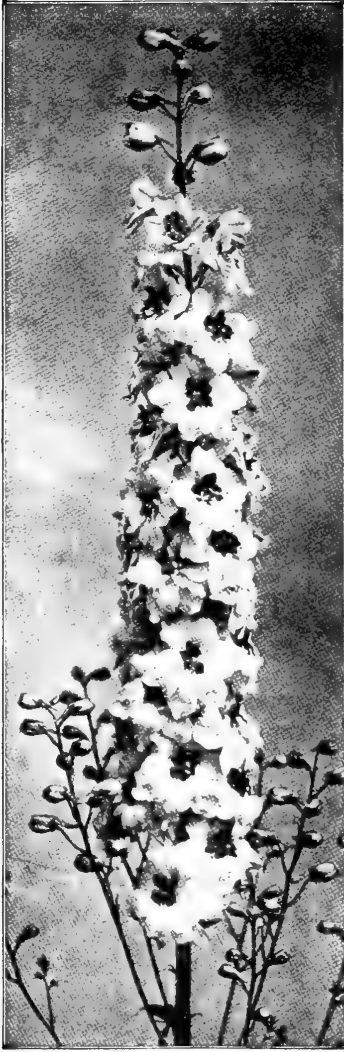
1910—Attractive variety. Its lovely arranged, fringed and transparent petals look as if they were made from the finest China silk. The individual flowers are enormous in size, and in color they range from the palest pink to deepest red. In form the flowers are double, semi-double and single. Plants are in full bloom from July until frost. Pkt., 10c.; ¼ oz., 25c.

New Annual Everblooming Hollyhocks

1913 Mixed Annual 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 hot-beds, 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, ten days after Hollyhocks that have been treated as biennials. Pkt., 10c.; ½ oz., 30c.



Kochia



Larkspur

Larkspur (Annual Delphinium)

1944 Stock Flowered Larkspur
—These tall growing and branching Larkspurs produce the most brilliantly beautiful spikes of double flowers; continuously in bloom all Summer. All colors mixed. Pkt., 5c.

1947 Dwarf Hyacinth-Flowered
—Resembles a Dutch Hyacinth in style of bloom. Our mixture includes a very fine range of colors and shades. Pkt., 5c.; ½ oz., 25c.

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., 10c.; ½ oz., 30c.

1951 Double Dwarf Rocket—A most choice mixture of varieties, that grow about 1 foot in height. Pkt., 5c.; ½ oz., 15c.

1953 Double Tall Rocket—This well known mixture embraces the very choicest colors in the taller growing sorts. Pkt., 5c.; ½ oz., 15c.

**Perennial Larkspur—See
Delphinium.**



Lantana

Lantana

1938—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 hot-bed. Tender perennial. 1½ feet. **Mixed**—Pkt., 5c.; ½ oz., 15c.

Lavender

1957 (Lavandula vera) True Lavender—Popular sweet-scented hardy perennial; fine for mixed border. Three feet. Pkt., 5c.

Lychnis

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

1971 Finest Mixed Hybrids—Plants are compact and bushy; colors include all the most brilliant shades, from pure white to deepest red. Pkt., 5c.

If you are intending to plant a flower garden and are undecided as to just what to plant refer to inside of back cover of this catalogue where you will find our "Rain-bow Collection" of annual flowers, at 50c and also our "Bright Array" collection at 25c.



Four O'Clock

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 Variegated—The brilliant flowers, in many colors, contrast finely with the golden-hued foliage. Pkt., 5c.; oz., 20c.

1997 Finest Mixed—An elegant assortment of these old-fashioned favorites. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.

Maurandya

1999—Elegant twining, climbing plants, with handsome foliage and flowers. They bloom profusely all summer in the garden, and are also particularly adapted for the house and conservatory. **Blue, White and Mauve, Mixed**—Pkt., 10c.

Mimulus (Monkey Flowers)

Very showy and free-blooming plants, having brilliant and greatly varied blooms. Fine for pots, or in the garden. They do best in rather shaded moist, situations. One foot.

2018 Tigrinus—Striped and spotted varieties; very fine. Pkt., 10c.

2022 Moschatus (Musk Plant)—Fine for hanging baskets, etc. Small yellow flowers. The foliage has a strong odor of musk. Pkt., 5c.

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, for continuous bloom until frost; and if the plants are thinned out to six inches apart, and the tops pinched off when about two inches high, stronger plants, with larger spikes of elegant bloom, will be the result. Height 1 to 2 feet, according to the variety.

2001 Mammoth Red Goliath (See Illustration)—This is the ideal Mignonette for garden or pot culture. Of strong, stocky growth, luxuriant rich green foliage. Branching habit; flowers about 2½ inches in diameter. Surpasses all others in brilliancy of color. Strong, delightful fragrance. Pkt., 10c.; ¼ oz., 35c.

2005 Machet—A very fine variety, especially for growing in pots; has large fragrant spikes of reddish bloom. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.

2006 Golden Machet—A distinct variety of the above, having golden-yellow flower spikes. Very sweet and elegant. Pkt., 10c.; ¼ oz., 15c.

2007 De fiance—Has immense spikes of bloom. Keeps long time after being cut, and very fragrant. Pkt., 5c.; ¼ oz., 15c.

2008 Victoria Red—An elegant sort; fine flower-spikes of the most brilliant dark-red; very sweet. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.

2009 Golden Queen—A very compact-growing sort; flower spikes golden yellow. Fragrant and fine. Pkt., 5c.; ¼ oz., 15c.

2010 Parson's White—A robust grower, bearing large spikes of bloom; pure white and very fragrant. Pkt., 5c.; ¼ oz., 15c.

2011 Sweet Mignonette (Reseda Odorata)—The old-fashioned, deliciously-sweet-scented variety. Pkt., 5c.; oz., 25c.

2016 Finest Mixed Varieties—An elegant mixture of above fine varieties, and many other choice sorts. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.

Livingston's Superb Marigolds

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

1984 Legion of Honor (Little Brownie)—Handsome single variety, covered with a multitude of flowers.



Legion of Honor (Little Brownie) Marigolds

In color it is a velvety golden yellow blotched with purple. One foot. Pkt., 5c.; ¼ oz., 20c.

1988 Tall Double Mixed—A splendid assortment of all the best colors in striking combinations. 2½ feet. Pkt., 5c.; ½ oz., 25c.; oz., 40c.

1990 Dwarf Double Mixed—Similar mixture to No. 1980 in colors, but the plants grow much dwarfer. One foot. Pkt., 5c.; ½ oz., 25c.; oz., 40c.



Superb African Marigolds

African Marigolds

1972 Lemon Ball—Extra large round, double flowers of a clear canary yellow. Pkt., 10c.

1973 Orange Ball—Enormous double flowers of intense rich orange. Flowers produced in great profusion from July until cut down by frost. Pkt., 10c.

1974 Mammoth Lemon Queen—Flowers very large; rich lemon color; double. Three feet. Pkt., 5c.; ¼ oz., 35c.

1976 Mammoth Orange Prince—Enormous double blooms, of an intense, very striking orange. Three feet. Pkt., 5c.; ¼ oz., 25c.

1978 Mammoth Tall Mixed—A splendid assortment of all the best shades in African Marigolds. Three feet. Pkt., 5c.; ½ oz., 25c.; oz., 40c.

1980 Mammoth Dwarf Mixed—The flowers are enormous in size, but the plants grow dwarfer. 1½ feet. Pkt., 5c.; ½ oz., 25c.; oz., 40c.



Moonflowers

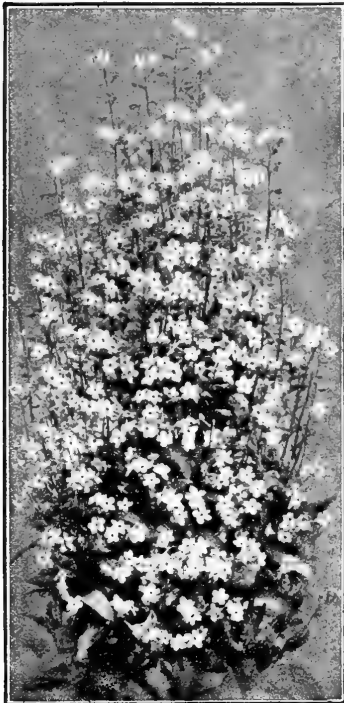
(*Ipomoea Noctiflora*—See Illustration Above)

Splendid annual climbers of most rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees, they are valuable. The seed should be lightly cut at the end and soaked over night before planting.

2038 Northern Light—The earliest blooming of all the Moon-flowers. Its lovely pink flowers are produced by the thousands, all Summer and Fall. Pkt., 10c.

2040 Moonflower, White-Seeded—The variety most generally grown, being 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 5-pointed star in the center. Pkt., 10c.

2042 Moonflower, 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, large and fragrant. A very rapid grower; 20 to 40 feet. Pkt., 10c.



Myosotis Palustris. Pkt., 10c.

2046 Ipomoea Rubro—Coerulea (Heavenly Blue)—The popular climber; has immense blooms of bright sky-blue. Very fine sort. Pkt., 10c.

One Pkt., of each of above 4 Moonflowers, 30c.

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 will take little risk in using them.

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 of 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., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

2026 Finest Mixed Japanese—Very choice strain; flowers large, and in greatest variety of colors and shades. Pkt., 5c.; ½ oz., 10c.; oz., 15c.

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., 10c.; ½ oz., 25c.; oz., 35c.

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 colored sorts. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.

2030 Brazilian Morning Glories (Ipomoea Setosa)—This desirable climber makes a thick, dense growth of great lobed leaves, and is brilliant with an endless profusion of immense clusters of rosy-colored flowers, with a satiny-pink star in the center of each. Pkt., 10c.

Dwarf, or Bedding Morning Glories

Beautiful and showy plants, producing an abundance of richly-colored flowers, which, in fine weather, remains open all day. Hardy annual. One foot.

2036 Choice Mixed—A very large assortment of these richly-colored favorites. Pkt., 5c.; oz., 15c.



Myosotis (Forget-Me-Nots)

The Forget-Me-Not is an old favorite, bearing clusters of star-shaped flowers. Succeeds best in a moist, shady situation, and blooms the first year from seed sown early. Seed sown in Autumn flowers in early Spring. Hardy perennial.

2050 Palustris (True Forget-Me-Not)—Beautiful blue; 6 inches. Pkt., 10c.

2051 Alpestris—Bright Blue. Pkt., 5c

2054 Semperflorens—Splendid dwarf Forget-Me-Not; will thrive in sun or shade, covered from early to late with beautiful blue flowers. Pkt., 5c.

2058 Finest Mixed Varieties—A mixture of all the finest sorts. Pkt., 5c.

B. Blickenderfer, Laclède Co., Mo., writes: "Enclosed find 25c for your seven varieties of Sweet Peas, Spencer variety. Those we received from you last year did extra fine; they were without doubt the finest in the city."

Mr. Floyd H. Ferrell, Hocking Co., Ohio, writes: "I have had good success with your seeds last year, and I think they are surely True Blue Seeds indeed."

Mrs. J. C. Wilson, Darlington Co., Ill., writes as follows:.....

"I always feel that I am going to have a garden when I plant your seed, have never failed, please send seed as soon as possible."

Joseph W. Cook, Ross County, Ohio, writes as follows:

"Your seeds that I bought from you last year were fine. Hoping you will accept this small order."

Nasturtiums

Giant Flowering, Tall or Climbing

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. (See illustration, greatly reduced in size.) They grow easily and 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 7 separate kinds.

2066 Giant Golden Yellow—Mammoth flowers, frequently 3½ inches in diameter; borne on long, strong stems well above the foliage; exquisitely formed with overlapping crinkled petals of a rich golden yellow. Strong, vigorous grower; large, bright green leaves. A grand and distinct variety. **Pkt., 5c.; oz., 20c.**

2067 Giant Rose—A most desirable variety, with flowers of a soft rosy pink color; foliage light green. The brightest rose-color Nasturtium we have ever seen. Abundant bloomer. **Pkt., 5c.; oz., 20c.**

2068 Giant Cream and Pink—The extremely large flowers are of full expanded form; the daintiest of all Nasturtiums. Its superb coloring is of blush cream, flushed with rose. Nothing we can say can convey an idea of its fairy-like beauty, mammoth size and splendid substance. **Pkt., 5c., oz., 20c.**

2069 Giant Lemon and Rose—Grand, extra large flowers of clear pale lemon color, varying to bright yellow; beautifully blotched with bronze crimson. **Pkt., 5c.; oz., 20c.**

2070 Giant Deep Crimson—The deepest and richest of all dark red Nasturtiums. The foliage is dark green; the mammoth flowers, which are borne in great abundance, have a soft, velvety texture; slightly crumpled petals and wonderfully rich coloring. **Pkt., 5c.; oz., 20c.**

2071 Giant Striped Hybrids—A gorgeous strain of brilliantly striped beauties of various shades and tints; gigantic in size. Its wonderful variety of colors and markings show many unique combinations. **Pkt., 5c.; oz., 20c.**

2072 Giant Brilliant Scarlet—A glowing, flaming scarlet, intense and vivid; the largest of its color; of splendid substance and beautiful form. **Pkt., 5c.; oz., 20c.**

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

Perfection Collection of Giant-Flowering 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

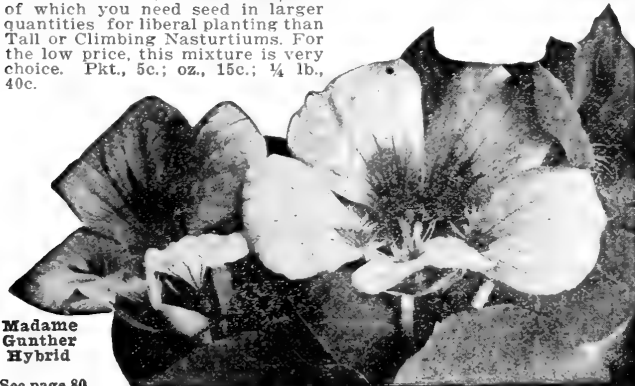
7 LARGE PACKETS of the above **Wonderfully Beautiful Kinds**, postpaid, to any address, for **25c**
FIVE COLLECTIONS for \$1.00



Specimen Flowers from Livingston's Top-Notch Mixture

Tall Mixed Nasturtium

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., 5c.; oz., 15c.; ¼ lb., 40c.**



Madame Gunther Hybrid

See page 80

Livingston's Top-Notch Mixture

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. We strongly recommend our customers to plant liberally.

2100 Top Notch Mixture of New Giant-Flowering Nasturtiums—A large packet, 10c.; oz., 20c.; ¼ lb., 50c.

Mrs. C. H. Brandt, Hancock Co., Ill., writes as follows:

"I was well pleased with my seed that I got last year and think they are the best I ever tried and the most for the money."

Tall Nasturtiums (Continued)

Madame Gunther Hybrid Climbing Nasturtiums

These are of French origin, and for rich and striking colors are not surpassed by any class of climbing Nasturtiums.

2096 Mixed Colors—Pkt., 5c.; oz., 15c.; ¼ lb., 50c.

Lobb's Climbing Nasturtiums

(*Tropaeolum Lobbianum*)—Both foliage and flowers of this class are somewhat smaller than the Tall varieties, but the splendid profusion of bloom and the intensely brilliant colors of the flowers render them of the greatest value. 12 to 15 feet.

2095 Lobb's Finest Mixed—This elegant assortment of Lobb's climbing Nasturtiums is composed of the most brilliant colors in this class. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.

Frank Hutchison, Muskingum County, Ohio, writes on May 17th, as follows:

"I am very well pleased with the seed I have received."

Ivy-Leaved Trailing Nasturtium

This is a most distinct variety, both in flower and foliage. The plants are of very sturdy running growth, and leaves which are of a deep green, veined with silvery-white and star-like, resemble the hardy English Ivy. The flowers in intense glowing scarlet and most distinct in form, the petals being finely feathered. Especially graceful in hanging baskets, window boxes and vases.

2101 Scarlet—Pkt., 10c.; ½ oz., 20c.; oz., 30c.

New Fringed Nasturtiums

2104 Mixed—A decidedly novel and distinct new Nasturtium, with magnificent large flowers, deeply fringed. Climbing variety, reaching a height of 10 to 12 feet. Deep green foliage. A unique and beautiful variety. Pkt., 10c.

Marble-Leaved Queen

2110 Mixed—A beautiful variety and a new type, having leaves marbled, striped, and blotched with white yellow and green. Many colors mixed. Pkt., 5c.; oz., 25c.



Dwarf Nasturtiums

2135 Golden King—A rich orange-yellow. Foliage dark. Pkt., 5c.; oz., 25c.

2136 King of Tom Thumbs—Glowing, darkest scarlet flowers. Foliage very dark green. A most rich and brilliant variety. Pkt., 5c.; oz., 25c.

2137 Dwarf King Theodore—A velvety crimson-maroon, almost black. The leaves are the darkest in Nasturtiums. Pkt., 5c.; oz., 25c.

2133 Dwarf Chameleon—Of brilliant shades and diversified markings; some self-colored, others splashed and mottled. Pkt., 5c.; oz., 25c.

2134 Empress of India—A very compact-growing sort, having purplish-green leaves; the flowers are fiery crimson. Pkt., 5c.; oz., 25c.

Dwarf Liliput 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.

2152 Mixed—Pkt., 5c.; oz., 25c.

Queen of Holland (New Liliput 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 in color and are produced in a wonderful variety of shades and combinations, including cream rose, scarlet, orange, crimson—all beautifully blotched.

2131 Mixed Colors—Pkt., 10c.

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—Large pkt., 10c.; oz., 20c.; ¼ lb., 65c.

Mixed Dwarf Nasturtiums—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.

2150 Choice Mixed—Pkt., 5c.; oz., 20c.; ¼ lb., 50c.

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., 5c.; oz., 25c.



Glory of the Garden Nasturtium

Nicotiana (Sweet-Scented Tobacco Plant)

2158 Affinis—A very popular sort; its flowers are pure white and deliciously fragrant. Always in bloom. Pkt. 5c.

2160 Sanderae—This beautiful hybrid Nicotiana form bushy, much-branched plants 2 feet high, the whole plant laden with flowers from base to summit—literally ablaze with handsome carmine-red fragrant blossoms, hundreds of which are produced on a single plant. Pkt., 10c.

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., 5c.

Ornamental Grasses

Effective and attractive for garden borders and ornamental groups. Also extensively used when dried for Winter bouquets.

1660 Coix Lachrymae (Job's Tears)—Beautiful variety. Has corn-like leaves, and hard, glossy gray colored seeds, which naturally have a hole in them like beads. 2 feet. Pkt., 5c.; oz., 10c.; 2 oz., (enough for a chain) 15c.; ¼ lb., 20c.; lb., 60c.

2170 Eulalia Zebrina (Zebra Grass)—The long dark green leaves are beautifully striped with yellowish white. Perennial. 5 feet high. Pkt., 10c.

2172 Mixed—Annual varieties. Pkt., 5c.



Livingston's Mammoth Pansies

Our Pansy Seeds are grown exclusively 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 amateur and professional grower alike. Sow in the house, hot-bed; or green house; or as soon as the weather permits, the seed may be sown directly in the garden beds. 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 result can be obtained. Seed sown from July to September and the young plants transplanted into cold-frames for the winter, will bloom grandly very early the following Spring. (Prices by ounce or larger quantities will be quoted upon application.) Free to our customers, leaflet on the culture of Pansies.

Exquisite Orchid-Flowered

2179 All Shades Mixed—All the delicate shades and tints of the Orchids may be found in these charming, pretty favorites. Rose, orange, pink, lilac, terra cotta, chamois and other exquisite shades are predominant and please all lovers of the delicate by their refined form and texture. Orchid-flowered Panies are not as large as some of our Giant strains; but they will appeal by their exquisite coloring and the elegant shape of their flowers. Pkt., 10c.

Giant German

2185—The German Pansies are noted for their almost endless variations, which include striped, blotched, bordered, veined, and marbled combination, in every possible color and shade. The plants are of compact growth and flower most profusely and continuously all Summer. Pkt., 10c.; 3 pkts. for 25c.

Mrs. E. W. Budd, Vigo Co., Ind., writes as follows: "My Pansy's last year were the best I ever saw."

Giant Ruffled Masterpiece

2181—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., 15c.; 2 pkts. for 25c.

Mammoth Parisian

2183 The French Pansies are large, and strongly marked and blotched; in a word they are very attractively "Frenchy." The strain we offer is one of great excellence, the individual flowers being superb, and include many fine shades. Pkt., 10c.; 3 pkts. for 25c.

Livingston's Giant Mixture

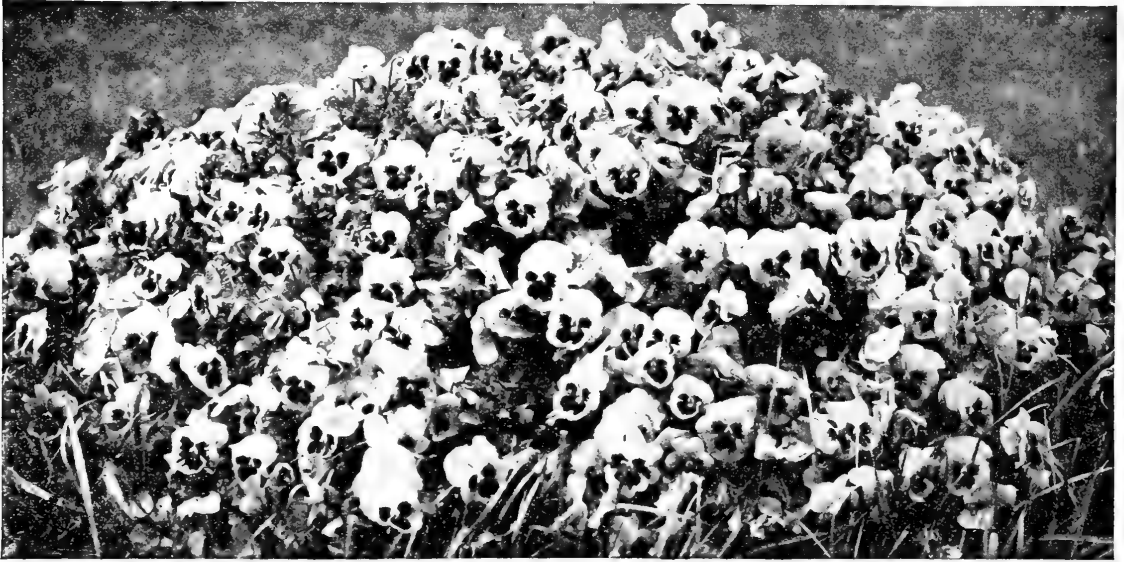
This splendid mixture is a blended combination of giant-flowering Pansies. It contains all colors and will prove a delightful surprise in regard to their great size.

2177 Giant Mixture—Pkt., 10c.; 3 pkts. for 25c.; ¼ oz., \$1.00

2191 English Pansies—The old-fashioned "English Face" Pansies. Pkt., 10c.; 3 for 25c.



From Our Giant Pansy Mixture



Livingston's Fancy Pansy Mixture

Livingston's Fancy Pansy Mixture

2175 Fancy Mixture—In this magnificent mixture of mammoth flowering pansies the blossoms are borne on long stems well above the foliage and are distinguished for their gorgeous and varied colorings and beautiful markings; of fine substance, velvety texture, perfect form, and giant size, frequently measuring three inches in diameter. The colorings are wonderfully rich and varied; every shade and tint of rose, canary-yellow, black, white, cream, lavender, garnet, sky-blue and orange are produced in endless variation. An unequaled collection of all the finest types. The best, handsomest and most perfect giant flowering varieties. Pkt., 25c.; 3 pkts., 60c.; $\frac{1}{8}$ oz., \$1.40.

Giant Trimardeau Separate Colors

	Pkts.
2194 Gt. Atropurpurea (Rex) —Velvety, royal purple.....	10c.
2195 Gt. Emperor William —Indigo blue, blotched black.....	10c.
2196 Gt. Golden Queen —Pure golden-yellow; very fine.....	10c.
2197 Gt. King of the Blacks —Lustrous, jet-black.....	10c.
2198 Gt. Ld. Beaconsfield —Lavender, heliotrope, purple.....	10c.
2199 Gt. Peacock (Gloriosa) —Garnet, cream and blue.....	10c.
2200 Gt. President Carnot —White, large violet blotches.....	10c.
2201 Gt. Snowflake —Spotless, snow white.....	10c.

Giant Trimardeau, Mixed

2205—These are among the largest flowered of all, a most showy class of robust and very compact growth. Flowers are carried well above the leaves. Mixture of finest colors. Pkt., 10c.; 3 pkts., 25c.; $\frac{1}{8}$ oz., \$1.00.

Don't fail to read our bargain Flower Seed collection on the inside of the back cover.

Madame Perret

2189—A splendid giant-flowering strain, which is of French origin. The flowers are produced most freely, and are of the greatest diversity of colors, comprising all shades of red, from lightest rose to darkest purple. Many are striped. Pkt., 15c.

Bugnot's Superb Blotched

2187—The flowers of this splendid strain are of the largest size, and produce the handsomest and richest blotched varieties known in Pansies. We recommend this mixture. Pkt., 20c.; 3 pkts., for 50c.

Bedding Pansies Mixed

2225 Mixed—We have taken much pains in composing this mixture and it will make a rich display. Contains all the fine Bedding Pansies named above. Pkt., 5c.; $\frac{1}{8}$ oz., 40c.; $\frac{1}{4}$ ob., 75c.; oz., \$2.00.

Our "Giant Six" Pansy Collection

This collection contains one packet (about 100 seeds) each of the following elegant varieties: **Giant Red, Giant White, Giant Blue, Giant Purple, Giant Yellow and Giant Black.** Six packages in all for 25c.

Platycodon (Chinese Bell-Flower)

2297 Mixed—A splendid hardy perennial, producing large bell-shaped, white and blue flowers; very showy. Pkt., 5c.; $\frac{1}{8}$ oz., 25c.

Pyrethrum (Feverfew)

Most attractively hardy perennials, which have become very popular. Valuable border plants with many stems about two 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. (See **Feverfew**.)

2362 Single Hybrids—This mixture contains the very largest flowering and choicest varieties. Pkt., 15c.

2364 Golden Feather (Aureum)—Dwarf growing variety, with bright yellow foliage; largely used for edgings and ribbon work. Usually treated as an annual. $\frac{1}{4}$ ft. Pkt., 5c.; $\frac{1}{8}$ oz., 20c.



Giant Trimardeau Pansy



Finest Mixed Petunia

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.

2346 Chinese Primrose—Superb Single Mixed—An elegant mixture, embracing all the best large-flowering varieties, and including the finest fringed sorts. Pkt., 25c.

2348 Chinese Primrose—Superb Double Mixed—Splendid strain of the finest large-flowering, fringed varieties. Our mixture includes all the most brilliant colors. Pkt., 25c.

2350 Primrose—Choice Mixed—This is a very choice mixture, and for general purposes will be found most satisfactory. Pkt., 15c.

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; ever-blooming variety with true Primrose fragrance. Pkt., 10c.

2354 Japonica (Japanese Primrose)—Very bright and showy flowers, borne in whorls on stems 6 to 9 inches long. Choicest colors. Pkt., 10c.

Annual Phlox

For a splendid mass of color and a constant display, the 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—Most pleasing color; a profuse bloomer. Pkt., 5c.; $\frac{1}{4}$ oz., 40c.

2270 Brilliant Scarlet—Is especially showy in large beds or borders. Pkt., 5c.; $\frac{1}{4}$ oz., 40c.

2271 Crimson—Popular sort; very brilliant and effective. Pkt., 5c.; $\frac{1}{4}$ oz., 40c.

2273 Pure White—Pkt., 5c.; $\frac{1}{4}$ oz., 40c.

2274 Yellow—Distinct. Pkt., 5c.; $\frac{1}{4}$ oz., 40c.

2267 Prize Mixture of Large Flowering Phlox—Large. Pkt., 10c.; $\frac{1}{4}$ oz., 45c.; $\frac{1}{2}$ oz., 80c.

Phlox Drummondii—The old-fashioned favorite variety.

2265 Mixed—Pkt., 5c.; $\frac{1}{4}$ oz., 35c.; $\frac{1}{2}$ oz., 65c.

2278 Mixed Star-Shaped Phlox—Long, pointed petals, which give the flowers a star-like appearance; plants grow compact and dwarf. Pkt., 5c.; $\frac{1}{8}$ oz., 30c.

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 hot bed or cold frame, to be transplanted later to beds or borders. Height 1 to $1\frac{1}{2}$ feet.

Large-Flowering Petunias

The blooms are enormous in size and of the richest colors and markings. Varieties listed below are unsurpassed.

2240 Livingston's Superb Single Mixed—A strain of incomparable beauty and luxuriance. Flowers most varied in colors and markings; beautifully ruffled, fringed and of enormous size. Pkt., 15c.; 2 pkts. for 25c.

2244 Ruffled Giants—The flowers of this strain are of extraordinary size and great substance; the edges of the blooms ruffled. Contains the greatest variety of rare colors and combinations. Pkt., 25c.

2242 Giants of California—These Petunias are of great beauty and luxuriance, including fringed and deep-throated sorts in endless variety of colors, veining and markings. Flowers of enormous size. Pkt., 15c.; 2 pkts. for 25c.

2246 Livingston's Superb Double Mixed—Our best mixture of all the large flowering double varieties including striped, blotched and fringed sorts. Pkt., 25c.

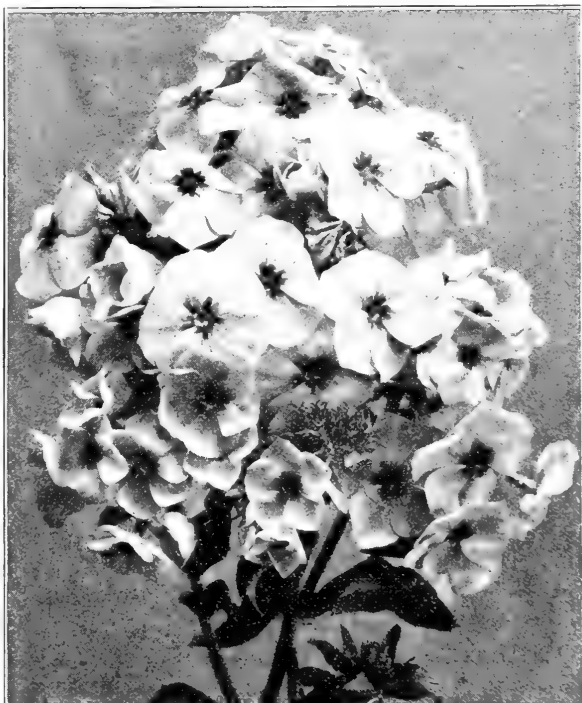
Bedding Petunias

2250 Howard's Star-Shaped—Entirely distinct. The five-petaled blooms have star-shaped markings of bluish-pink or white over maroon ground; very fine. Pkt., 5c.

2254 Snowball—A charming, compact-growing variety grows about 8 inches and yields in greatest profusion all season its pure satiny-white flowers. Pkt., 10c.

2256 Striped and Blotched—A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt., 5c.; $\frac{1}{8}$ oz., 30c.

2258 Finest Mixed—A choice mixture of colors and shades; will make a fine display in your garden. Pkt., 5c.; $\frac{1}{8}$ oz., 30c.



Annual Phlox



Double Annual Poppies

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 various varieties grow about two feet in height, except as noted.

Double Annual Poppies

2300 Paeony Flowered—Large, showy double globular flowers; almost equal to Paeonies. Our mixture contains the finest colors. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.

2302 White Swan—Pure snow white, double and large size. Beautifully fringed. Pkt., 5c.

2306 Fairy Blush—Immense flowers, perfectly double, 5 inches across; elegantly fringed; pure white, rose-tipped petals. Pkt., 5c.

2308 Carnation Flowered—Splendid large double flowers; showy and beautifully fringed. Mixture is unequalled for dazzling richness and great variety of colors. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.

2310 "Mikado" (The Striped Japanese Poppy)—Very distinct and beautiful; the large blooms are brilliant scarlet and white, with elegantly curved and fringed petals. Pkt., 5c.; $\frac{1}{4}$ oz., 10c.

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

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., 50c.

2321 Danebrog (Danish Cross)—A very showy single variety; brilliant scarlet, blotched with silvery gray. Pkt., 5c.

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., 5c.; $\frac{1}{4}$ oz., 20c.

2325 New Admiral—Of surprising beauty. Large, round, smooth edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top. Pkt., 10c.

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.

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., 10c.; $\frac{1}{2}$ oz., 25c.; $\frac{1}{4}$ oz., 40c.

2335 Oriental Hybrids—Splendid hybrids of Oriental Poppy. Enormous flowers, sometimes more than six inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson and innumerable others equally fine. Our mixture contains them all. Pkt., 10c.; $\frac{1}{2}$ oz., 45c.; $\frac{1}{4}$ oz., 60c.

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 12 inches high, forming tufts, from which the flower stems issue most profusely. Very useful for cut flowers. Easy to grow. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.

2332 Double Mixed Iceland—This splendid mixture of double-flowering varieties you will find very superior. Pkt., 10c.; 3 pkts., 25c.

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—A most elegant mixture; flowers large and of every shade of color. Pkt., 5c.; oz., 40c.

Mrs. H. N. Chapman, Shelby Co., Ohio, writes: "I have used the Livingston Seeds for years and I would be afraid to use any other now. I used to have very poor gardens, but now I raise as fine stuff as any one for miles around, so I find it is the seed, not in the person. I will try to get as many friends to send when I send as I can."



GIANT SHIRLEY POPPIES

Ricinus

(Castor Oil Bean)

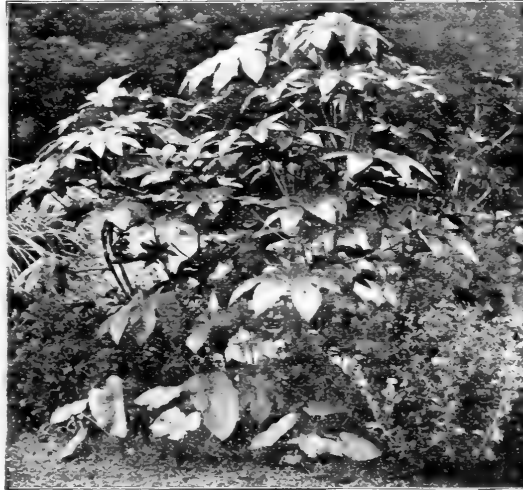
2370 Zanzibariensis—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 ft. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.

2371 Bourboniensis—Very large and most showy green foliage; a standard variety. 10 to 15 ft. Pkt., 5c.; oz., 20c.

2372 Cambodgensis—Main stem and leaf stalks shining ebony black; leaves large and brilliantly colored. Foliage assumes various shades. 5 feet. Pkt., 5c.; oz., 20c.

2373 Gibsoni—Compact growing variety of branching habit. The large leaves are a deep red. 5 ft. Pkt., 5c.; oz., 20c.

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., 5c.; oz., 15c.; ¼ lb., 50c.



Ricinus. Pkt., 5c.

Roses

(Bloom the First Year From Seed)

2380 Baby Roses, also called **Dwarf Midget**, or **Fairy Roses**—These beautiful little roses are borne in many flower clusters of double, semi-double and single flowers and are of all the tints of other roses. Seed should be soaked in warm water a day or two before planting; perfectly hardy blooming year after year. Pkt., (50 seeds), 10c.; 3 pkts., 25c.

Salpiglossis

(Painted Tongue)

2400 Mixed—The Salpiglossis is one of the most popular and favorite annuals. It is of the easiest culture. Especially is it noted for its beautiful, almost orchid-like blooms. (See illustration below.) Our mixture is unsurpassed, containing every desirable color and shade of the large-flowering varieties. 1½ feet. Pkt., 5c.

Salvia (Flowering Sage)

Very ornamental plants, 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 2 to 3 feet. (See illustration.) May be used as a hedge with striking effect.

2384 Splendens Grandiflora (Scarlet Sage)—Gorgeous plants, numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. Continues to flower profusely all Summer and Fall. Of easy growth. The most popular Salvia in cultivation. Pkt., 10c.; ½ oz., 60c.

2389 Scarlet Dragon—A magnificent free-growing new variety, forming dense, bushy plants 3 feet high; with clean, light green foliage, and bearing innumerable mammoth spikes of vivid carmine scarlet flowers of extra large size. Splendid for borders, beds and masses, as it is always in bloom and vividly gay. Pkt., 10c.

Mrs. Wm. Krueger, Knox Co., Mo., writes: "I have always been more than pleased with seeds bought from you. The results in health, pleasure and profit I get from the cultivation of your famous Tomatoes and Nasturtiums alone repays me many times over for all labor put in my whole garden."



Salvia Splendens

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., 10c.; ½ oz., 90c.

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., 10c.

Ostrich Plume

2385—This new variety is the most beautiful or Salvias of recent introduction. Its habit of growth resembles that of the Splendens type, but produces a Plume quite similar in form to Ostrich Plume Celosia. One Plume alone is a bouquet itself, quite a per cent of the flowers are double and this is the only Salvia up to the present time that is somewhat different from all other Salvias, being of a rich, glossy dark scarlet. Pkt., 15c.; ½ oz., 75c.



Salpiglossis, or Painted Tongue

Scabiosa

(Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, Etc.)

—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 (see illustration) are borne on very long stems, and when cut keep in perfect condition for the best part of a week.

2404 Livingston's Improved Large-Flowering Scabiosas, Finest Mixed Colors—A very fine mixture, containing all the finest large-flowering double sorts. All colors. Pkt., 5c.

2406 Azure Fairy—Exquisite sky-blue. Pkt., 10c.

2408 Fiery Red—Very striking; double; fiery scarlet. Pkt., 5c.

2412 Snowball—Double white flowers; fine for bouquets. Pkt., 5c.

2414 Golden Yellow—Very fine color. Pkt., 5c.

2418 Flesh.

Pkt., 5c.

2420 Lilac.

Pkt., 5c.

2421 Cherry Red and White.

Pkt., 5c.

2422 White and Lilac.

Pkt., 5c.

Collection Scabiosa, above 8 separate colors, 30c.

2426 Hardy Scabiosa Caucasica—Grand hardy perennial, 3 feet high; large lilac-blue flowers; splendid for cut flowers. Pkt., 10c.

Schizanthus or Butterfly Flower

2427 Schizanthus Mixed—Popularly called the "Poor Man's Orchid." It grows from a foot to 18 inches 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. 5c. per packet.

Scarlet Runner-Bean

2429—Ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Pkt., 5c.; ¼ lb., 25c.

Sunflower (Helianthus)

A well-known family of hardy annual, very showy plants, large flowers.

2454 New Miniature—Beautiful new hybrids; small single flowers in great abundance; colors, creamy white, lemon and orange; indispensable for cutting. Pkt., 5c.; ¼ oz., 20c.

2456 Globe of Gold—Globe-shaped, double yellow flowers. Pkt., 5c.

2460 Livingston's Mixed Sunflowers—A great variety of single and double varieties. Every shade of yellow is included. Pkt., 5c.; ½ oz., 15c.; oz., 25c.



Ten-Week-Stock Snow White. Pkt. 10c.

Sensitive Plant

2430—A pretty and curious annual plant; the leaves and footstalks close and droop at the slightest touch, or cloudy, damp weather. One and one-half feet. Pkt., 5c.

Smilax

2435—Charming tender perennial climber for house or greenhouse. Pkt., 5c.



LARGE
FLOWERING
SCABIOSA

Stokesia Cyanea

2436 (Cornflower Aster)—A valuable hardy perennial bedding plant. Plants large, 18 to 20 inches high, with Bachelor's Button-like light lavender-blue flowers, which are several inches in diameter. Are produced from July until late in October. Very easily grown in almost any situation, Pkt., 10c.

Shasta Daisies

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.

2433 Selected Seed—Much superior to original strain. Pkt., 10c.

Stocks (Gilliflower)

Indispensable for bedding, borders, massing or pot culture. Large-Flowering Double "Cut and Come Again" Varieties.

2446 Snow White—(See illustration.) Pkt., 40c.

2440 Finest Mixed—This is our very best mixture of large-flowering stocks. The perfectly double flowers embrace every color and shade. Pkt., 10c.

2448 Giant Perfection Stocks—Long spikes of double flowers. Pkt., 10c.

2450 Fine Mixed Stocks—A choice mixture of various colors and shades. Pkt., 5c.



White Spencer

2590 White Spencer—Without doubt the largest and most magnificent White Sweet Pea ever introduced. The vines are almost completely covered with mammoth flowers. The flowers are borne 3 to 4 on a stem and are of splendid substance. It is without a rival among White Sweet Peas. Pkt., 10c.; oz., 30c.

2584 Astha Ohn Spencer—Finest lavender Spencer Sweet Pea grown. Comes remarkably true to type, producing the elegant, bold, wavy flowers in greatest profusion. Pkt., 10c.; oz., 35c.

2623 Othello Spencer—Deep velvety maroon. By far the finest of the dark-colored Spencers. Of very large size and beautiful form. Pkt., 10c.; oz., 30c.

2583 King Edward Spencer—Undoubtedly the largest and best scarlet Sweet Pea to date. Each stem carries from 3 to 4 enormous flowers. Wings carmine-scarlet, reverse side rosy carmine. The beautiful blossoms are carried on long, stiff stems. Pkt., 10c.; oz., 30c.

Spencer Sweet Peas

How to Grow Fine Sweet Peas—The general opinion is that Sweet Peas being common and hardy can be planted anywhere, which accounts for a lot of failures. There is no reason why everyone should not have fine flowers if they will observe a few simple rules. First of all, **plant early**, just as soon as the ground can be dug and is not sticky. **Dig deeply**. If you are growing sweet peas every year, try and prepare your ground in the Fall, and dig 18 inches deep, mixing manure thoroughly in the subsoil. The surface soil in which the seed is sown should not contain manure. If you start in the Fall you will find you can sow earlier in the Spring. If you can't secure manure, use bone meal or commercial fertilizers containing phosphate and potash. Cover the ground an eighth of an inch with these and then dig in and mix thoroughly with the soil. Sow the seed three inches deep if on sandy soil, or two if in clay. Sow thinly unless you have the courage to pull them out after they come up. You can't have fine flowers through the season when plants are very thick. Two or three inches apart, or better, four inches if you want big flowers. Cultivate as soon as they are up and keep cultivating. Stake them as soon as the rows show plainly. For the first month they scarcely make any growth above ground, but don't need water unless the season is very dry. Later on, when they are showing vigorous growth, a thorough watering twice a week will help wonderfully, if there is not sufficient rain. Don't plant them alongside a house, under trees or close to a board fence and expect much from them. They need an open space.

King White

2626—Undoubtedly the best white now in cultivation. 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" upon stout stems of great length. Pkt., 15c.; oz., 35c.

Illuminator

2627—It might be described as a rich glowing cerise-salmon, with an indication of bright orange suffusion. The flowers are most perfectly formed and well placed on long stems, frequently in "fours." Pkt 15c. oz., 30c.

2625 Margaret Atlee is a rosy salmon-pink on a creamy buff ground; a rich soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double. It runs almost uniformly four blossoms to the stem; well poised and graceful. Pkt., 15c.; oz., 30c.

2614 Royal Purple—The best purple Spencer Sweet Pea. As the name suggests the color is near "Royal" Purple. The color deepens and improves as the flowers age, which is a good point in a purple variety. A strong grower, and very floriferous. Pkt., 10c.; oz., 30c.

2619 Fiery Cross—A variety of recent introduction which is one of the most promising of the Spencer type. The standards are fiery red with wings of cherry red. Very large. Does not burn even in the hottest weather. Pkt., 15c.; oz., 30c.

2628 Wedgewood—Is 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., 15c.; oz., 30c.

2570 Countess Spencer—Of perfect form, remarkable size and exquisite color. The flowers are often 1½ to 2 inches in diameter, with both standard and wings charmingly waved and fluted. The coloring is an exquisite soft rose-pink, daintily tinted with silvery white. Pkt., 10c.; oz., 30c.

2580 Helen Lewis Spencer—This superb variety is a grand gigantic orchid-flowering seedling of Countess Spencer. The orange-rose wings roll and fold; the standard is reflexed and is of an intense rich-crimson-orange. Pkt., 10c.; oz., 30c.

2587 Elfrida Pearson—Flowers a dainty blush pink, showing a slight salmon tint in the bud and opening flower. The immense flowers are invariably borne four on a stem. Pkt., 10c.; oz., 30c.

2588 New Miriam Beaver—This new soft shell pink and salmon is one of the best yet introduced. The flowers are most perfectly formed and well placed on long stout stems—frequently in "fours." Pkt., 10c.; oz., 30c.



Spencer Seedlings Mixed

This Great Collection of Superb Spencer Sweet Peas—Seven Liberal Packets for 25 Cents, Postpaid.

- 2584 **Astha Ohn Spencer**—Finest lavender.
 2614 **Royal Purple**—The best purple Spencer.
 2623 **Othello Spencer**—Deep velvety maroon.
 2590 **White Spencer**—Largest White.
 2583 **King Edward Spencer**—Largest and best scarlet.
 2570 **Countess Spencer**—Soft rose-pink.
 2580 **Helen Lewis Spencer**—Rich crimson-orange.
 The above collection is fully described on Page 87.

"TRUE BLUE" FLOWER SEEDS give uniformly best satisfaction. We test hundreds of varieties every year in our trial grounds, and know you cannot buy better flower seeds, no matter where you buy or what you pay.

Spencer Sweet Peas (Continued)

Blanche Ferry Spencer

2591—The popular old "painted lady" pink and white Sweet Pea in magnificent new form. Pkt., 10c.; oz., 30c.

Mrs. Routzahn Spencer

2613—May be described as buff or apricot, suffused with delicate pink which deepens to a rose near edges of wings and standard. Usually four to a stem. Pkt., 10c.; oz., 30c.

Senator Spencer

2621—The combination of color in the flowers is charming—a deep claret or chocolate, striped and flaked on a ground of light heliotrope. Both standard and wings are extra large, wavy and drooping. Flowers are usually borne four to the stem. Pkt., 10c.; oz., 30c.

2615 **Dainty Spencer**—White, with exquisite rose-pink edges. Of uniformly large size and elegant shape. Pkt., 10c.; oz., 30c.

2622 **Anrora Spencer**—Very large and of true "Spencer Type." The ground color is creamy white, which is finely flaked and mottled with orange-salmon. Pkt., 10c.; oz., 30c.

2610 **Primrose Spencer**—Both standard and wings are of beautiful soft primrose or creamy yellow color. Flowers are very substantial and in a class of their own in both color and size. Pkt., 10c.; oz., 30c.

2585 **Constance Einton**—Probably the largest White Spencer yet introduced. The flowers have a slight tint of pink when young and are borne almost uniformly in four flowered sprays on long stout stems. Pkt., 10c.; oz., 30c.

2586 **Dobbie's Cream**—Flowers a deep cream or primrose. Distinctly Waved or crimped. One of the best of the primrose class. Pkt., 15c.; oz., 35c.

Spencer Seedlings Mixed

2630—All of the best named sorts, also many rare new hybrids in lavender, blue, striped, mottled, purple, maroon and many other shades are included in this superb mixture. All flowers are of extremely large size, typically frilled and waved, and very lovely. Pkt., 10c.; oz., 30c.

The Following Eight Best Grandiflora Varieties for Only 25 Cents, Postpaid.

The greatest bargain in "Grandiflora" Sweet Peas on record. Order today.

- 2467 **Dorothy Eckford**—An exceptionally fine white.
 2514 **Flora Norton**—A very beautiful rich lavender.
 2484 **Blanche Ferry**—The popular pink and white.
 2499 **King Edward VII.**—Bright crimson scarlet.
 2474 **Mrs. Collier**—A primrose Dorothy Eckford.
 2488 **Prima Donna**—Lovely soft pink, hooded form.
 2505 **America**—Blood-red striped, on white ground.
 2515 **Lady Grisel Hamilton**—Beautiful silvery lavender.
 Fully described on Page 89.

THE VARIETIES IN THESE COLLECTIONS

Have been selected from a wide range of colors and be believe you cannot find better collections anywhere. Give these a thorough trial.



All the Best Named Grandiflora Sweet Peas

The varieties listed below are the cream of all known sorts. Only those are included in our collection which produce flowers of the finest form and largest size. Every shade and color amongst Sweet Peas will be found. All inferior varieties have been discarded.

FREE—if requested with order, our pamphlet of cultural directions telling **How to Grow Perfect Sweet Peas**.

Dorothy Eckford

2467—A grand white. The stems are extra long and stiff and usually carry three flowers of grand size, substance and form. Pkt., 5c.; oz., 15c.

Mrs. Collier

2474—Flowers are extra large, coming in threes and fours on a long, stiff stem and of a rich primrose tint, entirely free from any trace of pink. **Bicher in coloring than any other primrose variety.** Can be described as a primrose Dorothy Eckford. Pkt., 5c.; oz., 15c.

Flora Norton

2514—A very beautiful rich lavender entirely free from any mauve or pinkish tinge. The flowers are large and of fine form; one of the most delicate and pleasing shades for florists' use as a cut flower. Pkt., 5c.; oz., 15c.

2515 Lady Grisel Hamilton—Beautiful silver lavender. Pkt., 5c.; oz., 15c.

2499 King Edward VII—The largest and best bright crimson-scarlet. Pkt., 5c.; oz., 15c.

2488 Prima Donna—Lovely soft pink, hooded form; vigorous grower. Pkt., 5c.; oz., 15c.

2505 America—Brightest blood-red striped white. Pkt., 5c.; oz., 15c.

2484 Blanche Ferry—The popular pink and white; always reliable. Pkt., 5c.; oz., 15c.

Our Sweet Pea Mixtures

Most people like as big a variety of Sweet Pea as they can get. To buy a dozen separate packets and six of them would be far more expensive than to buy an ounce of our Special Mixture, and even then the packets would not contain nearly the assortment of colors found in this mixture. We make up these mixtures ourselves, using the best and most popular sorts in pleasing proportion as to colors and shades.

Livingston's Special 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 American and Eckford 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 that our customers buy these seeds by weight and plant liberally.

2540 Special Mixture—Large Pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.

Mrs. A. K. Gossom, Gravin Co., Okla., writes as follows: "I have ordered my Sweet Pea Seed from you for ten years, and have never had a failure. My Peas are the talk of the neighborhood."

Livingston's Gilt Edge Mixture

This is a very superior mixture, made up of over 50 of the finest named varieties; all bright colors.

2542 Gilt Edge Mixture—Pkt., 5c.; oz., 15c.; ¼ lb., 45c.

Fine Mixed

This mixture, for the price, will be found very satisfactory. It contains a great variety of choice colors and shades.

2543 Fine Mixed—Pkt., 5c.; oz., 15c.; ¼ lb., 30c.

Sweet Pea "Nitroculture" adds to the size of the bloom and to the length of stem. In ordering be sure to mention Sweet Pea Nitroculture as there are other kinds. For full particulars, see Page 56.

Mr. Charles Adams, Fayette Co., Ind., writes: "The package of Lawn Seed and Flower Seed you mailed us arrived all O.K., and we feel that we now have seed that will make us successful."



Sweet Williams—Double and Single Mixed

Sweet William

(DIANTHUS BARBATUS)

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

Holborn Glory

2640—This strain is a large-flowered selection of the Auricular-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., 10c.

Sutton's Scarlet

2649—The color of this variety is an intense scarlet similar to a Grenadin Carnation. Pkt., 15c.

2643 **Double Mixed**—This mixture you will find of very superior quality; containing all colors and shades. Pkt., 5c.; ¼ oz., 25c.

2646 **Single Mixed**—A very choice assortment of all the best single-flowering varieties. Pkt., 5c.; ¼ oz., 15c.

2648 **Double and Single Mixed**—This mixture is made by blending the double and single-flowering varieties. Pkt., 5c.; ¼ oz., 15c.; oz., 60c.

Thunbergia

2654 **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., 5c.

Valeriana (Hardy Garden Heliotrope)

2658 **Mixed**—Showy plants; grow in any garden soil; do well in the shade. Hardy perennial; grows 2 feet high and blooms the first season from seed. Fine for bouquets. Bright rose, red and white varieties. Pkt., 5c.

Vinca (Periwinkle)

2680 **Mixed**—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. 1½ feet high. Pkt., 5c.

Viola (Tufted Pansies)

Sweet-scented, Violets are easily grown from seeds; 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., 10c.

2684 **The Czar**—Largest flowering deep blue. Pkt., 10c.

2686 **Finest Mixed**—Blue and white sorts. Pkt., 10c.

Chinese Woolflower

2696—A new flower belonging to the Celosia family and one which promises to become popular. The plants average about 18 inches to two feet in height and shoot many laterals, each of which form an oval-shaped flower-head. The flower is of a beautiful shade of crimson and resembles, somewhat, a ball of wool. It is a very free bloomer, continuing in flower until killed by heavy frost. Pkt., 15c.

Xeranthemum (Everlasting Flowers)

2697 **Mixed**—Very desirable. Easy to grow. Leaves covered with silvery down. Hardy annual. Two feet. A very fine mixture of colors. Pkt., 5c.

Wallflower

Well-known and deliciously fragrant half-hardy biennials; the large spikes of bloom are of most beautiful colors. Height, 1½ feet.

2690 **Large-Flowering Single Mixed**—Pkt., 5c.

2692 **Large-Flowering Double Mixed**—Pkt., 10c.

Livingston's Mammoth Verbenas

If it were possible, it would seem to us that Verbenas are becoming more popular every year. The plants thrive in any good garden soil, and if grown from seed are much more vigorous than if started from cuttings. Verbenas will flower perfectly from seeds. Height 1 to 1½ feet.

2662 **Mammoth Defiance**—Bright, rich scarlet; small leaves. Pkt., 10c.

2663 **Mammoth Blue Varieties**—Showy, distinctive; fine for edgings. Pkt., 10c.

2665 **Mammoth Pink Shades**—Many very brilliant shades of pink. Pkt., 10c.

2664 **Mammoth Striped Varieties**—Beautiful; a rich collection. Pkt., 10c.

2666 **Mammoth Pure White**—Large trusses of purest white flowers. Pkt., 10c.

2668 **Mammoth Purple**—Deep royal purple. Pkt., 10c.

Collection, one each of above 6 Mammoth Verbenas, 50c.

2670 **Livingston's Mammoth Mixed Verbenas**—Our strain of these elegant mammoth-flowering Verbenas will make beds and borders in the garden of the greatest brilliancy. These are our best Verbenas, and for enormous flowers of rich and superb colors are unsurpassed. (See illustration.) They bloom most profusely. Our mixture contains every desirable color and shade. Pkt., 10c.; ¼ oz., 30c.; ½ oz., 50c.; oz., \$1.50.

2672 **Fine Mixed**—A very satisfactory assortment containing many fine colors and shades. Pkt., 5c.; ¼ oz., 15c.; ½ oz., 25c.; oz., 90c.



Livingston's Mammoth Verbena. Pkt., 10c.

Livingston's Superior Zinnias

One of our most stately and showy border plants; a strong grower and therefore succeeds well, even if the ground is not very rich. Excellent for cut flowers and continuously in bloom. Height 1 to 3 feet.

Livingston's Mammoth Flowering Prize Zinnias

The splendid large-flowering Zinnias (see illustration above) represent the very highest perfection in this flower, and for perfect doubleness, mammoth size, as well as the wonderful variety of colors and shades, are unsurpassed by any strain in cultivation. We offer the following splendid separate colors and our elegant mixture.

- 2700 Mammoth Crimson. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.
- 2701 Mammoth Dark Purple. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.
- 2702 Mammoth Flesh-Pink. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.
- 2704 Mammoth Pure White. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.
- 2706 Mammoth Golden Yellow. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.
- 2707 Mammoth Scarlet. Pkt., 5c.; ¼ oz., 20c.; oz., 60c.

Zinnia collection—one packet each of the above six colors for 25c.

Striped, or Zebra

2721—A very pretty strain with striped flowers. Colors vary on each plant; presents a beautiful and curious appearance. Pkt., 5c.

Curled or Crested

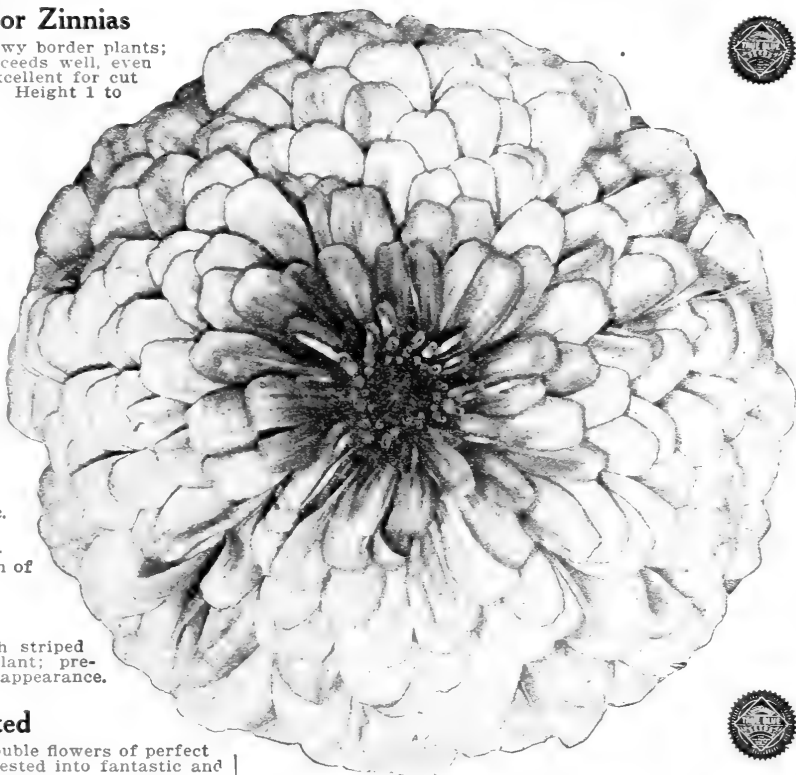
2723—A fine strain, with large double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt., 5c.; ¼ oz., 25c.

Tom Thumb, or Double Miniature

2725 Mixed Colors—Charming, perfectly double, small-flowering class; 10 inches high; bloom profusely. Fine for borders. Pkt., 5c.

Double Pompon

2727 All Colors Mixed—These Zinnias grow 2 feet high and are sturdy and bushy. They are also sometimes called "Lilliput" on account of their beautiful little flowers, which are very double and cone-shaped. Pkt., 5c.



Livingston's Mammoth Prize Zinnias

Livingston's Mammoth Flowering Prize Mixture

2710—Our mixture of mammoth large flowering Zinnias contains all the colors and shades known in this popular flower. We have improved this grand mixture from year to year until now we say, conclusively, it can not be surpassed. Pkt., 5c.; ¼ oz., 20c.; oz., 50c.

New Double Dahlia-Flowered Zinnia

2708—This splendid new Zinnia will greatly increase the popularity of this flower. The plants are of strong vigorous habit from 2½ to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2½ to 3 inches deep, similar in shape to the double decorative Dahlia. The range of colors include not only the usual shades, but is describable only with the aid of a color chart. As the result of careful selection the size, form and coloring have been greatly improved the past season. Pkt., 15c.

New Zinnia-Buttercup

2709—This new and pleasing color is a valuable addition to the mammoth or giant flowering Zinnias. Buttercup is identical with the other mammoth Zinnias, holding its color (a pleasing deep primrose) through the hottest weather and is produced on long stiff stems which make it valuable for cutting. Pkt., 10c.

Mrs. Henry V. Powers, Delaware Co., Ohio, writes: "Last year I bought my seeds from local seedsmen, and found the results far from satisfactory. When you only have a limited amount of ground, you want the best of everything, and that I have never failed to have from Livingston's seeds, in the last thirty-five years I have been planting them."

Mr. Vernon Shaw, Muskingum County, Ohio, writes on January 14th 1918, as follows: "Please send me your Seed Catalogue. I bought seed here last year and was pleased."



New Yellow Zinnia-Buttercup

Prices Subject to Change

Lawn, Orchard and Garden Tools

Prices Subject to Change



Excelsior Weeder—Very useful for weeding seed beds, stirring soil in hot-beds, cold frames, etc. 20c., postpaid.



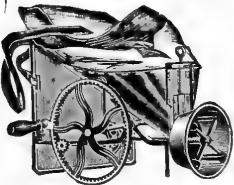
Lang's Weeder—Doz., \$2.00; each 25c., postpaid.

Hazeltine Hand Weeder

In general use. Blade solid steel, tempered, 7/8 inch wide and 1/8 inch thick, sharpened on all edges. Each 35c., postpaid.



Cahoon Hand Broadcast Seeder



For sowing any grain or grass seed. Sows at a common walking gait 4 to 8 acres per hour. A saving of labor and one-third of the seed is effected by this machine. Reliable in all respects. Price \$6.25, weight 9 lbs. Not prepaid.

Little Giant Seeder
Strongest, Lightest and Easiest Running

Best and cheapest crank Seeder made in the quality of work done and durability. Will not get out of order nor be effected by dampness of the



weather. Distributes all kinds of fertilizer, land plaster, ashes and seeds. We have sold it for years with good satisfaction. No. 3, \$2.00. Weight 6 lbs. Not prepaid.



Asparagus Knife—No tool equals it for removing dandelions, plantain, dock, etc., from lawns. Drop forged cutlery steel, 40c., postpaid.

Perfect Clinching Hose Mender



Easy to apply, no band required for 3/4 or 1/2-in. hose. We use the Clincher and consider it the best obtainable. Simply pound down the Clincher and you have a neat and permanent mend. 3 for 40c.; dozen \$1.50, postpaid.

Perfect Clinching Hose Couplers



\$3.50 postpaid.

Same principle as the mender. Made for 1/2 and 3/4 inch hose. Be sure to state size wanted. Each 35c doz.



Swivel Blade Pruning Saw

The blade can be set at any angle. Adkins best grade saws. No. 10, as illustrated, \$2.50, postpaid; No. 11, with triangular frame, \$2.00, postpaid.

Swivel Pruning Saw Blades

For use in No. 10 and 11 saws. Prices postpaid.

- Blade for 16-in. saw, each 30c.; doz., \$3.00.
- Blade for 18-in. saw, each 35c.; doz., \$3.50.
- Blade for 20-in. saw, each 40c.; doz., \$4.00.



Pruning Saw—Double Edge

One coarse and one fine, 20-inch blade. \$1.25, postpaid.



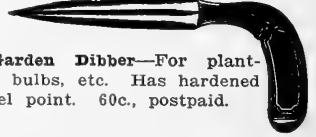
Wiss guaranteed, 9-inch, \$3.75, 10-inch, \$4.50, postpaid. Extra blades \$1.00 each.

Fexto, high grade, medium price shear (guaranteed), \$2.25, postpaid.

Van Reyper's Glazing Papers



Prevents glass from sliding. Made of galvanized steel wire. No. 2 for single-strength glass; No. 2 1/2 for double-strength. Per pound, 65c., postpaid.



Garden Dibber—For planting bulbs, etc. Has hardened steel point. 60c., postpaid.

Garden Trowels

- Ordinary, 5-in., 15c.; 6-in., 20c., postpaid.
- Pressed Steel, 6-in., 45c., postpaid.
- Forged Steel 5-in., 60c.; 1-in., 75c., postpaid. Be sure to state size wanted.



"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 hot-beds under sash. The secret of catching moles in a good trap and a knowledge of their habits. Full directions are sent with each trap. 1.50, postpaid.

RITTENHOUSE SELF SETTING MOLE TRAP

Simple, sure and safe. The spears are made of spring steel, balance of trap is of steel and heavily tinned, making it very attractive and durable. Directions for setting come with the trap. \$1.25, postpaid.



HEDGE SHEARS

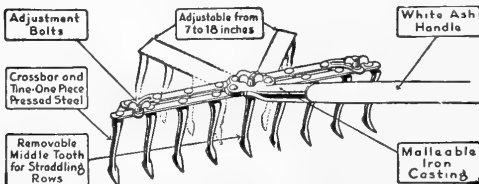
Best steel and just the thing for trimming Privet Hedge, 6-in., \$1.25, (Wt. 4 lbs.); 9 in., \$2.00, (Wt. 5 lbs.) not prepaid.

Clipper Grain and Seed Cleaner

No. 1, for general use, has 12 sieves (10 zinc), cleans grain and seeds of all kinds. Each \$37.00, not prepaid.

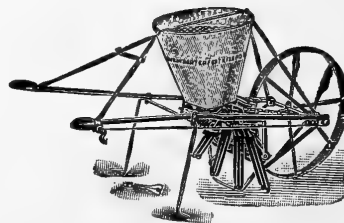
Send for Special Catalog of Clipper Mills.

PULL-EASY CULTIVATOR



Everyone who has a garden will see at a glance the advantages of the "Pull-Easy" over any other kind of garden tool. The shape of the teeth stir it up and pulverize it thoroughly without the operator being obliged to exert any downward pressure on the handle. Can also be used as a rake in preparing the soil, as illustrated, \$2.00; 4-tooth, adjustable 2 to 7 inches, 60c., not prepaid.

McWHORTER FERTILIZER DISTRIBUTOR



For distributing all commercial fertilizer. It distributes the fertilizer in a furrow, beside the growing crop, as a top-dresser or as a broadcaster to any extent up to a uniform spread of over two feet, and in any quantity from a few pounds to 40 or more pounds to the 100 yards of row. Especially adapted to applying fertilizer to strawberries or other similar planted crops. \$25.00, not prepaid.

Lawn, Orchard and Garden Tools Prices Subject to Change

PAINTED POT LABELS

Sizes	Per 1000	Weight	Sizes	Per 1000	Weight
4 x 5/8	\$1.55	4 lbs.	6 x 5/8	\$2.50	6 lbs.
4 1/2 x 5/8	1.85	5 lbs.	10 x 5/8	6.00	11 lbs.
5 x 5/8	2.05	5 lbs.	12 x 5/8	7.30	15 lbs.

COPPER WIRED TREE LABELS

Size	Per 1000	Weight	Size	Per 1000	Weight
3 1/2 x 5/8	\$2.45	\$1.50	50c.	Weight 4 lbs.	per 1000.

PAINTED GARDEN STAKES

Sizes	Per 1000	Weight	Sizes	Per 1000	Weight
8 x 1 1/8	\$7.40	14 lbs.	10 x 1 1/8	\$9.60	18 lbs.
12 x 1 1/8		Per 100, \$1.25, not prepaid			3 lbs.

RED CROSS RAT AND MOUSE EMBALMER



Clears them out in one night. No odor—it dries them up. Has peculiar properties attractive to rats and when used according to directions will rid the worst infested premises in one night. It contains no phosphorus, which is condemned by government experts on account of fire danger. Successfully used by the largest flour mills, warehouses and industrial establishments in the country. Order Red Cross Rat Embalmer to rid your premises of rats and mice. We do not hesitate to recommend this rat poison as we have used it to rid our own buildings of rats and mice which it done most satisfactorily. 1 lb. (enough for 1500 sq. ft. floor space), \$3.00; 1/4 lb., \$1.00; 2 oz., 50c., by express not prepaid. **Cannot be mailed.**

Prices subject to change

WATERS PATTERN TREE PRUNER



Will cut green limbs up to one inch in diameter. Cutting head, handle and handle shank securely attached so will not work loose. Best steel blade and spring. 8 ft., \$1.75; 10 ft., \$2.00; 12 ft., \$2.25 not prepaid.

HOT-BED SASH

Best Cypress—3 1/2 x 6 ft., unglazed for 4 rows 8x10 glass. Each, \$2.25. Not prepaid.

Our sales on hot-bed sashes are increasing each season, so satisfactory do our customers find them.

CANE STAKES

Good, strong, natural canes. From Southern cane brakes, running 6 feet in length. \$1.40 per 50, \$2.40 per 100, \$5.75 per bundle of 250; \$20.00 per 1,000, not prepaid.

Raffia

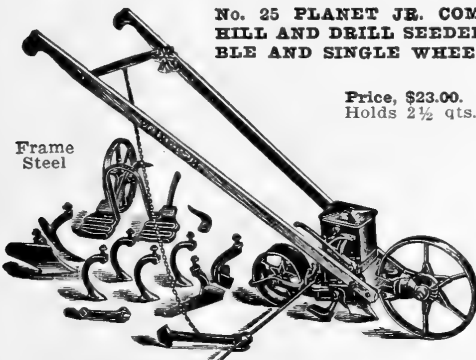
We handle only the best grade of Raffia. Inferior twisted stock is very annoying and much more expensive in the end. Lb., 30c.; 10 lbs. at 25c. per lb.; 25 lbs. at 23c. per lb.; 100 lbs. at 20c. per lb.

PRICES SUBJECT TO CHANGE Planet Jr. Farm and Garden Tools PRICES, NOT PREPAID

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE.

Price, \$23.00.
Holds 2 1/2 qts.

Frame Steel



This combination is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately; and for the family garden where a double wheel hoe is preferred. We have the Planet Jr. you need.

No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND FLOW

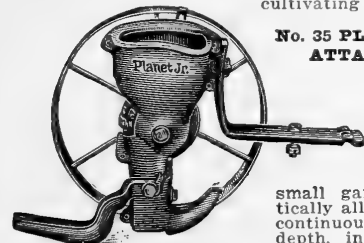
Price, Complete, \$19.50.

Sows all garden seeds (in hills or drills), plows, opens furrows and covers them, hoes and cultivates all through the season. A hand machine that does the work so easily, quickly and thoroughly that it pays for itself in a single season.

No. 4D, Hill and Drill Seeder, same as above less the cultivating attachment, \$15.50.

No. 35 PLANET JR. SEEDER ATTACHMENT, \$6.25

This seeder can be attached to any Planet Jr. Single or Double Wheel Hoe and will be found particularly suitable for the small garden. Plants practically all seeds in a straight, continuous row, at a uniform depth, in a fraction of the time required by hand and

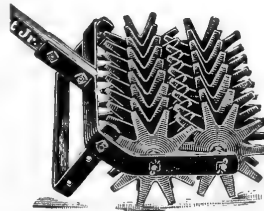


infinitely better. Everyone using a wheel hoe should have this attachment.

72-Page Planet Jr. Catalog Free

Describes 55 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators.

PLANET JR. STAR PULVERIZER, LEVELER AND WEEDER



Planet Jr. line. \$6.50, not prepaid.

Greatest tool ever devised for preparing the seed bed. It smoothes and refines the soil, putting it in the best possible condition for seeding. More thorough and rapid than the ordinary garden rake. Works equally well forward or backward. Width 13 1/2 inches. As a cultivator it is great for destroying weeds, breaking the crust and leaving a fine mulch. More than one customer has reported "would not do without it for any price." One of the latest developments of the

No. 17 PLANET JR. SINGLE WHEEL HOE

The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Hoes, plows and cultivates all through the season. A hand machine that will pay for itself in time and labor saved in a single season.

No. 17 Price \$8.75



No. 11 PLANET JR. COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

Price, \$16.00

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel wheels. The greatest hand cultivating tool in the world.

No. 12 PLANET JR. DOUBLE AND SINGLE WHEEL HOE

Price, \$12.50

This tool is identical with No. 11 Double Wheel Hoe, except the equipment; has hoes that are wonderful weed killers. The Plows open furrows, cover them and hill growing crops. The Cultivator Teeth work deep or shallow. The Leaf Lifters save much time.

No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

Price, Complete, \$19.50

Stronger, better made and finished than any other one-horse cultivator, and enables you to increase your yield because it does a greater variety of work in corn, cotton, potatoes, tobacco, and other crops requiring similar cultivation, and does it more thoroughly.

Prices Subject to Change

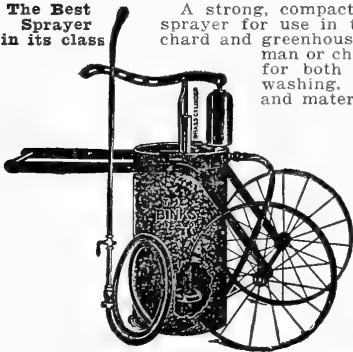
Reliable Well Built Sprayers

Prices Subject to Change

BINK'S SPRAYER No. 21

The Best Sprayer in its class

A strong, compact, well built, portable sprayer for use in the garden, lawn, orchard and greenhouse. Easily operated by man or child. Very satisfactory for both spraying and white-washing. It saves time, labor and material.



Large steel wheels makes easy moving over rough or soft ground. Working parts bronze and brass — holds 12 gallons. Complete as illustrated with 10 feet high pressure hose spray pipe, stop cock, mechanical agitator and nozzle, not prepaid, \$20.00.

Improved Auto-Spray No. 1

One of the oldest and most reliable compressed air sprayers on the market. It is only necessary to fill the tank about three-fourths full of liquid pump up the air pressure (about eight to twelve strokes) and go ahead. 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. Highly recommended for spraying potatoes, vegetables and shrubbery.

Holds 3 gals. the new anti-clogging device prevents clogging—has a powerful all brass air pump with patented cam device to prevent leakage of air. 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.

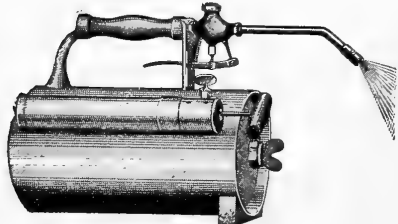
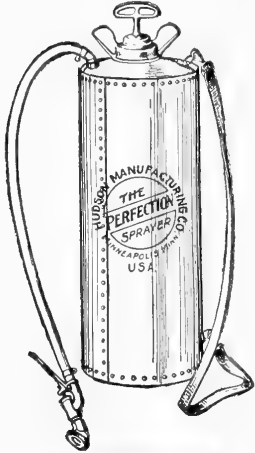


THE "PERFECTION" SPRAYER

Built like a Steam Boiler. The barrel is 7½ inches in diameter, 20 inches high. The pump is 1¾-inch seamless brass tubing. The valves are M.T.A.L. The top is fastened like the best makes of fire extinguishers. The hose is 5-ply. The nozzle is of the Automatic type. Capacity of Sprayer, 3¾ gallons. Weight, 9½ lbs. All Sprayers tested to 60 lbs. before leaving factory. This sprayer handles whitewash, water, paints, Bordeaux mixtures, etc., perfectly. For whitewash and all heavy mixtures it is only necessary to invert the disc in the nozzle cap. Shipping weight, 10 lbs. Postage extra. Brass Tank, \$9.50. Galvanized Tank, \$6.50. Not prepaid.

BABY FOUNTAIN COMPRESSED AIR SPRAYER

Simple, strong and substantial construction. It is both automatic and positive in its action. Two or three pumpings will discharge contents of tank at strong and constant pressure. No. 120 Galvanized Steel, Aluminized. Each \$4.75. Brass \$6.50, not prepaid. Shipping wt. 6 lbs.



A New, Simple Powder Gun

No. 181



Easy to operate. Fill reservoir with dry powder, such as Paris Green, Hellebore, powdered Arsenate of Lead, etc. Size of spray regulated by operation of plunger. Elbow reversible enabling operator to spray up or down. Pump cylinder 1¾ inches diameter, 14 inches long. Length over all 21½ inches. Reservoir one pint. Mason Fruit Jar. Each \$1.25, postpaid.

FEENEY DUST GUN, MODEL B

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 flood of large size and force by the stroke you give it. This gun is ideal for applying all powder insecticides and fungicides on gardens, flowers, fruit, etc., also for applying all kinds of powdered fly, rat and roach exterminators. Each \$1.25, postpaid.

GLASS JAR SPRAYERS

Works easier, stays in order better and lasts longer than any sprayer of its class. Length, 22 inches. With quart Mason jar.

No. 101B Tin Tube, Zinc Jar Top, each 85 cents, postpaid. No. 101 Tin Tube, Zinc Jar Top Filler Cap, each \$1.25, postpaid. No. 102 Tin Tube, Brass Jar Top Filler Cap, each \$1.50, postpaid.



ECLIPSE BARREL PUMPS

If interested in a pump of this size we will be pleased to send detailed description. Made in three sizes.

THE LIBERTY BUCKET SPRAYER

This is a high grade bucket pump in every respect. All brass except hand grip and foot rest, which are malleable iron. Has Bronze Ball Valves, and every part of it can be disassembled with your fingers. The Liberty has double cup leather, which insures absolute continuous stream, with very high pressure, both strokes up or down being exactly the same. Nozzles for mist spray, flat spray and solid stream furnished with each pump. Weight 6 lbs. Price complete, \$3.75 each. Not prepaid.



MEYERS LITTLE GIANT BUCKET PUMP

This pump has a place between the hand atomizer and barrel pump. Being made of brass with brass ball valves, will not rust or corrode. Has malleable iron foot rest, jet agitator, improved brass air chamber and two nozzles for coarse and fine spraying. Ea. \$4.25. 4-foot extension rod, 50c, not prepaid. Weight 7 pounds.

IMPROVED VERMOREL NOZZLE No. 136



A good general purpose nozzle and best for whitewashing. Pushing the plunger cleans any obstruction out of discharge opening. Made of brass. Furnished with 5 diaphragms for coarse or fine work. 85c., postpaid.

NON-CLOG JR. NOZZLE



This is the popular disc type. A removable screen prevents clogging. No horns or hooks—nothing to catch or clog. The most up-to-date and satisfactory nozzle on the market. As illustrated or straight, 85c., postpaid.

ELEPHANT SPRAY HOSE

Ordinary garden hose is not suitable for sprayers. A spray hose must be strong to withstand pressure and made of material to withstand the action of chemicals used in the spraying solutions. We can recommend the Elephant Brand very highly. ¾ inch, 5-ply, per foot 20c., not prepaid. Shipping weight about 4 ozs. per foot.

BRASS EXTENSION RODS

Two foot brass rods with ¼ inch pipe connections, especially made for Auto-Spray No. 1 and Perfection Sprayers. Each, 50c., not postpaid.

Reliable Spraying Solutions

All prices on this page are subject to change. Items marked (*) CANNOT be mailed.

*ARSENATE OF LEAD (Paste)

Used largely with Bordeaux Mixture for spraying potatoes and fruit trees. Sticks longer and no danger of burning the foliage as with paris green. Lb., 40c., not prepaid.

*ARSENATE OF LEAD (Powdered)

Mixes with water almost instantly—one pound goes as far as two to three of paste—remains in suspension much longer. We have given a five-year test to the brand we carry and consider it unequalled. ½ lb., 35c.; lb., 65c.; 5 lbs., \$3.00; 10 lbs., \$5.00; 25 lbs., \$12.00; 50 lbs., \$22.00; 100 lbs., \$41.00, not prepaid.

*CALCIUM ARSENATE (Powdered)

Safer and better to use than Paris Green. Has higher poison contents than Arsenate of Lead. Used for spraying potatoes, cotton, tobacco and shade trees against chewing and leaf eating insects. Kills quick, does not burn foliage and sticks to leaves. Mixes easily with water and can be used either wet or dry. Can be combined with Lime Sulphur or Bordeaux Mixture. One pound makes about 40 to 50 gallons. Contains 38-40% Arsenic Oxide and less than 1% soluble in water. ½ lb., 30c.; 1 lb., 55c.; 5 lbs., \$2.50; 10 lbs., \$4.50.

GYPSUM OR LAND PLASTER

An ideal fertilizer for leguminous and other crops of high sulphur requirements, also a preserver of nitrogen in manure. 20 parts of Gypsum mixed with one part Calcium Arsenate gives excellent results in protecting melon and cucumber plants from the striped beetle. 10 lbs., 75c.; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.00; 500 lbs., \$12.50; 1000 lbs., \$22.50. Ton \$42.00.

*BORDO LEAD (Key Brand)

Kills leaf-chewing insects, and at the same time protects the crop against fungus disease such as apple scab and potato blight. We advise our customers to use Bordo-Lead on their fruit trees, potato and tomato vines, cucumbers, melons, etc. It sticks and protects the foliage. All ready to use by adding cold water. Bordo-Lead will not only increase the crop, but will improve the quality. This combined spray saves mixing and if used before bugs or blight appear, it gives best results possible. 1 pound makes 5 gallons spraying solution. 1 lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.00, not prepaid.

*BORDEAUX MIXTURE POWDERED

For blight, mildew, rust, etc. It has all the advantages of paste with double the strength. Goes twice as far. Used for dry dusting or wet spraying. Dilute 1 pound to about 3½ gallons of water for 3-3-50 formula. Contains over 12% Metallic Copper. ½ lb., 30c.; lb., 55c.; 5 lbs., \$2.50; 10 lbs., \$4.00, not prepaid.

HAMMOND'S SLUG SHOT

Non-poisonous; no danger to the person using it. It is the best insect destroyer ever offered for potato bugs, cabbage worms and all insects that chew. We sell tons of it every year. It is simply dusted lightly on. 1 lb., 15c.; 5 lbs., 60c.; 10 lbs., \$1.00; 25 lbs., \$2.10, not prepaid.

*PARIS GREEN

¼ lb., 20c.; ½ lb., 35c.; lb., 65c.; 2 lbs., \$1.25, not prepaid.

*PYROX (Bowkers)

The one best spray for apples, potatoes and general purposes against leaf-eating insects and fungous diseases. This combined insecticide and fungicide is better than Paris Green, Arsenate of Lead or Bordeaux Mixture and cheaper to use. It sticks to foliage like paint in spite of heavy rains. Mix with cold water and it is ready to use. 1 lb., 40c.; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.75; 50 lbs., \$10.00; 100 lbs., \$18.00; 300 lbs., \$51.00, not prepaid.

LIME AND SULPHUR POWDERED

Mixes with water—becomes a liquid testing the same as standard liquid solutions. It is claimed that the brand we carry is the only powdered form that is exactly the same as standard liquid solutions and can with safety to the tree be used in combination with an arsenate as a summer spray without the disadvantage of bulk, weight, leakage, etc. 1 lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$5.50; 50 lbs., \$9.50; 100 lbs., \$17.00; 200 lbs., \$33.00, not prepaid.

*BLACK LEAF 40 (40% Nicotine Sulphate)

Highly recommended by the Experiment Stations as a spray for Black Aphid and sucking insects of this class. You cannot go wrong in ordering "Black Leaf 40" for sucking insects. 1 oz. makes 6 gallons of spray on outdoor vegetation. As a dip to destroy scab, ticks, lice and insect pests on sheep, cattle and hogs, dilute 1 pound in 83 gallons of water. 1 oz., 35c.; ½ lb., \$1.25; 2 lbs., \$3.75; 10 lbs., \$15.50, not prepaid.

*"NICO-FUME" LIQUID (40% "Free Nicotine")

The best spray for greenhouses. The fumes help to kill the insects. ¼ lb. tin, 75c.; 1 lb., \$2.35; 4 lbs., \$8.50; 8 lbs., \$16.50.

"NICO-FUME" TOBACCO PAPER

To use, "hang sheet from hole punched in one end, blow out flame and let sheet burn." Eight or ten sheets for the ordinary greenhouse (100 ft. long by 20 feet wide) will usually furnish a strong fumigation against green fly, etc. 24-sheet can, \$1.35; 144 sheets, \$6.00; 288 sheets, \$11.00; all postpaid.

TOBACCO DUST

10 lbs., 65c.; 50 lbs., \$3.00; 100 lbs., \$5.75. Not prepaid.

TOBACCO STEMS

50 lbs., 90c.; 100 lbs., \$1.65; 500 lbs., \$7.50, not prepaid.

*SCALECIDE

San Jose Scale and Canker Remedy. Dilute 1 gallon Scalecide in 15 gallons water. Use in the Fall after leaves are off of trees, and early in the Spring before the buds start. Qt., 60c.; gal., \$1.45; 5 gals., \$6.45; 10 gals., \$11.00; 30 gals., \$27.00; 50 gals., \$39.50, not prepaid.

*TARGET SCALE DESTROYER (Soluble Oil)

Dormant Spray for San Jose and Oyster Shell scale. Highly effective for Leaf Roller, tree infesting scale and most soft bodied sucking insects. No disagreeable odor, no clogging of nozzle or burning of eyes like Lime Sulphur. May be used in spring or fall. Mixes easily without sediment. Spreads and creeps into crevices of rough bark. Dilute 1 gallon to 20 gallons of water and it's ready to apply. 1 qt., 60c.; 1 gal., \$1.45; 5 gals., \$6.45; 30 gals., \$26.00; 50 gals., \$38.00, not prepaid.

SOAP (Fish or Whale Oil)

Especially beneficial when used in combination with Black Leaf 40 in combatting hard-to-conquer sucking insects. ¼ lb., 15c.; 1 lb., 35c.; 2 lbs., 60c.; 5 lbs., \$1.25; 10 lbs., \$2.00, not prepaid.

*HELLEBORE

For the destruction of slugs, worms, caterpillars, etc. Loses its strength when exposed to the air a few days, making it safe to use when the vegetables or fruit are about ripe. ½ lb., 35c.; 1 lb., 65c., not prepaid.

*WEED KILLER (Target Brand)

Keeps paths and roads free from weeds and grass. One gallon makes 50 gallons ready for use—enough for 150 yards of surface; applied with watering can. By express or freight. 1 qt., 65c.; 1 gal., \$1.65, not prepaid. Larger lots, special prices.

GRAFTING WAX

¼ lb., 15c.; ½ lb., 25c.; 1 lb., 40c., not prepaid.

Fertilizer, Plant Food, Etc.

Analysis of any of the Fertilizers Furnished upon Request

Special Prices by the Ton or Car Load. All Prices

Armour's Bone Meal—5 lbs., 30c.; 10 lbs., 45c.; 25 lbs., 90c.; 50 lbs., \$1.75; 100 lbs., \$3.35; 1 bag (125 lbs.), \$4.00; 500 lbs., \$15.00; 1000 lbs., \$28.00; ton \$52.00

Armour's 2-10-4—5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.70; 100 lbs., \$3.20; 1 bag (125 lbs.), \$3.75; 500 lbs., \$14.00; 1000 lbs., \$26.00; ton, \$49.00.

Armour's 2-12-2—5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.70; 100 lbs., \$3.20; 1 bag (125 lbs.), \$3.75; 500 lbs., \$14.00; 1000 lbs., \$26.00; ton, \$48.00.

Armour's 16% Acid Phosphate—5 lbs., 25c.; 10 lbs., 35c.; 25 lbs., 75c.; 50 lbs., \$1.30; 100 lbs., \$2.50; 1 bag (125 lbs.), \$3.00; 500 lbs., \$11.50; 1000 lbs., \$20.00; ton, \$36.50.

Sheep Manure (pulverized)—5 lbs., 40c.; 10 lbs., 65c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$12.50; 1000 lbs., \$23.00; ton, \$43.00.

Nitrate of Soda—5 lbs., 40c.; 10 lbs., 75c.; 25 lbs., \$1.45; 50 lbs., \$2.75; 100 lbs., \$5.00; 500 lbs., \$23.00; 1000 lbs., \$42.00; ton \$80.00.

F. O. B. Columbus, and Subject to Market Changes.

"RED SNAPPER" PLANT FOOD

Especially prepared for house plants, ferns, palms, etc. Supplies just what the plant needs and will promote the growth of rich colored healthy foliage and an abundance of well marked beautiful flowers. Fed to outdoor plants it is just as valuable. When we explain that it is made of fish, tobacco and bone flour, the right quantity of each properly compounded, you can understand why its great value as a plant food. It is so made as to be clean and sanitary for use in the finest homes. Full directions with each package. With every 50c. package of "Red Snapper" Plant Food we furnish free an 8-ounce package of Plant Tonic. Trial size, 25c.; 24 ozs., 50c.; 4 lbs., \$1.00, not prepaid. A valuable booklet, "Care of Plants," is enclosed in each 50c and \$1.00 package of Plant Food.

To build up the fertility of your soil, use the inoculators as directed on page 56 for the best results.

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Our Bargain Collections of Flower Seed

50c LIVINGSTON'S RAINBOW COLLECTION OF CHOICE ANNUAL FLOWERS 50c

Asters Mixed	Petunia, Mixed
Bachelor's Buttons Mixed	Phlox Mixed
Candytuft Mixed	Poppies Mixed
Cosmos Mixed	Portulaca Mixed
Dianthus Mixed	Scabiosa Mixed
Marigold Mixed	Alyssum Sweet
Mignonette Sweet	Antirrhinum Mixed
Nasturtium, Mixed	Sweet Peas, Mixed
Pansy, Mixed	Zinnia, Mixed

If purchased separately this collection would cost \$1.00.

25c GREAT COLLECTION OF SUPERB SPENCER SWEET PEAS 25c

Asha Ohn	White
Royal Purple	King Edward
Othello	Countess
Helen Lewis	

If purchased separately this collection would cost 70c.

25c BRIGHT ARRAY COLLECTION 25c

Sweet Alyssum	Pansy Mixed
Aster Mixed	Phlox Mixed
Candytuft Mixed	Sweet Peas, Mixed
Nasturtium Mixed	Zinnia Mixed

If purchased separately this collection would cost 50c.

50c LIVINGSTON'S EXHIBITION ASTER COLLECTION 50c

Samples Mixed	Peony Flowered Mixed
Ostrich Plume Mixed	Livingston's Superb Mixed
Comet Mixed	Vick's Branching Mixed
Sensation	

If purchased separately this collection would cost 70c.

50c LIVINGSTON'S COLLECTION PERENNIAL FLOWER SEEDS 50c

Aquilegia, Coerulea	Digitalis Monstrosa
Campanula Prize Mixed	Hardy Garden Pinks
Coreopsis Lanceolata	Poppy, Large Oriental
Shasta Daisy	Sweet William, Mixed

If purchased separately this collection would cost 75c.

Wild Flower Garden, or Children's Garden

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. Sow in drills 2 feet apart, or even broadcast. Cover lightly and keep the soil from drying out until started. **2740 Our Extra Choice Mixture**—Large Pkt., 10c.; ½ oz., 15c.; oz., 25c. Ask for Special Price by the Pound.

Have You a Hardy Garden?

So much interest is being displayed in perennial flowers at the present time that a few words here regarding them may not be amiss. Our list contains many of the most popular sorts. Perennials are not difficult to grow, but are slower in starting than annuals, so that care should be taken that the soil does not dry out. The ideal place to start them is in a cold frame, where the soil can be kept moist, and where they can be protected from heavy rains. If the seed is sown early some varieties will bloom the first year, but it is not until the second year that you get the best results, but for several years they will increase in beauty and value, affording color in the garden and cut flowers before the annuals come into bloom. Perennials are so much cheaper to grow from seed than to buy the plants. See our 50c collection of Perennial Flower Seeds above.



NASTURTIUMS
LIVINGSTON'S
TOP NOTCH
MIXTURE
PKT. 10c

ZINNIA-DAHLIA FLOWERED MIXED PKT. 15c

THE LIVINGSTON SEED CO., COLUMBUS, OHIO