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JOHNSON & STOKES



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Garden and Farm Manual

1904

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THE
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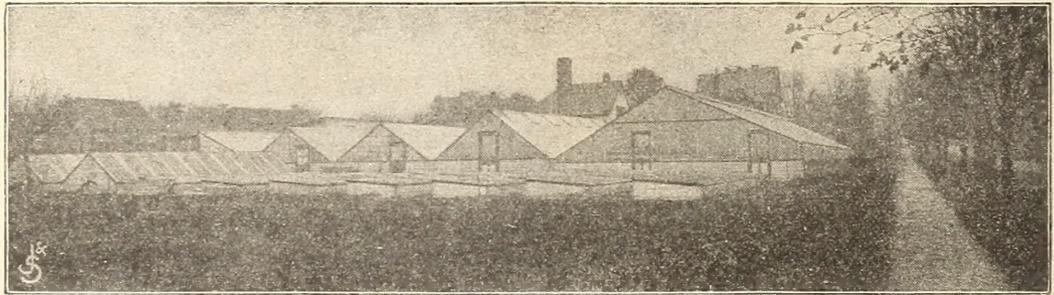
TESTED
 AND
 PROVEN AT



FLORACROFT
 TRIAL
 GROUNDS

A MODEST CATALOGUE WITH HONEST DESCRIPTIONS AND ILLUSTRATIONS

We were the first seedsmen in this country to trust entirely to photographic reproduction in illustrating our catalogues. This has given our MANUAL a deserved reputation for truthfulness and accuracy. It is for this reason that some things that are much lauded in other catalogues are omitted. Some do not appear as large or extravagant as shown in the overdrawn cuts of other lists. Our pictures have won for us the attention of thousands of seed buyers, and we have held their confidence by meeting the promises of our catalogue, both as to illustrations and descriptions of the various vegetables and flowers which are made during the growing season at FLORACROFT or on our various SEED FARMS where the crops are grown. It is for this reason that our MANUAL is so frequently used by other seedsmen as a reference-book and is frequently found at the agricultural colleges, being used as an auxiliary text-book.



A partial view at FLORACROFT SEED GARDENS and TRIAL GROUNDS, showing our seed-testing houses, where all seeds are proven and tested for vitality before being sold. The two large houses on the right were erected the past season.

FLORACROFT SEED GARDENS AND TRIAL GROUNDS

Insure to Our Customers Tested Seeds of Known Vitality and Purity

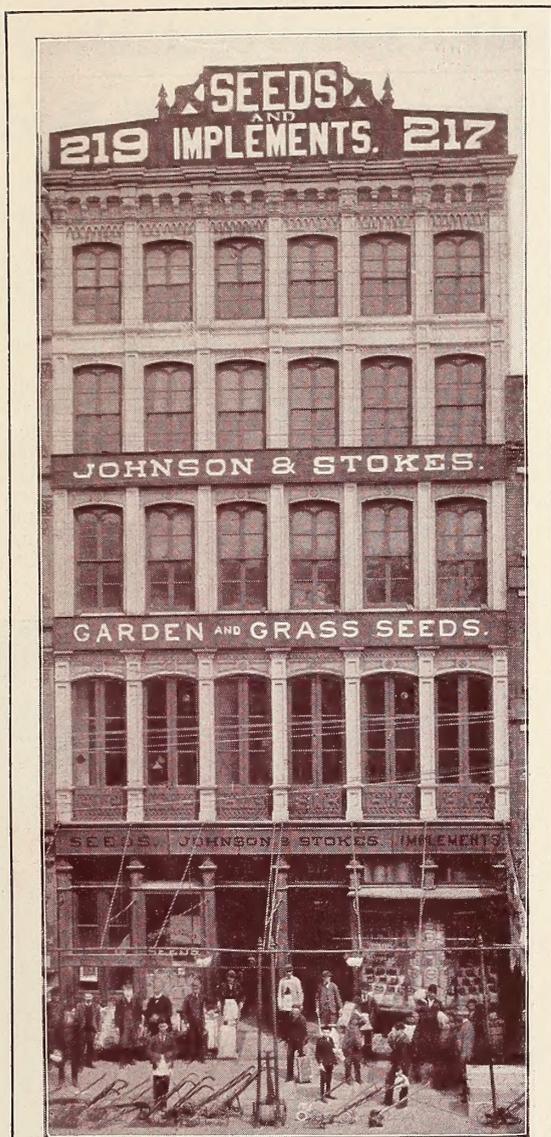
For more than 20 years we have made a study of the wants of the critical gardener and do everything possible to safeguard his interests, and for this reason conduct every year, at great expense, extensive trials at our FLORACROFT SEED GARDENS AND TRIAL GROUNDS, located about nine miles from our city warehouses. The cash expended at FLORACROFT buys knowledge, and the benefit goes to our customers.

Besides making extensive open field trials at FLORACROFT, we also develop there a considerable amount of high-grade pedigree stock seed. Although these grounds are under the direct personal supervision of one of our firm, we have there also experienced and intelligent men who understand the improvement and development of ideal types and high standards. From FLORACROFT we send improved seed stocks to our various farms in other States, wherever the conditions of soil and climate are best adapted to their perfect development, for multiplication as to bulk and quantity.

We ask a careful reading of the following pages and solicit the orders of all

JOHNSON & STOKES, 217 and 219 Market Street, Philadelphia, Pa. ❖ ❖ ❖

How to Order Johnson & Stokes' Seeds



OUR DOUBLE SEED WAREHOUSES

Located on the principal business street of Philadelphia, Nos. 217 and 219 Market St., extending through the block to Nos. 206 and 208 Church St., are the largest in the East, and afford us every facility for the conduct of a large business, being especially arranged to accommodate the various departments of the Seed business.

Visitors to Philadelphia are always welcome at our business offices as well as at Floracroft.

When possible, use order sheet opposite page 12, which can be easily detached from book at perforated line.

Cash should always accompany the order. We will be responsible for money sent by Post-Office Order, Express Money Order, Bank Draft, Express or by Registered Letter.

Post-Office Orders cost, for any amount up to \$2.50, 3 cents; over \$2.50 and not exceeding \$5, 5 cents; over \$5 to \$10, 8 cents; over \$10 to \$20, 10 cents; over \$20 to \$30, 12 cents; over \$30 to \$40, 15 cents; over \$40 to \$50, 18 cents; over \$50 to \$60, 20 cents.

Express Money Orders are issued by express companies at their agencies, and cost, for amounts not over \$5, 5 cents; \$10, 8 cents; \$20, 10 cents; \$30, 12 cents; \$40, 15 cents.

Bills, Coin or Stamps (we accept postage stamps the same as cash) can be sent safely by registered letter. Every postmaster is required to register any letter on payment of 8 cents extra postage.

Cost of remitting may, on all orders over \$1.00, be deducted from the amount sent.

SEEDS BY MAIL

In ordering Vegetable and Grass Seeds to be sent by mail, 10 cents per pound, 15 cents per quart, or at this rate for the fraction, should be added to cover postage, except where otherwise specified. We will, however, send packets and ounces at catalogue rates free of postage.

Johnson & Stokes'

Garden and Flower Seeds

are grown exclusively for the most critical market garden and private trade, and are known in every large market of the United States as producers of vegetables and flowers which are the accepted standards of excellence.

WE HAVE NO BRANCH STORES

Look for Our Name and Number Before Entering

JOHNSON & STOKES

217 and 219 MARKET STREET, Between Second and Third Streets

For a Complete Index of this Catalogue See Page 124

COPYRIGHT, 1904, BY JOHNSON & STOKES

JOHNSON & STOKES' Novelties and Specialties in Vegetables



New Asparagus Early French Giant

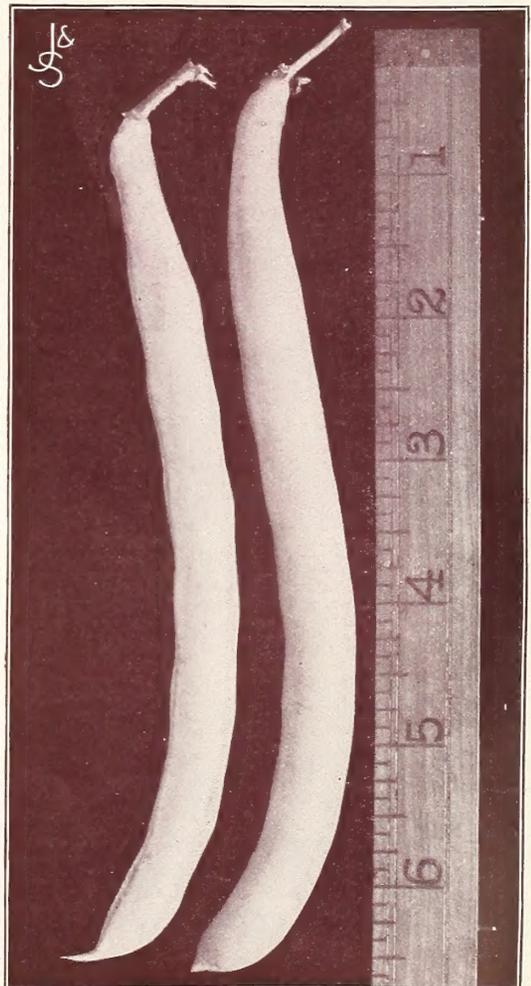
THE EARLIEST—LARGE AND PROLIFIC

This new sort, the seed and roots of which we offered for sale for the first time last Spring, is a great improvement on the popular Palmetto or French Argenteuil asparagus, which was first brought to this country by Mr. John Nix, the largest asparagus grower of South Carolina. The roots were imported from Mr. Louis Lérault de Argenteuil, of France, and have proven this new asparagus to be not only 10 days earlier than Palmetto, but of larger size and superior in flavor and color. In New York market, the past two seasons, it sold for \$5.00 per dozen, while other varieties only brought \$1.50 to \$2.00 per dozen. It is by far the most promising asparagus, as a money maker, that can be grown. Our seed and roots are from the original importation that has attracted so much attention and sold so high in New York. Prices of seed: Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25. Good, strong 1 year old roots, 50 for 75c.; 100 for \$1.25, by mail, postage paid; by express or freight, \$1.00 per 100; \$7.00 per 1,000. Two year old roots, \$1.25 per 100; (by mail, postpaid, 50 roots for 85c.; 100 for \$1.50); \$7.50 per 1,000 by freight or express (500 roots at 1,000 rate).

New Round Pod Kidney Wax

The Best Wax Bean yet Introduced

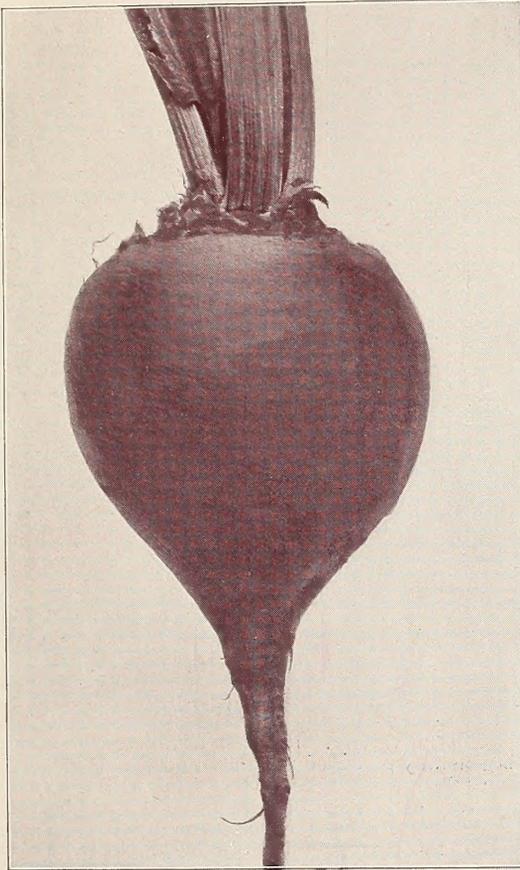
Since our introduction of this valuable bean in 1901, it has rapidly grown in popularity with market gardeners, who now grow it in preference to all others. It originated with N. B. Keeney & Sons, the well-known bean experts of New York State, and is the first round-podded Wax Bean we have ever found possessing the excellent market and shipping qualities of the popular Wardwell's Kidney Wax. The plant grows tall, strong and sturdy, with long, round, handsome, stringless pods of large size, very solid and full of meat, crisp, brittle and free from rust; wonderfully early and productive. Seed grown by the originator. Pkt., 10c.; pint, 30c.; qt., 50c., by mail, postage paid. By freight or express, qt., 35c.; peck, \$2.00; bushel, \$7.50.



Average pods of New Round Pod Kidney Wax Bean.



Lannier's Superba Beet



LANNIER'S SUPERBA BEET. See also colored plate on back of this book.

Seed of which is now offered for sale for the first time

THE MOST PERFECT BEET IN EXISTENCE

For more than fifty years Mr. Wm. Lannier, one of the oldest and best-known market gardeners near Philadelphia, supplied the early and late markets with the handsomest and most salable beets that could be had, and Lannier's Beets, as they were called, became much sought after by the best commission merchants of New York, Boston, and Philadelphia. During all these years Mr. Lannier selected with a critical eye the most perfect beets from each crop for seed stock to plant for his own use, never allowing himself to purchase seed for planting from any one. This new beet is the result of all these years of such careful and intelligent selection, and in it we believe the acme of perfection has been reached in beet culture.

In sending out sample trial packages last spring, we offered \$100.00 in cash for the best names suggested for it. These names were referred to a disinterested committee of three, who, after careful consideration of all the names sent in, selected the name of **Lannier's Superba** as the best, with ten other names as the next best. We immediately sent our checks aggregating \$100 to the successful competitors, as follows:

First Prize, \$50.00 for Best Name.

Geo. Hichoff, McElhattan, Pa.
James Allen, Laurel Springs, N. J.

Next Best 10 Names, \$5.00 each.

Frank Roche, Quincy, California.
Joseph Irving, Salina, Kansas.
Wm. A. Smith, Ludlow, Mass.
Wm. H. Torrey, Palouse, Wash.
J. D. Stafford, Pineland, Fla.
Wallace Greenalch, Albany, N. Y.
Jule Perthuis, Hitchcock, Texas.
C. S. Bassett, Kalamazoo, Mich.
Wilson Turner, Greeley, Colorado.
E. C. Pennington, Willard, Ky.

A Few Extracts from Hundreds of Letters Received

TWO WEEKS AHEAD OF OTHERS

E. G. SMITH, Rensselaer, N. Y., July 10, 1903, writes: "Your new beet (Lannier's Superba) is a wonder; it is the earliest and finest I ever had; all other beets planted the same time will not be ready for two weeks yet."

BEAUTIFUL AND DISTINCT IN SHAPE

CHAS. E. DAVIS, Cranbury Station, N. J., Aug. 4, 1903, writes: "Your new beet (Lannier's Superba) is a stronger and quicker grower than any other beet I ever raised. Its beautiful and distinct bell-shape and rich color unequalled."

AS EARLY AS EGYPTIAN

R. H. HART, Stono, S. C., June 11, 1903, writes: "Your new beet (Lannier's Superba) is just as early as the Extra Early Egyptian, but far surpasses it in size and tender quality, sweetness and beauty of form."

WILL PLANT NO OTHER

WM. PERRY, Cool Spring, Del., July 11, 1903, writes: "For beets next season I shall want only your new one (Lannier's Superba), I am so greatly pleased with it. I shall plant no other for both early and late."

A WEEK EARLIER THAN LENTZ

JOS. IRVING, Salina, Kan., Aug. 10, 1903, writes: "I planted your new beet (Lannier's Superba) one week after Lentz and dug them the same time. It is the handsomest and best beet yet introduced."

NE PLUS ULTRA OF BEET FAMILY

LOUIS MEYER, Malvern, Ark., June 13, 1903, writes: "I planted your new beet (Lannier's Superba) the end of March and began using them May 11th. They are the best beet we ever had; rich, sweet and of a splendid dark carmine color. This new variety is surely the ne plus ultra of all."

MOST ATTRACTIVE FOR MARKET

CHAS. G. ADDISON, Springfield, Md., Aug. 20, 1903, writes: "In vigorous and rapid growth, beauty of shape and color, attractive appearance on the market stall, as well as delicious flavor and tenderness, your new beets (Lannier's Superba) surpass all others. They were invariably picked out by purchasers before other kinds were touched. I regret that my whole crop was not of this new variety, but I intend it shall be in the future."

BEST FROM SIX SEEDSMEN

MISS MARY E. KIFER, Neri, Md., Aug. 6, 1903, writes: "It is the sweetest and most tender of any beet I ever used. I have had beets from six different seedsmen, and this beautiful new one of yours is the best of them all."

RICHEST RED COLOR

J. DUMAS, Rye Valley, Ore., July 25, 1903, writes: "Your new beet (Lannier's Superba) is the very best of early market beets. It is very handsome, having the richest red color, both inside and out, of any ever seen here."

PRICES FOR 1904: Per pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00



Johnson & Stokes' Quick-Cash Cabbage

The Earliest and Hardest Flat-Headed Cabbage



JOHNSON & STOKES' QUICK-CASH CABBAGE. (See also colored plate on back of book.)

We distributed last Spring several thousand packages of this wonderful new cabbage among our customers for trial, offering \$100 in cash for the best names suggested for it. Of the numerous names sent in, the committee decided on the name of "**Johnson & Stokes' Quick-Cash**" as the most appropriate, and which had been sent in by the first two persons named below, to each of whom we sent our check for first prize of \$50.00, also check for \$5.00 each to the ten last-named persons who had sent in what the committee considered the next best ten names.

The Prize Winners :

J. C. SUTTON, Blacks, Md., 1st.
 J. W. HUMPHREYS, Guyencourt, Del., 1st.
 GEO. S. WORCESTER, Thetford, Vt.
 J. W. RALSTON, Cedar Hill, N. M.
 THEO. BOSAN, Edgewater, Col.
 MRS. H. J. BAIRD, Terre Haute, Ind.
 FRED. SORENSEN, Nephi City, Utah.
 B. F. PEEPLES, Whaley, S. C.
 C. B. HERRICK, Twinsbury, Ohio.
 W. A. BELL, Hampton, Va.
 WM. W. FOUST, Barnegat, N. J.
 WM. R. WAKEFIELD, Woodhaven, N. Y.

Johnson & Stokes' Quick-Cash Cabbage is a cross between our **Johnson & Stokes' Earliest** and **Early Spring**, made and successfully bred for us by one of the largest cabbage growers of Long Island. It is fully as early as the celebrated **Johnson & Stokes' Earliest**. Some growers who tested it the past season claim it is even earlier than that wonderful variety. It has an advantage, however, in being a round or flat-headed cabbage, which type is generally preferred to pointed heads. It grows to good size for so early a variety. The stem is short, leaves finely veined, heads very solid, with few outer leaves. It has the peculiarity of heading firmly at a very early stage of growth, so that cabbage of the finest edible and market quality can be obtained long before it has reached its mature size. These advantages, together with its large yield per acre, make it the most profitable and desirable early cabbage that can be grown for either the market or home garden. **Prices for 1904:** Per pkt., 15c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00; lb., \$6.50.

WHAT CABBAGE GROWERS SAY OF JOHNSON & STOKES' QUICK-CASH

EARLIEST OF ALL

W. H. ERARD, Comstock, Mich., July 13, 1903, writes: "Every plant of your new cabbage (J. & S. Quick-Cash) made a good-sized solid head, as hard as a rock, quality most excellent and earliest of all."

STANDS FOR WEEKS WITHOUT BURSTING

E. S. SHAFFER, Moline, Ill., August 25, 1903, writes: "Your new cabbage (J. & S. Quick-Cash) grown side by side with four other extra early kinds, has beat them all in earliness and whiteness of fruit and in solidity of head. After apparently being fully matured it stands for weeks without bursting; it even grows more solid, crisp and tender the longer it stands."

EVERY HEAD A PICTURE OF BEAUTY

WM. WINCOTT, of Suffolk County Horticultural Association, Babylon, N. Y., July 27, 1903, writes: "I hardly know how to describe your new cabbage (J. & S. Quick-Cash). It is the finest and earliest I ever saw. Heads are very large and the very best quality. Every head is a perfect picture of beauty."

THE FINEST EARLY SHIPPER

WILSON TURNER, Greeley, Col., July 24, 1903, writes: "Your new cabbage (J. & S. Quick-Cash) is a perfect wonder in earliness, fine quality and solidity. It will be the finest early shipper."

SELLS AT HIGH PRICES

JOHN HERRMAN, Groesback, Ohio, August 5, 1903, writes: "From the one packet of your new cabbage sent me (J. & S. Quick-Cash) I raised 340 fine heads for market, and sold at high prices. I found it earlier and more solid than any other cabbage I ever raised."

A WEEK EARLIER THAN ANY OTHER

CHAS. G. ADDISON, Springfield, Md., July 20, 1903, writes: "I have tested your new cabbage (J. & S. Quick-Cash) impartially with my favorite early varieties, and found that from the start it took the lead of all others and held it to the end. They are at least a week earlier than any other, and are remarkable for their solidity and sure heading qualities."

LARGE HEADS IN TWO MONTHS

WM. W. FOUST, Barnegat, N. J., August 14, 1903, writes: "Your new cabbage (J. & S. Quick-Cash) was the earliest I ever raised. Small plants set out the middle of April produced large solid heads the 15th of June. I reserved some of the seeds to sow in Fall to Winter over in cold frames, and I believe I can get cabbage middle of next May."

NOT BOTHERED BY WORMS

B. MARPLE, Canonsburg, Pa., August 4, 1903, writes: "Your new cabbage (J. & S. Quick-Cash) came extra early, with fine, large, very solid round heads, slightly flat. It grows very close and compact, and was not bothered any by worms."

EARLIEST OF SIX EXTRA EARLY SORTS

R. A. CALVIN, Lawrence, Mich., August 12, 1903, writes: "I planted your New Early Cabbage (J. & S. Quick-Cash) this season at the same time with six other extra early varieties, and I had yours in the market ahead of all the rest. It was very crisp, and more solid at the core than the others."

THE FIRST TO CUT

GEORGE W. COOK, Cable, Pa., July 17, 1903, writes: "I am decidedly pleased with your new cabbage (J. & S. Quick-Cash). It is the earliest of all the early kinds, being the first I cut this year and by far the handsomest."



A New Late Cabbage—Worm-proof Hardiana

Our attention was first attracted to this cabbage in Dock Street Market, Philadelphia, two years ago, on account of its quick sale and handsome appearance, the leaves being entirely free of worm-holes, while all other varieties were more or less eaten by the worms. On close examination we found a slight coating or enameling completely covering the leaves, making it impervious to the worms and without affecting its fine quality. We found the variety was controlled by a few Atlantic County, N. J., growers, who readily sold the seed to their near neighbors at \$3 to \$5 per ounce, and it was only after great persuasion and at high cost we were able to get enough to grow our present supply. The heads are very hard and solid, of good size, often showing a slight purplish tinge on top, and as a winter keeper there is nothing superior. Per pkt., 15c.; oz., 70c.; $\frac{1}{4}$ lb., \$2.25; lb., \$8.00.

A FEW OPINIONS ON NEW WORM-PROOF HARDIANA CABBAGE

B. F. PEEPLES, Whaley, S. C., Aug. 15, 1903, writes: "Your new Worm-proof Cabbage, of which you sent me a packet for trial, is most excellent; it stands the heat better than any I have ever grown. Absolutely worm-proof and very large and solid."

F. W. SCHAEFER, Newburgh, N. Y., Sept. 9, 1903, writes: "Your new Worm-proof Cabbage is all O. K.; not a worm on any of them; beautiful, solid heads of the best quality. I thank you for sending me the seed for trial."

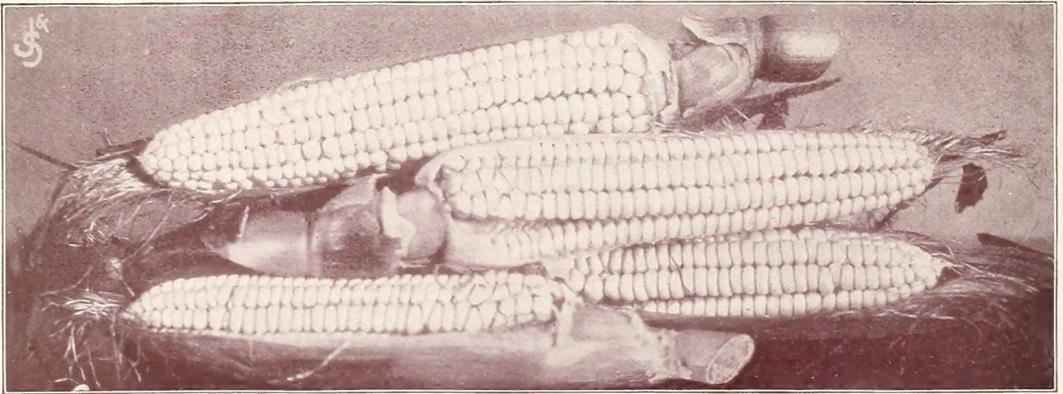
JACOB S. KNISELY, Red Lion, Pa., Sept. 26, 1903, writes: "For the year 1904 I shall plant nothing but new Worm-proof Cabbage if you have the seed for sale. It is by far the handsomest and most perfect late cabbage I have ever seen."



NEW NAMELESS CABBAGE FOR INTRODUCTION IN 1905.

A New Nameless Cabbage Trial Packets Now Free

We have been fortunate in securing a small quantity of seed from the originator of the beautiful new cabbage shown alongside (not yet named), and which we propose to introduce in 1905. We shall be glad to add a good-sized trial package free to all orders of \$1.00 and over, where an interest in our new varieties is indicated.



PHOTOGRAPH OF AVERAGE EARS OF HOLMES' PREMO SWEET CORN.

Holmes' Premo 60-Day Sweet Corn

Mr. C. S. Clark and several other expert corn growers pronounce this new variety from five to seven days earlier than any other sweet corn in existence. In our own tests the past season it gave us good boiling ears ahead of all other corn planted, with the single exception of the New Buck Mountain. It combines all the merits of the leading early varieties, and is also really superior to many of them in size, quality and yield. Holmes' Premo can be planted fully as early as the Adams, for the young plants withstand slight frosts, while other varieties are tender and the seed will rot if planted before the soil becomes warm. The stalks grow about five feet high, and are very vigorous, generally bearing two well-developed ears to a stalk. 1 ct., 10c.; pint, 25c.; quart, 40c., postpaid; by express or freight, qt., 30c.

The Camera is Our Illustrator—What Leading Agricultural Papers Say:

"The GARDEN AND FARM MANUAL issued by Johnson & Stokes, Seedsmen, of Philadelphia, Pa., is strikingly interesting. It is a decided departure from the ordinary exaggerated seed catalogue, in that it shows the product of this firm's seeds just as they were seen through the camera. From cover to cover it contains photographic reproductions of vegetable, flower, nursery and farm products that are indisputable evidences of the quality of their seeds. It also illustrates the integrity and honesty of this well-known firm, and cannot help but inspire the confidence and patronage of its readers. This method of changing doubt into certainty as to reliability and results obtained from their seeds, is a commendable step in seed selling."—*American Gardening*, New York, February 7, 1903.

"Among the most interesting Seed Catalogues received is the GARDEN AND FARM MANUAL of Messrs. Johnson & Stokes, 217 and 219 Market Street, Philadelphia. This catalogue differs from those offered by any other seedsmen in this country, as it is illustrated throughout with handsome photographs taken direct from the vegeta-

bles and flowers themselves. One of their latest introductions, and which has brought them a very considerable amount of favorable comment, is their 'Sparks' Earliana Tomato.' This has proven to be a novelty of very sterling merit, being the finest, large, round, smooth tomato, and coming earlier than any other known sort."—*New England Homestead*, February, 1903.

Photographing Seed Products.

"Though good seeds are scarce this Spring, we feel assured that any of our readers applying to that old reliable seed house, Johnson & Stokes, Philadelphia, will be well taken care of. Even if seeds are bought elsewhere, it would be well to write for their GARDEN AND FARM MANUAL, and see what development is reached by different varieties of vegetables and fruits from the photographs therein reproduced. The book is illustrated throughout by reproducing photographs of seed products. Whatever is of real worth is sure to be found with this firm, and by illustration from photograph and accurate description, you know exactly before ordering just what its merits are."—*Home and Farm*, New York and Louisville, Ky.

"JOHNSON & STOKES' GARDEN AND FARM MANUAL.—This beautiful catalogue is completely illustrated by cuts direct from nature. This absence of exaggeration is most refreshing in comparison with some of the wondrous distortions that come to us from other sources."—*Rural New Yorker*, New York.

"JOHNSON & STOKES' GARDEN AND FARM MANUAL is especially interesting for its fine illustrations, which are wholly reproductions from photographs. Such pictures alone must inspire confidence in the integrity of the firm."—*Farm and Fireside*.

"JOHNSON & STOKES' GARDEN AND FARM MANUAL contains only photogravings of the plants and seeds offered. There can be no deception or exaggeration about these, as they are made directly from photographs."—*Northwestern Farmer*.

"We congratulate you on the splendid appearance of your Catalogue. The truthful photo-reproductions make known just exactly what you are getting."—*Farm Journal*.

We Will Pay \$200.00 in Cash for Best Photographs

of products of Johnson & Stokes' Seeds grown in 1904. \$10.00 each for best 5 photos, \$50.00; \$5.00 each for best 10 photos, \$50.00; \$2.00 each for best 50 photos, \$100.00; total of \$200.00. The awards will be made October 1, 1904, by a committee of officers, including the President and Treasurer (who have kindly consented to act) of the Philadelphia Photographic Society.

Photographs can be sent to us any time during the season, and should not be less than 4 inches by 5 inches, with objects as large as possible. Where field crops are taken, photos of single specimens should also be sent, as they are intended for catalogue illustrations.



Myers' Quick Growing White Plume Celery

A new strain of White Plume Celery, selected and improved by Myers & Bowman the well-known Philadelphia market gardeners. It is unquestionably the earliest celery known, being ready for market 10 days to 2 weeks earlier than any other strain. It differs also from the old White Plume in size and habit, somewhat resembling the Paris Golden Self-Blanching, but more stocky and robust, throwing out from 8 to 12 hearts. Leaves are very light in color and entirely free from green celery. It has proven to be by far the handsomest, best and most salable early celery that has been offered on Philadelphia markets the past three seasons.

Choice home-grown seed, per pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

WHICH IS THE BEST WINTER CELERY?

American Gardening, the leading agricultural paper of New York, in its celery trial ground reports, March 7, 1903, says:

"*Winter Queen* (Johnson & Stokes). In the vicinity of New York City the market gardeners have found this variety of green celery to be the one to plant in preference to any other. It is one of the very best for late use; stands handling and shipping the very best; it was introduced by the firm who annually have sent us the sample of seed for our trials. It is one of the darkest of green celeries; makes an exceedingly strong and robust growth; in fact, the plant, from its very early life, has an appearance of healthfulness; it is of a close and stocky habit, and when blanched is of a cream-white; very solid and of a very good flavor; it does not grow so very tall, but does make an exceedingly large, broad crown, and thus develops a large heart. For profit this is the best variety now grown of the green celeries."

If you want genuine seed of the **Winter Queen** send to the introducers. Prices for 1904: Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



MYERS' QUICK GROWING WHITE PLUME CELERY, as marketed in Philadelphia, September 15th.

New Early Black Beauty Egg Plant

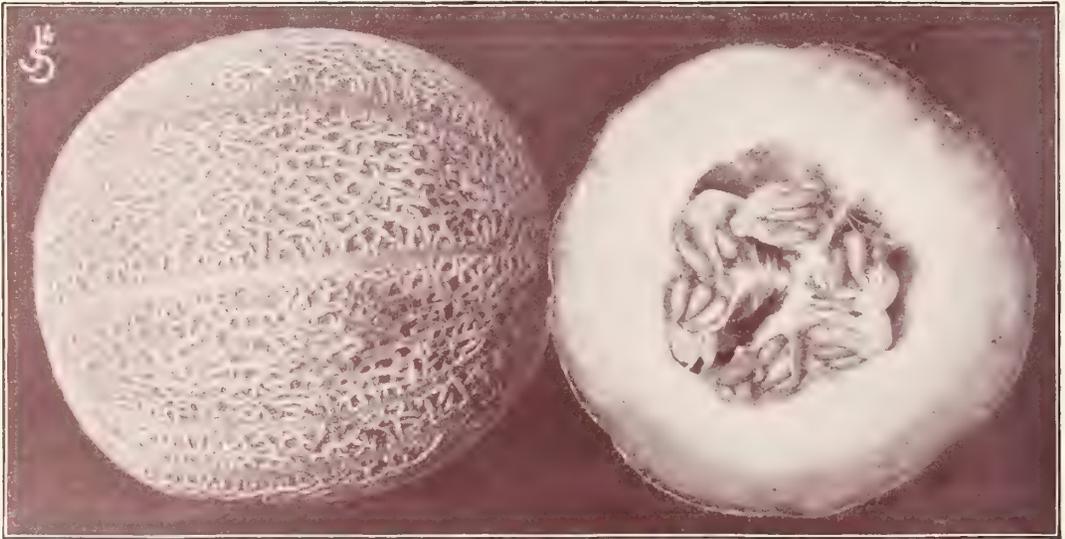
This new variety was originated by Mr. W. E. Ashcroft, of South Jersey. It is fully ten days earlier than the New York Improved Purple, and fully as large in size. It is remarkably handsome and prolific.

Mr. Howard Russ, of Burlington County, N. J., who is probably the largest egg plant grower in the State, and no better authority could be given, says: "The Early Black Beauty which I obtained first from you proved to be much hardier and thriftier in growth than any other. It is also much better in shape and fuller at the top than the New York Large Purple. It gave me the handsomest patch of egg plants I ever saw. Not a plant with less than 10 and many bore 20 perfect uniform fruits, which never turned gray even after becoming dead ripe."

Seed, per pkt., 15c.; oz., 85c.; $\frac{1}{4}$ lb., \$2.50.



NEW EARLY BLACK BEAUTY EGG PLANT.



SELECTED ROCKY FORD, THE GREAT COLORADO SHIPPING MELON, CELEBRATED FOR ITS REMARKABLY FINE QUALITY.

GENUINE ROCKY FORD MELON

JOHNSON & STOKES' SELECTED STRAIN

In the past few years Colorado has developed into a great melon-growing State. It is estimated that over 4,000 acres were planted in 1903, which were shipped, reaching almost every large city in the United States, where they were placed on sale as the choicest fruits in the most fashionable markets, always realizing handsome profits, owing to their fine quality and appearance. They are an improvement on and differ from the old "Netted Gem" in being a little more oblong in shape and possessing much better shipping and keeping qualities, and are unquestionably one of the best second early green fleshed melons in existence. Owing to the growing popularity of this melon, much spurious seed is being offered at low prices, and we warn our customers to beware of such. **Our selected strain** of this celebrated melon is unequalled. In addition to selected seed of our own growing, we also offer thoroughbred seed grown and selected in Colorado, so that our customers can take their choice. Prices of either: Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid; by express, lb., 90c.; 5 lbs. and over, 80c. per lb.

HALBERT HONEY WATERMELON

Originated by Mr. H. A. Halbert, of Texas, who claims it to be the best that can be grown for family use and home market. In our trials the past two seasons we have found it fully equal in delicious flavor to the celebrated Kleckley Sweets Watermelon, but better and more uniform in color and shape, being free from any tendency to "neck." The vines also grow stronger and are much more prolific. Notwithstanding its Southern origin, they ripen quite early. Lovers of fine melons will make no mistake in planting Halbert Honey. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb. 50c.; lb., \$1.50.



THE NEW HALBERT HONEY WATERMELON, AS SWEET AS KLECKLEY'S, HANDSOMER IN APPEARANCE.



A field of our celebrated **Philadelphia Yellow Globe Darvers Onion** growing for seed. For illustration and description see page 38. Prices for 1904, new crop pedigree tested seed: Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25, postpaid; by express or freight, lb., \$1.15; 5 lbs. for \$5.50; 10 lbs. for \$10.00; 25 lbs. and over, 95c. per lb.

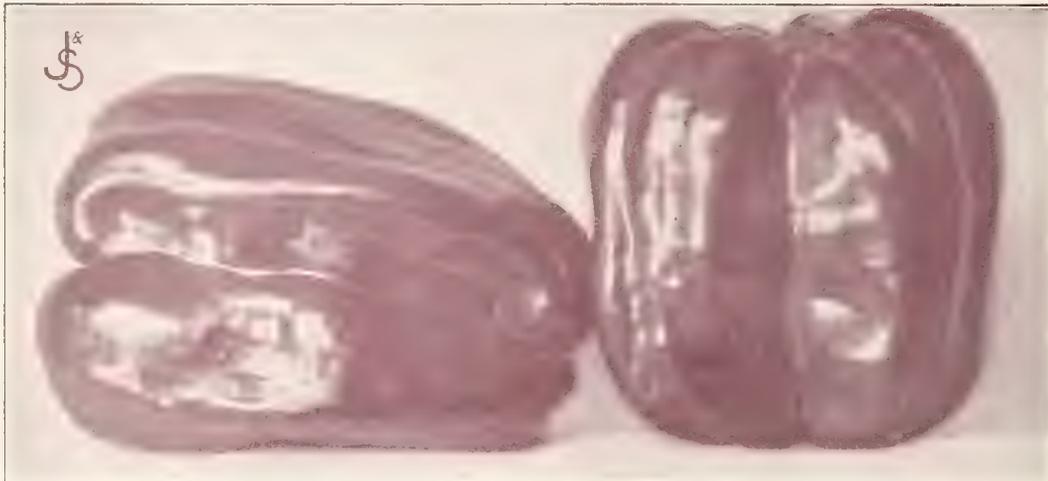
Philadelphia Long-Keeping Yellow Egg Onion

This is one of the best selling Winter Onions in the retail markets of Philadelphia. It grows to good size, with handsome thin yellow skin. Its fine-grained white flesh is of the most superior quality. It is a large cropper, and as an onion to keep over for Winter and Spring markets or home use there is nothing superior. Per pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.





THE LARGEST MILD RED PEPPERS IN CULTIVATION



NEW RUBY GIANT PEPPER.

CHINESE GIANT PEPPER.

NEW RUBY GIANT PEPPER

In Philadelphia and many other markets there is a demand for long-shaped peppers on the style of the Ruby King. To meet this demand a New Jersey grower has successfully crossed the Ruby King and Chinese Giant, retaining the large size of the Chinese Giant with the longer shape of the Ruby King, as shown in our photograph above. Supply of seed grown and selected by the originator is so small we can only offer in packets this season. Per pkt., 20c.; 3 pkts., 50c.; 7 pkts. for \$1.00.

NEW CHINESE GIANT PEPPER

On account of its earliness, productiveness and large size, truckers who grow for market have found this a most profitable variety. Plants grow very vigorous and stocky; flesh unusually thick, mild and sweet. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

NEW CRIMSON GIANT FORCING RADISH

FOR FORCING OR OPEN GROUND CULTURE

A new type of Early Turnip Radish of a striking deep crimson color, attaining a size of 6 to 7 inches in circumference, weighing over an ounce, or about four times the weight of Scarlet Turnip sorts; notwithstanding its immense size, it does not get hollow or pithy, the flesh remaining white, solid, crisp and tender, and of the mildest flavor. The shape is well shown in our photograph alongside. Packets of seed, for trial, were distributed last Spring to many experienced market gardeners, who all agree that it is a very valuable acquisition to our list of fine early Radishes. Per pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

NOVELTIES FOR 1905 NOW FREE FOR TRIAL

In addition to the New Nameless Cabbage and New Extra Early Tomato offered on pages 5 and 11, we have a few other distinct novelties not yet catalogued by any seedsmen, and which we propose to introduce in 1905. We shall include one or more packets in all orders amounting to \$1.00 and over received this season.



NEW CRIMSON GIANT FORCING RADISH.



Photograph of new SANTA ROSA TOMATO—specimen weighing 23 ounces, 17½ inches in circumference.

New Mammoth Main Crop Tomato—now called SANTA ROSA

Three years ago one of our customers at Santa Rosa, California, sent us a few seeds of this valuable new tomato for trial. Upon growing we found in it a new race of tomatoes, differing from all others in its brilliant crimson untinged color, thick symmetrical shape, solid, meaty and almost seedless flesh. We were also astonished at its great size, eclipsing all very large tomatoes such as Ponderosa, Enormous and all others we have ever seen, many fruits 5 to 6 inches across and almost as deep through. Desiring that it be given a trial in all sections of the country, before offering the seed for sale, we sent out several thousand trial packages last Spring, and publish below a few extracts from several hundred letters received.

AN OBJECT OF AMAZEMENT

HON. BENJ. M. FRISBEE, Rideout, Fla., July 7, 1903, writes: "Your new Main Crop Tomato (Santa Rosa) is an object of amazement to all. I have just picked one that measures 16 inches around and weighs 20½ ounces. Although so large, they are solid and firm. They are smooth and round, and as a main cropper cannot be surpassed; they are about 14 days later than Sparks' Earliana."

A WONDER IN SIZE AND QUALITY

J. C. SUTTON, Blacks, Ind., Sept. 14, 1903, writes: "Your new tomato (Santa Rosa) is a wonder in size and quality; I never saw its equal. I shall want to buy the seed next season."

A CONTINUOUS BEARER

R. H. DENNEY, Smyrna, Del., Sept. 14, 1903, writes: "Early in the Spring I sowed in our plant house your New Mammoth Main Crop Tomato Seed (Santa Rosa); they made us very strong, thrifty plants. I set them out in due time and they made excellent vines. The tomatoes were the largest I ever saw. Our crop is now about over; they have been bearing since the early part of July."

BEST FOR CANNING AND MARKET

P. WEBER, Hamilton, Ohio, Sept. 16, 1903, writes: "Your new California tomato is the finest main crop variety, being very large, firm and solid, with but few seeds. I highly recommend it as the best for canning and market."

Prices for 1904 of new Santa Rosa Tomato seed of our own growth and selection: Pkt., 15c.; 2 pkts., 25c.; oz., 70c.; ¼ lb., \$2.00; lb., \$7.00.

A New Extra Early Tomato Free

Which We Desire to Have Tested in Comparison with our Famous Sparks' Earliana

Very early tomatoes have of late years been such a profitable crop that almost every grower in Southern New Jersey boasts, with more or less justice, that he has the earliest tomato. This new variety comes from the same trucking section as Sparks' Earliana, and the originator, Mr. E. A. Locke, claims it to be even earlier than that wonderful variety. So strongly was it recommended by Mr. Locke and many of his neighbors that we have secured from him, at high cost, a limited quantity of the seed, so that we may include a liberal trial packet to all customers whose orders amount to \$2.00 and over.

WHAT A NEWSPAPER SAYS

LELA M. BRADLEY, of Malden, Mo., sends, July 3, 1903, a clipping from *The Dunklin News*, which reads: "Three mammoth tomatoes were brought to this office yesterday that are fine specimens of that luscious fruit. They were raised by J. N. Howard in this city and he says he has great quantities that are nearly as large as these specimens. Two of them measure 14 inches in circumference and weigh over one pound each. The seed (Santa Rosa) came from Johnson & Stokes. The plants had no particular cultivation more than is usual."

TOMATOES OVER 7 INCHES ACROSS

J. M. MCCracken, Bucyrus, Ohio, Aug. 9, 1903, writes: "I have plants growing of your large California Main Crop Tomato (Santa Rosa) from seed received last Spring and I now have tomatoes on them measuring over 7 inches across."

VIGOROUS AND WONDERFULLY PROLIFIC

ROBT. C. MAY, Miamo, Fla., May 2, 1903, writes: "Your new Main Crop California Tomato (Santa Rosa) is a very fine variety. The plant is a vigorous grower, wonderfully prolific and the fruit solid, very large and excellent in quality."

LARGEST AND BEST HE EVER GREW

J. M. MURLAND, Dawson, Pa., Sept. 22, 1903, writes: "The fruit of your new Main Crop Tomato (Santa Rosa) ripens very evenly. It is the largest and best I ever grew."



Photograph of a single plant of SPARKS' EARLIANA TOMATO, showing its wonderful productiveness.

SPARKS' EARLIANA TOMATO

NAMED AND INTRODUCED
BY US IN 1900

THE EARLIEST LARGE, SMOOTH TOMATO IN THE WORLD

The most perfect of all tomatoes. Of large uniform size and beautiful red color. Quality almost beyond praise. Ripens thoroughly all over, the stem-end coloring up perfectly. Almost seedless and as solid as beefsteak. Most vigorous grower. A prodigious bearer, continuing until frost. Succeeds everywhere from Maine to California, and Canada to Mexico.

The above claims may seem strong, but they have been abundantly proven by thousands of planters who have grown this grand tomato in the past 3 years. Nothing we have ever introduced has brought us so many strong unsolicited testimonials. Tomato growers of the United States have realized hundreds of thousands of dollars from this remarkable variety. The demand for the seed was so great in 1903 that we were obliged to refuse all large orders from planters and seedsmen. We have positive knowledge that another and greatly inferior tomato was sold last season, and will again be offered in 1904 as Sparks' Earliana, and warn our customers to beware of such.

Sparks' Earliana is as near seedless as any tomato we ever saw, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds per acre. For this reason the genuine seed can never be sold at a low price. We control the entire supply of seed grown direct from the originator's selected stock seed. Per pkt., 15c.; $\frac{1}{2}$ oz., 40c.; oz., 80c.; $\frac{1}{4}$ lb., \$2.50; lb., \$9.00.



A single cluster of SPARKS' EARLIANA taken from our field.

A single cluster of SPARKS' EARLIANA taken from our field. For this reason the genuine seed can never be sold at a low price. We control the entire supply of seed grown direct from the originator's selected stock seed. Per pkt., 15c.; $\frac{1}{2}$ oz., 40c.; oz., 80c.; $\frac{1}{4}$ lb., \$2.50; lb., \$9.00.



READ WHAT GROWERS SAY

of the greatest novelty in
Tomatoes ever offered

If space would permit, we could print hundreds
of letters similar to the following:

THREE TIMES AS PRODUCTIVE AS OTHERS

J. T. MAUZY, Princeton, Ind., Aug. 19, 1903, writes: "I never saw any tomato that would begin to equal Sparks' Earliana in earliness, productiveness and fine quality. I can get more tomatoes off of 300 Sparks' Earliana plants than I could get off 1000 of any other variety."

OVER TWO WEEKS AHEAD

GEO. M. HARWOOD, Platte, Mich., Sept. 13, 1903, writes: "I had tomatoes over two weeks before any one else here, they were your Earliana. I sold 59 baskets of them at \$1.25 per basket. Everybody praises them. They are so large and solid and have a better flavor than any other tomato."

RIPEN IN CANADA JULY 10th

A. H. LEONARD, Prescott, Ont., Canada, July 29, 1903, writes: "Your Sparks' Earliana is the earliest and best tomato I ever saw. I gathered bushels of ripe ones in this northern latitude on the 10th of July."

FINEST FRUITS FROM JULY TO SEPTEMBER

W. H. CLARK, New Brunswick, N. J., Sept. 11, 1903, writes: "Your Sparks' Earliana tomatoes are very large, solid and perfect; flavor is excellent; the color perfect; it gave finest fruits from July 4th to September 12th. An enormous yielder."

\$300 FROM ½ OUNCE OF SEED

C. M. EMERORY, Knoxville, Tenn., Oct. 17, writes: "The ½ ounce Sparks' Earliana Tomato Seed purchased from you gave me 1500 plants from which I made over \$300. I have been growing tomatoes for 18 years and have never seen its equal. Fine large tomatoes more than three weeks ahead of all others on the market."

MOST VALUABLE NOVELTY IN A CENTURY

JOHN W. MILLETT, Bismarck, N. Dakota, writes: "I congratulate you on having introduced the most valuable tomato novelty of the past century, which Sparks' Earliana surely is. It is earlier than all other varieties ever brought forward; it produces three times the amount of fruit of any variety I ever grew. This superb tomato not only equals, but far surpasses all you claim for it."

TWO WEEKS AHEAD OF ATLANTIC PRIZE

MRS. B. R. MILLER, McKeesport, Pa., July 31, 1903, writes: "Your Sparks' Earliana is the best all-around Tomato we ever had; it is perfectly smooth, very meaty, a good keeper and first of all to ripen, being two weeks ahead of Atlantic Prize."

CAN HAVE TOMATOES BY JUNE 20th

GEORGE W. CORNISH, Inwood, L. I., N. Y., Feb. 20, 1903, writes: "I have raised tomatoes 32 years, but have never seen any as good as your Sparks' Earliana. I believe by raising these plants in house I can have tomatoes for the table by the 20th of June."

FIRST PRIZE IN CANADA

THOS. BULMAN, Winnipeg, Canada, Sept. 3, 1903, writes: "Your Sparks' Earliana Tomatoes have given great satisfaction; they are by far the earliest. At the Horticultural Exhibition I received first prize for them. You will find a great demand for the seed in Manitoba and Canada."

176 TOMATOES ON ONE PLANT

WM. H. KIRBY, Chestertown, Md., writes: "Your Sparks' Earliana is the finest tomato I ever saw. It is the earliest and most productive. In the past thirty years I have tried many varieties of tomatoes, but this one beats them all; yesterday one of my men counted 176 tomatoes on one plant."

Sparks' Earliana Tomato requires intelligent and constant selection for stock seed to keep it at its present high standard. All seed purchased from us (the introducers) insures the highest possible grade saved from selected fruits of the genuine variety. We planted in 1903 in Sparks' Earliana by far the largest acreage we have ever grown in any one variety of tomato and hope to be able to fill all orders that we may receive this season. Prices for 1904: Per pkt., 15c; ½ oz., 40c; oz., 80c; ¼ lb., \$2.50; lb., \$9.00.



*"Them Sparks' Earliana get earlier
and better every year."*

WITHSTOOD WET WHEN OTHERS ROTTED

C. W. MACMILLAN, Savannah, Ga., writes: "I found your Sparks' Earliana everything you claim for them; not only were they heavy bearers and at least ten days earlier than any other varieties planted at same time, but they withstood an exceedingly wet season without damage, whilst other kinds rotted badly."

\$200 ON LESS THAN ONE-HALF ACRE

R. E. L. BRADFORD, Forth Worth, Texas, August 2, 1902, writes: "I sold \$200 worth of tomatoes from less than one-half acre of your Sparks' Earliana. It beats any tomato ever grown for this market in earliness and productiveness. I will plant three acres of them next season."

EARLIEST AND BEST OF 100 VARIETIES

ALFRED PALMER, Salem, N. C., writes: "After forty years' experience in tomato raising I must say that of over 100 varieties I have tried, I found your Sparks' Earliana to be the very earliest and best in every way. Its quality and merits are perfection."

HEAVY CROP WHEN OTHERS FAILED

GEO. WOLFRUM, JR., Kresson, N. J., writes: "I have grown your Sparks' Earliana Tomato since its introduction, and find it the very earliest and best. Last year I had a heavy crop of them while my neighbors had hardly any from other varieties."



JOHNSON & STOKES' NEW LEAFLET-ESSAYS ON IMPORTANT VEGETABLES, ETC.

SENT FREE to all purchasers of Johnson & Stokes' Seeds when asked for with their Seed Orders

They give in a concise, practical way complete cultural information gained from long experience on the subjects of which they treat.

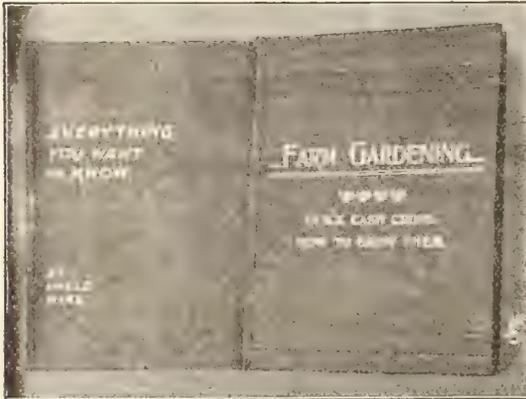
- No. 1. **ASPARAGUS.** Making the Bed, Setting Roots, Cultivating, Fertilizing and Marketing.
- No. 2. **CABBAGE.** Planting Out, Cultivation, Diseases and Insects, Storing and Marketing.
- No. 3. **CELERY.** Soil, Fertilizers, Planting, Cultivating, Blanching, Storing for Winter.
- No. 4. **MELONS.** Musk or Cantaloupe and Watermelons, Cultivation, Manuring, Insect Enemies.
- No. 5. **MUSHROOMS.** How to Prepare Bed, Planting Spawn, Temperature and Marketing.
- No. 6. **ONIONS.** Preparing the Soil, Fertilizers, Planting Seeds and Sets, Cultivating, Harvesting, Storage, Marketing, etc.
- No. 7. **SWEET POTATOES.** Growing Sprouts or Plants, Setting Out, Cultivating, Harvesting, Storing for Winter, etc.
- No. 8. **GINSENG.** History, Possibilities, Cultivation and Marketing of this Wonderful Root.
- No. 9. **FLOWER CULTURE FROM SEED.** Including Sweet Pea, Nasturtiums, Pansies and other Popular Flowers. Complete Cultural Directions.
- No. 10. **SASHES AND BEDDING PLANTS.** Treating Principally on Hot Beds and Cold Frames
- No. 11. **THE FAMILY VEGETABLE GARDEN.** Telling How and What to Grow.
- No. 12. **HINTS ON LAWN MAKING AND GRASS SEED MIXTURES** for Lawns, Golf Grounds, Permanent Pasture and Mowing.

In asking for these essays it is only necessary to mention the number of the essay wanted. They are not for sale and cannot be sent unless the seed of the kind on which they treat is included in the order, except the last three, which will be sent, when requested, with any order of 50 cents or over.

BOOKS FOR THE FARM AND GARDEN

Standard works, written by acknowledged authorities on the subjects of which they treat. We send them postpaid on receipt of price. To customers who order them sent with seed orders, we allow a discount of 10 per cent. from publishers' prices, here quoted:

ON FARM AND GARDEN TOPICS



- EVERYTHING YOU WANT TO KNOW.** By UNCLE MIKE. A complete work for both gardeners and poultry men. Treats in the brief, boiled-down style, characteristic of the author, on vegetables and farm products, together with a complete poultry section. 128 pages, fully illustrated and bound in cloth. . . . \$0 50
- Farm Gardening, or Quick Cash Crops and How to Grow Them.** A decided help to both the farmer and market gardener. Tells how and what to grow, how to fertilize and how to treat insect enemies, etc. 128 pages, fully illustrated, bound in cloth. Johnson & Stokes 50
- Irrigation by Cheap Modern Methods.** A practical work. Johnson & Stokes. 50
- \$100 Prize Essays.** By practical growers. "How and What to Grow in the South" 10
- Practical Farm Chemistry.** T. Greiner 1 00
- Gardening for Pleasure.** Henderson. 2 00
- The Young Market Gardener.** A Beginner's Guide, How the Farm Pays. Henderson and Crozier 50
- How Crops Grow.** A treatise on the chemical composition, structure and life of the plant. Johnson 2 00
- How Crops Feed.** A treatise on the atmosphere and soil as related to the nutrition of plants. Johnson 2 00
- Draining for Profit and Health.** Waring 1 50

ON VEGETABLES AND FRUITS

- Asparagus Culture.** Barnes and Robinson \$0 50
- Biggle Berry Book.** (New.) The very latest treatise on small fruits. Illustrated by colored plates 50
- Broom Corn and Brooms.** Cloth 30
- Cabbages and Cauliflowers, How to Grow Them,** Mushroom Culture. J. & S. Paper Circular 10
- Mushrooms—How to Grow Them.** Cloth 1 50
- New Onion Culture.** T. Greiner 50
- New Potato Culture.** The French System. Carmen, Squashes—How to Grow Them. Gregory 50
- Sweet Potato Culture.** Fitz 60

ON FLORICULTURE

- Practical Floriculture.** For Florists. Henderson 1 50
- Commercial Violet Culture.** Galloway 1 50
- Success with House Plants.** Hillhouse 1 00
- How to Destroy Insects on Plants and Flowers** 25
- My Handkerchief Garden.** Barnard 10
- How to Plant a Place** 20

ON POULTRY AND LIVE STOCK

- Little Chicks.** Just out. A treatise on the successful care of chicks by both natural and artificial methods. Boyer 50
- Biggle Poultry Book.** Finely illustrated 50
- Biggle Cow Book.**) All up-to-date modern methods 50
- Biggle Swine Book.**) concentrated and recorded for 50
- Biggle Horse Book.**) the benefit of man 50
- Profitable Poultry Farming.** M. K. Boyer 25
- Farm-Poultry Doctor.** Dr. N. W. Sanborn 50
- Low-Cost Poultry Houses.** Illustrated 25
- 500 Questions and Answers on Poultry Topics** 25
- A Living from Poultry.** M. K. Boyer 25
- Broilers for Profit.** M. K. Boyer 50
- Capons for Profit.** T. Greiner 30
- Winter Eggs.** How to get them. John H. Robinson, Egg Record and Account Book 25
- Practical Pigeon Keeper.** Illustrated. Wright 1 50
- Money in Squabs.** Brinton 50
- American Standard of Perfection.** A complete description of all the recognized Breeds of Fowls 1 00
- Duck Culture.** Rankin 50
- Training of Shepherd Dogs.** Wickham 50
- The Collie.** Its history, points and breeding. Dalziel 1 00
- An Egg Farm, or the Management of Poultry in Large Numbers.** H. H. Stoddard 1 00
- The Rabbit.** W. N. Richardson 25

NO BOOK AS USEFUL.

Mrs. S. FALLIS, Montello, Wis., Aug. 17, 1903, writes: "I have planted your seed many years with greatest success. I never had anything that has been of such use as your book entitled "Everything You Want to Know."



Johnson & Stokes' Vegetable Seeds



DIRECTIONS FOR ORDERING ON ORDER SHEET TO BE DETACHED, OPPOSITE PAGE 12

IN the following pages we have endeavored to list the cream of all varieties known, weeding out many that are still advertised by other seedsmen, but which our extended tests at **Floracroft Trial Grounds** have proven to us are unworthy of cultivation. We take great pains each season to inform ourselves fully as to the real merits of everything offered as new or superior, and our customers may rest assured that if any much-lauded variety is not found in our **MANUAL**, the probability is much greater that we have tested it and found it of little or no value, than that it is unknown to us. It is our constant aim thus to gain and hold the confidence of all customers.

ARTICHOKE

As a table vegetable the Artichoke deserves to be more generally cultivated. The part eaten is the flower head, which is used before it begins to open, and cooked in much the same way as asparagus.

Large Green Globe. Pkt., 10c.; oz., 30c.; lb., \$3.00.

Artichoke Roots for hog feed will be found under "Farm Seeds." Peck, \$1.00; bush., \$3.00; bbl., \$7.50.

ASPARAGUS

Asparagus is one of the earliest spring vegetables. No vegetable on our list can be produced so cheaply and easily. Directions for planting and culture will be found in our new **LEAFLET-ESSAYS**, sent free on request. A bed 12x40 feet, requiring about 100 roots, will give an abundant supply for an ordinary family. One ounce of seed will sow 40 feet of row; 7,260 roots will plant an acre.

NEW ASPARAGUS

EARLY FRENCH GIANT

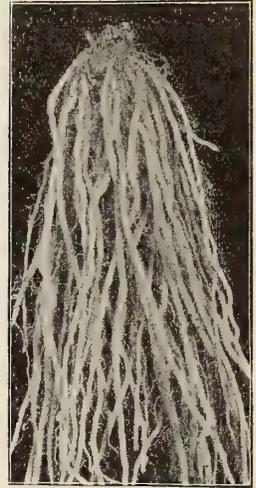
THE EARLIEST—LARGE AND PROLIFIC

For description and illustration, see page 2.



Donald's Elmira Asparagus

This new asparagus, first introduced by us, has attracted much attention throughout the country. It was originated by Mr. A. Donald, a prominent market gardener of Elmira. He has always realized handsome prices, and although a large grower was unable to supply half the demand. The delicate green color is notably different from either the famous Barr's Philadelphia Mammoth or Palmetto, while the stalks are more tender and succulent. Its mammoth size can be realized from the fact that in whole crops a bunch of twelve stalks will average three to four pounds in weight. It requires much less labor in cutting and bunching, thus lessening the expense of marketing. **Price of Seed:** Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c. **STRONG ROOTS**, 1 year old, 70c. per 100 (by mail, postpaid, 50 for 70c.; \$1.00 per 100); 500 for \$3.00; \$5.50 per 1,000; 2 years old, 75c. per 100; 500 for \$3.25; \$6.00 per 1,000, by freight or express.



TWO-YEAR-OLD ASPARAGUS ROOT.

Barr's Philadelphia Mammoth

This variety originated with Crawford Barr, a prominent market gardener of Pennsylvania. Grown side by side with Conover's Colossal, it grows twice as large and more productive. In Philadelphia it is much sought after and sells at top-notch prices. **SEED:** Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. **GOOD STRONG ROOTS**, 1 year old, 65c. per 100 (by mail, postpaid, 50 for 50c.; 90c. per 100); \$4.50 per 1,000; 2 years old, 70c. per 100; \$5.00 per 1,000 (500 roots at 1,000 rate).

Columbian Mammoth White

This is a most distinct variety, discovered on Long Island a few years since. The stalks are large, produced abundantly and early. They are clear white and remain so as long as fit for use, without earthing up or any other artificial blanching. There is a large demand from canners for this sort. **Prices of Seed:** Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c. **GOOD STRONG ROOTS**, 1 year old, 70c. per 100 (by mail, postpaid, \$1.00 per 100); \$5.50 per 1,000; 2 year old roots, 75c. per 100; \$6.00 per 1,000.

Palmetto Asparagus

This asparagus is now quite extensively grown for New York and Philadelphia markets, where it sells at high prices, owing to its fine size and regularity. Although of Southern origin, it is equally well adapted to the North. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c. **ROOTS**, same price as Barr's Philadelphia Mammoth.

Conover's Colossal Asparagus

A well-known old standard variety. **Prices of Seed:** Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c. **SPLENDID STRONG ROOTS**, 1 year old, 50c. per 100 (by mail, postpaid, 75c. per 100); \$4.00 per 1,000; 2 years old, 60c. per 100; \$4.50 per 1,000.



BEANS—Dwarf Green Podded Snap Short

One quart will plant one hundred feet of drill, two bushels will plant an acre in drills

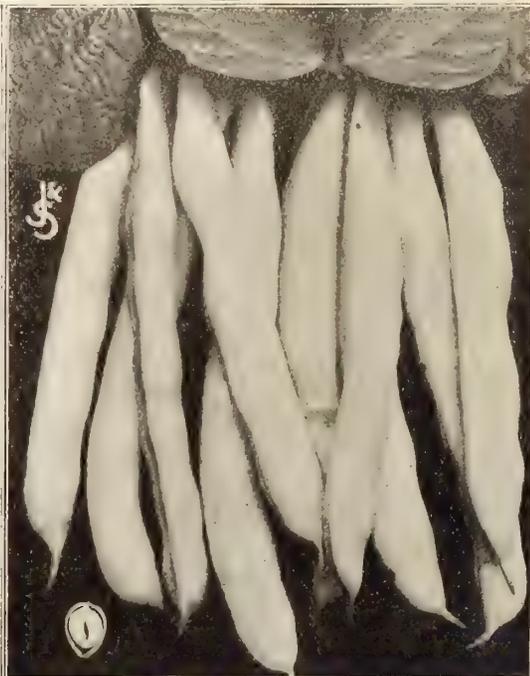
Large, full-sized packets of any variety of Beans, 5c. each.
Half pecks and half bushels supplied at peck and bushel rates.

Improved Round Pod Red Speckled Valentine. Finest strain . . .
Refugee or Thousand to One. Medium early, hardy, productive . . .
New Extra Early Refugee. Two weeks earlier than the old Refugee, . . .
Stringless Green Pod. Extra early and of very fine quality . . .
Early Mohawk. Very early and hardy; long, flat, straight pods . . .
Long Yellow Six Weeks. Early, with full, flat green pods . . .
Early China Red Eye. Very early old standard sort . . .

By Mail, Postpaid.		By Express or Freight.		
Pint.	Qt.	Qt.	Peck	Bush.
\$0 20	\$0 35	\$0 20	\$1 25	\$4 75
20	35	20	1 25	4 75
20	35	20	1 35	5 00
20	35	20	1 35	5 00
20	35	20	1 15	4 25
20	35	20	1 15	4 25
20	35	20	1 10	4 00



NEW GIANT GREEN POD STRINGLESS VALENTINE BEAN. Earlier, more prolific, with pods $\frac{1}{2}$ larger than Valentine. Pkt., 10c.; pint, 25c.; qt., 40c., by mail, postpaid. By express or freight, qt., 25c.; peck, \$1.50; bush., \$5.75.



CURRIE'S RUST-PROOF BLACK WAX BEAN. Extremely early, large pods. The best Wax Bean for market and shipping. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by freight or express, qt., 30c.; peck, \$1.75; bush., \$6.75.

DWARF WAX PODDED SNAP SHORT BEANS

Half pecks and half bushels will be supplied at peck and bushel rates. Seed of many varieties of Wax Beans is again a very short crop this season, and early orders are advisable.

New Round Pod Kidney Wax. See Novelties, page 2 . . .
Golden Wax. The well-known old sort; popular for market . . .
Grennell's Improved Rust-Proof Golden Wax. Very superior . . .
New Valentine Wax. One of the earliest wax beans; pods round . . .
Wardwell's Kidney Wax. Very popular, long, broad, flat pods . . .
Davis Kidney Wax. A new white-seeded bean. Long, oval pods . . .
Keeney's Improved Refugee Wax. (New.) A decided improvement, . . .
Dwarf German Black Wax, or Butter. Well-known old sort . . .
New Prolific German or Cylinder Wax. Very early and prolific . . .
Keeney's Pencil Pod Black Wax. New, round, full and stringless, . . .
Fuller's Ringleader. (New.) The best Black Wax yet introduced, . . .
Golden-Eyed Wax. Early, hardy and prolific; popular market sort, . . .
Scarlet Flageolet Wax. Early, very large, flat, stringless pods . . .
Violet, or Perfection Wax. Large, handsome pods, very showy . . .

By Mail, Postpaid.		By Express or Freight.		
Pint.	Qt.	Qt.	Peck	Bush.
\$0 30	\$0 50	\$0 35	\$2 00	\$7 50
25	45	30	1 75	6 75
25	45	30	1 75	6 75
25	45	30		
30	50	35		
25	45	30		
25	45	30	1 75	6 75
25	45	30	1 75	6 50
25	45	30	1 75	6 75
25	45	30	1 75	6 75
30	50	35	2 00	7 50
25	40	25	1 60	6 00
25	45	30	1 85	7 00
25	45	30	1 85	7 00



THE BEST of the DWARF OR BUSH LIMA BEANS

NEW WONDER BUSH LIMA

Largest in size and best of all.

The **New Wonder** is the earliest, dwarfest and most prolific of the whole class of Bush Limas. A decided improvement on the original type of Burpee's Bush Lima, being larger in size, more hardy and prolific. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$1.85; bush., \$7.00.

Dreer's or Kumerle Bush Lima

Possesses all the good qualities of the **Dreer's Improved or Challenger Pole Lima**, growing vigorously about two feet high and showing no disposition whatever to run. It produces pods in great abundance. The beans grow close together, four and sometimes five in a pod, and are thick, sweet and succulent. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$1.85; bush., \$7.00.

Dwarf White or Burpee Bush

The true bush form of the old large Lima Pole Bean and most popular of the class. It grows vigorously to a height of twenty inches. Pint, 25c.; qt., 40c., postpaid; by express or freight, qt., 25c.; peck, \$1.75; bush., \$6.50.

WOOD'S PROLIFIC BUSH LIMA

An "Improved Henderson Bush Lima."

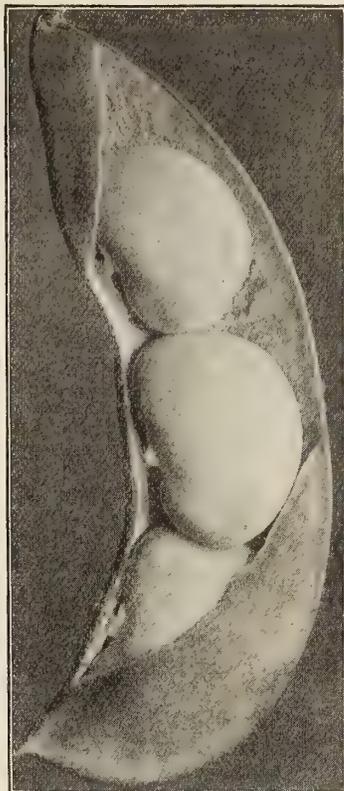
Earlier than the Burpee's Bush Lima, but somewhat smaller in size of bean. Making a larger growth than others; stems are loaded down with beans in great clusters. Pkt., 10c.; qt., 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$2.00; bush., \$7.50.

Henderson's, or Dwarf Sieva Lima

Size of the small Southern or Sieva Lima. Enormously productive. Pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$2.00; bush., \$7.50.



DREER'S OR KUMERLE BUSH LIMA. POD NATURAL SIZE.



NEW WONDER BUSH LIMA. PODS NATURAL SIZE.

BEANS—WHITE SHELLING VARIETIES

Large packets, 5c. each.

Half pecks and half bushels supplied at peck and bushel rates.

Day's Leafless Medium. Vine stands up well, grows abundant foliage, and previous to ripening, **the leaves fall off**, so that pod is exposed to the sun, so they ripen evenly. Matures in eighty days,

Burlingame Mediums. The leading field bean in New York . . .

White Navy or Pea Bean. A productive standard sort . . .

Royal Dwarf or White Kidney. Very productive, fine for baking,

White Marrowfat. Well known; extensively grown for winter . . .

By Mail, Postpaid.		By Express or Freight.		
Pint.	Qt.	Qt.	Peck.	Bush.
\$0 20	\$0 35	\$0 20	\$1 15	\$4 25
20	35	20	1 10	4 00
20	35	20	1 09	3 50
20	35	20	1 10	4 00
20	35	20	1 00	3 75

THE CREAM OF THE POLE OR RUNNING BEANS

Half pecks and half bushels will be supplied at peck and bushel rates. Large packets of any variety of Pole Beans, 5c. each.

New Golden Andalusia Wax. Most productive and profitable of all the pole wax varieties; pods, 5 to 6 inches long; broad, fleshy and stringless, surpassing all others in quality; come early and continue to bear profusely the entire season; beans pure white,

Early Golden Cluster Wax. Early, large, flat fleshy yellow pods,

Lazy Wife's. Best and largest Green Podded Snap Short Pole Bean, produced in large clusters; pods broad, thick, fleshy and stringless,

White Crease Back or Fat Horse. One of the earliest Round Pod,

Improved Kentucky Wonder or Old Homestead. Very long, round, straight pods; early, entirely stringless, very productive.

Southern Prolific. Continuous bearer, giving snap shorts in 80 days,

Speckled Cut Short or Corn Hill. Best for planting among corn.

Dutch Case Knife and Horticultural or Wren's Egg. Each . . .

By Mail, Postpaid.		By Express or Freight.		
Pint.	Qt.	Qt.	Peck.	Bush.
\$0 25	\$0 45	\$0 30	\$2 00	\$7 75
25	45	30	1 90	7 25
25	45	30	1 60	6 00
25	40	25	1 50	5 50
25	45	30	1 75	6 75
25	40	25	1 50	5 25
25	40	25	1 50	5 25
25	40	25	1 50	5 75



New Jersey Grown Pole Lima Beans

WHY THEY ARE THE BEST

For nearly half a century Southern New Jersey has had the reputation, and deservedly so, of growing the finest Lima Beans in the United States, the product being eagerly sought after by Boston, New York, Philadelphia and other Eastern cities, for both seed and consumption. For some years past, however, most all seedsmen have been growing their supplies in Southern California, where they are grown very cheaply and without poles. We have made hundreds of tests of various Limas from California seed, and find the product much inferior in both quality and productiveness to those grown in New Jersey. It is also difficult to get them to take the poles, owing to the method by which they are grown, while the beans are smaller and lack the rich, buttery flavor peculiar to the New Jersey Limas.

Twenty quarts of Pole Limas are required to plant an acre in hills four by four feet. We sell **Large Packets of each variety, 10c. each, postpaid.** Pints, when sent by freight or express, at half the quart rates; half peck and half bushel at peck and bushel rates.

Ford's Mammoth Podded Pole Lima Bean

This Lima Bean is the result of over twenty years' selection by the late Jas. Ford, who was one of the oldest market gardeners around Philadelphia. The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. **Ford's Mammoth Podded** is, without exception, the **largest podded, finest flavored and most productive of all Lima Beans.** Pkt., 10c.; pint, 30c.; qt., 55c., postpaid; by freight or express, pint, 20c.; qt., 40c.; 2 qts., 70c.; peck, \$2.00; bush., \$7.50.

SEIBERT'S EARLY LIMA. This new variety is one of the very earliest. The vine is very vigorous and productive. Pods are large but thin, and can be more easily opened than those of other varieties. The green beans are very large, handsome and of the best quality. In earliness, ease of shelling, size, beauty and quality of the green beans, this variety is superior, and is now recognized as one of the best for either the garden or market. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by freight or express, qt., 30c.; peck, \$1.75; bush., \$6.50.

JERSEY EXTRA EARLY LIMA. The pods are large and numerous, invariably having from four to five beans in each. These beans appear in Philadelphia markets nearly two weeks ahead of ordinary Limas, selling at from \$3.00 to \$4.00 per bushel of pods, and, previous to the introduction of Seibert's Early, were considered the earliest. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by freight or express, qt., 30c.; peck, \$1.75; bush., \$6.50.

STOKES' EVERGREEN LIMA. The Stokes' Evergreen not only holds the full size and great productiveness of the Salem Mammoth, but has the remarkable additional quality of holding, in all stages of growth, and even when dry and shelled, the deep green color of the unripe state, giving the appearance of beans fresh from the vine when cooked. Pkt., 10c.; pint, 35c.; qt., 65c., postpaid; by express, qt., 50c.; peck, \$2.75.

KING OF THE GARDEN

LIMA. More prolific than the ordinary Lima, bearing pods five to six inches long in clusters of four and five, with five to six beans in a pod. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$1.75; bush., \$6.50.

SALEM IMPROVED LIMA. A selection from the large Lima Bean, of extraordinary size and deep green color. Pint, 30c.; qt., 55c., postpaid; by freight or express, qt., 40c.; peck, \$2.00; bush., \$7.75.

LARGE WHITE LIMA. (Extra Selected Size.) The well-known favorite. Our strain is fine. Pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$1.60; bush., \$6.00.

DREER'S IMPROVED CHALLENGER or POTATO POLE LIMA. When green, is as large as the Large Lima. Thicker, sweeter and more tender and nutritious, remaining green in the pod for a long time after maturing. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by express or freight, qt., 30c.; peck, \$1.75; bush., \$6.50.

Shotwell's Improved Thick Pole Lima Bean

Originated by one of the best and most experienced growers of Northern New Jersey. It is as large as the Potato Lima class, but will be found a decided improvement on the Drear's Improved Pole Lima or any other bean of its class in earliness, productiveness and fine quality. All claims made for it have been fully substantiated by hundreds of our customers who tried it in past seasons, and we regret we have not room here to publish the many strong recommendations received from them. Pkt., 10c.; pint, 35c.; qt., 65c., postpaid; by freight or express, qt., 50c.; peck, \$2.25; bush., \$8.50.



SHOTWELL'S IMPROVED THICK POLE LIMA BEAN.



CROSBY'S IMPROVED EGYPTIAN, THE EARLIEST BEET.



PHOTOGRAPH OF THE NEW RUBY DULCET BEET.

CROSBY'S IMPROVED EGYPTIAN BEET

Still in the lead as the best Extra Early Blood Turnip Beet for market or home table. It retains its superior quality and does not become woody and tasteless, like the old Egyptian, when allowed to stand too long, and may be sown outside as late as July. Crosby's Egyptian Beet, as originated and selected by Mr. Crosby, is a very shy seeder, and the genuine seed from seed stock grown and selected by the originator himself cannot be obtained at a lower price than here offered. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid; by express, lb., 90c.; 5 lbs. and over, 85c. per lb.

Ruby Dulcet Beet

We were the first seedsmen to introduce in America this valuable new beet, which is receiving the highest praise from all gardeners who have grown it. They grow to good size, very free from fibrous rootlets, with a slender tap-root, and absolutely free from stringiness. Foliage small and of a rich bronze purple. The skin and flesh are a deep, rich purplish crimson, fine grained, sweet and tender in all stages of growth. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

GARDEN BEETS—A Select List of the Best

One ounce of seed will sow sixty feet of drill, five pounds will sow an acre in drills

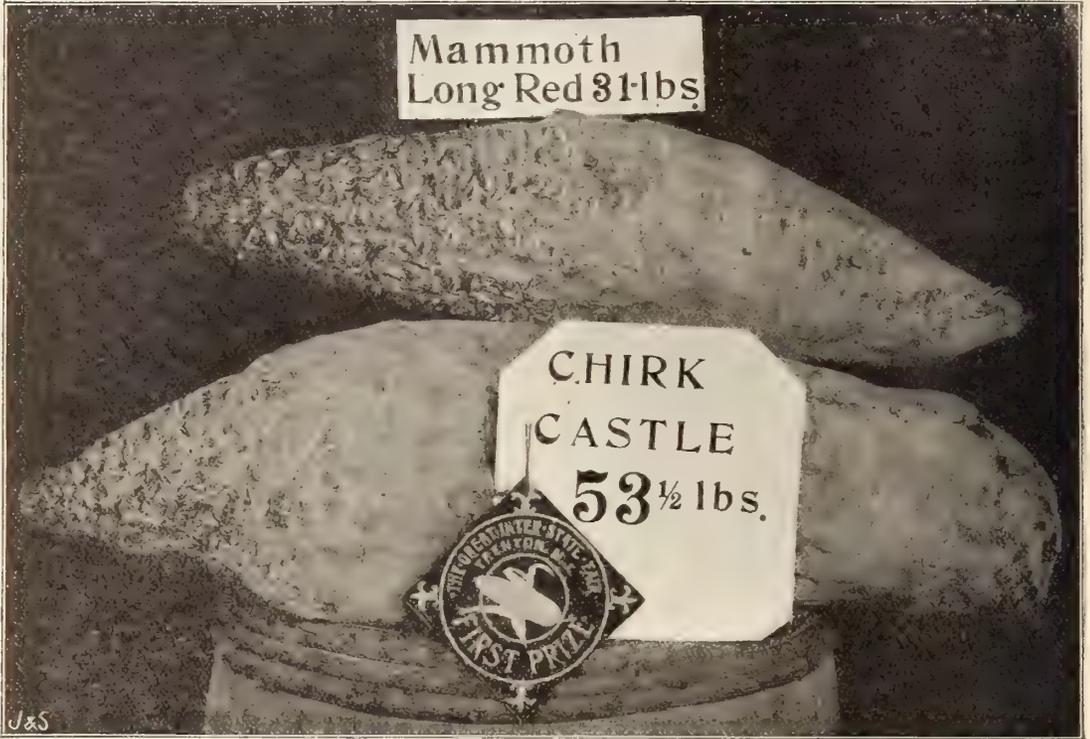
All varieties in regular large-sized packets, at 5c. per packet.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Lannier's Superba (Novelty 1904). Fine shape, rich red, very sweet. See page 3,	\$0 20	\$0 60	\$2 00
Extra Early Egyptian Blood Turnip. A standard early sort with small top . . .	10	20	50
Johnson & Stokes' Surprise. Extra early, small top, splendid shape and color . . .	10	30	90
Improved Eclipse. A fine round beet of first quality; very early, greatly improved,	10	25	75
New Meteor. Fine round shape, skin dark blood-red, flesh red, very sweet . . .	10	30	90
New Columbia. (Carter's Excelsior.) Round, smooth, deep red flesh	10	20	65
Arlington Favorite. Very early and handsome Blood Turnip with dark leaves . .	10	20	60
Lentz Extra Early Blood Turnip. First introduced by us—original stock	10	20	50
Bastian's Extra Early Blood Turnip. Very early and popular, small top	10	20	50
Early Bassano. Quite early, very sweet, light-colored flesh, fine form	10	20	50
Detroit Dark Red Turnip. Of fine dark color and form; splendid for market . .	10	20	50
Dark Stinson. Very popular with Philadelphia gardeners, good for winter	10	20	50
Edmand's Early Red Turnip. Fine medium early, deep red, very uniform	10	20	50
Bastian's Half-Long Blood. One of the most popular winter keepers	10	20	50
Ford's Perfected Half-Long. An improvement on the above; better shape; by far the handsomest and best half-long beet for winter use	10	25	80
Long Smooth Blood Red. An excellent, large, very late sort	10	20	50
Swiss Chard or Silver. Cultivated for leaves, which are used as greens	10	20	55



MANGEL-WURZEL AND SUGAR CATTLE BEETS

We strongly recommend the Mangels and Sugar Beets for feeding to cattle, sheep and swine. The roots grow to a very large size, make a much heavier yield than Turnips, and are more nutritious and fattening for food during the winter, largely increasing the yield of milk in cows. They can be grown at trifling cost. The seed should be sown during April or May, in rows 2½ to 3 feet apart, at the rate of five pounds per acre. When the plants are 2 or 3 inches high, thin or cut out with the hoe to 10 or 12 inches apart. The roots should be harvested before frost and stored in pits or cellars.



Photograph of Prize Chirk Castle Mangel in comparison with the largest Improved Mammoth Long Red, both specimens grown in same field, with same cultivation. We believe this specimen to be the largest Mangel ever grown in America.

THE CHIRK CASTLE MANGEL-WURZEL BEET

Remarkable for its handsome, thick, uniform shape and very broad shoulders, its diameter being greater and its weight much heavier than Mammoth Long Red, as shown in our photograph above. Flesh is deep red, containing less water and more sugar than any other Mangel, making it more nutritious and milk-producing. Sheep also thrive better when fed on it, picking out pieces of it in preference to other kinds. It was originated in Scotland, where it has been known to produce 60 tons to the acre. Pkt., 10c.; oz., 15c.; ¼ lb., 25c.; lb., 75c., postpaid; by freight or express, lb., 65c.; 5 lbs. (enough for one acre), \$3.00; 10 lbs. and over at 50c. per lb.

All the following varieties of Mangel-Wurzel and Sugar Beets are put up in regular large-sized packets, each at 5c. per packet.

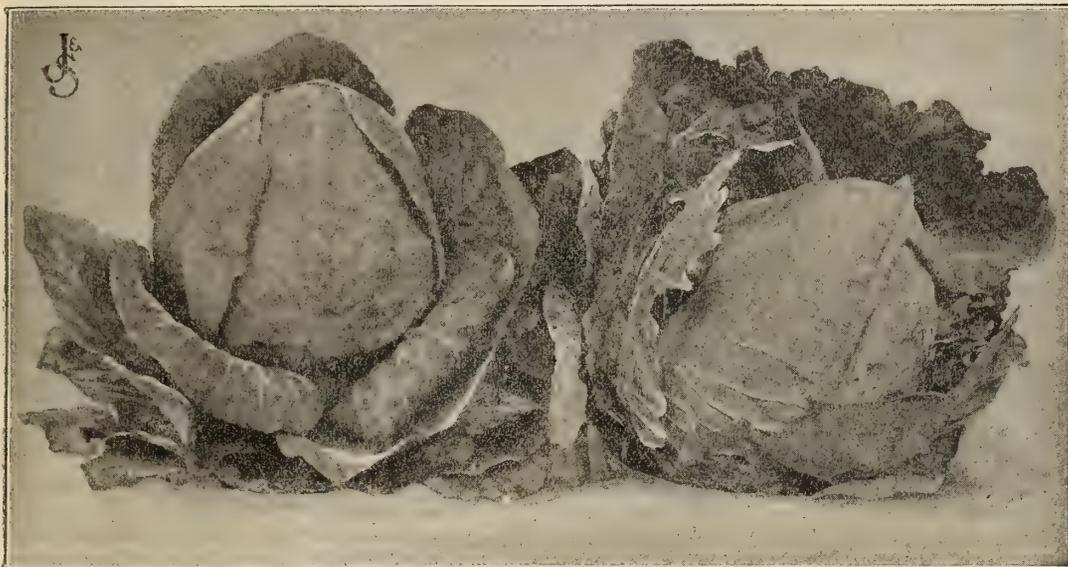
If ordered to be sent by mail, add 10c. per lb. for postage. When purchased in 5-lb. lots, 5c. per lb. may be deducted.

	Per oz.	¼ lb.	Per lb.
Mammoth Long Red Mangel. Sometimes called Jumbo, Norbitan, Giant, and Colossal. Extensively grown for stock feeding	\$0 10	\$0 15	\$0 30
Taber's Gate Post Mangel. The most useful, largest and best yellow, often weighing 40 lbs. and over, and producing 2,000 to 2,500 bushels to the acre . . .	10	20	50
Golden Giant Intermediate (Yellow Leviathan Mangel). Grows more than half above ground; flesh white, firm, sweet	10	15	30
New Golden Yellow Mammoth Mangel. Form and size resembles Red Mammoth; flesh golden yellow, large and very productive	10	20	45
Champion Yellow or Orange Globe. Heavy cropper; succeeds on light land . . .	10	15	30
Golden Tankard Mangel. Broader than Mammoth Long Red; hardy and early . .	10	15	30
Giant Half Sugar Rose. A cross of the Mammoth Red Mangel and Improved Sugar Beet, containing more sugar than other Mangels; root large, long and smooth, and of a beautiful light rose tint; fine quality and a heavy cropper . .	10	20	45
Improved Klein Wanzleben Sugar Beet. Possesses the highest sugar-producing qualities. A very fine and shapely root	10	15	30
Lane's Improved Imperial. An improvement on the French Sugar Beet. Hardier, more productive, yielding thirty-five to forty tons per acre	10	15	30
Red Top White Sugar Beet. The old variety, largely grown for stock feeding . .	10	15	30



High-Bred American Grown Cabbage Seed

To gardeners generally no vegetable is of greater importance than the cabbage; and to many growers the success or failure of this crop means gain or loss for the year. It does not pay, therefore, to take any risks in buying seed. Much of the seed commonly sold has not had the great care necessary in growing to make it reliable. Our Cabbage Seed is the very best that can be grown, raised only from the centre shoots and from carefully selected solid heads. Our crops are all personally inspected with untiring care and watchfulness. As a standing evidence of its quality, we annually supply hundreds of the best market gardeners about Philadelphia, New York, Chicago and other large cities.



JOHNSON & STOKES' EARLY JERSEY WAKEFIELD.

JOHNSON & STOKES' EARLIEST CABBAGE.

JOHNSON & STOKES' EARLIEST The Earliest and Hardest Heading of all First Early Cabbages

No words of praise can be written that would recommend this most desirable cabbage too highly. It is to-day more largely planted by market and private gardeners than any other first early cabbage.

It is **ten days earlier** than Early Jersey Wakefield, and is **unsurpassed in fine quality**, great beauty and vigor of growth. The heads are slightly conical, large, solid and remarkably uniform in growth. Prices, pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50; 2 lbs., \$8.50; 5 lbs. and over, \$4.00 per lb.

Johnson & Stokes' Selected Early Jersey Wakefield Cabbage

While this sort is not so early as Johnson & Stokes' Earliest, it will be found to be the very best conical-headed sort to come in immediately after it. It heads up remarkably hard and solid, with but few outside leaves, which are unusually thick and heavy, enabling it to stand cold weather without injury when carried through the winter either in the open ground in the South or in cold frames in the North. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

An Ideal List of Early and Summer CABBAGES

Large packets of following varieties, 10 cents each, except where noted:

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Earliest Etampes. An extra early small French sort, with pointed heads; pkt., 5c.,	\$0 15	\$0 40	\$1 40
Extra Early Express. Earliest of French cabbages; small pointed heads; pkt., 5c.,	15	45	1 65
Wonderful. One of the earliest American sorts; heads small and loose	30	85	3 00
Early Spring. A new round, flat-headed cabbage, as early as Jersey Wakefield,	20	65	2 25
Charleston or Large Wakefield. About a week later than Jersey Wakefield . .	25	75	2 75
Foremost German. (Novelty 1901.) Very handsome; matures early, with fine large solid white heads; the best foreign cabbage ever introduced in America,	30	85	3 00
Early Winningstadt. (Grown from Prussian Prize Stock.) Those intending to plant this variety will find our strain far superior in earliness, size and solidity,	20	60	2 00
Early Winningstadt. Best imported seed as generally sold by others; pkt., 5c.,	15	40	1 40
All Head Early. A flat head, coming in with Early Summer; much larger . . .	20	60	2 00
Early Flat Dutch. We offer a remarkably fine strain; a sure solid header	20	60	2 00
Henderson's Early Summer. A most popular and superior second early sort . .	20	65	2 25
All Seasons (Vandergaw). One of the finest, growing to a large size quickly . .	20	60	2 00
Henderson's Succession. An excellent second early; on style of All Seasons .	20	65	2 25
Louisville Early Drumhead. Dark, bluish-green color; popular in the southwest,	20	50	1 75
Fottler's Improved Flat Brunswick. Large, solid heads; fine for early or late,	20	50	1 75



JOHNSON & STOKES' MARKET GARDENERS' NO. 2, THE MOST PERFECT CABBAGE IN EXISTENCE.

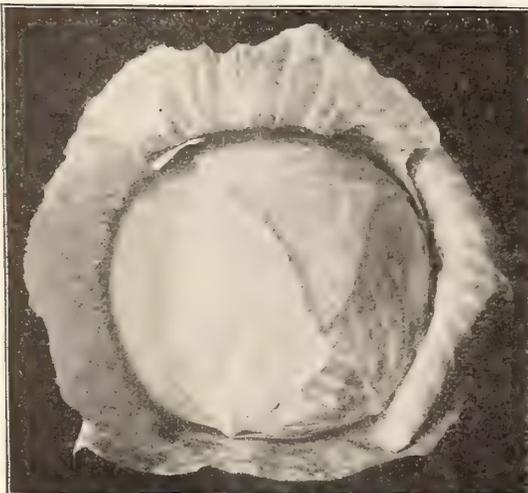
JOHNSON & STOKES' Market Gardeners' Cabbage No. 2

A Flat-Headed Cabbage, Coming in with Wakefield and Producing Double the Crop of any other Extra Early

In this, the most perfect and uniform cabbage in existence, we have also the **earliest and most compact of all large cabbages**. It receives nothing but praise from Maine to California, and is pronounced by prominent gardeners everywhere the very best of all large early cabbages, either for Summer or Winter use. In it we have a cabbage so hardy and vigorous that it can be set earlier than Jersey Wakefield or Early Summer, and will produce fine, solid, marketable heads, more than twice as large as Jersey Wakefield and one-half again as large as Early Summer and comes in as early as Large Wakefield and fully a week earlier than Early Summer or any other variety of its size or class. When planted for a Fall or Winter crop there is no other cabbage which will withstand the Summer sun so well and is so sure to form large, deep, solid heads which keep perfectly all Winter. Choicest seed of our own selection and growth: Pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50; 5 lbs. and over, \$4.00 per lb.

Johnson & Stokes' Quick-Cash Cabbage

The Earliest and Hardest Flat-Headed Cabbage. See Novelties, Page 4



DANISH BALL-HEAD CABBAGE.

DANISH BALL-HEAD CABBAGE

Genuine Seed Grown by Originator in Denmark

An extremely hardy imported cabbage, which is growing in popularity in America, having proven one of our best Winter sorts. It thrives well on thin soils and in highly exposed situations. The heads are of good marketable size, not quite so large as Flat Dutch, but very hard, round, fine grained, and will weigh one-fourth more than other varieties of equal size. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25; 2 lbs. for \$4.00.

NEW EARLY

DANISH ROUND-HEAD CABBAGE

A new strain of the popular **Danish Ball-Head Cabbage**, with heads fully as large and solid, maturing about ten days earlier. The stem is shorter, while the hardness of heads is really marvelous. We offer seed grown for us by the introducer, in Denmark: Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.



LOUDERBACK'S ALL THE YEAR ROUND CABBAGE.—Unflagging under the hottest sun or heaviest frost.

Louderback's All the Year Round Cabbage

This cabbage, originated by Daniel Louderback, has for many years been the standard early round-headed cabbage with Philadelphia gardeners, who prefer it to Early Summer and similar sorts, the originator frequently getting as high as \$10.00 per pound for his seed. It is not only the finest early Drumhead in cultivation, but is equally as good for **second and third early, intermediate and late.** Heading large, compact and solid at all seasons. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Johnson & Stokes' Hard Heading Savoy

The best and most profitable strain to grow, being far superior to the Imported Drumhead Savoy, as generally sold, the seed of which can be supplied at less than half the price. The heads are large, very uniform, solid and of deep green color. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.



AN AVERAGE HEAD OF HOUSER CABBAGE.

The Houser Cabbage

This new cabbage originated near Harrisburg with the successful market gardener whose name it bears. Mr. J. M. Lupton, the noted cabbage seed grower of Long Island, writes of it as follows: "The **Houser Cabbage** is entirely distinct from anything I have ever grown or anything now on the market. It is fully two weeks later than other sorts and a very hard header. It is a first-class keeper, retaining its color to a marked degree." Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.



JOHNSON & STOKES' HARD HEADING SAVOY CABBAGE.



Johnson & Stokes' Matchless Late Flat Dutch Cabbage

The largest, handsomest, most uniform and solidest of all late sorts, pronounced by experienced cabbage growers the finest strain of late cabbage in the world. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

An Ideal List of Standard Late or Winter CABBAGES

All varieties in regular large-sized packets at 10c. per packet.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Surehead. (Original seed.) Strong, vigorous; very uniform; large and solid . . .	\$0 20	\$0 50	\$1 75
Rockhead Winter. Large, perfect shape, sure header and long keeper . . .	30	75	2 75
Worm-proof Hardiana (Novelty 1904). See illustration and description, page 5, . . .	70	2 25	8 00
Autumn King, or World Beater. A new strain; enormous solid heads . . .	20	60	2 00
The Lupton. Earlier than Flat Dutch; of closer growth; a large sure header . . .	20	60	2 00
Hollander, or German Export. Heads solid; medium size; white; very distinct, . . .	20	60	2 00
Diamond Winter. Heads extra hard and solid, somewhat flattened; medium . . .	30	75	2 75
Carolina Hard Header. Large, round, solid heads; popular in the South . . .	25	75	2 50
Short Stem Drumhead. Surpasses the old Late Drumhead, ripening earlier . . .	20	60	2 00
Large Late Drumhead. Old favorite winter sort; valuable for main crop . . .	15	40	1 40
Premium Flat Dutch. Largely grown for main crop; a favorite for winter market, . . .	15	40	1 40
Long Island Colossal Savoy. New, large, hard heads of finest quality . . .	35	1 00	3 50
Perfection Drumhead Savoy. Large, loose heads, nearly round; fine quality . . .	20	50	1 75
Improved Red Dutch Erfurt. Very hard heads; deep blood color; for pickling, . . .	20	50	1 75
Mammoth Red Rock. Largest, hardest heading and best red cabbage . . .	20	60	2 00



PHOTOGRAPH OF TWO AVERAGE HEADS OF JOHNSON & STOKES' EARLY ALABASTER CAULIFLOWER TRIMMED FOR MARKET.

Johnson & Stokes' Early Alabaster Cauliflower

**EARLIEST OF ALL
EASIEST GROWN
SUREST HEADER**

This is not only the earliest, but is the finest cauliflower in the world, and it is so pronounced by all growers who have had it. It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It succeeds everywhere, is a **sure header**, every plant forming a large, solid, perfect head, of the finest table quality. Our seed of the **Early Alabaster is American grown**, thoroughly acclimated, and from it a crop of cauliflower can be grown as easily as a crop of cabbage, and with greater profit. Pkt., 25c.; 5 pkts., \$1.00; $\frac{1}{2}$ oz., \$2.50; oz., \$5.00; $\frac{1}{4}$ lb., \$16.00.

CAULIFLOWER

One ounce will produce about fifteen hundred plants and sow about forty square feet. One-half ounces and one-half pounds furnished at ounce and pound rates.

	Per pkt.	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Gilt Edge Early Snowball. Extra fine stock. For forcing under glass during Winter and early Spring, or for planting later in the open ground, no stock of Snowball can surpass it	\$0 25	\$2 50	\$8 00	\$30 00
Extra Early Dwarf Erfurt (Extra Selected). For forcing or open ground Denmark, or Dry Weather. Almost as early as Snowball, with larger heads; succeeds everywhere; finest imported Danish seed	25	2 50	8 00	30 00
Extra Early Paris. Heads of medium size; first-class, sure header	10	70	2 25	8 00
Lenormand Short Stem. Has very large heads; white, firm and late	10	65	2 00	7 50
Large Algiers. Market gardeners' popular late sort; enormous size	10	70	2 25	8 00
Veitch's Autumn Giant. Vigorous in growth, very large and late	10	60	1 75	6 00

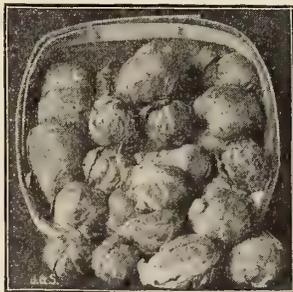
BRUSSELS SPROUTS

A Miniature Cabbage Growing on Stalks, Equal to Cauliflower in Flavor

If more widely known, the Brussels Sprout would be as popular as it is valuable; few people appreciate its full worth as a Winter vegetable. It is harder than cabbage and not the least affected by frost.

IMPROVED HALF-DWARF, or PARIS MARKET. The most productive and hardest variety, bearing fine, handsome, solid sprouts, growing closely on the stalk and of finest quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.60.

LONG ISLAND STRAIN. Compact sprouts, largely grown for New York markets. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.



BRUSSELS SPROUTS.

CHICORY

The roots dug in the Fall, dried, cut in thin slices, roasted and ground, are used largely as a substitute for coffee. The leaves make a good Spring salad.

LARGE ROOTED, or COFFEE. The chicory of commerce; the best. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CHIVES

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops. Planted in clumps in any garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in Spring, and can be cut throughout the season. Roots, per bunch, 25c. by mail, postpaid.

COLLARDS (COLEWORT)

Collards are largely used as "greens" in some parts of the country, especially South. They are a form of the cabbage, bearing new leaves as the old ones are pulled off.

GEORGIA. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

JOHNSON & STOKES' EVERGREEN VELVET LAWN SEED MIXTURE

is the Best Lawn Grass Seed for the American Climate. With it you can renovate old and make new lawns, grass plots, tennis courts, golf links, etc., as soft as velvet and as green as emerald, insuring a beautiful, dwarf, green, compact sward, remaining green and fresh throughout the season. See page 66. Quart, 20c.; 2 quarts, 35c. (qt., postpaid, 25c.); peck, \$1.00; bushel, 20 lbs., \$4.00.



The Three Best Carrots for Market or Home Garden



IMPROVED DANVERS.

NICHOLS' LONG ORANGE.

RUBICON HALF-LONG.

CARROTS—For the Table and Stock Feeding.

One ounce will sow about one hundred and twenty-five feet of drill; four pounds will sow an acre.

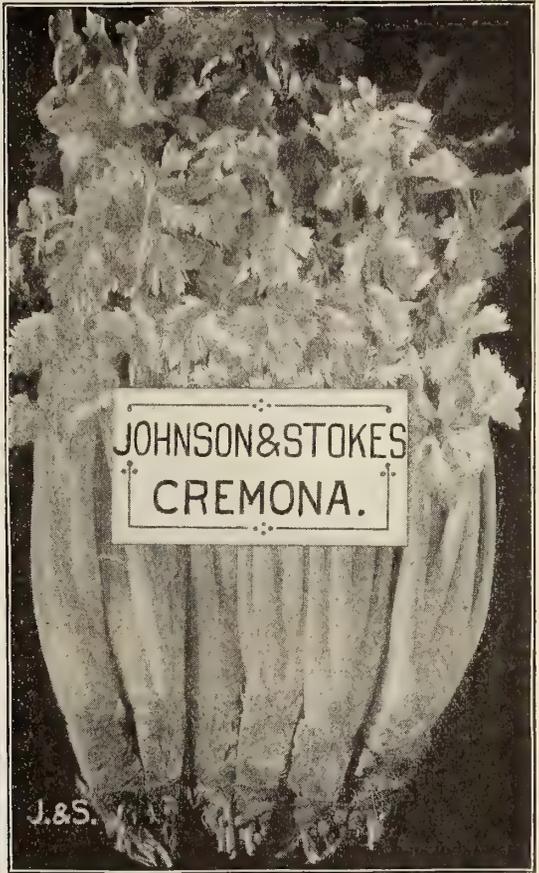
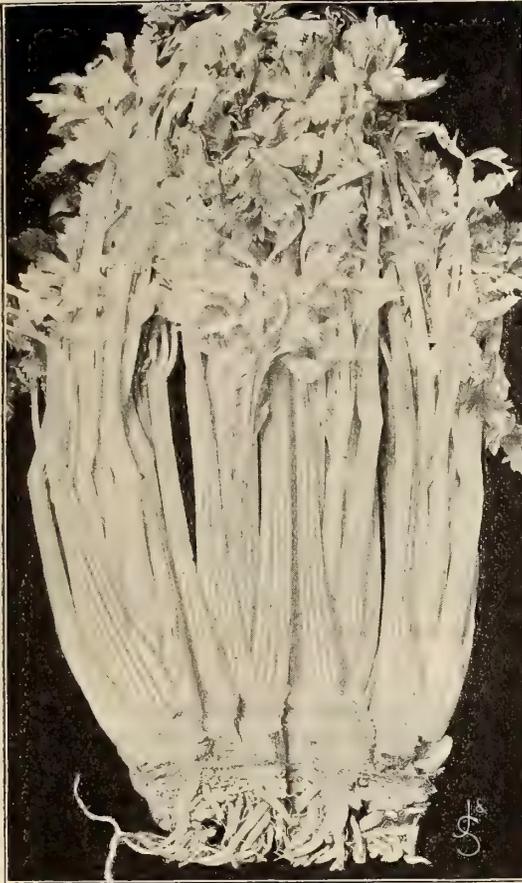
All varieties in regular large-sized packets at 5c. per packet.

	Per oz.	1/4 lb.	Per lb.
Rubicon Half-Long Orange. The best and most popular half-long carrot. Earlier than Danvers, heavier and thicker at the shoulders, as shown in our photograph above, making it more productive; the leaves are also shorter and finer. A wonderfully heavy cropper, producing 30 to 40 tons to the acre under good culture (5 lbs. and over, \$1.00 per lb., by freight or express)	\$0 15	\$0 35	\$1 10
Improved Danvers. (Improved American strain.) Top small; color rich orange; shape, <i>handsome and smooth</i> ; superior quality; valuable also to grow for feeding stock, being well adapted to all soils (5 lbs. for \$3.50 by express),	10	25	75
Nichols' Long Orange. Much earlier than the old Long Orange, with shorter top; color deep golden orange when young, shading to a deep orange red when fully grown. Perfectly smooth and grows without neck (5 lbs. and over, \$1.00 per lb., by express or freight)	15	35	1 10
Early Scarlet Horn. (Short Horn.) Old standard and favorite early sort . . .	10	25	85
Ox-Heart, or Guerande. Early, short, thick, very smooth and handsome . . .	10	25	85
Early Half-Long Scarlet, Pointed. Very productive and handsome, fine quality,	10	30	90
New French Market. (French Seed.) Fine deep orange color, beautiful, smooth, distinct, half-long shape, free from core. Heavy cropper and a great keeper,	15	35	1 20
Chantenay. (Stump-rooted.) Similar to the old French Nantes carrot	10	30	90
Saint Vallery, or Intermediate Red. Rich red color, late, thick and smooth .	10	30	90
Long Orange. (Improved.) Well-known standard sort (5 lbs., \$3.00, by express),	10	25	65
Large White Belgian. For cattle feeding; very productive and large	5	15	50
Large Yellow Belgian. Differing from above in color; a fine late keeper . . .	10	20	60

SPECIAL GRASS SEED MIXTURES FOR PASTURES AND MOWING LANDS SOW TWO AND ONE-HALF BUSHELS TO THE ACRE

Johnson & Stokes' No. 1 Mixture for Permanent Pasture.—Contains, blended in proper proportions for the purpose, the following grasses: Orchard Grass, Sheep's Fescue, Meadow Fescue, Hard Fescue, Canadian Blue, Sweet Vernal, Meadow Foxtail, Tall Meadow Oat, Red Top, Kentucky Blue, Italian Rye Grass, Perennial Rye Grass, Rhode Island Bent, Timothy, Wood Meadow, Rough-Stalked Meadow, Alsike Clover, White Clover, Mammoth Clover. Bushel, \$2.50; 10 bushels, \$22.50, sacks included.

Johnson & Stokes' No. 2 Mixture for Permanent Mowing.—Contains, properly blended, according to condition of soil and climate: Red Top, Perennial Rye Grass, Orchard Grass, Timothy, Red Clover, Mammoth Clover, White Clover, Fine-Leaved Fescue, Rhode Island Bent, Rough-Stalked Meadow, Meadow Fescue, Meadow Foxtail. Bushel, \$2.50; 10 bushels, \$22.50, sacks included.



PARIS GOLDEN SELF-BLANCHING CELERY. (From French Seed.)

JOHNSON & STOKES' NEW CREMONA. Trimmed for Market.

Paris Golden Self-Blanching Celery

Seed Grown in France by the Originator

While we have annually had contracts with the originator of this grand celery in France, this is the first season we have been able to secure a good supply from this source. Market gardeners generally prefer the French-grown seed when obtainable. It is very early; entirely self-blanching, with large beautiful golden yellow heart; very crisp, solid and nutty. Pkt., 10c.; oz., 40c.; ¼ lb., \$1.15; lb., \$4.00.

Johnson & Stokes' Cremona Celery

The Best Late Keeping Winter Celery

A sport from our **Winter Queen**; established by five years' careful selection, partaking of all its best qualities, much handsomer in color and form, bleaching more quickly, requiring only about five or six days, and with but slight earthing up. Stalks are broad, thick, crisp and of superior flavor. It is the best late celery, being unsurpassed as a long keeper. Pkt., 15c.; oz., 45c.; ¼ lb., \$1.25; lb., \$4.50.

The Best of the Standard CELERIES

One ounce will produce about twenty-five hundred plants and sow about two hundred feet of row.

Large packets, 10 cents each, except where noted.

Perfect White Plume. Very early and extensively grown for market. Our extra selected and perfected market garden strain is entirely free from green celery found in most other strains of this important market sort; pkt., 5c. . . \$0 20

Myer's Quick Growing White Plume. See Novelties, page 6 . . . 45

Johnson & Stokes' Golden Self-Blanching (American Seed.) Pronounced by many growers the most profitable celery in cultivation, and many gardeners are now planting their entire crops with our superior strain of this variety. . . 35

Rose Ribbed Golden Self-Blanching (Golden Rose). Ribs assume a rosy hue, . . . 30

Giant Pascal. Popular green sort, very brittle, crisp and nutty in flavor; pkt., 5c., . . . 15

Winter Queen. The best late or winter keeper. Stout, thicker, heavier and containing more heart than any other celery. Ribs thick and very solid . . . 35

Perle le Grand. A new, large, green celery, for early and late use; pkt., 5c. . . 20

Golden Dwarf or Golden Heart. Fine, large, solid, waxy-golden heart; pkt., 5c., . . . 15

Perfection Heartwell. Large heart; superior quality; excellent for winter; pkt., 5c., . . . 20

Schumacher. Immense size; solid, crisp; firm golden-yellow heart . . . 25

Fin de Siecle. A fine selection from Schumacher; fine keeper and shipper . . . 25

Far Superior Many Heart. New late celery; fine keeper . . . 25

Evans' Triumph. A new large, solid green variety; very large ribs; pkt., 5c., . . . 15

Giant White Solid. Of tall, large size; very solid, pure white; pkt., 5c. . . 15

Soup or Flavoring Celery. (Old Seed.) Used for flavoring soups, stews, etc. . . 5

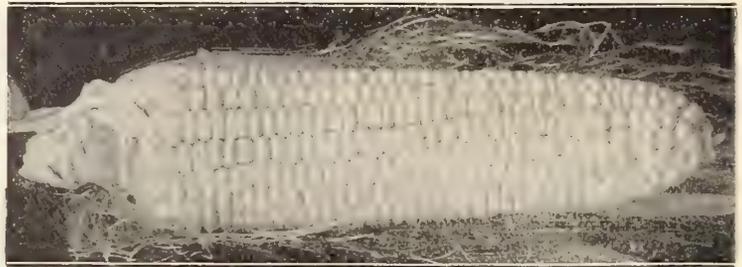
CELERIAC, or Turnip-Rooted Celery. Extra Large Smooth Prague. Pkt., 5c., . . . 20

Per oz.	¼ lb.	Per lb.
\$0 20	\$0 60	\$2 00
45	1 25	4 50
35	1 00	3 50
30	85	3 00
15	40	1 50
35	1 00	3 50
20	50	1 75
15	40	1 50
20	50	1 75
25	75	2 50
25	75	2 75
25	75	2 50
15	40	1 50
15	40	1 50
5	10	25
20	50	1 75



Holmes' Premo Sweet Corn

A very valuable new extra early variety, giving boiling ears in 60 days from planting. See Novelties, page 6. Pkt., 10c.; pint, 25c.; qt., 40c., postpaid; by express, qt., 30c.; peck, \$2.00.



AN EAR OF NEW BUCK MOUNTAIN IN PROPER CONDITION FOR BOILING.

New Buck Mountain The Earliest Table Corn in Cultivation

This valuable new table corn was originated at Stamford, Conn., where it has been monopolized by a few large sweet corn growers, who have made large profits in growing it for New York, Boston and other principal Eastern markets. In general appearance it resembles the celebrated Burlington Hybrid, first introduced by us several years ago, the grain being smooth and of a creamy white color; the ears, however, are not quite so large, but it is ready for the table a week earlier, making it decidedly the earliest table corn in cultivation. It is also extremely hardy, and can be planted with safety two or three weeks before any of the early sugar corns, and if pulled when young is very tender, sweet and juicy. The stalks grow five feet in height, and when on good ground give two to four good ears. Pkt., 10c.; pint, 25c.; qt., 45c., by mail, postage paid; by express or freight, qt., 35c.; peck, \$1.50; bush., \$5.50.

Selected Strains of SWEET CORN—Eastern Grown Seed

One quart will plant about two hundred hills, and one peck is required to plant an acre in hills.

SPECIAL NOTICE. In 25 years' experience growing Seeds, we have never known so near a complete crop failure as that of Seed Sweet Corn in 1903. The great amount of cold, wet weather in the East, where the best seed is grown, shortened the crop very materially, reducing many varieties to almost a failure. Prices by peck and bushel are subject to market changes and supplies being unsold.

Varieties are arranged in the order of maturity. Large packets, 5c. each; ears, 15c. each.	Postpaid.		By Express or Freight.		
	Pint.	Qt.	Qt.	Peck.	Bush.
STANDARD EXTRA EARLY VARIETIES					
Adams' Extra Early. Not sugar corn; small ears for early use . . .	\$0 20	\$0 30	\$0 20	\$0 85	\$3 00
Burlington Hybrid. Most profitable for market; resembles sweet corn; nearly as early as Adams', with ears as large as Evergreen; very prolific . . .	20	30	20	1 10	4 00
Early Cory. (Red Cob.) A very early variety, with fair-sized ears, . . .	25	40	30	1 50	5 75
First of All. A selection from Cory; ears medium size; tender . . .	25	40	30	1 50	5 75
Burbank's Early Maine. One of the earliest; large, white ears . . .	25	40	30	1 50	5 75
White Cory. Resembles ordinary Cory; but white cobs and grain, . . .	25	40	30	1 50	5 75
New Mammoth White Cory. A selection from above; larger ears, . . .	25	40	30	1 50	5 75
Minnesota. Nearly as early as Cory; of dwarf growth; ears white, . . .	25	40	30	1 50	5 50
New Early Champion. Ripens ahead of Crosby's; larger ears . . .	25	40	30	1 60	6 25
Kendel's Early Giant. Large, handsome ears; ready in 70 days . . .	25	40	30	1 60	6 25
Metropolitan. (New.) Grows vigorously; free from smut; fine, . . .	25	40	30	1 60	6 25
Crosby's Extra Early. Fair-sized ears; of excellent quality . . .	25	40	30	1 60	6 25
Perry's Hybrid. Very early and of large size; valuable for market, . . .	25	40	30	1 50	5 75
SECOND EARLY, or INTERMEDIATE VARIETIES					
Potter's Excelsior, or Squantum. Ears large and well filled out, . . .	25	45	35	1 75	} Prices by the bushel will be quoted by letter on application.
Shaker's Early. Very large, white grain; early and productive . . .	25	45	35	1 75	
The Honey. Husks and stalks deep red color; ears cream white . . .	30	50	40	2 00	
New Early Evergreen. Ears as large as Stowell's; 10 days earlier, . . .	25	45	35	1 75	
Early Mammoth or Asylum. Much earlier than Late Mammoth, . . .	30	50	40	2 00	
LATE, or GENERAL CROP VARIETIES					
Country Gentleman. One of the sweetest of all for home table . . .	30	50	40	2 00	} Prices by the bushel will be quoted by letter on application.
Ziz-Zag Evergreen. Good-sized ears, deliciously sweet . . .	30	50	40	2 00	
Shoe Peg, or Ne Plus Ultra. Small ears, with very irregular rows, . . .	30	50	40	2 00	
Stowell's Evergreen. Original stock as introduced by Mr. Stowell, . . .	30	50	40	2 00	
Black Mexican. Black grains, sweet and delicious, fine for home use, . . .	30	50	40	2 00	
Egyptian, or Washington Market. Fine for market, ears large . . .	30	50	40	2 00	
Late Mammoth. The largest ears of all; rich, sweet and superior . . .	30	50	40	2 00	



Pop Corn for the Boys

QUEEN'S GOLDEN POP CORN. This new sort is one of the best of all for popping, owing to its large size, extreme tenderness and pure white color when popped. Ear, 10c.; 4 ears, 25c.; shelled, per pkt., 10c.; pt., 25c.; qt., 45c., postpaid; lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs. and over, 8c. per lb., by express or freight.

MAPLEDALE PROLIFIC, WHITE RICE and SILVER LACE POP CORN. Well known and popular productive sorts. Each, per ear, 10c.; large packet, shelled, 10c.; pint, 20c.; qt., 40c., postpaid; lb., 15c.; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs. and over, 6c. per lb., by freight or express. **Special prices for larger lots.**

Corn Salad, or Vetticost

One ounce will sow about eighteen square feet, and six pounds will sow one acre.

BROAD LEAVED (LARGE SEEDED). A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. Sow in spring in drills one foot apart. It will mature in six weeks. For early spring use sow in September and winter over like spinach. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c., postpaid; 5 lbs. and over, 45c. per lb., by express.

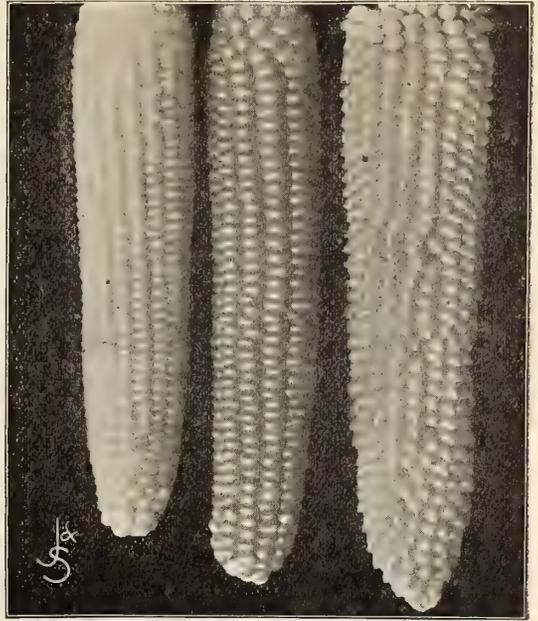
Cress

One ounce will sow about fifteen square feet.

EXTRA CURLLED. (*Pepper Grass.*) Fine flavor; will cut several times. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

TRUE WATER CRESS. A well known aquatic plant, with oval leaves, making a delicious and appetizing salad. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.25.

UPLAND CRESS. Perennial, grown same as spinach; flavor resembles water cress. Pkt., 10c.; oz., 30c.

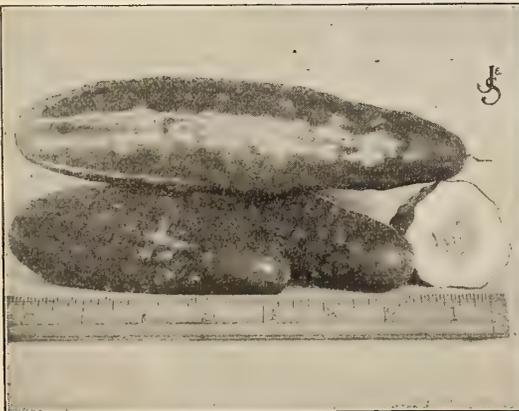


MAPLEDALE PROLIFIC. QUEEN'S GOLDEN. RICE POP CORN.

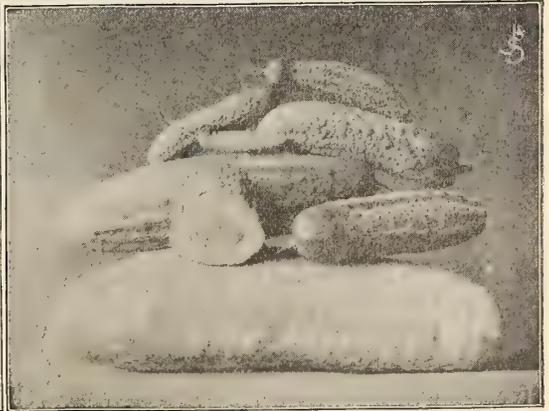
CUCUMBERS—Seed Crops Very Short

One ounce will plant about fifty hills, two pounds will plant one acre
Large packets, 5c. each.

	Per oz.	¼ lb.	Per lb.
Coy's Early Cyclone. The Earliest White Spine by 3 weeks. Wonderfully prolific, Peerless, or Improved White Spine. A fine strain; very early and handsome Evergreen White Spine. Retains its deep green color in all stages of growth . . .	\$0 25	\$0 75	\$2 50
Arlington White Spine. The old standard favorite for market and shipping . . .	20	75	2 75
Improved Arlington White Spine. A marked improvement on the above . . .	25	75	2 50
New Eskimoso. Earliest Russian Cucumber; a week ahead of old Russian . . .	25	75	2 75
Early Frame or Short Green. For slicing or pickling; productive and early . . .	20	50	1 75
Westerfield's Chicago Pickle. One of the best pickles; very popular west . . .	20	65	2 25
Nichol's Medium Green. Thick through; full ends; for slicing or pickling . . .	25	75	2 75
Green Prolific, or Boston Pickling. Dark green; uniform small size . . .	25	75	2 50
Improved Long Green. (Jersey Pickle.) Dark green, crisp and productive . . .	20	65	2 25
Johnson & Stokes' Perfected Jersey Pickle. New and fine The best pickle . . .	25	75	2 75
New Cumberland. Very prolific, fine for pickling or slicing. See illustration . . .	20	65	2 25
Fordhook Pickling. Excellent new sort, but not equal to J. & S. Perfected . . .	20	65	2 25
Giant of Pera. Grows 1 to 1½ feet long; one of the best for table use . . .	20	50	1 75
New White Pearl. Small; smooth fruits; the best white cucumber . . .	20	50	1 75
West India Gherkin, or Burr. Small; prickly fruits; best for small pickles . . .	20	50	1 75



JOHNSON & STOKES' PERFECTED JERSEY PICKLE.



CUMBERLAND—A NEW SLICING AND PICKLING CUCUMBER.



Dandelion

IMPROVED LARGE OR THICK LEAVED. A very early and healthful spring salad. Sow early in drills eighteen inches apart. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Egg-Plant

One ounce will produce about one thousand plants.

NEW EARLY BLACK BEAUTY. See Novelties, page 7. Pkt., 15c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.

NEW JERSEY IMPROVED LARGE PURPLE SMOOTH STEM. In the great markets of New York and the North the finest egg-plants seen are those produced in New Jersey, whose growers have, by long experience, attained remarkable skill in bringing this plant to the greatest perfection. The New Jersey Improved is a decided improvement on the New York Large Purple in quality, size, and great beauty. The plants are large and vigorous; leaves of a light green shade; fruit early, very large, oval and of a fine deep purple—never red or yellow; flesh white, tender and superior. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

NEW YORK IMPROVED LARGE PURPLE SPINELESS. A standard leading market variety, grown extensively in sections where the New Jersey Improved has not been introduced; large, round, dark fruits; very productive. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.75.

Endive

One ounce will sow fifteen feet of drill and will produce about three thousand plants.

MAMMOTH GREEN CURLED. Superior to the old Green Curled. Leaves are very crisp, tufty and full. Mid-rib is pure white, with large white heart, fleshy and tender. Equally suitable for spring, summer or autumn planting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

GIANT FRINGED OR "OYSTER" ENDIVE. A very handsome variety, largely used in Philadelphia and other Eastern cities to decorate the display of oysters during winter, in restaurants and oyster houses, hence its distinctive name. By tying up the centre, can be easily blanched. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

EVER WHITE CURLED. A beautiful variety; mid-rib yellow. Leaves almost white, large size, crisp and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

BROAD-LEAVED (Escarolle). Large and sweet, blanched as salad. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

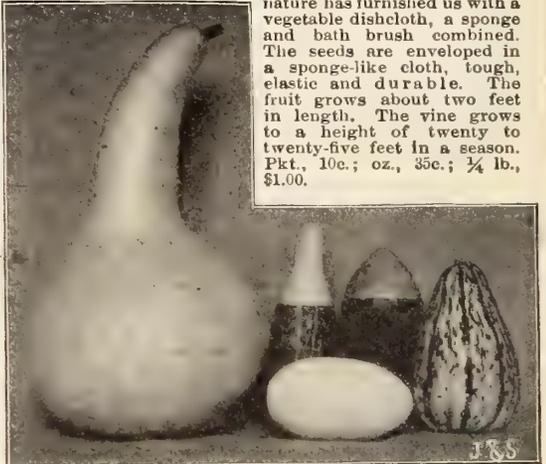


NEW BERLIN GIANT—THE LARGEST AND BEST ENDIVE.

NEW BERLIN GIANT ENDIVE. With market gardeners who tested it the past seasons this new German Endive has proven to be by far the largest in cultivation, even excelling our Mammoth Green Curled, which it resembles in form and leaves, but of greater size. No other Endive compares with the New Berlin Giant in large size and handsome appearance. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Gourds

The most useful for household and farm purposes. **LUFFA, or DISHCLOTH.** This remarkable and handsome climber is a native of the East Indies. In its nature has furnished us with a vegetable dishcloth, a sponge and bath brush combined. The seeds are enveloped in a sponge-like cloth, tough, elastic and durable. The fruit grows about two feet in length. The vine grows to a height of twenty to twenty-five feet in a season. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.



DIPPER GOULD.

NEST-EGG.

ORNAMENTAL.

DIPPER. Named for its resemblance to a dipper. The capacity varies from a pint to a quart, with handles six to twelve inches long. They are convenient for dipping hot liquids, etc. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

JAPANESE NEST EGG. These exactly resemble the eggs of hens, making a capital nest egg; superior to glass eggs, as they do not break and are uninjured by cold or wet. A rapid-growing climber. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

SUGAR TROUGH. Very useful for baskets, dishes, buckets, etc. They have hard, thick shells, lasting for years, and capable of holding from two to ten gallons each. Plant grows rapidly. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

FINE MIXED ORNAMENTAL. A collection of the most ornamental, beautifully colored, mottled and striped, and including all the above. Pkt., 10c; 3 pkts., 25c; oz., 40c.

Garlic

The sets should be planted in spring. Cultivate same as onions. Sets, per $\frac{1}{4}$ lb., 15c; lb., 40c, postpaid; by express, lb., 30c; 10 lbs. and over, 25c. per lb.

Horse Radish

Horse radish is grown from young roots or sets which should be planted out in the spring. They will form a large-sized radish, fit for use in one season's growth. Roots, per dozen, 20c; per 100, 75c, postpaid (50c. per 100; \$3.00 per 1,000, by express). Write for special prices in large lots.

Kale—Borecole

One ounce will produce about two thousand plants.

JOHNSON & STOKES' NEW IMPERIAL or LONG STANDING. A beautifully curled and crimped sort. Of strong, vigorous habit, perfectly hardy, bright green color, and very attractive appearance. Superior to all other sorts, and will stand longer without shooting to seed than any other. Height, two feet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EXTRA DWARF GREEN CURLED SCOTCH KALE. This is one of the best kales for spring sowing in the North, and is the principal sort grown in the South for Northern markets. It is hardy, and will remain over winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed eighteen inches in height. The leaves are of a bright green color, beautifully curled, and produced in great abundance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

GREEN CURLED SCOTCH. A favorite with Northern gardeners, growing about two feet in height and harder than the Extra Dwarf Green Curled Scotch, being improved by frost; leaves green and beautifully curled and wrinkled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SIBERIAN CURLED. (German Greens.) This variety grows a little larger and coarser than the preceding; the leaves are not so deeply curled and are of a bluish green color; very hardy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

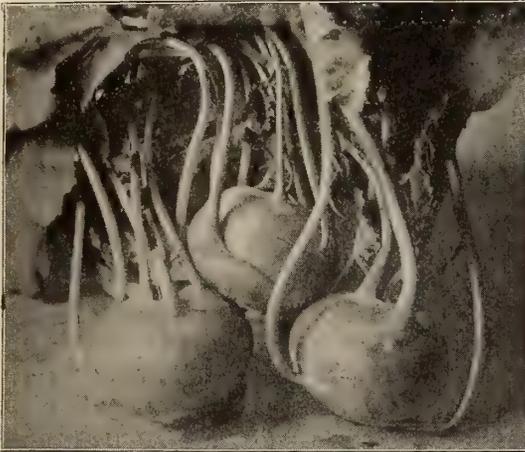
SEA KALE. Grown for its blanched shoots; cooked like Asparagus. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

We Deliver Free! To any Post-Office in the United States, all Vegetable and Flower Seeds, at prices quoted by the packet and ounce.



Kohl-Rabi or Turnip-Rooted Cabbage

This is a favorite vegetable in Europe, where it is extensively grown for feeding cattle, as well as for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table. One ounce will sow one hundred and fifty feet of drill.



SMOOTH WHITE SHORT-LEAVED—THE BEST KOHL-RABI.

New Smooth White Short-Leaved

After several years' comparative tests, we find this new sort decidedly the best for market and table use, being much superior to Vienna. It is very early and the best for forcing as well as for outside growth. Bulb is greenish white, beautiful smooth shape and of the very finest texture and quality. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Kohl-Rabi—(Continued)

NEW SMOOTH PURPLE. Very Short-Leaved. Like the preceding except in color. An extra fine purple. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

EARLY WHITE VIENNA. Small bulb, early. Flesh tender and white. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

EARLY PURPLE VIENNA. A little later; color bluish-purple. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LEEK

One ounce will sow one hundred feet of drill, and produce about one thousand plants.

NEW GIANT ITALIAN. This new leek from Italy is fully twice the size of the ordinary London Leek, and much handsomer in appearance. Like the Italian onions, it is very mild and agreeable in flavor; extremely hardy and a fine keeper. All who have grown it were astonished at its large size and fine white appearance. It is by far the best leek that can be grown either for the market or home use. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LARGE AMERICAN FLAG. Previous to our introduction of the Giant Italian, this was the favorite variety. Very fine and large. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

CARENTAN, or SCOTCH CHAMPION. A large variety from Scotland, growing rapidly and very hardy. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

LONDON FLAG. Popular old sort. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



GIANT ITALIAN LEEK.

The Best Seeds that Grow and a List of Varieties it Pays to Grow

What Others Say: We receive each season hundreds of voluntary testimonials similar to the following:

OUR SEEDS GENERALLY BIGGEST BARGAIN OF HIS LIFE

WM. H. MEEK, P. M., Mimosa, Ark., March 1, 1903, writes: "I have just received the seeds from you and consider my purchase the biggest bargain in my life. I never got so many extras, and I have bought from many seedsmen."

INHERENT PURITY AND QUALITY

C. H. PHELPS, East Smithfield, Pa., May 7, 1903, writes: "I could get any of the seeds ordered in my own town, but I have become so fully satisfied of the superior growing power, inherent purity and quality of your seeds, which I have planted so many years, that I would rather wait a reasonable length of time than to plant those of any other seedsmen."

COME QUICKER AND GROW BETTER

I. Q. SELBY, Rover, Md., May 7, 1903, writes: "I have used a great many seeds from a great many different seedsmen and Johnson & Stokes' seeds have given me more satisfaction than any I have ever used. They come up quicker, grow better and are always pure and true to name."

NOVELTIES OF UNUSUAL WORTH

JOHN COOK, Decatur, Mich., Aug. 24, 1903, writes: "I have bought your seeds for twenty years, including many novelties, and I have always been more than satisfied. Everything got from you has proven of unusual worth."

BETTER THAN REPRESENTED

JOHN W. SCOTT, Florist, Lisbon, Ohio, July 23, 1903, writes: "I have used your seeds for the past eighteen years and have always found them to be as good or better than represented."

BEST GARDEN IN THE NEIGHBORHOOD

M. J. KING, East Brady, Pa., Aug. 7, 1903, writes: "Your seeds always prove true to name. I have the best garden this year in the neighborhood. Some complain about their poor yielding crops, but I tell them if they had bought their seed of Johnson & Stokes as I did, their gardens and fields would be all right."

CARRIED OFF 12 PRIZES

W. W. WILLIAMSON, Colorado Springs, Colo., Sept. 12, 1903, writes: "Last year I purchased my seed of you and was able to carry off 12 prizes (including the silver cup for best sweet peas) at the annual exhibition of the El Paso County Horticultural Society."

SOME OF OUR SPECIALTIES

J. & S. MARKET GARDENERS' CABBAGE No. 2

JOHN KARL, North Columbus, O., Sept. 1, 1903, writes: "Your J. & S. Market Gardeners' Cabbage No. 2 is the best cabbage that grows. I sold heads on the 4th of July that weighed 13 pounds. It far surpassed all others."

GOLDEN ANDALUSIA WAX POLE BEANS

LOUIS S. PEACHEY, Pedricktown, N. J., Aug. 30, 1903, writes: "Your Golden Andalusia Pole Beans go ahead of anything I ever tried or ever saw. A marvel in productiveness."

FORD'S MAMMOTH PODDED LIMA BEANS

A. S. DREWRY, Galveston, Texas, January 30, 1903, writes: "Your Ford's Mammoth Podded Limas are the best beans I ever saw. I commenced picking them last July and they have borne up to this time."

J. & S. MATCHLESS FLAT DUTCH CABBAGE

JOHN W. MILLER, Allentown, Pa., September 29th, writes: "Your seeds are simply perfect. I have about ten thousand of your Matchless Late Flat Dutch Cabbage, and it is the finest late cabbage I have ever grown or seen."

JOHNSON & STOKES' CREMONA CELERY

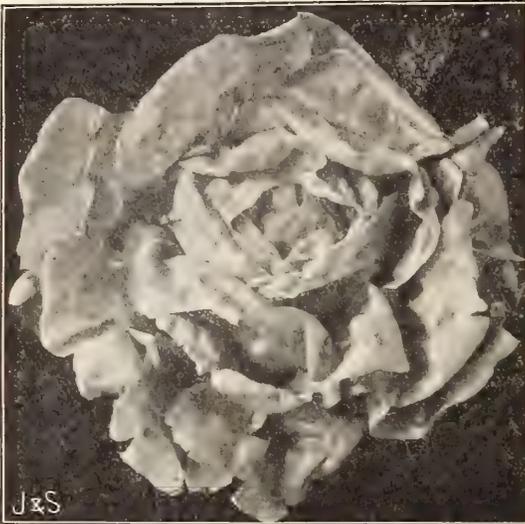
C. NELSON, Comstock, Mich., Oct. 14th, writes: "Your New Celery 'Cremona' is perfect—every stalk uniform and alike. Most beautiful and salable when prepared for market."

NEW COPPERHEAD LETTUCE

R. B. WILLIAMS, East Mauch Chunk, Pa., July 6, 1903, writes: "I found your New Copperhead Lettuce to be one of the quickest growing and most tender lettuces I ever had. I forced it in my greenhouse and it is fine. All my trade ask for it."

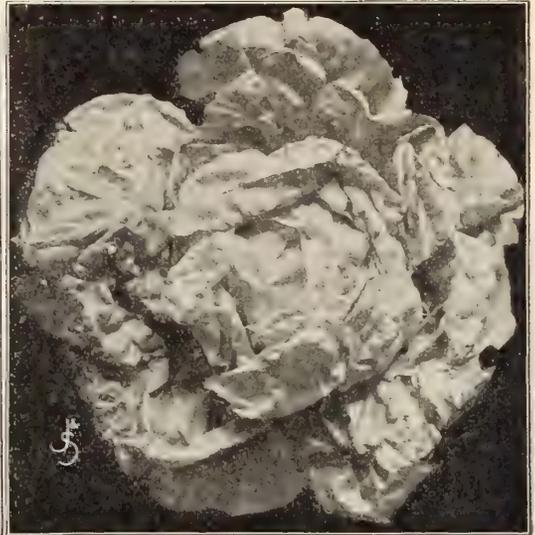
PARISIAN LONG STANDING SPINACH

E. HOLLISTER, St. Louis, Mo., May 9, 1903, writes: "Your Parisian L. S. Spinach has made a most rapid growth sowed at the same time with a Long Standing Spinach from a noted firm in New York; yours is superior and a long way ahead in growth, some of which is now fit for the table."



New Golden Gate Lettuce

Since our introduction of this grand new summer cabbage lettuce, which we brought from California five years ago, we have received hundreds of letters endorsing its wonderful qualities and pronouncing its large, magnificent cream-yellow colored heads the finest ever grown. It is not only one of the surest headers, but one that will remain in condition for use longer than most others. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



Mammoth Salamander Lettuce

In the New Mammoth Salamander we have a variety which possesses all the desirable qualities of the old Salamander, but grows to double the size. It is the result of many years' careful selection and breeding by a Philadelphia market gardener, whose main crop is lettuce. Owing to its handsome appearance and fine quality, it is to-day the most rapid seller in New York and Philadelphia markets. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LETTUCE—The Cream of the Cabbage or Heading Varieties.

One ounce will sow about one hundred square feet, and produce three thousand plants.

All varieties in regular large-sized packets at 5c. each per packet.

White-Seeded Tennis Ball, or Boston Market. A well-known forcing sort . . .
Arlington Tennis Ball. Improved strain; saved from plants started under glass.
Johnson & Stokes' Hot House. Double the size of Tennis Ball; never rots . . .
Myers' "All Right." Produces beautiful large solid heads of finest quality; equally valuable for forcing or open ground planting; few equal, none better.
Reichner's Early White Butter. Large, solid; fine for forcing or open ground.
Big Boston. A fine strain for forcing or open ground; very large, solid heads.
Johnson & Stokes' Summerlead. A grand new Summer lettuce, very large, handsome yellow heads of perfect quality; remarkable to withstand heat, and the slowest to shoot to seed. See illustration
Mongolian. A new variety from Asia, valuable for Spring and Fall planting outdoors; very crisp and delicate in flavor
The Copperhead. Large, solid and distinct color, light brown outside, shading to light pink inside; crisp and handsome

Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 10	\$0 30	\$1 00
20	50	1 75
25	70	2 25
25	70	2 25
15	40	1 40
15	40	1 40
25	70	2 25
25	70	2 25
20	60	2 00



JOHNSON & STOKES' SUMMERLEAD—BEST TO STAND HEAT.



NEW MORSE—BEST CURLED LETTUCE FOR EARLY AND SUMMER.



HARVESTING THE SEED FROM A FIELD OF OUR MAMMOTH SALAMANDER LETTUCE.

Although only first introduced by us four years ago, New Mammoth Salamander has grown in popularity to such an extent that to-day it is more largely grown than any other Summer Lettuce for Philadelphia and New York markets. See illustration of single head on preceding page.

LETTUCE—Cabbage or Heading Varieties (Continued)

Large packets, 5c. each.

	Per oz.	¼ lb.	Per lb.
Giant Glacier. (New.) Large light green heads; leaves crimped and swollen, like Savoy Cabbage; withstands heat and drought	\$0 15	\$0 40	\$1 40
Sensation. The best and most popular all-year-round Lettuce; forms a solid head before half grown; light yellowish green color, of the finest quality	25	70	2 25
Silver Ball. Head white, solid, firm; splendid for Spring and Summer use	15	40	1 40
Philadelphia Dutch Speckled Butter. Fine, large heads of excellent quality . . .	15	35	1 20
Hornberger's Dutch Butter. Improvement on Dutch Butter; private stock . . .	20	60	2 00
New Iceberg. Very solid; large, handsome cabbage lettuce; superior quality . . .	15	35	1 20
White Russian Summer. Very large, handsome heads; fine for open ground . . .	15	40	1 40
Champion Spring and Summer. Large, solid, golden yellow heads of the most showy type, very popular for market and shipping	15	40	1 40
Treasure. Extra large, solid, creamy yellow heads; slow to shoot; fine for South,	25	70	2 25
California Cream Butter, or Royal Summer Cabbage. Fine, solid heads	15	35	1 20
Salamander. Fine compact heads, which resist Summer heat admirably	15	35	1 20
Deacon. A large, solid cabbage lettuce for Summer; heads light green outside . . .	15	35	1 20
Nansen, or North Pole. (New.) Style of Deacon; ten days earlier, very hardy,	15	35	1 20
New York (Wonderful). Large, dark green heads; used only as a Summer sort . . .	15	35	1 20
Philadelphia Early White Cabbage. Handsome heads of superior quality	10	30	1 00
Improved Hanson. Very large, solid and of fine quality; withstands the hot sun,	15	35	1 20

LETTUCE—Curled or Loose Leaved Varieties.

New Morse. The best curled growing lettuce, large leaves, light green outside, blanching to light yellow inside; splendid for both early and Summer use; crisp and tender. See illustration, preceding page	15	45	1 50
Black-Seeded Simpson. Our improved strain; large, loose heads; light color . . .	15	40	1 40
Grand Rapids. A famous shipping, loose-headed forcing sort; popular West	15	40	1 40
Baltimore Oak Leaved. Very distinct; for Summer; resists great heat	25	70	2 25
Early Prize-Head (Brown Cabbage). Large, loose heads, tinged with brown	10	30	1 00
Early Curled Silesian. A leading early curled sort; fine for cutting	10	30	1 00
New Trianon Cos, or Celery Lettuce. The finest of all the Cos sorts; leaves when bleached are stiff like celery stalks, and can be eaten in the same manner,	15	40	1 50
Lettuce—American Varieties Mixed. Fifteen kinds mixed in one package, giving a succession of fine lettuce the whole season	10	30	1 00



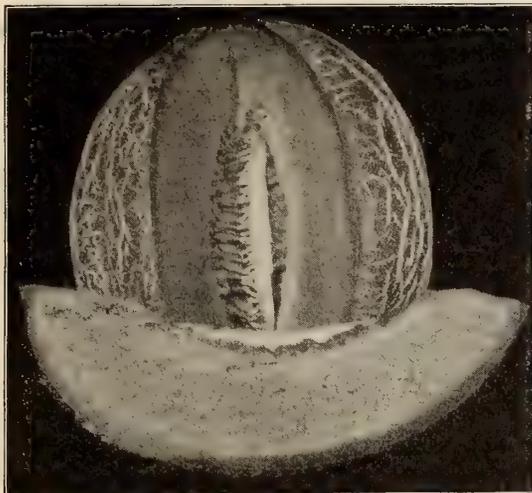
Our selected strain of this celebrated Rocky Ford Melon has become so popular that thousands of crates like the above appeared in Eastern markets the past season, bringing the highest prices. Much seed now being offered is saved from culls. We warn our customers to beware of such. We offer selected seed of our own growing. Per pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid; by express or freight, lb., 90c.; 5 lbs. and over, 80c. per lb.

MUSKMELONS OR CANTALOUPEs—A SELECT LIST

One ounce will plant about seventy hills, three pounds will plant one acre.

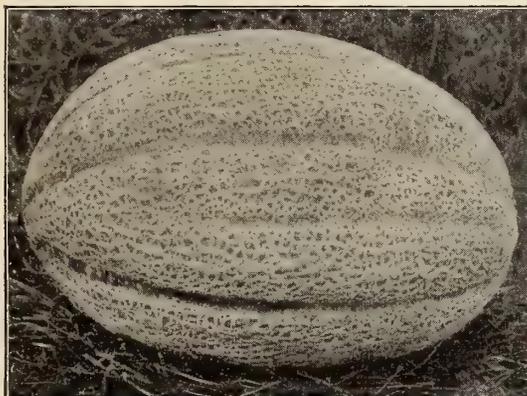
All varieties in regular large-sized packets at 5c. each per packet.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Netted Beauty. Very early; productive; densely netted; free from ribs . . .	\$0 10	\$0 30	\$0 90
Ivy Gem. Earliest of red-fleshed sorts; large, fine and showy; superior quality .	10	30	90
Netted Gem. (Golden Jenny.) Very early; small, round and of fine flavor . .	10	30	90
Early Jenny Lind. Small; light green flesh; fine for market. 5 lbs., by express, \$5.25,	15	35	1 20
McCleary's Improved Jenny Lind. Earliest strain; very productive; uniformly			
good size and well netted. Roughing up better and keeping longer	20	50	1 75
Norfolk Button. (New.) Very early; thick green flesh; fine for market	20	60	2 00
Extra Early Prize. Small; rounder than Jenny Lind; requires good soil	20	60	2 00
Jersey Belle. Larger than Jenny Lind; green flesh; nets up well on light soils,	15	35	1 20
Newport. Shape of Jenny Lind; larger and thicker, but not quite so early . . .	15	35	1 20
Shipper's Delight. (New.) Early, good size well netted, thick green flesh . .	25	75	
New Sweet Home. Large, oblong; thick green flesh; of finest flavor (crop short),	35		
New Melrose. Ten days later than Jenny Lind; oval; sweet green flesh	15	35	1 10
Large Hackensack, or Turk's Cap. Large, round, flattened; green flesh	15	35	1 25
New Early Hackensack. Ten days earlier than Hackensack, which it resembles,	15	40	1 40
Superb. Very large, late and showy; heavily netted; sweet green flesh	10	30	90
Emerald Gem. Small, early, productive; sweet salmon flesh; smooth skin . . .	20	50	1 75
Lone Star. Large, oblong; finely netted; free from ribs; rich salmon flesh . .	15	35	1 10
Perfected Delmonico. Large, oval; orange pink flesh; of very superior quality,	10	30	90
Green-Fleshed Osage. Very hardy, prolific; globe-shaped; lusciously sweet . .	10	30	90
Red-Fleshed Osage or Miller Cream. Medium size; globe-shaped; very sweet .	15	35	1 20
Beck's Strawberry. Delicious new red-fleshed sort, 6 to 8 lbs., each	10	30	1 00
Long Island Beauty. The best of the Hackensack type; very early; fine quality,	20	50	1 75
Cannon Ball. Round; medium size; heavily netted; green flesh; fine shipper .	15	35	1 20
The Banquet. Globe-shaped; densely netted; dark, very rich salmon flesh . .	10	35	1 10
Bay View. Very prolific and of good size; oblong; green flesh; late	10	35	1 10
Improved Montreal Nutmeg. Large, round, netted; flesh thick and light green,	15	45	
Acme, or Baltimore. Early, oblong, pointed; light green flesh; a fine shipper .	10	35	1 10
Banana. Late; grows 18 to 20 inches long; highly perfumed; fine quality . . .	20		
Mango Melon, or "Vegetable Peach." For preserving or pickling	15	35	



Paul Rose, or Petoskey Muskmelon

A cross of Osage and Netted Gem, and best of the salmon or red-fleshed sorts. Flesh unusually thick, firm and delicious; well netted and fine for market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20.



THE ANNE ARUNDEL MUSKMELON.

Anne Arundel Muskmelon

An improvement on the well-known Acme or Baltimore, growing to larger size, with thicker flesh. Notwithstanding its large size, it is ready for picking immediately after the extra early sorts, is a heavy yielder and bears shipment well, its shape enabling it to resist pressure much better than the rounder melons. The Anne Arundel is fast becoming the most popular green-fleshed sort for both market and family use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

SHORT SEED CROPS Owing to attacks of insects and bad climatic conditions in many seed-growing sections seed crops of both muskmelons and watermelons have been shorter than for many years. There is not half enough seed in the country for normal requirements. Before going to print with this catalogue, we have declined wholesale orders for thousands of pounds of the leading sorts, preferring to supply our retail customers with their wants, and hope our action will be appreciated.

Varieties not listed are a total failure.

MELONS—Watermelon

One ounce will plant about fifty hills and four pounds will plant one acre.



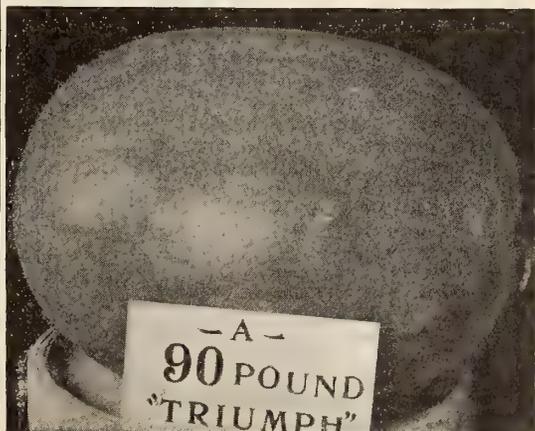
SPECIMEN OF PAUL'S BONNY BEST—RIPENED IN 62 DAYS.

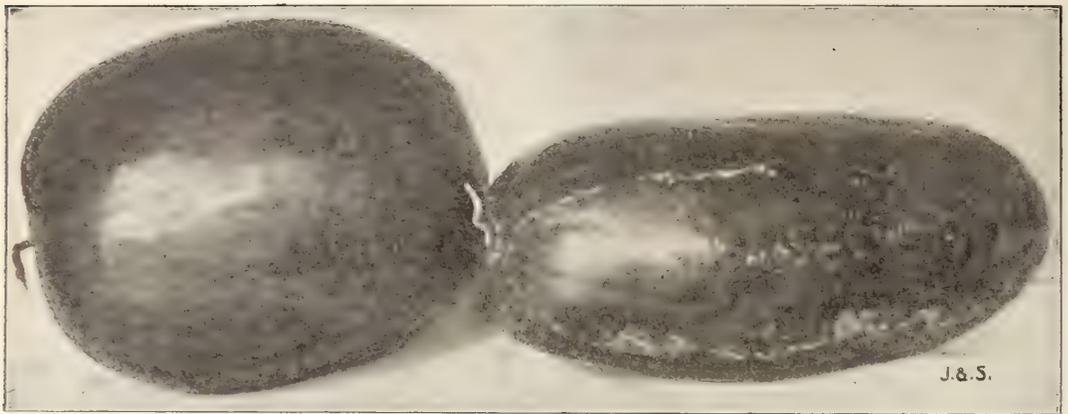
Paul's Bonny Best Watermelon

The earliest watermelon in cultivation. It originated with the late Aaron Paul, the famous New Jersey melon grower and hybridizer. In our trials in past seasons we had good-sized melons, plenty large for market, weighing 15 to 20 lbs. each, on July 10th, from seed planted May 9th, while most other varieties could not be eaten until about August 1st. Flesh red, deliciously sweet, with but few seed. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

New Triumph Watermelon

This new melon has created quite a furore among shippers on account of the very high prices realized by those who have grown them. **Triumph** is a cross between the **Duke Jones** and **Kolb Gem**, having the handsome dark green color of the former and the fine shipping qualities of the latter, but infinitely superior in flavor and grows much larger than either, having been known to attain a weight of over 100 lbs. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c., postpaid; by express or freight, lb., 65c.; 5 lbs. and over, 60 cts. per lb.





BLACK BOULDER WATERMELON.

TRUE JOHNSON'S DIXIE WATERMELON.

BLACK BOULDER—The Great Shipping Watermelon

For this grand new and distinct watermelon we are also indebted to the late Aaron Paul. It is enormously productive, reaching a mammoth size, with rich, dark green skin. It cuts equal to any market melon we have ever eaten, and its shipping qualities are phenomenal, no other melon equaling it in tough skin and rind. While it has rapidly become one of the leading melons for market, it is one of the best "all round" melons in existence, and for the family garden it is also without a peer. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

EXTRA SELECTED STOCK SEED. Saved entirely from picked melons. The largest and finest in our patch. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

GENUINE JOHNSON'S DIXIE WATERMELON

The true Johnson's Dixie is a cross between the **Kolb Gem** and **Old-Fashioned Mountain Sweet**, and surpasses the Kolb Gem in shipping qualities, and fully equals the Mountain Sweet, Kleckley and Florida Favorite in superior eating quality, and is **ten days earlier** than any of them. Its great productiveness is shown from the fact that it frequently matures **six to eight large melons** to the vine. Owing to the great popularity of this variety, another and much inferior melon is frequently substituted and sold for it. If you want quality and genuine seed, send to the introducers. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c., postpaid; by express, lb., 65c.; 5 lbs. and over, 60c. per lb.

EXTRA SELECTED STOCK SEED. From picked melons. Pkt., 10c.; oz., 20c.; ¼ lb., 45c.; lb., \$1.50.

Standard WATERMELONS with Real Merit

One ounce will plant about fifty hills and four pounds will plant one acre.

Large Packets of any variety, 5c. each. If ordered sent by express or freight, deduct 10c. per lb. In 5-lb. lots and over, 15c. per lb. may be deducted.

	Per oz.	¼ lb.	Per lb.
Fordhook Early. Very early; good size; medium green, red flesh of fine quality	\$0 10	\$0 25	\$0 70
Early Jumbo. Round; of large size; dark green skin; extra good quality	10	30	90
Dark Icing. Early, round, solid, with thin dark green skin; of superior quality	10	20	50
Light Icing, or Ice Rind. Round in form like the above; flesh of fine quality	10	20	50
Gray Monarch, or Long White Icing. Very large, long; crimson flesh	10	25	70
Black Diamond. Large, round; skin dark green; tough; red flesh, fair quality	10	25	75
Black-Eyed Susan. (New.) Oblong; striped; rind tough; delicious red flesh	10	25	75
Sweet Heart. Mottled light green; large, oval, heavy; red flesh; fine shipper	10	20	50
Alabama Sweets. A grand new shipping melon; equal to Icing, Kleckley and Florida Favorite in luscious quality; long, dark green, continuous bearer	10	30	90
McIver's Wonderful Sugar. Resembles Old Rattlesnake, superior in quality	10	25	80
Pride of Georgia. Round, large, crisp; bright red flesh; fine shipper	10	20	65
Santiago Mammoth. Superior to Mammoth Ironclad, which it resembles	10	20	60
Ice Cream, or Peerless. Very early; red flesh of fine quality; white seed	10	20	65
Cuban Queen. Early, solid and heavy; skin striped dark and light green	10	20	65
Kolb Gem. Very large; flesh red; a good shipping sort; popular in the South	10	20	50
Blue Gem, or Iceberg. A blue Kolb Gem, better quality; desirable for shipping	10	25	70
Florida Favorite. A superior strain; large, oblong, striped; luscious red flesh	10	30	90
Scaly Bark. Very large; dark green; light crimson flesh of good flavor	10	20	60
Gypsy, or Georgia Rattlesnake. Oblong, dark and striped; bright red flesh	10	25	80
Colorado Preserving Citron. (Green seed.) Also called Apple Pie; for preserves	10	20	65
Green Citron. (Red seed.) Round and handsome; for preserving only	10	20	50



KLECKLEY SWEETS WATERMELON, GROWN BY MR. KLECKLEY.

Kleckley Sweets Watermelon

This is one of the best and sweetest-flavored large watermelons in cultivation. Skin dark green, thin rind, flesh scarlet, very solid, firm and most luscious quality. For the home market or family garden it is hard to beat. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Halbert Honey Watermelon

A superb new variety from Texas and a peer of the famous Kleckley Sweets. See illustration under Novelties, page 8. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

A New Watermelon for 1905

We have been fortunate in securing a limited amount of seed of a magnificent new watermelon, which we propose to introduce in 1905. Desiring to have it fully tested this season, we shall be glad to include a good-sized trial packet in all orders of \$1.00 and over where watermelon seeds are ordered.

MUSHROOMS



MUSHROOMS MEASURING OVER SIX INCHES ACROSS, GROWN FROM RICHARD'S CELEBRATED ENGLISH MILLTRACK MUSHROOM SPAWN.

RICHARD'S ENGLISH MILLTRACK MUSHROOM SPAWN. (Freshly imported.) This celebrated brand is preferred by all the large mushroom growers of Great Britain, and has given better success in this country than any other brand, on account of its uniform good quality and great productiveness.

Mushrooms can be successfully and profitably grown during the Winter and Spring months on greenhouse benches among other plants, in frames, under greenhouse benches as well as in the open fields or in cellars or outhouses. They are the most profitable crop for the outlay that can be grown, the American market being the best in the world for this delicious and healthful food.

Richard's English Milltrack brand (made by the most experienced maker in England) can be thoroughly relied on to produce a good crop of the best mushrooms. One brick will plant eight square feet of bed. Per brick, $1\frac{1}{4}$ lbs., 15c. (brick, postpaid, 30c.); 10 lbs., \$1.15; 25 lbs., \$2.50; 100 lbs. and over, 8c. per lb., by express or freight. Leaflet-Essay with directions for cultivation accompanies each order for spawn.

MARTYNIA

MARTYNIA PROBOSCIDEA. The best and most productive variety for pickling. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

MUSTARD

One ounce will sow about seventy-five feet of drill.

SOUTHERN GIANT CURLED. Highly esteemed in the South, where the seed is sown in the Fall, and used in the Spring as a salad. Our stock is the true curled leaf, and produces plants two feet high, and of greater breadth, forming enormous bunches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

NEW CHINESE. Leaves twice the size of the ordinary White Mustard, crimped like a Savoy cabbage; stems more succulent; flavor pleasantly sweet and pungent. In six weeks from the time of sowing, the leaves are eaten boiled like spinach, and the plants will continue to yield until frost sets in. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

WHITE LONDON. The old sort, used for salads and flavoring. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 30c.

BLACK OR BROWN. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 30c.

NASTURTIUM

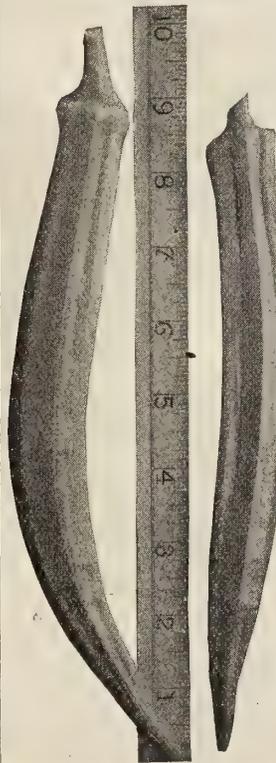
TALL YELLOW. The best for pickling, seed pods or garnishing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

DWARF MIXED. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

OKRA—Gombo

One ounce will plant one hundred hills.

Perkins' Mammoth Long Podded



PERKINS' MAMMOTH LONG GREEN PODDED OKRA.

This distinct new okra is by far the best. It was originated by M. B. Perkins, a well-known New Jersey trucker, after many years of careful study and selection. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme height of the plant. The pods are an intense green color, of unusual length, eight to nine inches, very slim, and do not get hard, as is the case with other okras. It is also much sought after by canners, being the best of all green sorts for canning for Winter use. Our seed is grown by the originator. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c., postpaid; by freight or express: lb., 65c.; 5 lbs. and over, 60c. per lb.

LADY FINGER.

A fine new variety from the South. Very productive of very long, slender pods of fine round form, white and smooth. If used in its early state of growth, it will be found exceptionally tender and choice. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

DWARF GREEN PROLIFIC, or DEN-SITY. A distinct variety, growing about 14 inches in height. Very productive of fine, smooth pods. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

WHITE VELVET.

This distinct and beautiful new okra was originated in Georgia. The pods are very large, perfectly smooth, never prickly, round, not ridged or square, as in other okras. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

YOU ARE INVITED TO CALL OR WRITE for Special Prices on SEED POTATOES, ONION SETS, COW PEAS, GRAINS and GRASS SEEDS, the prices of which vary with the market.



OUR PEDIGREE ONION SEED

There is no vegetable in which the quality of the seed exerts a greater influence upon the crop than in onions. Our stock is all grown from choice bulbs, selected by hand, and is unsurpassed in this country. During our whole business career as seedsmen, it has always been our aim to make quality a first consideration, price afterwards, and in no one crop have we met with greater reward for our efforts than in onions, the demand for our seed having increased so rapidly that we have been obliged to largely increase our facilities for growing every year for several years past.

PHILADELPHIA-GROWN SEED, or that raised in the southeastern part of Pennsylvania, is unquestionably **earlier** than New England seed, and still earlier compared with Western seed. This is an important feature, as the early market onions always bring the highest prices. The growth conclusively proves our claim, the Philadelphia seed making bulbs of better quality for keeping or immediate use, either as sets or full-sized onions, long before seed from any other locality. Large, full-sized onions can be grown from our seed the first season in any section of the United States, North or South.

One ounce will sow one hundred feet of drill. To grow large onions from seed, five pounds to the acre; to grow small sets, fifty to sixty pounds to the acre are required. For full information for culture, storage and marketing onions and onion sets, see our **New Leaflet-Essays** on this subject, which will be sent free with all orders for onion seed, when requested.



Philadelphia Yellow Globe Danvers Onion

Do Not Confound with the Ordinary Yellow Globe Danvers of other Growers

This improved variety is pronounced by onion growers, who now grow it in preference to all other onions, the very best strain in cultivation. It is the **earliest** yellow globe variety, **large** in size, **uniformly perfect** in shape and the **largest cropper**, producing from seed 1,000 bushels to the acre with good cultivation. It is also the most reliable for bottoming, and one of the **best keepers** of all American Onions. Prices, new crop, **Pedigree Tested Seed**, grown from selected hand-picked bulbs: Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25, by mail, postpaid; by express or freight, lb., \$1.15; 5-lb. lots for \$5 50; 10 lbs., \$1.00 per lb.; 25 lbs. and over, 95c. per lb.



PHILADELPHIA YELLOW DUTCH, OR STRASBURG ONION.

TRUE ROUND YELLOW DANVERS ONION.

Phila. Yellow Dutch or Strasburg Onion

The great set onion—our pedigree Philadelphia-grown seed. The most popular variety for sets, grown so extensively by market gardeners around Philadelphia. The sets of this variety grow round, plump and bright. Full-sized onions are somewhat flattened, as shown in photograph, flesh white, mild flavor and an excellent keeper. Skin bright yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid; by express or freight, lb., 90c.; 5 lb. lots, 80c. per lb.; 25 lbs. and over, 75c. per lb.

True Round Yellow Danvers Onion

Our superior stock of this celebrated variety is of fine round shape, as shown in photograph above. It grows to good size, with thin yellow skin, white flesh, fine grained and excellent quality. It ripens early, keeps well and is very productive. This variety is catalogued by many seedsmen as Yellow Globe Danvers, which is a misnomer. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid. By express or freight, lb., 90c.; 5 lbs. for \$4.25; 10 lbs., 80c. per lb.; 25 lbs. and over, 75c. per lb.

Model Export Hardy Onion

This new onion, seed of which we offered for sale for the first time last season, originated in Northern New York, where the seed had heretofore been controlled by a few market growers. In fine color they are different from all other onions, and might be described as a pinkish dark yellow or distinct mandarin color. They have become noted for their long-keeping qualities, commanding high prices and much sought after by onion dealers in New York and Boston for shipment to foreign countries. Their rapidity of growth makes them invaluable, as they are ready for bunching for market two weeks before any other onion, growing good-sized onions from the black seed almost as early as other onions grown from sets, and can therefore be produced much cheaper. Per pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.25; 5 lbs. for \$15.00.

What Growers Say of 2 Grand Onions

WARREN WEBSTER, Port Monmouth, N. J., Aug. 29, 1903, writes: "I had on August 20th onions of your Model Export Hardy, measuring 4 inches in diameter, said by onion growers in this section to be ahead of all onions they ever saw grown from seed. They grew splendidly while other kinds were a failure. As I have the only Model Export in this county I will have a home market for them all at good prices."

R. G. WHITE, W. Orange, S. Dak., Oct. 24th, writes: "It is beyond my power to properly describe the merits of the New Hardy Export Onion. It is very large for one so early, distinct and beautiful in color, extremely hardy, and the onions look to me as though they would keep for a year."

JOHN O. RASSER, Mill Hall, Pa., Aug. 13, 1903, writes: "Your Philadelphia Yellow Globe Danvers Onion seed has produced for me the finest crop of onions in all this section; no other will be planted here next year."

HENRY HOSKINS, Binghamton, N. Y., writes: "In twenty years' experience your Philadelphia Yellow Globe Danvers has proven the best and handsomest onion I have ever grown; a wonderful seller and keeper."



MODEL EXPORT HARDY ONION, as bunched for early home market.



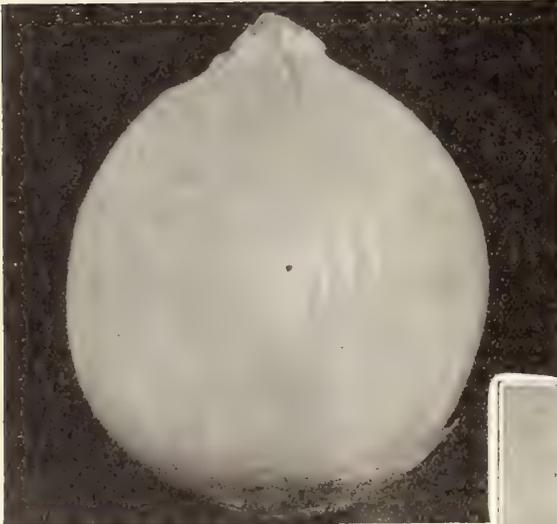
Extra Early Red Globe Danvers Onion

This beautiful new onion, first introduced by us, has rapidly grown in favor. Its extreme earliness has been a great surprise to all market gardeners who have grown it. It is of perfect globe shape, resembling the Southport Large Red Globe in its rich purplish-crimson color, but is ready for market several weeks ahead of that variety, and is unquestionably the earliest American red variety ever introduced, and one of the best keepers. Per pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.70, postpaid; by express, lb., \$1.60; 5 lbs. and over, \$1.50 per lb.



New Extra Early Australian Yellow Globe Onion

A fine deep globe strain of the celebrated Australian Brown Onion. Bulbs very solid and heavy, with remarkable keeping qualities. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.



MINNESOTA WHITE GLOBE ONION.

Minnesota Globe Onions

These are new true globe onions of the finest and most select type, so called to distinguish them from all other stocks of red and white globe onions, differing in earliness, productiveness, perfection of shape and long-keeping qualities. From reports of customers and our trials with them, we believe them to be the onion of the future. We offer choice new seed grown in Minnesota by the originator.

Minnesota Globe Wethersfield Red Onion. Per pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Minnesota White Globe Onion. Per pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.75.

Philada. Extra Early Red Flat

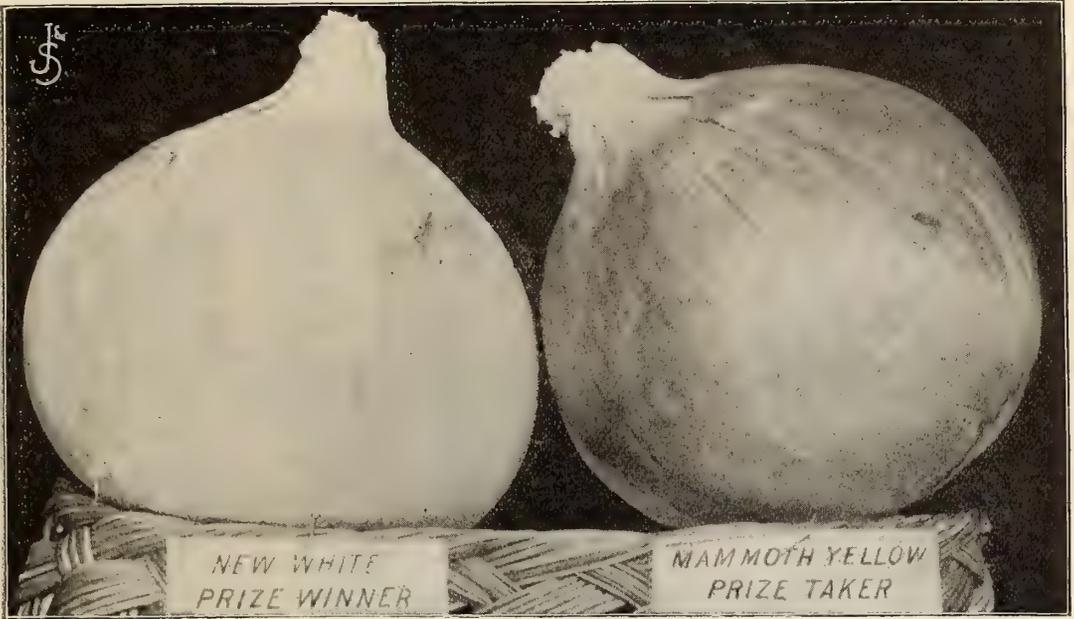
Ten days earlier than Wethersfield; of medium size and deep red color; well adapted to cold mucky soils, where other varieties fail to produce full sized onions. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10, postpaid; by express, lb., \$1.00; 5 lbs., \$4.75; 25 lbs. and over, 90c. per lb.

Extra Large Red Wethersfield

A magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Immense crops of this onion are grown each season from our seed by some of the largest growers in the United States. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20, by mail, postpaid; by express, lb., \$1.10; 10 lbs. and over, \$1.00 per lb.



MINNESOTA GLOBE RED WETHERSFIELD ONION.



A Select List of other Standard American ONIONS

Large packets, 5c. each, except where noted. If ordered sent by express or freight, deduct 10c. per lb. In 5-lb. lots and over, 15c. per lb. may be deducted.

Mammoth Yellow Prize Taker. Very large and fine skin; rich yellow flesh; white, sweet, mild and tender; enormously productive

Philadelphia Long-Keeping Yellow Egg. See Novelties, page 9

Australian Brown. New long keeper; early, flat; fine quality; distinct color

Southport Large Yellow Globe. Popular in New England; very deep globe

Michigan Yellow Globe. True Globe; rich orange; suitable for muck lands

Golden Ball. Very deep globe; skin rich golden yellow; fine keeper; superior

Rhode Island Yellow Cracker. Earliest yellow onion; flat shape; great keeper,

Southport Large Red Globe. Matures late; a splendid keeper; of fine quality,

American Extra Early Pearl. Earliest of all white onions; very large; pkt., 10c.,

New White Prize Winner. Counterpart of **Mammoth Prize-Taker.** Pkt., 10c.,

Southport Large White Globe. Very large, solid and handsome; deep globe

Philadelphia White Silver Skin, or Portugal. Best white onion for sets

Ivory Ball. Perfectly round, pure white skin and flesh; best of keepers; pkt., 10c.,

Hard Round Silver Skin. The best for pickling; uniform, small, round bulbs,

White Bunch. Very early; one of the best for bunching in a green state

Per oz.	¼ lb.	Per lb.
\$0 15	\$0 40	\$1 25
15	45	1 50
10	30	1 00
15	40	1 25
15	35	1 20
20	60	2 00
15	35	1 20
15	40	1 40
25	70	2 25
30	75	2 75
20	60	2 00
20	50	1 75
25	75	2 50
20	55	1 90
20	55	1 90

THE BEST FOREIGN ONIONS

Giant Rocca. Very large globe Italian; reddish brown skin

Red Bermuda. Very early; genuine Teneriffe seed; freshly imported

White Bermuda. Freshly imported from Island of Teneriffe; genuine seed

White Queen. Very early; grows rapidly; mild; remarkable keeper

White Adriatic Barletta. Neatest and smallest; valuable for pickling

Mammoth Silver King. Handsome flat onion; reaching enormous size

15	40	1 40
20	65	2 25
30	75	2 75
20	60	2 00
20	60	2 00
20	60	2 00

CHOICE PHILADELPHIA GROWN ONION SETS

"Philadelphia-grown onion sets" are everywhere recognized as **the best**. Experienced gardeners insist upon having them, and enormous quantities are supplied annually to growers in all sections. We grow each season large quantities from our Philadelphia seed, which, being *earlier*, makes beautiful, small, round sets of better quality than those grown in any other section.

MODEL EXPORT HARDY ONION SETS

We have grown a limited supply of handsome sets from this valuable new onion. Those planting them should get the very earliest onions. Qt., 30c. (qt., postpaid), 40c.; peck, \$1.75.

AUSTRALIAN BROWN ONION SETS.

This new onion makes a beautiful round set, which keeps until late in the spring. Per qt., 30c. (qt., postpaid, 40c.); peck, \$1.75.

Prices on the following vary with the market from \$3.00 to \$4.00 per bushel. We are always glad to quote **special prices** for bushels or barrels.

PHILADELPHIA YELLOW DUTCH, or STRASBURG and PHILADELPHIA YELLOW DANVERS ONION SETS; each: per qt., 15c.; qt., by mail, postpaid, 25c.

EARLY YELLOW CRACKER and PHILADELPHIA EXTRA EARLY RED ONION SETS; each: per qt., 25c.; qt., postpaid, 35c.

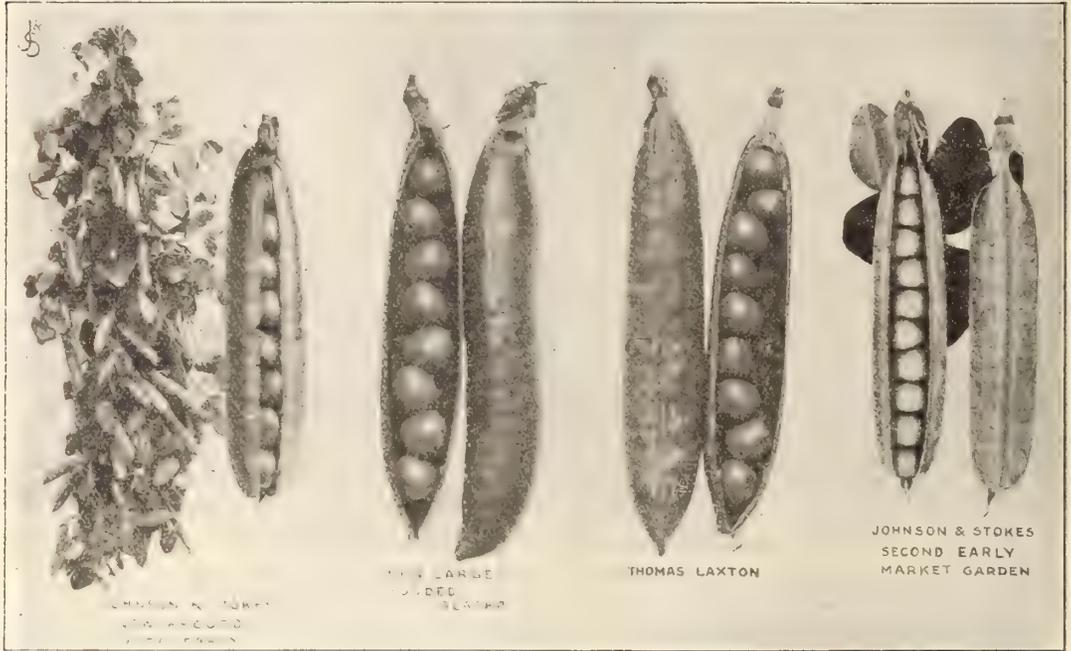
PHILADELPHIA WHITE, or SILVER SKIN, per qt., 25c.; qt., postpaid, 35c.

YELLOW OR RED POTATO and WHITE MULTIPLIER ONION SETS; each: per qt., 25c.; qt., postpaid, 35c.



THE BEST NORTHERN GROWN SEED PEAS

One quart will plant one hundred feet of drill. One and one-half to two bushels will plant one acre.



Four of the Best Early Peas to Plant for Succession

In photographing the above pods they were reduced to one-half natural size.

PEAS—Northern Grown Extra Early Varieties.

Each of the following, 10c. per large packet, postpaid.
We furnish 1/2 pecks at peck rates, 1/2 bushels at bushel rates.

Those marked with a (*) are wrinkled varieties.

- Johnson & Stokes' New Record Extra Early.** The very earliest, most vigorous, uniform and productive; extra early,
- Johnson & Stokes' Extra Early.** The popular fine standard,
- Cleveland's Alaska.** The earliest and most popular blue pea,
- New Large Podded Alaska.** As early as Alaska, with pods and peas almost double the size, more vigorous and productive; a great acquisition
- First and Best.** Very early; popular for market and shipping,
- Philadelphia Extra Early, Dan O'Rourke, Hancock.** Each,
- *Thomas Laxton.** The finest early wrinkled pea, superior in earliness and hardiness to Gradus; pods fully as large, enormously productive
- *Gradus or Prosperity.** Magnificent new, large podded sort,
- *Gregory's Surprise.** (Eclipse.) Earliest wrinkled variety,
- *Nott's Excelsior.** An improvement on American Wonder,
- *Nott's Perfection.** New; cross of Excelsior and Premium Gem; harder than either; larger pods, more productive,
- *American Wonder.** Well known and very popular
- *McLean's Little Gem.** Very prolific; a garden favorite
- *Extra Early Premium Gem.** Long, well filled, prolific pods,

PEAS—SECOND EARLY AND MEDIUM

- *Johnson & Stokes' Second Early Market Garden.** Best and surest cropper; produces more pods than any other,
- *The Admiral.** Fine quality; one of the best for canning
- *McLean Advancer.** Fine standard sort; of excellent quality,
- *Abundance.** Long, round, well-filled pods; very prolific
- *Horsford's Market Garden.** Style of Advancer; very prolific,
- *Heroine.** Large, full pods; productive; quality perfect
- Improved Fillbasket.** Excellent; one of the best for market,
- *Sutton's Satisfaction.** Showy pods; borne double; delicious,

Height in Feet.	By Mail, Postpaid.		By Express or Freight.		
	Pint.	Qt.	Qt.	Peck.	Bush.
2	\$0 25	\$0 45	\$0 30	\$1 75	\$6 00
2	25	40	25	1 35	5 00
2	25	40	25	1 00	3 50
2	35	65	50	2 50	9 50
2 1/2	25	40	25	1 25	4 50
2 1/2	25	40	25	1 25	4 50
2	40	75	60	3 75	
2 1/2	40	75	60	3 25	12 00
1 1/2	25	45	30	1 65	6 25
1	30	50	35	2 00	7 50
1 1/2	30	50	35	2 25	8 50
1 3/4	30	50	35	1 75	6 75
1	25	45	30	1 75	6 50
1 1/2	25	45	30	1 75	6 75
2	25	45	30	1 60	6 00
3	25	40	25	1 00	3 75
2 1/2	25	40	25	1 15	4 25
1 1/2	25	40	25	1 25	4 75
2	25	40	25	1 25	4 50
2 1/2	25	40	25	1 25	4 75
3 1/2	25	45	30	1 50	5 50
2 1/2	25	45	30	1 50	5 50



A Grand New English Pea THE MARKET MASTER

The Best Pea for Medium and Late Use

First imported and introduced by us three years since. Vine is very hardy, growing vigorously to a height of about two feet, unusually prolific. Handsome pods growing uniformly to larger size than any pea we have ever seen, and filled with 8 to 10 very large, delicious peas.

We have received many letters from market gardeners who have planted it the past three seasons, and are sorry we have not room to publish them. One writes: "I am sure Market Master is the best pea the world has ever seen;" another says: "The Market Master created a furore in our market;" still another writes: "Market Master is a marvel in productiveness, melting in the mouth for sweetness."

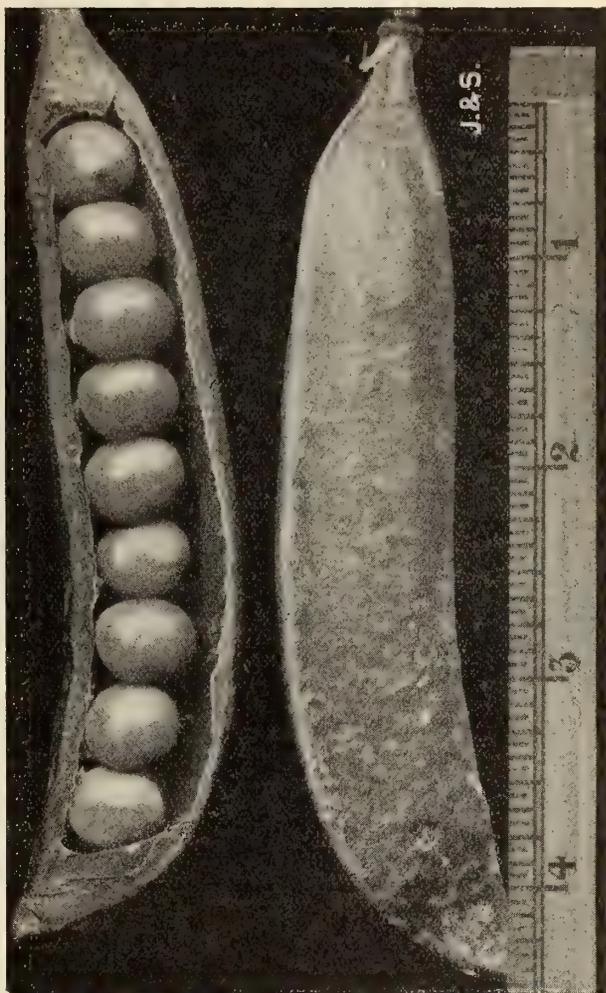
Prices: pkt., 10c.; pint, 30c.; qt., 55c., postpaid. By express or freight, qt., 40c.; peck, \$2.25; bush., \$8.50.

NEW DWARF CHAMPION PEA

This new pea possesses all the merits of the Champion of England, with less vine (26 inches), larger pods and more of them and coming a little earlier. Pkt., 10c.; pint, 25c.; qt., 45c., postpaid; by freight or express, qt., 30c.; peck, \$1.60; bush., \$6.00.

CARTER'S DAISY, or DWARF TELEPHONE PEA

A cross of Stratagem on Telephone, giving all the excellent qualities of the Telephone without its tall vines. Vines grow only about 16 inches high, very stocky, vigorous and productive. Pods long, well filled with 8 to 9 large, delicious, pale green peas. Pkt., 10c.; pint, 30c.; qt., 50c., postpaid; by freight or express, qt., 35c.; peck, \$1.75; bush., \$6.50.



PODS, NATURAL SIZE. NEW MEDIUM AND LATE ENGLISH PEA, MARKET MASTER. LARGEST PODED AND MOST PRODUCTIVE PEA KNOWN.

PEAS—Late or Main Crop Varieties

Each variety in large packets at 10c. each, postpaid

We sell $\frac{1}{2}$ pecks at peck rates, $\frac{1}{2}$ bushels at bushel rates.

Those marked with a (*) are wrinkled varieties.

Height in Feet.	By Mail, Postpaid.		By Express or Freight.		
	Pint.	Qt.	Qt.	Peck.	Bush.
4	\$0 25	\$0 45	\$0 30	\$1 60	\$6 00
2	25	45	30	1 60	6 00
3 $\frac{1}{2}$	25	40	25	1 35	5 00
4 $\frac{1}{2}$	25	40	25	1 60	6 00
1 $\frac{1}{2}$	25	40	25	1 35	5 00
5	25	40	25	1 10	4 00
2	25	40	25	1 35	5 00
3	25	40	25	1 25	4 50
2 $\frac{1}{2}$	25	40	25	1 00	3 50
4	20	35	20	85	3 00
2	30	50	35	2 00	7 00
3 $\frac{1}{2}$	25	40	25	1 25	4 75
2 $\frac{1}{2}$	20	35	20	85	3 00
3	15	30	15	75	2 75
5	15	25	10	50	1 75
1 $\frac{1}{2}$	25	45	30	1 75	6 75
5	30	50	35	2 25	
3	50	90	75		

***Duke of Albany.** (American Champion.) Immense pods . . .
***Improved Stratagem.** More uniform than old Stratagem; larger pods; filled out better in ends of pod; first quality,
Long Island Mammoth or Telegraph. Large pods and peas,
***Telephone.** Enormous pods and peas of first quality; prolific,
Pride of the Market. Our greatly improved uniform strain . . .
***Champion of England.** Well-known standard variety . . .
***Bliss' Everbearing.** Peculiar branching vine; peas large . . .
***Yorkshire Hero.** A spreading variety; very productive
Blue Imperial. A productive market garden Summer favorite,
French Canner. Does not blacken under processing
New Giant Podded Marrow. Hardest large podded pea . . .
Improved Sugar Marrow. Long pods; true marrow flavor . . .
Royal Dwarf White Marrowfat. A favorite for market . . .
Black-Eyed Marrowfat. Very hardy and prolific; poor quality,
Canada Field. Grown with oats for fodder, also for pigeons . . .
***Dwarf Sugar.** Extra fine; pods used same as Snap Beans . . .
Tall Melting Sugar. One of the best; large, broad pods . . .
New Mammoth Podded Prolific Sugar. Largest and best of the edible podded sorts; broad, fleshy, tender pods . . .



Parsley

One ounce will sow one hundred and forty feet of drill.



A SINGLE PLANT OF MARKET GARDENERS' BEST PARSLEY.

MARKET GARDENERS' BEST PARSLEY

Plant very robust, and is greatly improved by severe cutting. The leaves are large and beautifully curled and of a very dark green. It stands heat, drought and cold better, and will yield double that of any other sort. The whole appearance of the plant is very handsome, and it certainly is "the parsley for either the market or family garden." Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.20, postpaid; if by express or freight, lb., \$1.10, or 5 lbs. for \$5.00.

CHAMPION MOSS CURLLED. Extra Dark Green. Leaves crimped and curled, giving a most beautiful decorative appearance. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EMERALD, or DWARF EXTRA CURLLED. Leaves tender, beautifully crimped; handsome, bright green color; very ornamental. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

EXTRA DOUBLE CURLLED. An old curled variety for garnishing. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

PLAIN or SINGLE. Pkt., 5c; oz., 10c; lb., 50c.

HAMBURG, TURNIP-ROOTED. Fleshy vegetable roots, for soups, etc. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Parsnip

One ounce will sow about two hundred feet of drill; 5 lbs. will sow one acre.



NEW IDEAL HOLLOW CROWN PARSNIP.

New Ideal Hollow Crown

A greatly improved and wonderfully fine strain of true Hollow Crown Parsnip. The roots do not grow as long as the old Hollow Crown variety, are of larger diameter and more easily gathered. It is a very heavy cropper. The roots are very smooth, flesh fine grained and of excellent quality. The best variety for the market or home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c., postpaid; by express, lb., 65c.; 5 lbs. and over, 60c. per lb.

LARGE SUGAR, or LONG SMOOTH HOLLOW CROWN. Well-known old standard sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Peppers

One ounce will sow one hundred yards of row.

TWO NEW PEPPERS. Ruby Giant and Chinese Giant. See illustrations and descriptions under Novelties, page 10.



A SINGLE PLANT OF RUBY KING PEPPER.

RUBY KING. Grows to double the size of Bull Nose. The fruits are five to six inches long by about three and one-half inches through. They are bright red, remarkably mild and pleasant in flavor, having no fiery taste. Single plants ripen from eight to ten fruits. The most popular red pepper. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

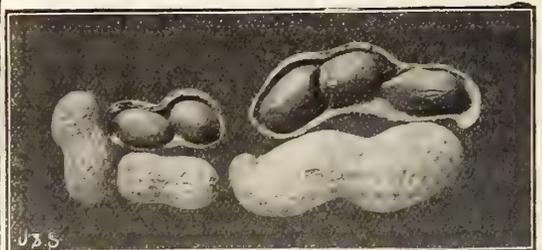
MAMMOTH GOLDEN QUEEN. Originated on our own grounds, where we first found a single plant growing in a large field of Ruby King some years ago. They grow from fifteen to twenty perfect fruits on a plant, from eight to ten inches long and four to five inches through. Color, bright golden yellow, and so mild they can be eaten like tomatoes. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$3.00.

The following Peppers, 10 cents per pkt.

	Oz.	¼ lb.	lb.
Bell, or Bull Nose. Large, mild,	\$0 20	\$0 60	\$2 00
Long Red Cayenne. True, hot,	25	70	2 25
True Red Chili. Very hot,	25	75	2 50
Tabasco. Small, very hot,	40		
Cherry Red. Small, for pickles,	25	75	

Peanut, or Ground Pea

Full directions for planting, growing and harvesting Peanuts printed on each packet.



SPANISH PEANUT.

GEORGIA IMPROVED PEANUT.

SPANISH PEANUT. Valuable for the Northern States on account of its great earliness. It is smaller than the ordinary peanut, and can be planted closer in the row. Large pkt., 10c; pint, 25c; qt., 45c., postpaid; peck, \$1.75.

GEORGIA IMPROVED GROUND PEA, or PEANUT. This variety is much superior to the ordinary peanut, yielding fewer imperfect pods and combining earliness, productiveness and size; yields, on ordinary land, over one hundred bushels to the acre. Large pkt., 10c; pint, 30c; qt., 50c., postpaid; qt., 35c; peck, \$2.00, by express or freight.



SELECTED SEED POTATOES GROWN AT HOULTON, AROOSTOOK CO., ME.

These are universally acknowledged to be the very best. Grown in the cold Northeast, where nature and the elements alike decline existence to all but the very hardiest varieties. We make a specialty of and handle this seed solely. **Pure and true to name.** We pack all our potatoes in the full-size barrel, which is packed solid full and double headed. Special prices by letter on lots of 5 barrels and over.

PLEASE NOTICE

As prices are subject to market fluctuation, we would request that our customers send in their orders as soon as possible. All orders will be promptly acknowledged and potatoes forwarded as soon as weather permits, in time for spring planting. Customers residing South can have them shipped at any time during the winter with little or no risk, but those residing North or West had better wait until the extreme freezing weather is over, in March or April.



PRIDE OF SOUTH. BOVEE. PENN MANOR. THOROUGHBREED. TABLE KING. BLISS' TRIUMPH.

POTATOES—Seed grown at Houlton, Aroostook County, Maine. We will furnish in barrel sacks at 15 cents per barrel less than prices here quoted. Prices quoted are subject to market fluctuations.

	Peck.	Bush.	Bbl.
True Houlton, Maine, Early Rose. Pure and genuine, very fine and early . . .	\$0 60	\$1 75	\$4 00
Early Beauty of Hebron. Popular early sort, of excellent quality; productive,	60	1 75	4 00
Early Thoroughbred. Earlier than Rose; more productive; light pink . . .	60	1 75	4 25
Bovee. Earlier than Early Ohio; very prolific; fine marketable size; mealy . . .	65	2 00	4 50
Crown Jewel. Very early; fine and productive; pink, {These three varieties are	65	2 00	4 50
Bliss' Triumph, or Stray Beauty. Early, round, red, {the most popular of all	60	1 75	4 00
Pride of South, or White Bliss. Early, round, white, {with Southern truckers.}	60	1 75	4 00
Junior Pride. Extra early; sport of the above, surpassing it in yield and vigor .	65	2 00	4 50
Irish Cobbler. New; round, chunky, 80-day sort; popular for home market . . .	65	2 00	4 75
Penn Manor. Very early and productive; light pinkish skin; fine quality . . .	65	2 00	4 50
Early Ohio. Popular first early; does well on upland soil; round and smooth . .	65	2 00	4 50
Rural New Yorker, No. 2. Fine for main crop; large, white, smooth, prolific . .	60	1 75	4 00
Table King. Productive and fine for main crop; extra fine in quality; white . .	65	2 00	4 50
State of Maine. Heavy cropping, late oval variety; white skin and flesh . . .	60	1 75	4 00
Carman, No. 1. Fine medium or intermediate; very large shallow eyes; white .	60	1 75	4 00
White Star. Sure cropping late sort; large, smooth, white skin and flesh . . .	60	1 75	4 25
Green Mountain. Shape oval; white skin; big cropper and splendid cooker . .	60	1 75	4 25

VERMONT GOLD COIN POTATO

A main crop potato of very superior quality, which has been grown quite extensively for a few years past in the great potato sections of western Vermont and eastern New York. It is a very vigorous grower and enormously prolific. Peck, 75c.; bush., \$2.50; barrel, \$5.50.

New Potato—CRINE'S LIGHTNING

A new and productive extra early sort, of a distinct russet color, quite unlike that of any other potato. Its form is well shown in our photograph alongside. Peck, 70c.; bush., \$2.25; barrel, \$4.75.

POTATOES BY MAIL

All varieties of potatoes can be sent by mail, postage prepaid, at 30c. per pound; 4 pounds for \$1.00, correctly labelled and packed to reach the purchaser in good condition.

WHITE POTATO SEED. MIXED.

From the best hybridizers. Per pkt., 25c.



CRINE'S LIGHTNING POTATO.



SEED SWEET POTATOES

We make a specialty of Seed Sweet Potatoes, growing our stock exclusively in New Jersey, about nine miles from our Philadelphia warehouse, where we have unequalled facilities for handling and storing. New Jersey grown sweet potatoes are everywhere acknowledged to be the best in quality, being much drier and sweeter than those grown in the South and West, while their keeping and shipping qualities are away ahead. We pack for shipment in boxes and barrels, with greatest care; but as they are very susceptible to climatic changes, we cannot hold ourselves responsible for their condition after long journeys of several hundred miles, and wish it distinctly understood that customers take **ALL RISKS** after we deliver in good condition to the express or railroad company here. We do not ship until about planting time unless specially ordered to do so. Our barrels contain three bushels—good measure. Full and concise directions for bedding and sprouting the seed, setting out and cultivating sweet potato plants, also harvesting and storing for winter, will be found in our new Leaflet—**Essays on Sweet Potato Culture**, which we will send free with all orders when requested to do so.



Photograph of Section of Field Grown by the Originator for us, of the NEW VINELAND BUSH SWEET POTATO.

Vineland Bush Sweet Potato

The New Vineland Bush Sweet Potato is bound to revolutionize sweet potato culture. It originated on the farm of John Maytrott, the extensive sweet potato grower of New Jersey, from the well-known Early Nansemond and old Vineland Sweet Potato. It is a perfect bush, with no inclination for spinning, resembling a bean bush very closely. The tubers grow directly under the stalk. They are most abundant bearers, good flavor, handsome rich yellow color and excellent keepers. Customers who have tried them say: "They are simply perfection and a great improvement over all other vineless potatoes heretofore sold."

OF INTEREST TO DAIRYMEN. Mr. Maytrott writes: "From 2,000 plants I had in one patch I harvested 86 baskets of prime potatoes, 35 seconds and 27 culls, making a total of 148½ bushel baskets. I then had the tops, which average 3 pounds each, which made 6,000 pounds of green forage, which was eaten with great relish by my cows. The milk was rich and had a sweet, pleasant flavor. All other stock except horses thrive on it. By planting in rows, 30 inches wide and 15 inches apart, one acre will contain about 14,000 plants. With proper care you will have a fine crop of potatoes and about Twenty-one Tons of Green Forage."

Prices: per lb., 40c.; 3 lbs., \$1.00, by mail, postage paid; peck, \$1.50; bushel, \$5.00, by express. Plants of the New Vineland Bush Sweet Potato, ready after May 1st; 50 for 60c.; 100 for \$1.00, by mail, postage paid; 75c. per 100; \$5.00 per 1,000, by express. 500 plants at 1,000 rates.

EXTRA EARLY CAROLINA, JERSEY "UP-RIVERS" AND EARLY NANSEMOND. The justly celebrated Philadelphia sweet potatoes, universally grown for market. Each, per peck, 80c.; bush., \$2.50; bbl., \$4.50.

We will make special prices by letter for larger quantities—write us before you buy.

Plants of the above, ready May 1st, 60c. per 100, by mail, postpaid; by express, 40c. per 100; \$2.50 per 1,000.

PUMPKINS



Our field of King of the Mammoths growing for seed, showing their wonderful productiveness. See next page.

NEW CALHOUN PUMPKIN

This new pumpkin is pronounced by all who have grown it the best for pies. Shape nearly round, somewhat flattened on the ends; skin creamy brown; flesh inside of a deep salmon yellow, very thick, fine grained and of most excellent quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



LARGE CHEESE, OR KENTUCKY FIELD PUMPKIN.

LARGE SWEET CHEESE, OR KENTUCKY FIELD. A most popular variety. Skin mottled light green and yellow, changing to rich cream color as it matures. Flesh yellow, thick, tender, very nutritious; excellent quality and enormously productive. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

BIG TOM FIELD PUMPKIN

This new pumpkin is the result of many years' selection from the old Golden Marrow or Michigan Mammoth Pumpkin. So carefully has the selection been made that the Big Toms will run uniformly to more than twice the size and weight. Skin and flesh are of a deep, rich orange color, of excellent flavor for pies, etc., cooking soft and tender. For table use and stock feeding no more profitable or better variety can be grown. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.



Field of BIG TOM PUMPKINS. Over 20 tons to the acre



A prize-winning King of the Mammoths, grown in 1903 from Johnson & Stokes' selected seed, which attracted the greatest attention and wonder at the great Interstate Fair, Trenton N. J., and afterward when placed on exhibition at our Philadelphia store.

KING OF THE MAMMOTHS—The Great Prize Pumpkin

This now famous pumpkin first came to our attention some years ago, while visiting France, where we secured seed and distributed it among our customers. The results have been **astonishing**. No other pumpkin ever introduced has reached such **enormous weights**, and been awarded as **many prizes**. Hundreds of our customers have raised specimens weighing **over one hundred and fifty pounds each**, the heaviest ever grown, and sent in to us, being the above specimen, which tipped the scale at two hundred and forty-seven pounds. It frequently attains a diameter of over four feet. The flesh and skin are **golden yellow**, and notwithstanding its enormous size, it makes a good **table pumpkin**.

PRICES FOR 1904. Seed saved from specimens selected from our patch weighing one hundred pounds and over. Pkt., 15c.; 4 pkts., 50c. Seeds saved from the general crop, all good, large, uniform specimens. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

PUMPKINS—A Select List of Standard Sorts.

One pound will plant two hundred to two hundred and fifty hills; four to six pounds plant one acre. Large packets, 5c. each.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Cashaw, or Crook Neck. The old Standard and Popular Crook Neck Cashaw	\$0 10	\$0 20	\$0 60
Improved Green Striped Cashaw. Improvement on White Cashaw, green and white striped; flesh rich yellow, solid, fine grained, very thick, sweet	10	30	1 00
New Mammoth Golden Cashaw. The best yet. Skin and flesh rich orange	10	30	1 00
Nantucket Sugar, or Negro. A New England variety with dark green skin	10	30	1 00
Small Sugar. Early, prolific and very sweet; orange color; fine keeper	10	25	75
Tennessee Sweet Potato. Bell-shaped, white flesh, very thick and sweet	15	35	1 20
New Winter Luxury. Golden yellow, finely netted, shape round, flesh very rich, unequalled as a winter keeper and cooking variety	10.	25	75
Quaker Pie. Shape nearly oval. Cream-colored skin and flesh; fine quality	15	35	
Golden Marrow. Round oblong, deep orange, fine flavor, good keeper	10	30	1 00
Common Yellow, or Connecticut Field. Very productive; grown largely for feeding stock (by express or freight, 10 lbs. for \$2.50; bush., 25 lbs., for \$5.00),	5	10	30
MAMMOTH FRENCH PUMPKINS. Packets, 5c. each.			
Mammoth Bright Red Etampes. Glossy red; flat, reaching a very large size	20	50	1 75
Mammoth Tours, or Citrouille. Very large; used in France for feeding cattle	10	25	75
Gray Boulogne. Large, grayish-green; round, flattened on ends	20	50	1 75



THE BEST RADISHES

One ounce of radish seed will sow one hundred feet of drill; nine pounds will sow one acre in drills.

Scarlet, or Cardinal Globe Radish

For forcing in greenhouse hot-beds or cold-frames, and for sowing on open borders early in the Spring, there are no other red varieties better than this and Johnson & Stokes' New Olive Scarlet Radish, described below. On account of its very attractive color and shape, it sells better than most other sorts. It is one of the earliest; in flavor it is mild, crisp, juicy and tender. It forms a small top and will stand a great amount of heat without becoming pithy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.



JOHNSON & STOKES' OLIVE SCARLET FORCING RADISH.

Johnson & Stokes' Olive Scarlet Radish

A decided improvement on the ordinary deep scarlet olive-shaped radish, selected and perfected by a Philadelphia market grower. The tops are so small that the radishes may almost stand touching each other in the rows. Its fine shape, as shown in photograph above, is not its only superior quality, but it is the handsomest in color of all deep red sorts, selling better in market than other olive-shaped sorts. It is also the best early red radish for the home garden, being unusually crisp and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

New Crimson Giant Forcing Radish

See illustration and description under Novelties, page 10.

THE COMET—A New French Radish

Since we first introduced, a few years since, this superior new, early, long white radish, we have received hundreds of letters unqualifiedly endorsing it as by far the earliest, handsomest and best in quality of any of its class. In our own trials it has never failed to give good edible radishes in twenty days from sowing, and has remained in fine condition for use longer than any other extra early variety. We offer choice seed grown for us by the originator in France. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

New Triumph Radish

A Valuable and Distinct Novelty in Forcing Radishes

The roots are about the same size and shape as Rosy Gem, but are creamy-white, beautifully marked with spots and dashes of carmine. The tops are small and it matures about as early as any variety in cultivation. Desirable on account of its distinct beauty, earliness and good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



FELTON'S MODEL WHITE BOX RADISH.

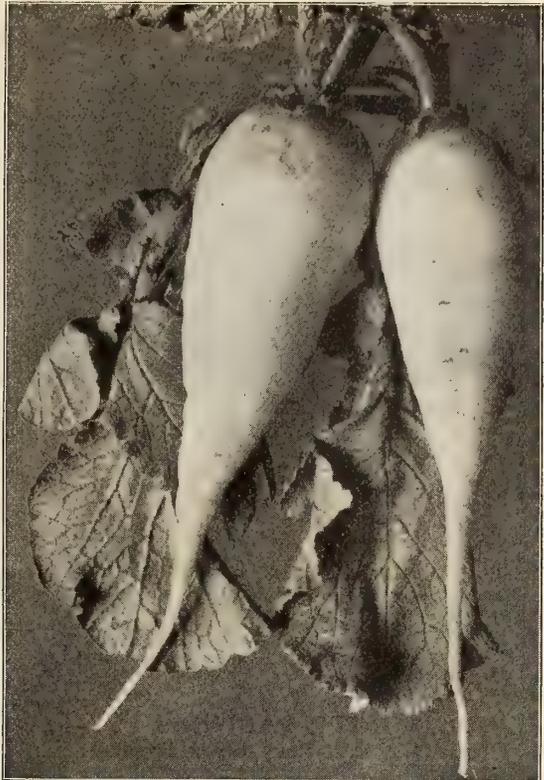
Felton's Model White Box Radish

Felton's Model possesses all the excellent qualities of the old Philadelphia White Box, but is superior in being much handsomer and earlier, with fewer and shorter leaves; hence it can be sown more thickly in the row, enabling the grower to raise at least one-third more radishes in the same space under glass, in boxes or open ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

New White Chartier Radish

This variety, originated in New Jersey, is a white form of the well-known Chartier or Shepherd Radish. It matures in about six weeks from sowing, and remains fit for use three weeks afterward. Tops short, flesh mild, crisp and fine for slicing. Our seed is grown for us by the originator. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.





- No. 1. Earliest Round Dark Red Radish.
- " 2. Fireball Forcing Radish.
- " 3. Startle, or 20-Day Forcing.
- " 4. New White Rocket Radish.
- " 5. French Breakfast Radish.
- " 6. Scarlet Olive-Shaped Radish.
- " 7. Rosy Gem, or Rapid Forcing.
- " 8. Long Brightest Scarlet, White Tip.
- " 9. Early Long Scarlet, or Salmon.
- " 10. Lady Finger, or White Vienna.
- " 11. Philadelphia Gardeners' Long Scarlet.
- " 12. Chartier, or Shepherd Radish.

White Strasburg Summer Radish

This variety is now the most popular Summer radish. Both skin and flesh are pure white, almost transparent, and of a delightful pungent taste. It can be pulled five weeks from time of sowing, yet it will continue to grow without losing its fine quality, and remains tender longer than any other summer sort. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c., postpaid; by express, lb., 65c.; 5 lbs., \$3.00.

Popular Early and Summer RADISHES

Large packets of any variety, 5c. each.

	Per oz.	1/4 lb.	Per lb.
Extra Early Scarlet Turnip. Very early, small, round (5 lbs., by express, \$2.25).	\$0 10	\$0 20	\$0 50
Earliest Round Dark Red. (Scarlet Button.) Very fine and early; cut No. 1 . . .	10	20	65
Fireball. (Non Plus Ultra.) One of the finest round, red forcing varieties; No. 2 . . .	10	25	75
Startle, or Twenty-Day Forcing. (Red Rocket.) Earliest half-long red; No. 3 . . .	10	30	90
Scarlet Turnip White Tip. Popular (5 lbs. and over, by express, 45c. per lb.) . . .	10	20	50
Rosy Gem or Rapid Forcing. Resembles above in color; a week earlier; No. 7 . . .	10	25	80
White Rocket. (New.) Earliest half-long white; cut, illustration No. 4	10	30	90
Double Quick White Forcing. (New.) Very early; handsome long white	10	30	90
Early White Turnip. Both skin and flesh pure white (5 lbs., \$2.25, by express), . . .	10	20	50
French Breakfast. Olive-shaped; red, tipped with white; very handsome; No. 5 . . .	10	20	50
Scarlet Olive-Shaped. Quite early and handsome; of fine quality; cut No. 6 . . .	10	20	65
Early White Olive-Shaped. White flesh and skin; crisp and mild flavor	10	20	65
Olive-Shaped Golden Yellow. (Surprise) Earliest yellow; fine for early or Summer, . . .	10	25	70
Newcom. Earliest, best and largest half-long white (5 lbs., \$3.00, by express) . . .	10	25	70
Half-Long Deep Scarlet, or Paris Beauty. A great favorite; bright, crisp flesh, . . .	10	25	70
Early Long Scarlet, or Salmon. Old sort; cut No. 9 (5 lbs., \$2.25, by express) . . .	10	20	50
Philadelphia Gardeners' Long Scarlet. A great improvement on Long Scarlet; . . .			
earlier, shorter top; better shape and color, fine keeper; No. 11 (5 lbs., \$3.00), . . .	10	25	70
Cincinnati Market. New long scarlet type, straight, smooth, very small top . . .	10	25	70
Long Brightest Scarlet, White Tipped. (Long Cardinal.) New French sort; No. 8 . . .	10	25	75
Wood's Early Frame. Similar to the Long Scarlet; better for forcing (5 lbs., \$2.25), . . .	10	20	50
Chartier, or Shepherd. Large, long Summer radish; scarlet; white tip; No. 12, . . .	10	20	60
Lady Finger, or Long White Vienna. One of the best; cut No. 10 (5 lbs., \$2.25), . . .	10	20	50
Large White Summer Turnip, or Globe. Very popular (5 lbs., \$2.50, by express), . . .	10	20	60
Improved Large Yellow Summer Turnip. Improved shape, fine (5 lbs., \$2.25), . . .	10	20	50



ALL SEASONS RADISHES



NEW CELESTIAL—AN ALL SEASONS WHITE RADISH.

New Celestial, or White Chinese

Seed of this very valuable new Radish should not be sown until Summer, June or July, and is ready for use when three inches long, and continues until ten inches long, by four inches in diameter. It also makes one of the best Winter radishes from seed sown in August. Flesh firm, solid, crisp, pure white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

New Round Scarlet China Radish

This new variety of the China Radish is an all seasons red radish; may be sown at intervals from Spring until Autumn. Matures in from six to seven weeks, and is much hardier than most other varieties. Valuable as a Winter radish, as well as for Summer. Its handsome round shape, rich scarlet color, and pure white flesh commend it to all who grow it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

WINTER RADISHES

Improved Half-Long Black Spanish

Intermediate in shape between the Round and Long Black Spanish, and is much superior to either. Flesh mild, very crisp and sweet, never pithy, and is decidedly the best of black radishes. If stored in damp sand in the cellar they will keep all Winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

CHINA ROSE WINTER. One of the best Winter varieties, bright rose-colored; flesh white, firm and of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

OSAKA. A new variety from Japan, growing to mammoth size, of beautiful half-long shape, with pure white skin and flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

CALIFORNIA MAMMOTH WHITE. The largest grown. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

ROUND BLACK SPANISH. Very popular with Germans, known as *Rettig*. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

LONG BLACK SPANISH. One of the hardest, keeping until Spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

SALSIFY, or OYSTER PLANT



SANDWICH ISLAND SALSIFY.

One ounce will sow about sixty feet of drill. Salsify is a most nutritious and delicious vegetable, and is one of the crops that should be more generally cultivated on the farm for Winter use and sale, as it can be grown just as cheaply as carrots, parsnips, etc.

WISCONSIN GOLDEN. (New.) Fully as large as Sandwich Island with very rich light golden tinge, bunching up handsomely, and in quality rich, tender and delicious. All lovers of salsify should try this new sort. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

MAMMOTH SANDWICH ISLAND. Grows fully double the size of the old Long White. The root is pure white, much heavier and thicker throughout, and notwithstanding their enormous size, are much superior in quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20.

Rhubarb (Pie Plant)

One ounce will produce about one thousand plants.

LARGE VICTORIA. An excellent cooking variety. Seed, per pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.

RHUBARB ROOTS, EARLY STRAWBERRY and VICTORIA. Each, per large root, 15c.; doz., \$1.00; 100, \$4.50, by express; by mail, postpaid, 25c. each; \$2.00 per doz.

Spinach

One ounce will sow one hundred feet of drill. Twelve pounds will sow one acre.

Improved Early Giant Thick-Leaved

This new English Spinach, seed of which we offered for sale two years ago for the first time in America, has gained wonderful popularity with the market gardeners of London since its origin there a few years ago. In our trials it has proven the earliest and quickest growing of all, extremely hardy, productive, large and handsome. We offer seed grown by the originator in England. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.



PLANTS OF PARISIAN LONG STANDING—SHOWING FROM THE ROOT ITS WONDERFUL STRONG, HEAVY GROWTH.

New Spinach—Parisian Long Standing

This New French Spinach surpasses our famous **Enkhuizen Long Standing** in its broad and heavy dark green leaves, which have the true Savoy appearance. It will stand fully two weeks longer than any other variety without running to seed, making it by far the most valuable for spring planting. For wintering over it has proven harder than the famous **American Savoy** or **Bloodsdale**, coming out from under the snow with its dark green leaves in prime condition. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c., postpaid; by express or freight, lb., 50c.; 10 lbs. and over, 45c. per lb.

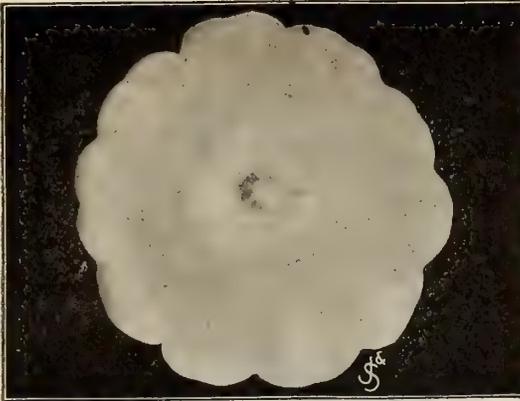
NEW VICTORIA. Leaves very dark green, almost black, very thick and spread out flat upon the ground. It is a long-standing variety, but not very hardy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c., postpaid; by express or freight, lb., 30c.; 10 lbs. and over, 25c. per lb.

ENKUIZEN LONG-STANDING. Leaves round, large, thick, dark green. Our stock is grown in Holland especially for us. Superior to ordinary Long-Standing generally offered. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c., postpaid. By express, lb., 30c.; 10 lbs. and over, 25c. per lb.

AMERICAN ROUND-SEEDED SAVOY, or BLOODSDALE. Our celebrated Philadelphia stock. Popular for fall sowing. The leaves are large, thick, finely curled, heavy, produced in great numbers, and stand handling better than most other sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c., postpaid; by express or freight, per lb., 30c.; 10 lbs. and over, 25c. per lb.

THICK-LEAVED ROUND, or VIROFLAY. Large, thick, dark green leaves, very hardy, and most popular in New York markets, where it is the leading variety for Spring and Fall. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c., postpaid. By express or freight, lb., 25c.; 10 lbs. and over, 20c. per lb.

NEW ZEALAND SPINACH. (*Tetragonia Esparpa.*) Supplies the place of ordinary spinach during hot weather; succeeds everywhere. Sow in May where the plants are to stand. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10.



NEW EXTRA EARLY JERSEY WHITE BUSH.

An improved strain of the old White Bush.
The best and most prolific early Summer Squash.



BOSTON MARROW.

The most popular and most productive Squash for Autumn and Winter use. A fine keeper.

SQUASHES—A List of Varieties Worth Growing

One ounce will plant twenty to forty hills. Four to six pounds will plant one acre.

Large packets of any of the following varieties, 5c. each.

THE BEST SUMMER SQUASHES

- White Bush Scallop.** The well-known white Patty Pan (5 lbs., \$3.00, by express),
- Mammoth White Bush (Silver Custard).** Grows to twice the size of above . . .
- New Extra Early Jersey White Bush.** An improved extra early strain of the old White Bush. Selected and improved by a New Jersey grower. Very productive and show less ridge or scallop, containing a larger amount of flesh,
- Early Golden, or Yellow Bush.** Differs from White Bush only in orange color,
- Golden Custard.** (New.) Very large Golden Yellow Bush; fine for market . . .
- Golden Summer Crookneck.** Small yellow crookneck; early and prolific . . .
- Long Green Summer Crookneck.** Best frying squash; superior to egg plant,
- New Giant or Mammoth Summer Crookneck.** Large and fine for market . . .
- White Pineapple.** Peculiar shape, white skin, great keeper, very prolific . . .

Per oz.	¼ lb.	Per lb.
\$0 10	\$0 20	\$0 65
10	25	70
15	40	1 25
10	25	70
10	25	85
10	25	75
15	40	1 25
15	40	1 25
10	25	70
FALL AND WINTER SQUASHES		
10	25	70
10	30	90
10	30	1 00
15	40	1 40
15	40	1 40
10	25	70
15	40	1 40
25		

- Boston Marrow.** Bright orange; skin and flesh of very superior quality; a splendid Winter keeper and most popular for autumn use. See cut . . .
- Early Prolific Orange Marrow.** Earlier than Boston Marrow; very productive,
- Hubbard.** The old favorite popular winter squash; dark green skin; rich flesh,
- Red, or Golden Hubbard.** A perfect type of its parent, with red skin . . .
- Chicago Warted Hubbard.** Improvement on Hubbard; skin heavily warted .
- White Chestnut.** Sweet, yellow flesh; dry as a boiled chestnut; prolific . . .
- Fordhook.** Early, sweet and dry; also a good summer variety; form oblong . . .
- Mammoth Chili.** The Jumbo of all squashes, often weighing 200 pounds; pkt., 10c.,

VEGETABLE PLANTS—Grown at Floracrott

Always Reliable—We get them at the store fresh daily, in season

- CABBAGE PLANTS.** Early. All leading varieties. For April and May delivery. 35c. per 100; \$2.50 per 1000.
- LATE CABBAGE PLANTS.** Standard varieties. Ready July 1st. 25c. per 100; \$2.00 per 1000.
- CAULIFLOWER PLANTS.** Early Alabaster and Snow Ball. Ready in April. 25c. per doz.; \$1.50 per 100.
- CELERY PLANTS.** Ready July 1st. Perle Le Grand, Winter Queen, Golden Self-Blanching, White Plume, Pascal, etc. 40c. per 100; \$3.00 per 1000.
- LETTUCE PLANTS.** Ready in April. 40c. per 100.

- EGG PLANTS.** Ready in May and June. Black Beauty, New Jersey Improved Large Purple, smooth stem. Grown in pots, 60c. per dozen; \$4.00 per 100. Out of hot-beds, 30c. per dozen; \$2.00 per 100.
- PEPPER PLANTS.** Ready in May and June. Large Bell, Ruby King. 20c. per dozen; \$1.25 per 100.
- SWEET POTATO PLANTS.** See price list at bottom of page 46.
- TOMATO PLANTS.** (Transplanted.) Ready in May and June. We make a specialty of Tomato plants, and can supply all the leading varieties. 20c. per dozen; \$1.00 per 100; \$7.00 per 1000. Not transplanted, \$5.00 per 1000.

JOHNSON & STOKES, 217 and 219 Market Street Philadelphia, Pa.



TOMATO SEEDS FROM SELECTED FRUIT

For years we have made a careful study of growing the very best tomato seed. All tomatoes showing the slightest variation from the standard type are rigidly discarded, thus securing the purest possible seed.

One ounce will produce about thirteen hundred plants.

CHALK'S EARLY JEWEL TOMATO

Introduced last season as a competitor of Sparks' Earliana by another seedsman. After a thorough trial at Floracraft and among our customers, we find it three weeks later and far less productive than Earliana. We recommend it, however, as a good second early. Pkt., 10c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

THE EARLY BIRD TOMATO

With the exception of Sparks' Earliana, this is the earliest tomato. Notwithstanding its small to medium size, many have written us they have found it a most profitable variety to grow. Very smooth, with pink skin. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

ATLANTIC PRIZE TOMATO

First introduced by us in 1889. Thousands of acres are now annually planted from Maine to Texas. The vines grow strong, stiff and very rapidly, setting the crown fruit when very young. Each vine produces from sixty to eighty large, perfect tomatoes. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

SANTA ROSA TOMATO

A new mammoth main crop variety, now first offered. See illustration and description under Novelties, page 11. Pkt., 15c.; oz., 70c.; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.



QUICKSURE—THE BEST SECOND EARLY TOMATO.

THE QUICKSURE TOMATO

With the advent of the Santa Rosa Tomato this year, we claim to have introduced the three most valuable tomatoes in cultivation. With the Sparks' Earliana for first early, Quicksure for second early and Santa Rosa (described on page 11) for main crop, no grower need be without a succession of magnificent tomatoes throughout the entire season. The Quicksure, which we first introduced in 1900, was originated by Mr. Howard Russ, a well-known trucker of Burlington County, N. J. Color bright red; very solid, heavy and wonderfully prolific of very large, fine fruit. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

QUARTER CENTURY TOMATO

Originated by Dr. Van Fleet, horticultural editor of the *Rural New Yorker*. It might be called an Improved Dwarf Aristocrat, its erect bushy vines and fine red fruits closely resembling that variety. It is very early and has proven a valuable acquisition. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

THE MATCHLESS TOMATO

A great favorite for both market and family use. Produces uniformly large, bright red fruit throughout the season. Flesh very solid and heavy, free from core, and will keep in good condition for a week to 10 days after being taken from the vine. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



STONE TOMATO, MOST POPULAR WITH TRUCKERS AND CANNERS.

NEW STONE TOMATO

This is deservedly the most popular main crop tomato for market and canning, owing to its large size and great solidity. When grown from properly selected seed the fruits are very uniform, smooth and of handsome bright scarlet color. Flesh meaty and fine in flavor. Our strain is unsurpassed. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75, postpaid; by express or freight, lb., \$1.65; 5 lbs. and over, \$1.60 per lb.

THE SUCCESS TOMATO

A new scarlet-fruited tomato somewhat resembling our Great B. B., or Brinton's Best. It is of very large size, handsome, smooth and of very fine quality. Fruit sets in clusters and ripens second early. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

LIVINGSTON'S MAGNUS TOMATO

An improvement on the old Acme and Beauty, which it resembles in color, being thicker, heavier and more solid than either. Fruit in clusters, ripening evenly and maturing quickly. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

TRUCKERS' FAVORITE TOMATO

A very large purple tomato, of superior quality; very solid and free from cracks or rot. Very popular in Northern New Jersey. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

THE ENORMOUS TOMATO

Fruits uniformly large, four to five inches across and very deep through. Borne two and three in a cluster; smooth, solid and brilliant scarlet. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

THE GREAT B. B. (BRINTON'S BEST)

This is one of the very best for second early and main crop. The vines grow vigorously and produce abundantly until killed by frost. Fruit of deep red color, uniformly even large size and perfectly smooth. It will keep in good marketable condition for two weeks after picking. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.



THE GREAT B. B. (BRINTON'S BEST) TOMATO.



For the past three seasons crates of fine large Tomatoes, like the above photograph, have appeared in Philadelphia and New York markets two to three weeks ahead of all others. For description and testimonials of this now famous Tomato see pages 12 and 13. Prices of **genuine seed, Sparks' Earliana Tomato**, grown by ourselves, direct from stock seed selected by the originator: Pkt., 15c.; $\frac{1}{2}$ oz., 40c.; oz., 80c.; $\frac{1}{4}$ lb., \$2.50; lb., \$9.00.

Select List of Standard TOMATOES—SEED OF OUR OWN GROWING

In regular size, large packets, each 5c. per packet, except where noted.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Extra Early Advance. One of the earliest; small, smooth, bright red and solid . . .	\$0 15	\$0 45	\$1 50
Early Paragon. Bright red; productive; standard for market and canning . . .	20	50	1 60
Early Michigan, or Red Apple. Very early; medium size; red, smooth . . .	15	45	1 50
Livingston's Perfection. Early; large size; very productive; fine blood red . . .	20	50	1 60
Livingston's Favorite. Large, smooth, productive; a good shipper and canner . . .	20	50	1 60
Livingston's Beauty. Large, smooth, purplish pink; thick flesh; regular form . . .	20	60	2 00
New Stone. Very large; perfectly smooth; bright scarlet; solid; best for canning, and most popular of all as a main crop tomato for market; extra fine strain . . .	20	50	1 65
French Marvel. Extra early; of good size; round, bright scarlet; pkt., 10c. . .	25	75	
Early Acme. Bright pink; smooth, round, uniform size; productive and popular, . . .	20	50	1 75
New Imperial. First early, large, smooth, solid; pinkish purple when ripe; pkt., 10c., . . .	25	70	2 25
Buckeye State. Very large, solid, meaty; deep purple; heavy cropper; pkt., 10c. . .	25	70	2 25
Livingston's Royal Red. Skin and flesh intense bright red; fine for main crop . . .	20	50	1 75
Lorrillard. Best for greenhouse forcing; bright glossy red; very smooth and solid . . .	20	60	2 00
Liberty Bell. Extra early; large size; red; fine quality; splendid for market . . .	15	45	1 50
Dwarf Aristocrat. Erect, strong vine; large red fruits of finest quality; pkt., 10c. . .	25	75	2 75
Brandywine. Finest late; large, solid, smooth, bright red; prolific; pkt., 10c. . .	25	75	2 75
Ponderosa. The largest variety in cultivation; a monster; pkt., 10c.	40	1 00	3 75
Crimson Cushion. An improvement on Ponderosa; more solid; pkt., 10c.	40	1 00	3 75
Ignotum. One of the earliest of large, deep red, smooth varieties; productive . . .	20	50	1 75
Dwarf Champion. Early; fruit resembles Acme; foliage upright; pkt., 10c.	25	75	2 75
Early Market Champion. Very early; large; purple; productive; pkt., 10c.	25	75	2 50
The Moneymaker. First early; purple; of handsome form; fine quality; pkt., 10c., . . .	30	85	3 00
Autocrat. An improved Acme; larger, much more productive; pkt., 10c.	25	75	2 50
New Fortune. Second early; large red fruit of superior quality; pkt., 10c.	40	1 00	
Cumberland Red. Very large; tough skin; popular with canners; pkt., 10c.	30	75	2 75
Trophy. Very solid; large; late sort; improved smooth strain; pkt., 10c.	25	70	2 25
Golden Queen. The best large, smooth, yellow tomato; finest quality; pkt., 10c.	25	75	2 50
Yellow Plum. Plum shape; bright yellow; used for pickles; pkt., 10c.	25	75	2 50
Clusterosa Yellow Egg. A great improvement on all other small yellow tomatoes.			2 50
The best for preserving or pickling; wonderfully productive; pkt., 10c.	50	1 50	
Peach. Resembling peaches in shape and color; for preserves and pickles	15	45	
Red Cherry. An inch in diameter; borne in clusters; for pickles; pkt., 10c.	25	75	
Strawberry, or Winter Cherry. (Husk Tomato.) Small, yellow fruit; pkt., 10c.,	25	75	



NEW MAMMOTH PURPLE-TOP GLOBE TURNIP.

MYER'S PURPLE-TOP BEAUTY RUTA-BAGA.

TURNIPS AND RUTA-BAGAS, OR SWEDES

One ounce will sow one hundred and fifty feet of drill ; one to one and one-half pounds will sow an acre.

Large packets of any variety, 5c.

- Early Snowball.** Very handsome ; extra early, pure white, tender and sweet . . .
- Purple-Top Flat.** (Strap-leaved.) Well-known standard popular early sort . . .
- Early White Flat Dutch.** Very popular for spring sowing ; fine for market . . .
- Early Red-Top White Globe.** Early, productive and popular for market . . .
- Mammoth Purple-Top Globe.** An improvement on Red-Top White Globe, . . .
- Purple-Top Milan.** (True.) The earliest flat turnip ; a very shy seeder . . .
- Extra Early White Milan.** Same as the Purple-Top Milan, except white skin . . .
- Early White Egg.** Very handsome ; pure white ; excellent for early or late . . .
- Improved Sweet German.** Flesh white, hard and firm ; sow early . . .
- Pomeranian Large White Globe.** Useful for both table and stock ; very large, . . .
- Long Cow Horn, or White French.** Very heavy cropper ; best for stockmen . . .
- Golden Ball, or Orange Jelly.** Small ; very early ; fine quality and flavor . . .
- Yellow, or Amber Globe.** Vigorous grower ; fine keeper ; popular for market, . . .
- Yellow Aberdeen, Globe-Shaped.** Very large ; fine for table or cattle . . .
- Budlong, or Breadstone.** Very early half-long white ; fine table sort . . .
- Rhode Island White Rock.** (New.) Early, productive and very handsome . . .
- Monarch, or Elephant Ruta-Baga.** (New.) Large, oval-shaped ; yellow flesh . . .
- Long Island Ruta-Baga, Purple Top.** Very large ; fine yellow flesh . . .
- Myer's Purple-Top Beauty Ruta-Baga.** An improved market garden sort, . . .
- Improved Purple-Top Yellow Ruta-Baga.** Our finely bred strain ; very popular, . . .
- Large White Ruta-Baga.** Very large and productive ; white skin and flesh . . .
- Seven Top.** Very hardy ; grown for leaves, which are used as greens or salads . . .

Peroz.	¼ lb.	Perlb.
\$0 05	\$0 15	\$0 40
5	15	40
10	20	50
10	20	50
10	20	65
10	25	75
10	30	1 00
10	20	60
10	20	60
5	15	40
5	15	40
10	20	50
10	20	50
10	25	75
10	25	75
10	20	50
10	20	50
10	20	50
10	20	50

SEEDS OF POT, SWEET AND MEDICINAL HERBS, ETC.

All Herbs in Large Packets at 5 cents each, except where noted

	per oz.	¼ lb.	lb.		per oz.	¼ lb.	lb.
Anise. Seeds aromatic . . .	\$0 10	\$0 25	\$0 90	American Sweet Marjoram.			
Balm. For culinary purposes, . . .	20	65	2 25	Superior to imported ; seed			
Borage. Used for flavoring, . . .	15	40	1 25	of own growing. Pkt., 10c.,	\$0 30	\$0 85	\$3 00
Sweet Basil (Broad-Leaved), . . .	15	45	1 50	Imported Sweet Marjoram,	15	40	1 25
Caraway Seed. For flavoring, . . .	10	25	75	Rosemary. For seasoning			
Catnip (Cat Mint). Pkt., 10c., . . .	35	1 00		and aromatic oil. Pkt., 10c.,	30	85	3 00
Chervil. Used like parsley, . . .	10	25	75	Rue. Has medicinal qualities, . . .	20	50	1 75
Coriander. Seeds aromatic, . . .	10	20	60	Saffron. Medicine and dyeing, . . .	10	30	90
Dill. For flavoring vinegar . . .	10	20	60	Sage. Most used of all herbs, . . .	20	45	1 50
Fennel (Sweet)	10	25	75	Sorrel. (Large-Leaved.) Cul-			
Fennel (Florence Celery- . . .				tivated for acidity	10	30	1 00
Rooted). Flavor like celery, . . .	20	50	1 75	Summer Savory. Culinary, . . .	10	30	1 00
Horehound. Pkt., 10c.	25	75	2 50	Winter Savory. Flavoring, . . .	20	50	1 75
Hyssop. Medicinal. Pkt., 10c., . . .	25	75	2 50	Tansy. For bitters. Pkt., 10c., . . .	35	1 00	3 50
Lavender. For oil and water, . . .	20	50	1 60	Thyme. Broad-leaved. 10c., . . .	25	75	2 50
Marigold, Pot. For soups . . .	15	45	1 50	Wormwood. For Poultry . . .	15	40	1 40

OUR FAMOUS VEGETABLE AND FLOWER SEED COLLECTIONS

SOLD AT RETAIL FOR LESS THAN WHOLESALE PRICES



For the purpose of inducing thousands of new customers to give our seeds a fair trial, we offer at a *nominal price* the following splendid collections, knowing that we can safely count on making permanent friends of those who buy them. We cannot sell any other seed so cheaply, nor can we make any changes in these remarkable bargain collections.

A GREAT SPECIALTY OFFER FOR ONLY 50 CENTS

For 50 cents we will send by mail, all postage paid, 10 full-sized packets of the following choice Specialties, which would cost at regular prices almost double what we ask here for them:

1. **New Wonder Bush Lima Bean.** The earliest, dwarfest, most prolific and best of all the Bush Limas.
2. **New Ruby Dulcet Beet.** The earliest and best first quality beet for the home table; fine globe shape.
3. **Johnson & Stokes' Earliest Cabbage.** Wonderfully early; hard heads; fine quality.
4. **New French Market Carrot.** Superior in earliness, fine shape and color; flesh tender and sweet throughout.
5. **Johnson & Stokes' Golden Self-Blanching Celery.** Very handsome and early; one of the easiest to grow.
6. **New Mongolian Lettuce.** New variety from Asia. Unequaled for Spring and Fall planting outdoors; superb flavor.
7. **Rocky Ford Muskmelon.** Johnson & Stokes' selected strain. Celebrated for its remarkably fine quality.
8. **New Extra Early Australian Yellow Globe Onion.** Very early and handsome.
9. **Johnson & Stokes' Olive Scarlet Radish.** The earliest and handsomest red radish.
10. **New Quicksure Tomato.** Extra early, large, smooth, solid and perfect.

We send all the above neatly packed, postpaid, by mail, for only 50 CENTS IN STAMPS or cash; FIVE COLLECTIONS, each separate, to one or different addresses if desired, FOR \$2.00. A decided bargain.

A COMPLETE VEGETABLE GARDEN FOR \$1.00

OUR SPECIAL INTRODUCTION BOX OF SEEDS embraces 25 full-sized packets of the choicest Vegetable Seeds, including all the above-named 10 choice Specialties and the 15 varieties described below, making a magnificent collection for only \$1.00 and sent by mail all postage paid.

11. **New Giant Stringless Valentine Bean.** Earlier, more prolific than old Valentine; extra quality.
12. **Johnson & Stokes' New Surprise Beet.** Splendid in shape, color and quality; a fine keeper.
13. **Johnson & Stokes' Matchless Late Flat Dutch Cabbage.** The finest strain in the world.
14. **New Perle Le Grand Celery.** Valuable for both early and late use; superior in keeping qualities.
15. **New Eskimos Cucumber.** The earliest in cultivation.
16. **New Giant Italian Leek.** The largest of all and mildest in flavor.
17. **Lettuce—Ten of the best American Varieties, mixed.** Give fine lettuce for the table the entire season.
18. **Philadelphia Long-Keeping Yellow Egg Onion.** One of the handsomest and best Winter onions.
19. **Market Gardeners' Best Parsley.** The hardiest and best of all known sorts; very dark-green color.
20. **Ideal Hollow Crown Parsnip.** Beautiful, smooth, very productive and very sweet.
21. **Ruby King Pepper.** One of the largest and finest red peppers; flesh thick, mild and sweet flavored.
22. **New Celestial, or White Chinese Radish.** Equally valuable as a Summer or Winter radish.
23. **Mammoth Sandwich Island Salsify (Oyster Plant).** The only sort worth cultivating; very large and tender.
24. **New Mammoth White Bush Squash (Silver Custard).** An improved strain; early, large and fine quality.
25. **New Early Snowball Turnip.** The best for Spring sowing; earliest and sweetest of all; pure white.

AN EXCEPTIONAL FLOWER SEED OFFER

15 PACKETS CHOICEST FREE-BLOOMING ANNUALS FOR 25 CENTS

- ASTER.** Prize Mixed. Embracing Giant, Comet, Semple's Branching and many popular sorts suitable for cutting.
- CARNATION.** Marguerite. A beautiful strain; will bloom abundantly till checked by frost.
- CHRYSANTHEMUM.** Summer Flowering. Single and double varieties in all colors; very effective and fine for cutting.
- DIANTHUS, or PINKS.** Single and double Japanese varieties, with brilliant flowers 2 to 4 inches in diameter.
- JAPANESE CLIMBING HOP.** An ornamental and rapid climber, with luxuriant foliage, resisting heat and insects.
- NASTURTIUM.** Dwarf, or Tom Thumb. The rich colors and freedom of bloom make them the most popular of annuals.
- PANSY.** Large flowering mixed. A strain of rare excellence.
- PETUNIA HYBRIDA.** Finest Mixed. Veined and striped varieties; very effective for bedding; bloom all Summer.
- PHLOX DRUMMONDI.** Rich, brilliant colors; splendid for bedding; a popular and free bloomer.
- POPPLES.** Profuse bloomers and brilliant colors. This strain is unsurpassed for quality and variety.
- PORTULACA.** Brilliant dwarf annuals, blooming profusely all Summer.
- SWEET ALYSSUM.** Little Gem. Of compact habit; splendid for borders, rockwork, edgings, pot culture and cutting.
- SWEET PEAS.** J. & S. Giant Flowering Mixed. Comprising only the best large flowering sorts.
- VERBENA.** Mammoth Mixed. Unsurpassed for size, brilliancy of bloom and luxuriant growth.
- ZINNIAS.** Giant Flowering. (Youth and Old Age.) A general favorite and one of the showiest of annuals.

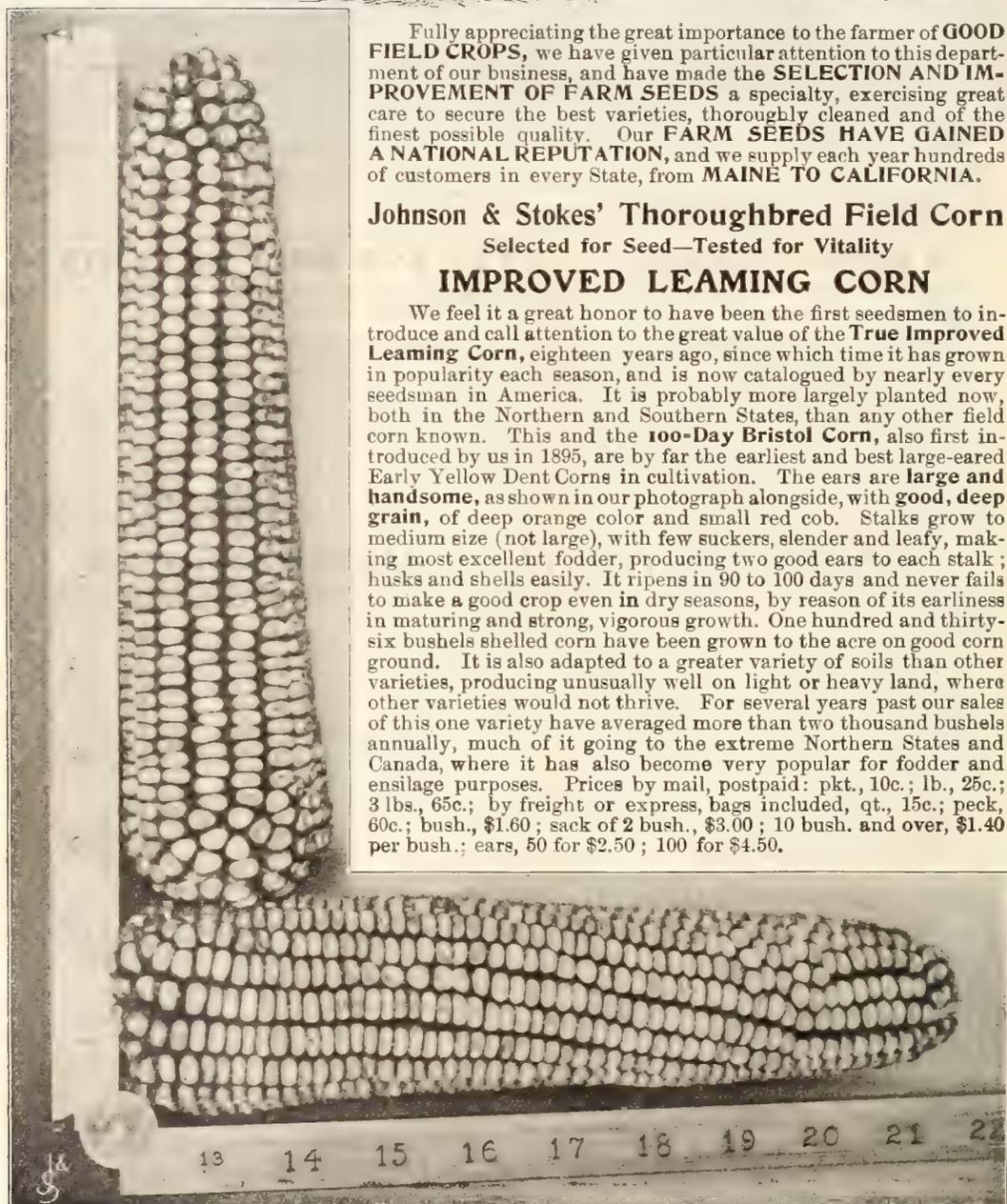


Fully appreciating the great importance to the farmer of **GOOD FIELD CROPS**, we have given particular attention to this department of our business, and have made the **SELECTION AND IMPROVEMENT OF FARM SEEDS** a specialty, exercising great care to secure the best varieties, thoroughly cleaned and of the finest possible quality. Our **FARM SEEDS HAVE GAINED A NATIONAL REPUTATION**, and we supply each year hundreds of customers in every State, from **MAINE TO CALIFORNIA**.

Johnson & Stokes' Thoroughbred Field Corn Selected for Seed—Tested for Vitality

IMPROVED LEAMING CORN

We feel it a great honor to have been the first seedsmen to introduce and call attention to the great value of the **True Improved Leaming Corn**, eighteen years ago, since which time it has grown in popularity each season, and is now catalogued by nearly every seedsmen in America. It is probably more largely planted now, both in the Northern and Southern States, than any other field corn known. This and the **100-Day Bristol Corn**, also first introduced by us in 1895, are by far the earliest and best large-eared Early Yellow Dent Corns in cultivation. The ears are **large and handsome**, as shown in our photograph alongside, with **good, deep grain**, of deep orange color and small red cob. Stalks grow to medium size (not large), with few suckers, slender and leafy, making most excellent fodder, producing two good ears to each stalk; husks and shells easily. It ripens in 90 to 100 days and never fails to make a good crop even in dry seasons, by reason of its earliness in maturing and strong, vigorous growth. One hundred and thirty-six bushels shelled corn have been grown to the acre on good corn ground. It is also adapted to a greater variety of soils than other varieties, producing unusually well on light or heavy land, where other varieties would not thrive. For several years past our sales of this one variety have averaged more than two thousand bushels annually, much of it going to the extreme Northern States and Canada, where it has also become very popular for fodder and ensilage purposes. Prices by mail, postpaid: pkt., 10c.; lb., 25c.; 3 lbs., 65c.; by freight or express, bags included, qt., 15c.; peck, 60c.; bush., \$1.60; sack of 2 bush., \$3.00; 10 bush. and over, \$1.40 per bush.; ears, 50 for \$2.50; 100 for \$4.50.



Average ears of **IMPROVED LEAMING**, photographed alongside an ordinary two-foot rule to show exact measurements.



Austin's Colossal Yellow Dent

AN ENTIRELY NEW AND REMARKABLE FIELD CORN. A perfect wonder in large size of ears, uniformly over a foot in length

The Highest Average Yields

This new corn excited the admiration and wonder of thousands of farmers who visited the Agricultural Building at the Pan-American Exposition at Buffalo, in 1901. Of the hundreds of varieties there exhibited, from almost every State in the Union, it carried off the honors, and we feel justly proud in being the first seedsmen to procure the seed from its experienced originator, Mr. H. W. Austin, and offered it for sale to our customers two years ago. The yield on the farm of the originator the past season was at the rate of 120 bushels to the acre, and in the most unfavorable seasons it has never given less than 100 bushels to the acre of its magnificent ears, borne 2 to a stalk, ripening in 110 to 120 days from planting; grain deep, rich yellow, very heavy, and will sell for the highest prices on any market in the land; stalks medium, not too large, and produce enormously on both light and heavy land. Prices for 1904: lb., 40c.; 3 lbs., \$1.00, by mail, postpaid; by freight or express, sacks included, peck, 80c.; bush., \$2.50; bag of 2 bush. for \$4.50. On ear, 25 ears for \$2.00; 50 ears for \$3.00; 100 ears for \$5.00.

WHAT CUSTOMERS SAY OF IT

We have received hundreds of just such letters as those published below from those who planted it.

86 BUSHELS FROM ½ PECK

FLETCHER M. MCKENNEY, Perrysville, Pa., Nov. 2, 1903, writes: "I cannot help writing you about the Austin's Colossal Yellow Dent Corn. We have just finished husking and have 86 bushels from the half peck sown."

SURELY A WORLD BEATER

GEORGE MUMMERT, Goshen, Ind., Sept. 16, 1903, writes: "Austin's Colossal Yellow Dent Corn from your seed is surely a world beater. The ears are from 13 to 16 inches long and filled to the tips."

500 BUSHELS ON 4 ACRES

I. M. TOLANEY, Little Falls, W. Va., Sept. 30, writes: "Your new Austin's Dent Corn is the largest and best corn I ever saw. Many ears measure over 15 inches in length. I have four acres that will surely make 500 bushels."

AN EAR 19 INCHES LONG

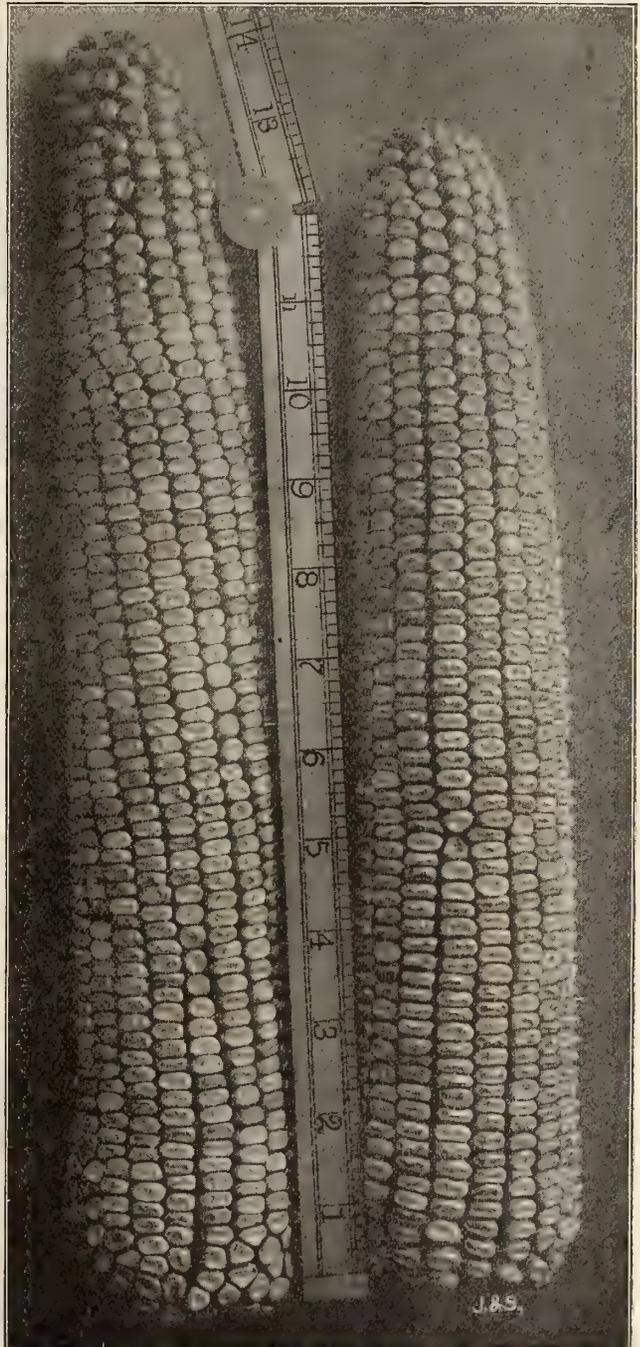
JOHN C. FOHLIGER, Cincinnati, O., Oct. 12, writes: "All who have seen my crop of Austin's Colossal Corn are astonished and loud in its praise. I shall send you a photo of an ear that is 19 inches long. It is a most wonderful corn."

EARS OVER 10½ INCHES IN CIRCUM-FERENCE

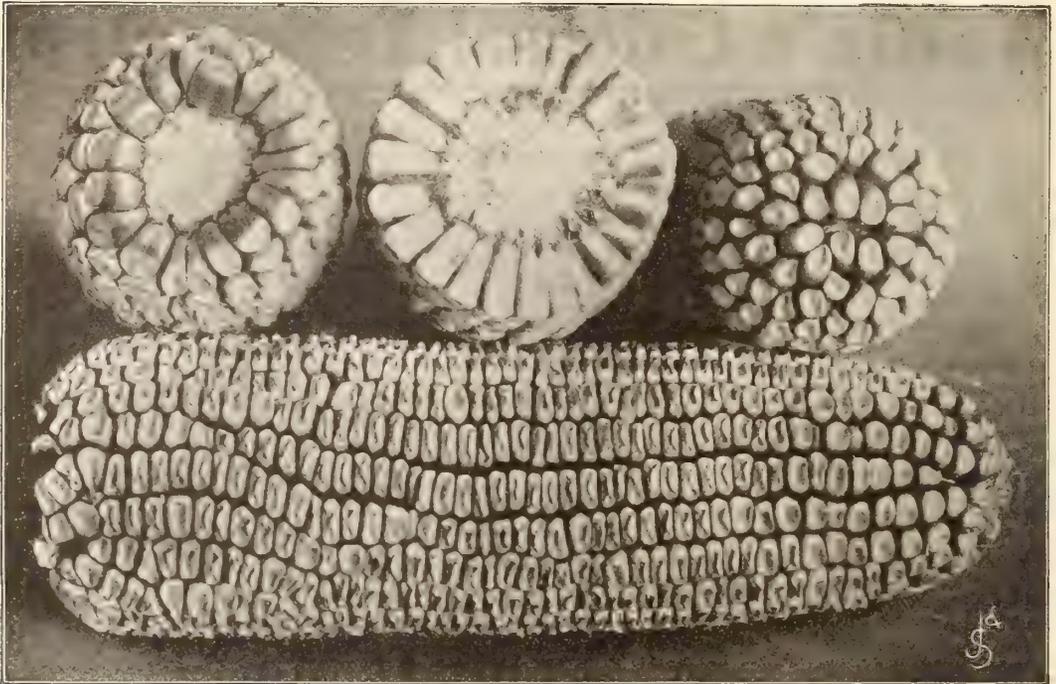
HOMER HAM, Chambersburg, Ill., Oct. 14, writes: "The Austin's Colossal Yellow Dent Corn has made me over 85 bushels to the acre, and would go more than 100 bushels if storm had not hit it so bad. It is by far the largest corn I ever saw, some of the ears being over 10½ inches around."

YIELDS MORE THAN DOUBLE

A. J. MCCHESEX, Andrew, Ia., Oct. 18, writes: "I am more than pleased with your Austin's Colossal Yellow Dent Corn. It is a wonderful grower, yielding more than double any other corn grown here."



PHOTOGRAPH OF AVERAGE EARS AUSTIN'S COLOSSAL YELLOW DENT, ABSOLUTELY THE LARGEST AND MOST PRODUCTIVE FIELD CORN IN CULTIVATION. OUR SEED SELECTED AND GROWN BY THE ORIGINATOR.



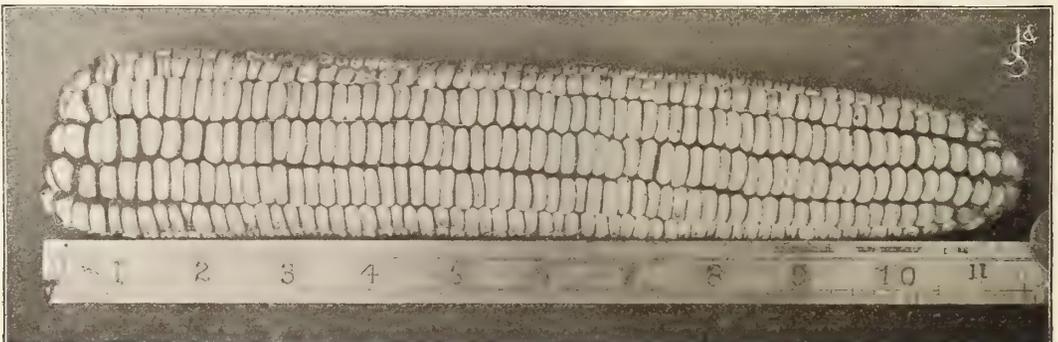
Photograph of JOHNSON & STOKES' GIANT BEAUTY CORN. Showing also section and ends of ear.

JOHNSON & STOKES' NEW GIANT BEAUTY CORN

In the new **Giant Beauty** we have a very valuable and long-sought-for variety, viz.: A very large ear and grain, yet a very early Yellow Dent Corn. **Giant Beauty** is a cross between Cloud's Early Dent and Golden Beauty, possessing the **earliness and deep grain** of the former, with the **handsome, deep yellow color** and breadth of grain of the latter. It is absolutely the **largest grained of all yellow corn**. Its small red cob and great depth of grain are well shown in our photograph above, made from average ears. Its rich, deep golden color and fine quality of grain make it very superior for grinding into meal, and indicate its strong, nutritive qualities. It is a very vigorous grower, taking strong hold in the ground and averaging eight feet in height, producing two large ears, well filled to the extreme ends of the cob. The **most perfect type** of Yellow Field Corn ever introduced. Pkt., 10c.; ear, 25c.; lb., 30c.; 3 lbs., 75c., postpaid, by mail; by express or freight, sacks included, peck, 75c.; bush., \$2.25; sack of 2 bush., \$4.25; 10 bush. and over, \$2.00 per bush.; 50 ears, \$3.00; 100 ears for \$5.00.

THE 100-DAY BRISTOL FIELD CORN

When we first saw this corn growing in the field, with its **enormous stalks and fodder**, twice the height of an ordinary sized man, and its magnificent ears, averaging nearly a foot in length, as shown in photograph below, we were inclined to doubt its earliness. But after growing it ourselves and on the farms of hundreds of our customers, the past four seasons, we have found it cut and shocked ready for husking in ninety-five to one hundred days from the time the seed was planted. The grain is a light yellow; the cob is small considering the size of the ear. It will produce as much fodder and more corn than the famous Chester County Mammoth and other late varieties, which require three to four weeks longer to ripen. In fact, it is a **perfect field corn in all respects**. Prices: Pkt., 10c.; ear, 25c.; lb., 30c.; 3 lbs., 75c., postpaid, by mail. By express or freight, shelled, peck, 75c.; bush., \$2.25; sack of 2 bush., \$4.25; 10 bush. and over, \$2.00 per bush.; 50 ears, \$3.00; 100 ears, \$5.00, sacks included.



An average ear of 100-DAY BRISTOL CORN, photographed alongside rule, to show exact dimensions.



Seed Corn—Standard Varieties

Prices of the following eight varieties, each, per pkt., 10c.; lb., 25c.; 3 lbs. for 65c., postpaid, by mail. By express or freight, quart, 15c.; peck, 60c.; bushel, \$1.60; sack of two bushels, \$3.00; ten bushels or more at \$1.45 per bushel. Sacks included.

IMPROVED SNOW-WHITE DENT. The earliest, most prolific and best white corn in cultivation. The stalk grows so remarkably quick that it is seldom caught by drought. Ears large and ripen in 105 to 115 days.

PERFECTED GOLDEN BEAUTY. A large, broad-grained yellow corn, maturing in 110 days from planting.

LEGAL TENDER YELLOW DENT. Originated in Iowa. Very productive, ear large, with deep yellow grain on a small cob, stalk 9 to 10 feet, and matures in 110 to 115 days.

DELAWARE COUNTY DENT. Very productive; ears large, grain bright yellow and of great depth, maturing in 110 to 120 days from time of planting.

FARMERS' FAVORITE GOLDEN DENT. Early, with large ears, productive and adapted to thin soil.

CHESTER COUNTY MAMMOTH. Grain large, deep and bright yellow; stalk large, averaging 12 feet.

EARLY YELLOW CANADA FLINT. Well adapted to the North and for late replanting.

HICKORY KING. The largest-grained and smallest-cobbed pure White Dent Corn in cultivation.

Ensilage and Fodder Corn

RED-COB ENSILAGE. This new and superior ensilage corn we can recommend as the heaviest cropping variety, producing 50 to 75 tons per acre. It is a pure White Dent Corn, growing on a red cob. The fodder is sweet, tender, juicy, grows 13 to 14 feet in height. Peck, 50c.; bush., \$1.35; 10 bush. and over, \$1.25 per bush., sacks included.

BLUNT'S PROLIFIC ENSILAGE. Also called Mammoth Ensilage. Has produced 70 tons of fodder to the acre, and is one of the most popular. Peck, 60c.; bush., \$1.60; sack of 2 bush., \$3.00; 10 bush. and over, \$1.45 per bush.

SOUTHERN HORSE TOOTH. Adapted for ensilage. Peck, 50c.; bush., \$1.25; 10 bush. and over, \$1.15 per bush.

SUGAR CORN FOR GREEN FODDER. Profitable for milch cows. Bush., \$3.50; 5 bush. and over, \$3.25 per bush.



SPRING RYE, SHOWING HEIGHT AND PRODUCTIVENESS OF STRAW.

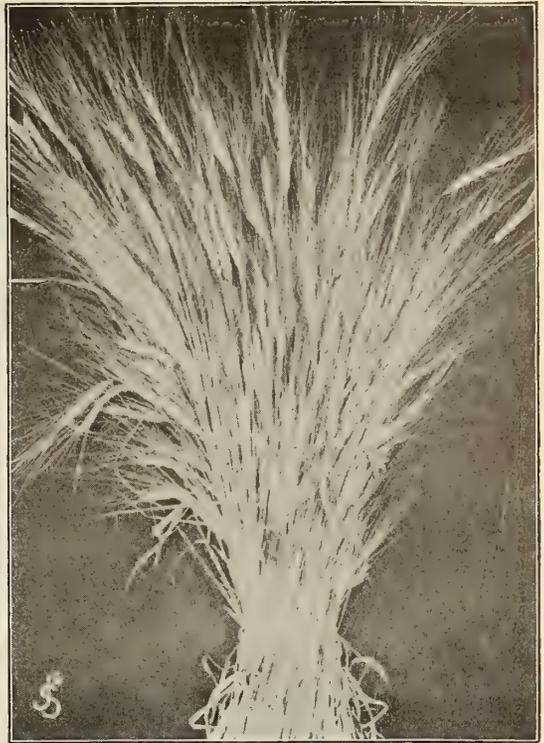
SPRING RYE

Distinct from the winter rye, grain of finer quality and more productive; can be successfully grown in any latitude, and is now being largely sown in the Middle States in place of oats, being a much more profitable crop, on account of the production of nearly four times the straw, and also as a "catch" crop where winter grain has failed. The straw is equally as valuable as that of the fall or winter rye, standing stiff, 7 to 8 feet high. Produces 30 to 40 bushels of grain per acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, postpaid; peck, 50c.; bush., \$1.40; 2 bush., \$2.75; 5 bush. and over, \$1.35 per bush., bags included.

BUCKWHEAT FOR SEED

NEW JAPANESE. The kernels are nearly twice the size of any other, of a rich dark brown color, and manufacture a superior flour. It has rapidly displaced all others, and is now more largely planted than any other, being about two weeks earlier. Pkt., 10c.; lb., 25c.; 3 lbs., 60c., postpaid; qt., 15c.; peck, 40c.; bush., \$1.20; 5 bush. and over, \$1.15 per bush., sacks included.

SILVER HULL. Qt., 15c.; peck, 40c.; bush., \$1.25.



HEADS OF SPELTZ, OR EMMER.

Speltz, or Emmer (*Triticum Spelta*)

This grain has been grown for centuries in Russia, near the Caspian Sea. It was recently brought to this country by an emigrant, and has already attracted very wide attention on account of its successful cultivation in the Northwestern States. The grain is intermediate between wheat and barley, and is readily eaten by all kinds of stock. It is adapted for milling, as well as for feeding, making a grade of flour similar to rye. The straw resembles wheat straw. It grows large crops—40 to 80 bushels per acre—on poor lands, stony ground and open prairies, and will give double the crop of oats or barley. It resists drought successfully, and is adapted to droughty sections and Northern latitudes. Drill at rate of 3 bushels per acre. Pkt., 5c.; lb., 30c.; 3 lbs., 75c., postpaid; by freight or express, qt., 15c.; peck, 50c.; bush., \$1.50.

Spring Wheat

SASKATCHEWAN FIFE. This wheat is pronounced by the great milling kings of the Northwest the best. Fifty bushels to the acre is not an uncommon yield. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, postpaid; by express or freight, peck, 65c.; bush., \$2.00; 5 bush. and over, \$1.75 per bush., bags included.

Seed Barley

NEW MANSHURY. Earliest and most productive. Qt., 15c.; peck, 50c.; bush., \$1.40.

SPRING BARLEY. Most popular in the North. Qt., 15c.; peck, 50c.; bush., 48 lbs., \$1.35.

Tobacco Seed

CONNECTICUT SEED LEAF. Saved from selected plants. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

HAVANA. Genuine imported seed, direct from Cuba. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.75.

SUMATRA, STERLING, GENERAL GRANT, PENNSYLVANIA AND LANCASTER BROAD LEAF, each, pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Fruit Tree Seeds

Peach Pits. Pure Tennessee, natural, lb., 20c., postpaid; bush., \$2.75. **Apple Seed,** lb., 40c.; bush., \$8.50. **Apricot Pits,** oz., 10c.; lb., 50c. **Plum Pits,** oz., 10c.; lb., 50c. **Pear Seeds,** French, oz., 20c.; lb., \$2.00. **Quince Seed,** oz., 20c.; lb., \$1.75. **Mulberry Seed,** oz., 30c.; lb., \$3.00. **Osage Orange.** For hedges. lb., 45c.; bush., \$8.00.



Golden Fleece Oats

First Introduced by Us in 1901

Three years ago we secured from the originator in Genesee County, New York, his entire crop of seed of this valuable new oats and offered it for sale for the first time. Hundreds of customers have written us about its merits, and we regret we have not room to publish more of the hundreds of letters received from them. It is, without doubt, the heaviest cropping and handsomest oats ever introduced. One of the largest and most experienced oat growers in Chester County, Pa., says:

"Its wonderful productiveness is far beyond what the most enthusiastic farmers in this section ever expected to realize." The field photograph herewith represents our crop while being harvested, and after threshing and cleaning for seed the yield was 108 bushels per acre of large, plump, handsome, meaty, white grain, weighing 44 lbs. to the bushel. The yield of other varieties on neighboring farms was from 35 to 50 bushels per acre, or less than one-half that of the **GOLDEN FLEECE**. This can be partly attributed to the fact that in many cases the spikes or breast will contain **three full kernels** where other oats give but two. The straw is very strong and does not lodge even when others with less weight of grain in the head go down. The blade is nearly double the size of that of ordinary oats, which is the best evidence of its inherent vigor. This new oats is remarkable for its heavy stooling property, and for this reason 6 pecks (1½ bushels) is sufficient to seed an acre. Prices: Lb., 35c.; 3 lbs. for \$1.00, by mail, postage paid. By freight or express: Per peck, 65c.; per legal bush. (of 32 lbs.), \$1.75; sack of 3 legal bush. (96 lbs.) for \$5.00; 10 bush. and over, \$1.50 per bush., sacks included.



SECTION OF OUR FIELD OF GOLDEN FLEECE OATS.

What Others Write of Golden Fleece Oats

Never Saw Anything Like Them

C. E. BRADLEY, Patten, Mo., November 6, 1903, writes: "I never saw anything like the Golden Fleece. I counted 17 different shoots with full heads of grain from one seed sown, and 4 bushels sown harvested over 200 bushels."

20 Bushels More per Acre

D. L. McCOWN, Mount Air, Pa., October 24, writes: "Your new Golden Fleece Oats have yielded 20 bushels more per acre than the common White Oats sowed beside them."

47 Bushels from 20 Quarts

ARTHUR C. VAN HORN, Groton, N. Y., August 17, writes: "I planted last spring 20 quarts of the Golden Fleece, which yielded me 47 bushels of plump, heavy grain of very finest quality."

They Meet with Ready Sale

CHAS. C. HORTON, East Troy, Pa., September 20, writes: "Your Golden Fleece Oats are the finest. I could have sold at high prices 200 bushels to those who saw them grow, but I had none to spare."

Over 150 Bushels from 3 Bushels

F. B. ROTHFUSS, Blissfield, Mich., September 18, writes: "From the 3 bushels of Golden Fleece Oats sown I threshed over 150 bushels; they are of the finest ever seen here."

Best in 30 Years' Experience

O. W. WILSON, Spencer, Mass., October 14, 1903, writes: "Golden Fleece produced the best crop of oats that I have ever raised in 30 years' experience or have ever seen in this State."

Standard Varieties of Northern-Grown Seed Oats

Prices of each of the following: 30c. lb., or 3 lbs., 65c., postpaid; by freight or express, peck, 40c.; per legal bush. (32 lbs.), \$1.20; 10 bush. and over, \$1.10 per bush., bags included.

White Maine, very early, handsome, wonderfully fine and productive.

Mortgage Lifter; **Danish Island**, originally from Denmark; very early and hardy.

Lincoln, early and rust-proof, with strong stiff straw.

Welcome, **Clydesdale**, **White Russian**, **Virginia Winter Turf**, and other well-known and popular varieties of seed oats, choicest seed carefully re-cleaned, at above prices.

Where larger lots of Seed Grain than those quoted on this and other pages are wanted, please write us for special prices. No trouble for us to answer your letters and inquiries at any time.



THE FARMER IS THE REAL CAPITALIST—A BRIGHT OUTLOOK

The farmer is the real capitalist and aristocrat. He has brought out of the earth this year enough to buy a large majority of the big corporations of the country. The corn crop would buy, at present quotations (December 15, 1903), all the stocks and bonds of the United States Steel Corporation, and have 200 millions left over with which to buy the independent companies. The hay crop is worth 560 million dollars, or more than the present market value of a controlling interest in all the stock of the Pennsylvania, New York Central, Erie, Baltimore & Ohio, Atchison and Union Pacific Railroad Companies combined, and is likewise worth as much as the net earnings of all the railways of the United States in 1902. It is estimated that the aggregate value of our crops in 1903 is close to 5,000 million dollars, which would buy at par the total capital stocks of 80 per cent. of all the railroads of the country. Now, with such a tremendous accretion of real national wealth, and the prosperity which it indicates to the great agricultural and the transportation industries, how can one be a "bear" upon the country or anticipate commercial disaster?

While some of the so-called great financiers of the large cities have been facing bad times for the past year, the farmers with their fields in the East, their prairies in the great West and their cotton plantations in the South, are filled with invigorating cheerfulness and can see only clear skies ahead. Thank God that we live in the greatest and most resourceful country of the globe!

VELVET BEAN (The Great Nitrogen Gatherer)

A Worthy Rival of the Cow Pea

This new and important forage plant from India is creating a great sensation throughout the Middle and Southern States, where it is supplanting the cow pea for cattle food and as a soil renovator. Since our introduction of it four years since, it has been grown in many of the far Northern States with great success and is worthy of a trial everywhere. Its nitrogen-gathering properties are said to surpass those of the cow pea. It is the ranker grower of any of the legumes; two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two to three feet thick with a mass of foliage and vines 20 to 25 feet long, no matter how poor the soil. It leaves a mulch on the ground that is very beneficial to the soil.

Dr. Stubbs, Director of the Southern State Experiment Station, says: "I believe that it can be cut advantageously almost any time from June to October, and cured in less time than cow pea hay, because the stems are smaller. It makes an excellent hay and stock eat it well. A heavy nitrogen gatherer, and the tubercles on its roots are the largest of any plant I have observed; corn-like clusters of tubercles have been collected, that make a mass, from one single growth, almost as large as a common hen's egg. The vines of this plant are now about 30 feet in length, from seeds planted in May." The cultivation is the same as for cow peas. Prices, pkt., 10c.; lb., 25c.; 3 lbs. for 60c., by mail, postpaid; by freight, qt., 20c.; peck, 90c.; bush, of 60 lbs., \$3.50.

SOJA BEAN—Late Variety

The demand for the SOJA or JAPANESE SOY BEANS has grown remarkably of late years. Their great value is as a forage crop and for fertilizing the soil and for pasturing or feeding the green fodder much in the same way as the cow pea. This late variety is very valuable south of the Potomac and Ohio Rivers. Sow broadcast one-half bushel to the acre, or it may be planted in drills three feet apart and one foot between plants. Pkt., 10c.; lb., 25c.; 3 lbs., 60c., postpaid; by freight or express, qt., 20c.; peck, 60c.; bush., \$2.00; 5 bush. and over, \$1.75 per bush.

SOJA BEAN—New Early Variety

The ordinary or late soja bean, described above, while valuable south of the Potomac and Ohio Rivers, is too late to be of value in the far Northern States. This variety ripens in all the Northern States, where it has been grown over four feet in height, heavily podded with seed and yielded over ten tons per acre. It is a valuable fodder variety either for feeding green or for the silo. Being a rich nitrogenous feed, it is unsurpassed as a flesh-former, and, like the clovers, is a soil-improver, deriving its nitrogen from the air. All who are interested in this class of plants should give our New Early Soja or Soy Bean a trial. Choice seed grown for us in Michigan. Lb., 25c.; 3 lbs., 60c., by mail, postage paid; by express or freight, qt., 25c.; peck, \$1.00; bushel of 60 lbs., \$3.75.

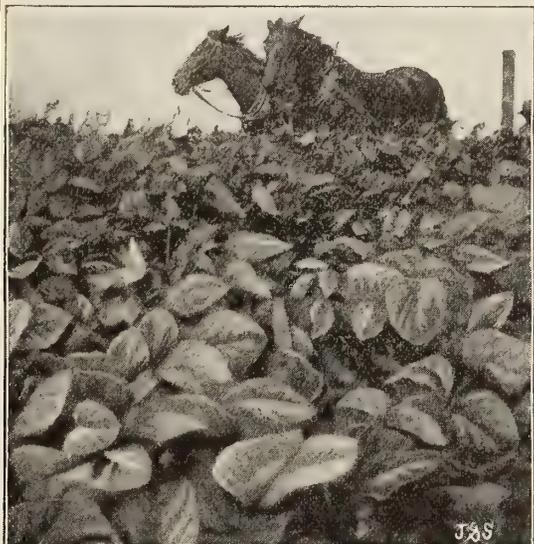
CANADA FIELD PEAS AND OATS FOR FODDER

For Dairy Cows and Hogs, Equal to Corn, and Six Weeks Earlier.

These make a fodder and hay which in every case doubles the production of milk. The Canada Field Pea, which we sell at \$1.75 per bushel, is the best for this purpose. They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about four inches deep; the oats then sown and harrowed in. They will be ready for cutting about the latter end of June, when the oats are in milk and the pods formed on the peas. Farmers who have never sown this crop will be surprised at its large yield. It is a nutritious food and relished by all kinds of farm animals. This crop also makes an excellent soil-improver when turned under like cow peas as described above. Since we first called attention to the great value of Canada Field Peas for this purpose, some years ago, the demand has become so great that we are now having them grown by the carload in Canada and can always quote **LOW PRICES BY LETTER** when wanted in lots of 10 bushels and upwards.

PEAS For Fodder and Plowing Under

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars."—U. S. Department of Agriculture.



FIELD OF SOUTHERN BLACK OR RAM'S HORN COW PEAS IN THE NORTH. SOWN JUNE 16th, PLOWED UNDER AUGUST 31st.

COW PEAS (The Great Soil Improver)

Make Poor Land Rich. Make Good Land More Productive. Enriching the Soil Even When the Crop is Cut Off.

Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the cow pea is most popular, especially for medium or light soil. They should be sown in May or June, at the rate of 1½ bushels to the acre, and plowed under as soon as they have attained their full growth. While this crop is very largely grown wherever known, with the results attained from it the wonder is, that it is not grown ten times as much as at present. There is no surer or cheaper means of improving poor soil than by sowing cow peas. In its capacity as a nitrogen gatherer its growth largely enables the farmer to dispense with the use of nitrogen or ammoniated fertilizers. Nitrogen or ammonia in commercial fertilizers is valued at fifteen cents per pound. The cow pea, to a greater extent than any other leguminous crop, with possibly the exception of the New Velvet Bean, described alongside, has the power to extract this costly nitrogen or ammonia from the atmosphere.

COW PEAS FOR HAY

If planted early, say by middle of May, in the central corn belt section, a crop can be cut and cured for hay the same as clover, then the stubble in a short time will put out a new growth to be turned under in the fall as a fertilizer.

The best varieties for all purposes are the following: PRICES variable with the market.

	PER BUSH.
SOUTHERN BLACK EYE COW PEA	\$2.25
EXTRA EARLY BLACK EYE COW PEA	2.75
BLACK, or RAM'S HORN " "	2.00
WHIP-POOR-WILL and CLAY, EACH	2.25

PRICES BY LETTER ON LARGER LOTS.



PLANT OF SAND OR WINTER VETCH—NOTE THE GREAT NUMBER OF SMALL TUBERCLES ON ROOTS.

SAND, or WINTER VETCH (*Vicia Villosa*)

Vicia Villosa succeeds and produces good crops on poor sandy soils as well as on good land; grows to a height of four to five feet. It is perfectly hardy throughout the United States, remaining green all winter, and should be sown in the spring, mixed with oats, winter rye or barley; or during August and September with spring rye, which serves as a support for the plants. It is the earliest crop for cutting, being harder and nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops. Every dairyman and stock-breeder in the United States should have a field of it, and if you try it once you will never be a season without it. It is exceedingly nutritious, eaten with relish, and may be fed with safety to all kinds of stock. Sow 50 to 60 lbs. per acre with one-half bushel of rye, oats or barley. Lb., 35c.; 3 lbs., \$1.00, postpaid; 10 lbs., 25c.; 10 lbs., \$2.00; bush. of 60 lbs., \$7.00; 100 lbs. and over, 10c. per lb., by freight or express.

SPRING VETCHES, or TARES

A species of very small pea, grown extensively in England and Canada for stock feeding. The seed is also largely used for pigeon feed. Culture same as for field peas. Lb., 25c., postpaid; qt., 20c.; peck, \$1.00; bush., \$3.50, by freight.

KAFFIR CORN—The Great Forage Plant

Will make a fine crop of forage if cut in early bloom, and the shoots that then follow will mature a full crop of seed and forage. Both grain and fodder are excellent, the whole stalk tender to the full maturity of seed. There is no failure about it, as it possesses the quality that all the tribe possess, of waiting for rain without any loss of capacity to yield. The grain is extremely valuable for feeding to poultry and will make a flour that is like wheat. Cultivated the same as our common Indian corn, requiring four to five pounds of seed per acre. By mail, pkt., 10c.; lb., 25c.; 3 lbs., 60c.; by freight or express, qt., 15c.; peck, 60c.; bush., 60 lbs., \$1.75.

RED AND WHITE MILLO MAIZE

These are popular varieties of sorghum, somewhat similar to the above, valuable for both forage and grain. Four pounds will plant an acre. Cultivation is same as for Kaffir Corn. Pkt., 10c.; lb., 25c.; 3 lbs., 60c., postpaid; by freight, qt., 15c.; peck, 60c.; bush., \$2.00.



DWARF ESSEX RAPE—EIGHT WEEKS FROM SOWING.

TRUE DWARF ESSEX RAPE

Dwarf Essex Rape, of the True Biennial Variety, is now largely grown in this country on account of its rapid growth, being ready to feed in eight to ten weeks from sowing, and producing twenty-five to thirty tons of green forage to the acre. It grows to a height of three feet and covers the surface so densely as to smother out all weeds. It can be sown all through the season, being perfectly hardy, withstands drought, and will produce a crop in any soil by sowing broadcast at the rate of five to ten pounds to the acre. While unequaled as a pasture for sheep, as a food for all cattle, calves or pigs, it is without a rival, its fattening properties being twice as great as clover, making a much relished and most succulent food from May to December. Lb., 25c.; 3 lbs., 60c., by mail, postpaid; by express or freight, lb., 15c.; 10 lbs., \$1.00; 25 lbs., \$2.00; bush. of 50 lbs. for \$3.50; 100 lbs. and over, at 6c. per lb. Special prices by letter for larger lots.

EARLY AMBER SUGAR CANE

The high value of Northern grown sugar cane for fodder and ensilage is becoming rapidly known. It may be made to furnish the principal food for cattle, horses and mules from August until the following spring. When fed down young as a pasture it grows rapidly again. It also withstands severe drought with the best of this class of plants. As a fodder and for winter feed it is one of the most economical.

The Early Amber is the best for fodder as well as for sugar, as it matures quickly, and has been cultivated as far North as St. Paul, Minn. The seed is valuable also as food for horses and cattle, and is greedily eaten by poultry, increasing the egg-production. By mail, postpaid, lb., 25c.; 3 lbs., 60c.; by express or freight, qt., 20c.; peck, 70c.; bush. of 56 lbs., \$2.25; 5 bush. or over, \$2.00 per bush.

TEOSINTE

(*Reana Luzuriens*)

This gigantic Grammea will furnish a continuous daily supply of most nutritious green food for horses and all kinds of cattle all through the summer. It also makes splendid dry fodder, yielding enormously, and being more nutritious and better relished by all stock than corn fodder. In appearance it somewhat resembles Indian corn, but the leaves are much larger and broader, and the stalks contain sweeter sap. It stools out enormously after being cut. Sow in May or June, at the rate of three pounds per acre, in drills four feet apart. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c. postpaid; by express or freight, lb., 70c.; 5 lbs. and over at 65c. per lb.



TEOSINTE GROWN AT FLOBACROFT.



Jerusalem Artichoke Roots

This variety is not produced from seed. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog food known. They are remarkable for their fattening properties, great productiveness (over one thousand bushels having been grown on one acre) and ease with which they can be grown. They need not be dug; the hogs should be turned in on them, and will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Three bushels will seed an acre. They should be cut the same as potatoes, one eye to a cut being sufficient, planted in April or May, in rows three feet apart and two feet in the rows, and covered about two inches deep. They can be shipped at any time during the season, as they are not injured by freezing. Lb., 35c.; 3 lbs., \$1.00, postpaid. By freight or express, peck, \$1.00; bush., \$3.00; bbl. of 3 bush. (enough for one acre), \$7.50.

Chufas, or Earth Almond

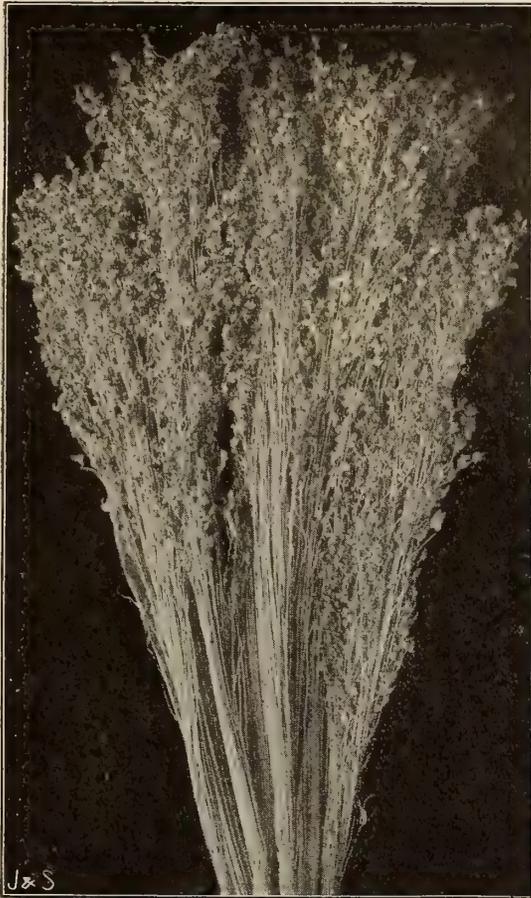
(*Cyperus Esculentus*.)

A species of "grass nut" used to fatten hogs. They should not be confounded with the cocoa, or nut grass, for though it belongs to the same class, the Chufa is eradicated with great ease, and is never a pest. The nuts grow under ground, very near the surface, easily reached by pigs or poultry. Plant in April, ten to twelve inches apart in three-foot rows. Cover lightly. If the seed is very dry, soak well before planting, to secure a good stand. They mature early in September, and lie in the ground till wanted. One peck of seed to the acre. Pkt., 10c.; pint, 25c.; qt., 40c., postpaid. By express, qt., 25c.; peck, \$1.25; bush. \$4.50.

Long White Cow Horn Turnip

THE MOST POPULAR AND BEST FOR STOCKMEN

Has rapidly grown in favor for agricultural purposes. It is a fine keeper, heavy cropper; color pure white, except a little shade of green at the top, and is carrot-like in form growing nearly half out of the ground, and generally slightly crooked. It is delicate and well flavored, of rapid growth and very nutritious. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c. lb., 50c., postpaid; 5 lbs. and over, by express, 35c. per lb.



BRUSH OF WEBER'S IMPROVED EVERGREEN BROOM CORN.

Weber's Improved Evergreen

THE BEST BROOM CORN IN CULTIVATION

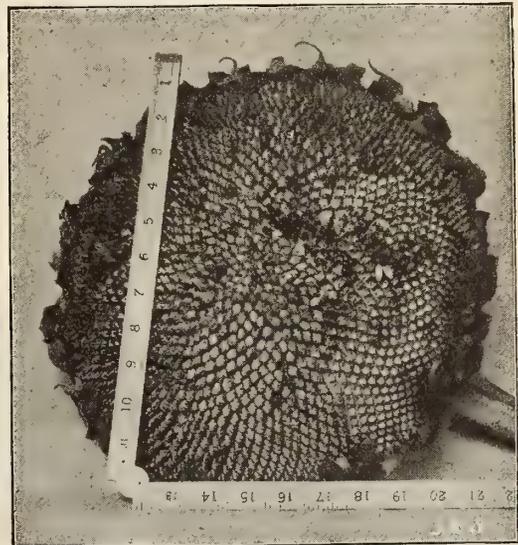
The high prices which have prevailed the past three years for broom corn brush indicate that the demand has overtaken the supply, and farmers, where possible, should add it to their crops. The most important question is the securing the best variety and good seed. Weber's Improved Evergreen is the best and purest in cultivation, originated and selected by Mr. Geo. Weber, one of the largest growers of Montgomery County, Pa., who has for many years had the reputation of having the best in the State, having made his stock famous by selection and improvement for length, strength and straightness of brush. It is of a very bright green color without the slightest reddish tinge. It makes by far the best brooms of any corn grown and commands the very highest prices. Customers who have grown this corn report yields of over 1,000 lbs. of brush to the acre. Height, 7 to 8 feet. Lb., 35c.; 3 lbs., 75c., postpaid; qt., 25c.; peck, 90c.; bush., \$3.00; sack of 2 bush. for \$5.50.

Evergreen Broom Corn

The old standard variety largely grown in many sections of the West, but is not equal to or as salable as the brush of the Weber's Improved. Qt., 20c.; peck, 75c.; bush., \$2.50.

Wild Rice (*Zizania Aquatica*)

A native plant, furnishing food for wild fowl, ducks, geese, etc., also valuable as a forage plant for swamps and inundated lands, as it grows rapidly, and all stock are fond of it when green or cured for fodder. It attracts all wild birds from September on, and also purifies the water and affords a refuge for the small fry from the large fish. To sow:—"Put the seed in coarse linen or cotton bags, and sink in water for 24 hours. Sow in water which is from 6 inches to 5 feet deep, in soft mud bottom, and in places where there are but few weeds. It is useless sowing this seed except on a mud bottom, or on low marshy places which are covered with water the year round. In running water sow as much out of the current as possible." Lb., 35c.; 3 lbs., \$1.00, postpaid; by express, lb., 25c.; 10 lbs. and over, 20c. per lb.



A SEED HEAD OF MAMMOTH RUSSIAN SUNFLOWER.

Mammoth Russian Sunflower

THE GIANT OF ALL SUNFLOWERS

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at a less expense than corn. It is highly recommended for poultry; the best egg-producing food known; the leaves make splendid fodder, much relished by all kinds of stock. The seed is good feed for horses, and yields a fine quality of oil. The strong, thick stalks are used for fuel. Oz., 5c.; qt., 15c. (qt., postpaid, 25c.); peck, 60c.; bush., \$2.00; sack, 2 bush., \$3.75; 5 bush. and over, \$1.75 per bush.



American Ginseng

It is claimed by good authorities that the cultivation of Ginseng in America is a coming industry of immense proportions. We are, however, not as enthusiastic over the great fortunes to be made from it as some. The extensive advertising given it by others has brought us so many inquiries for the seed and plants that we give it a place in our catalogue, but advise our customers to go into it only in a small experimental way at first. The land needed for its cultivation is so very little that even a restricted city lot will hold a bed. Any one can cultivate it and little time is required. Ginseng



GINSENG PLANT AND ROOT.

root brings from \$5.00 to \$8.00 per pound in American markets for exporting to China, where they are considered a marvelous "cure-all." Seeds and young plants also bring splendid profits to growers here.

Ginseng may be set at any season of the year, as the plant is extremely hardy, so far as cold is concerned, and was originally found a native of many parts of Northern New York and Canada. Our *New Leaflet Essay* giving history, possibilities, directions for culture, etc., will be sent with all orders for seeds and plants when requested. American Ginseng seeds and plants are yet extremely scarce and prices quoted are subject to our present supply being unsold. Prices: Pkt. of 50 seeds, \$1.00; 3 pkts. for \$2.50; plants 1 year old, 15c. each, \$1.50 per dozen; 2-year plants, 20c. each, \$2.00 per dozen, by mail, postage paid.

Japanese Barnyard Millet

This wonderful and valuable new forage plant was introduced into this country by Prof. Brooks, of the Massachusetts Agricultural Experiment Station. It has proven an enormous yielder in all sections of the United States—hay and fodder of most excellent quality growing on any soil, yielding 12 to 20 tons per acre and growing 6 to 8 feet in height. Cattle and horses eat it greedily. Sow in May and June broadcast, 10 to 12 pounds per acre (it stools remarkably), or in drills, 8 lbs. per acre. Prices: By mail, postpaid, per lb., 30c.; 3 lbs., 75c.; by express or freight, lb., 20c.; 10 lbs., \$1.00; bush. of 30 lbs., \$2.00; bag of 2 bush. for \$3.50.



JAPANESE MILLET IN MASSACHUSETTS—FIELD FROM WHICH OUR SEED WAS SAVED BY THE INTRODUCER.

Siberian or Russian Millet

A new and wonderfully productive forage plant from Russia, which has given excellent results in the United States and is rapidly becoming the most popular of all the millets. It is extremely hardy, withstands drought wonderfully, and is about two weeks earlier than German Millet, growing four to five feet in height, much ranker, producing more leaves than either the Hungarian or German Millet. Its stooing properties are remarkable, as high as forty-one stalks having been grown from one seed. The leaves start close to the ground and continue nearly to the top of the stem, are wide and tender, making it preferable to all other millets for hay. Yield of hay is one-third to one-half more per acre than Hungarian and German; besides, the hay is softer when cured, greener in color and preferred by all stock, being very nutritious and fattening. Sow in May or June, 15 to 25 lbs. to the acre. Lb., 25c.; 3 lbs., 60c., postpaid, by mail; by freight or express, 10 lbs., 75c.; bush. of 50 lbs., \$2.00; 2 bush. and over, \$1.75 per bush.



SIBERIAN MILLET.

Pearl Millet, or Pencillaria

For several years we have been experimenting with all the known forage plants and have found nothing superior to Pearl Millet either in enormous growth or quality. It has produced the most abundantly and can be cut several times during the season. The United States Agricultural Department has also made numerous experiments and with about the same results as those at Floracraft. If you grow green forage, try East Indian or Pearl Millet, and you will find there is nothing better. Drill in 2 feet rows, 10 lbs. to the acre. By mail, postpaid, per pkt., 10c.; lb., 30c.; 3 lbs., 75c.; by freight or express, lb., 20c.; 10 lbs. (enough for 1 acre), \$1.00; bush. of 50 lbs., \$4.50.

German or Golden Millet (Southern Grown)

Southern grown German or Golden Millet Seed is far superior, both in quality and yield, to Western or Northern grown seed. When properly grown and handled, makes an enormous yield of nutritious feed, succeeding in almost any soil. Sow in May or June, one bushel to the acre. Price varies with the market. Qt., 10c.; bush., about 50 lbs., \$1.75.

Hungarian Millet

The most popular annual millet, yielding two or three tons of hay per acre. Sow $1\frac{1}{2}$ bushels to the acre in May or June. Price varies. Qt., 10c.; bush., 43 lbs., about \$1.50.

Australian Salt Bush

Valuable for arid and alkali soils. It remains green all winter, and will yield 20 to 30 tons to the acre. One pound of seed will plant an acre. Sow broadcast, in soil well pulverized, after all danger of frost is past. Mix the seed with ten times its weight of loam, sand, ashes or plaster; cover lightly, not exceeding $\frac{1}{2}$ of an inch. Or it may be sown in a hot bed, cold frame or boxes; transplant when two inches high. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20, postpaid.



High-Grade Extra Cleaned Clover and Grass Seeds

Our grass and clover seeds are extra cleaned and of the highest quality. We take great care to have them absolutely free from all noxious weed seeds.

POSTAGE ON CLOVER AND GRASS SEEDS

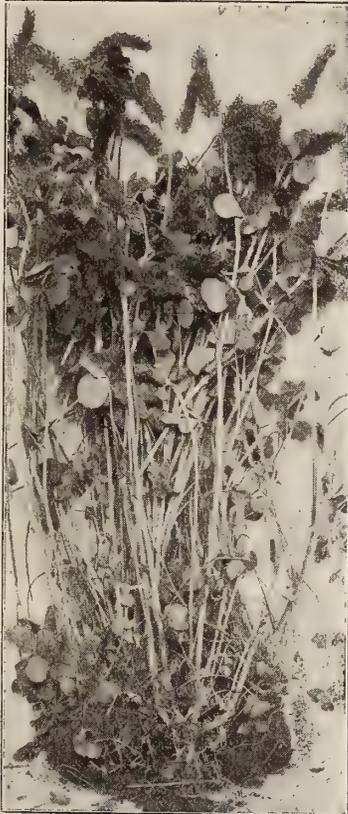
Remit, in addition to price, 10c. per lb. and 15c. per qt., except on light varieties, which do not weigh over 14 lbs. per bush., on which remit 5c. per qt., to prepay postage, when ordered to be sent by mail.

CRIMSON, or SCARLET CLOVER

(*Trifolium incarnatum*)

A most valuable crop is this annual clover. As an improver of the soil, or for an early summer forage or hay crop, it is first-class. As a green manuring crop for grain, fruit or trucking crops, it gives the very best results, while for improving poor land it has few equals. It succeeds on every kind of soil, standing Southern suns and Northern winters. It has succeeded in almost every State. Sow ten to fifteen pounds to the acre in June or July. Lb., 15c.; 10 lbs., \$1.00; bush. of 60 lbs., about \$3.75.

ALSIKE, SWEDISH, or HYBRID CLOVER. The hardest of all; well adapted for permanent pastures or for hay crop. Never heaves or throws in the winter; thrives equally well on wet or dry soil, through extreme droughts or excessive rains. Grows on clover-sick land and yields a heavy bulk of herbage where no other clover succeeds. Blossom heads much liked by bees. Sow six pounds per acre in spring or fall. Lb., 25c.; 10 lbs., \$2.00; 25 lbs., \$4.00; bush., 60 lbs., about \$8.50.



CRIMSON OR SCARLET CLOVER, THE GREAT NITROGEN GATHERER.

LUCERNE, or ALFALFA CLOVER. A perennial forage plant, and when once properly seeded in suitable soil, will produce fine crops for several years. It has a remarkably strong growth, roots penetrating the ground to a great depth—ten to twenty feet. Sow twelve pounds to the acre. Lb., 25c.; 10 lbs., \$2.00; bush., 60 lbs., about \$9.00.

TURKESTAN ALFALFA—(True). This variety imported from Turkestan has for the past few years withstood the drought of summer and cold dry winters both North and South better than ordinary alfalfa, giving two crops in the most northerly latitude where the other would winter-kill. Lb., 30c.; 10 lbs., \$2.50; bush. of 60 lbs., \$12.00.

WHITE DUTCH CLOVER. The best to sow with lawn grass and valuable in permanent pastures. Oz., 5c.; lb., 35c.; 10 lbs. and over, 30c. per lb.; bush., 60 lbs., \$15.00.

CLOVER COMMON RED. Lowest market prices.

MAMMOTH PEA VINE, or SAPLING CLOVER. Market variable. Write us for lowest market prices.

SAINFOIN, or ESPARSETTE. (Holy Hay.) A land-enriching, luxuriant, heat-resisting perennial clover. Lb., 15c. (lb., postpaid, 25c.); 10 lbs., \$1.00; bush. of 25 lbs., \$2.25.

BOKHARA CLOVER (Honey Plant). Excellent for bee food, growing well on poor soil. Lb., 30c.; 10 lbs., \$2.50.

Write for prices on Grass and Clover Seeds, stating kinds and quantities wanted. Prices vary with the market, and we can frequently supply lower than Catalogue rates.

HUNGARIAN BROME-GRASS (*Bromus Inermis*)

This great drought-defying, frost-resisting grass is now attracting much attention in the United States. It yields enormous crops of splendid hay, and affords rich, abundant pasturage. *Bromus Inermis* has been known in Europe for over one hundred and thirty years. It is grown extensively in Hungary and is commonly known as Hungarian, or Smooth Brome-grass. It endures extremes of temperature and resists protracted drought. It grows best in light, sandy loam, but its roots will penetrate the stiffest clays. It is equally good for cutting green, pasturing or cutting into hay. It can be sown alone and also does well sown with clover and timothy. Use 20 pounds to the acre if alone; if with clover, 15 pounds. It may be sown in the fall with winter wheat, or in the spring.

Seed, per lb., 30c., postpaid; by express or freight, qt., 15c.; bushel of 13 lbs., \$2.00; 2 bushels for \$3.75.

CANADIAN BLUE GRASS (*Poa Compressa*). The hardest grass in cultivation; should not be confounded with the Kentucky Blue Grass. Canadian Blue Grass shoots its leaves very early. All grazing animals eat it greedily; cows fed on it produce a very rich milk. It is especially relished by sheep. Its bluish green stems retain their color after the seed is ripe. An excellent grass for dry, sandy, thin soils and banks, and for covering the surface of rocky soils. Qt., 15c.; bush., 14 lbs., \$1.50; 5 bush. and over, \$1.40 per bush.

KENTUCKY BLUE GRASS (*Poa Pratensis*). Valuable for pasture when mixed with other varieties. Qt., 15c.; bush., 14 lbs., \$1.60; 5 bush. and over, \$1.50 per bush.

ORCHARD GRASS. One of the most desirable pasture grasses. Qt., 15c.; bush., 12 lbs., about \$2.25.

TIMOTHY. Qt., 20c.; bush., 45 lbs., about \$2.50.

HERD, or RED TOP GRASS. A valuable native permanent grass, as a mixture in meadows or pastures. Choice seed in chaff. Qt., 15c.; bush., 10 lbs., 75c.; in sacks of 50 lbs., about \$3.00; extra fancy solid seed, lb., 20c.; 10 lbs., \$1.50; 100 lbs. and over, 12c. per lb.

JOHNSON GRASS (SORGHUM HALAPENSE). Valuable for the South. Qt., 20c.; bush., 25 lbs., \$2.50.

NATURAL GREEN GRASS. Qt., 20c.; bush., \$3.00.

MEADOW FESCUE, or ENGLISH BLUE. Qt., 20c.; bush., 22 lbs., \$2.50. Sow 2 bush. to the acre.

TALL MEADOW OAT GRASS. A valuable grass for permanent pasture, on account of its early, luxuriant growth. Makes splendid hay. Qt., 20c.; bush., 13 lbs., \$2.25.

ENGLISH RYE GRASS. A nutritious, permanent grass for meadows and pastures. Qt., 20c.; bush., 24 lbs., \$1.75.

ITALIAN RYE GRASS. Qt., 20c.; bush., 20 lbs., \$2.00.

CRESTED DOGTAIL. A very valuable grass for lawns, golf links, etc., which require close cutting and to stand wear. Lb., 50c., postpaid; bush., 20 lbs., \$6.50.

WOOD MEADOW GRASS. Adapted for pleasure grounds under trees; fine for pastures under close feeding. Sow 28 pounds to acre. Lb., 50c., postpaid; bush., 14 lbs., \$5.50.

SWEET VERNAL GRASS (*True perennial*). Lb., 60c.; Sweet Vernal (*annual*), lb., 25c.; bush., 10 lbs., \$2.00.

MEADOW FOXTAIL, ROUGH STALKED MEADOW, RHODE ISLAND BENT, HARD FESCUE, SHEEP'S FESCUE, WATER MEADOW, WATER FESCUE, CREEPING BENT. Each, per lb., 40c., postpaid; 10 lbs. and over, 30c. per lb., by express.

FINE LEAVED FESCUE, TALL FESCUE, SHEEP FESCUE. Each, per lb., 45c., postpaid; 10 lbs. and over, 35c. per lb., by express.

Good Pastures are the Foundation of Successful Farming

SPECIAL MIXTURES FOR PERMANENT PASTURES AND MOWING LANDS

SOW TWO AND ONE-HALF BUSHELS TO THE ACRE

JOHNSON & STOKES' No. 1 MIXTURE FOR PERMANENT PASTURE. Contains, blended in proper proportions for the purpose, the following grasses: Orchard Grass, Sheep's Fescue, Meadow Fescue, Hard Fescue, Canadian Blue, Sweet Vernal, Meadow Foxtail, Tall Meadow Oat, Red Top, Kentucky Blue, Italian Rye Grass, Perennial Rye Grass, Rhode Island Bent, Timothy, Wood Meadow, Rough-Stalked Meadow, Alsike Clover, White Clover, Mammoth Clover. Bushel, \$2.50; 10 bushels, \$25 per bushel, sacks included.

JOHNSON & STOKES' No. 2 MIXTURE FOR PERMANENT MOWING. Contains, properly blended, according to condition of soil and climate: Red Top, Perennial Rye Grass, Orchard Grass, Timothy, Red Clover, Mammoth Clover, White Clover, Fined-Leaved Fescue, Rhode Island Bent, Rough-Stalked Meadow, Meadow Fescue, Meadow Foxtail. Bushel, \$2.50; 10 bushels and over, \$2.25 per bushel, sacks included.



Sown with JOHNSON & STOKES' EVERGREEN VELVET LAWN SEED MIXTURE, which, owing to its beautiful and enduring effect, is now annually used by many of the finest parks in the country, especially in New York, Philadelphia and Boston.

The judicious selection of Grass Seed, for the creation of a beautiful lawn or grass plot, or a durable pasture or hay crop, requires a knowledge obtained only by an intimate study of the habits of varieties as respects quality of herbage and vigor of constitution. It is not sufficient to select the one Grass indigenous to the soil or climate, for it may not possess the many qualities desirable for the purpose desired, for hardness and permanence, which combination of qualities and character is best found in a mixture of sorts.

A quart of Lawn Grass Seed will sow about 300 square feet. Three to four bushels are required to sow an acre. Instructions how to prepare and sow a lawn accompany each package or bag of seed.

JOHNSON & STOKES' EVERGREEN VELVET LAWN SEED MIXTURE

is the Best Lawn Grass Seed for the American Climate. With it you can renovate old and make new lawns, grass plots, tennis courts, golf links, etc., as soft as velvet and as green as emerald, which flourish during different months of the year, and insure a beautiful, dwarf, green, compact sward, remaining green and fresh throughout the season. It has become widely known, and is exclusively used on the finest public and private grounds around Philadelphia, New York, Boston, Chicago, and other cities. Quart, 20c.; 2 quarts, 35c. (qt., postpaid, 25c.); peck, \$1.00; bushel, 20 lbs., \$4.00.

FAIRMOUNT PARK LAWN GRASS SEED MIXTURE

This is composed of fine grasses, but less expensive than those used in our Evergreen Velvet Mixture, and will give excellent results. Quart, 15c. (qt., postpaid, 20c.); peck, 75c.; bushel, 14 lbs., \$2.50.

SPECIAL GRASS SEED MIXTURES FOR GOLF LINKS

Fair Green Mixture. (For outlying grounds.) Specially prepared of the most enduring and serviceable grasses, without clovers. Per bushel, \$2.50; 10 bushels and over, \$2.25 per bushel.

Putting Green Mixture. A carefully prepared combination of grasses for sowing on putting greens, which will produce a dense, close sward. Per bushel, \$4.00; 10 bushels and over, \$3.75 per bushel.



A famous golf ground near Philadelphia, sown with JOHNSON & STOKES' GOLF LINK MIXTURES.



FLOWER SEED NOVELTIES

It is our practice each season to test on our "Floracrot" Trial Grounds all Floral Novelties, and in this way we become, by personal positive knowledge, acquainted with all the best that is offered both in this country and abroad. Of many of the finer sorts, we grow our full stock of seed on our own ground, thus being enabled to know that the type is kept pure and true.



STOKESIA CYANEA.

STOKESIA CYANEA

(The Cornflower or Stokes' Aster)

No. 2655. This is one of our most charming and beautiful native hardy plants. The plant grows from 18 to 24 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms each measuring from 4 to 5 inches across. It is one of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border, but can be used with fine effect in masses or beds of any size. Like many other native plants which are neglected at home, this is grown in considerable quantities in Europe to supply the demand for blue cut flowers in the Autumn.

We have no hesitation in saying that Stokesia is one of the most valuable and desirable hardy plants offered. Seed: per pkt., 15c.; 2 pkts., 25c. Plants: each, 15c.; per doz., \$1.50.

New Annual Chrysanthemum

"GOLDEN WHEEL"

No. 705. This striking novelty is a very free blooming annual. The flowers assume a peculiar form, the quill-shaped golden yellow petals standing out all around the purple disk in the centre, like the spokes of a wheel. Very desirable for cutting, lasting a long time. Pkt., 15c.; 2 pkts., 25c.

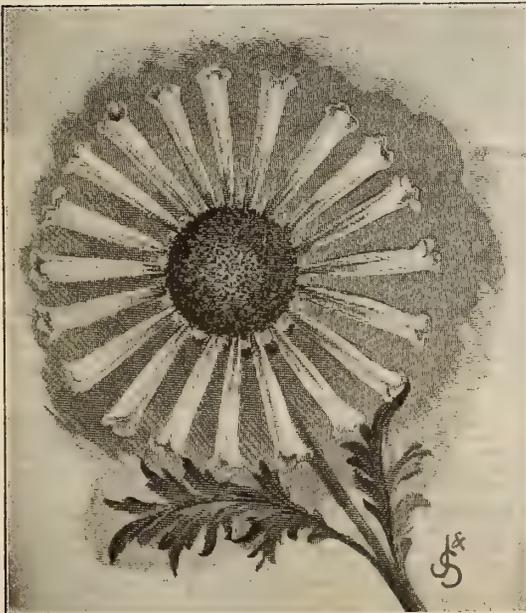


ANNUAL CHRYSANTHEMUM, "EVENING STAR."

New Annual Chrysanthemum

"EVENING STAR"

No. 706. These pure golden yellow flowers are often 3 to 4 inches across, and after cutting, last a long time in water. They are very beautiful, and make a valuable addition to our list of choice annuals for cut flowers. Price, per pkt., 15c.; 2 pkts., 25c.



CHRYSANTHEMUM, GOLDEN WHEEL.



NEW IPOMOEA—HEAVENLY BLUE.

New Ipomœa "Heavenly Blue"

No. 1665. This beautiful Ipomœa is of Mexican origin, and it is difficult to exaggerate its beauty. Its numerous flowers are three inches or more across, of a very brilliant azure blue, passing insensibly to a rosy violet, with a light-colored throat. Price, per pkt., 10c.

New Dwarf Star Phlox "Radiata"

No. 2368. The petals unite in the form of a small five or six-pointed star, quite unique in its appearance and of a peculiar charm. The plants are distinct in growth, being even dwarfer and more floriferous than any of the dwarf varieties; they form sturdy miniature bushes literally covered with blooms which retain their beauty for a very long period. The flowers are carmine red with two white stripes on each petal, a very pleasing tint which shows off their novel shape to particular advantage. Price, per pkt., 15c.



Giant Shasta Daisy

No. 1025. The Shasta Daisy is one of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. It is the first of a new type, which has been obtained by first combining the free-flowering American species with the large but coarse European species and the Japanese species, Nipponicum, after which rigid selection through a series of years has produced the present wonderfully beautiful and useful strain. Its first qualification is hardness; it can be grown out of doors by anybody, where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. It can be multiplied rapidly by simple division, and it is not particular as to soil, and it blooms for several months. The flowers are extremely large and graceful, averaging about 4 to 5 inches in diameter. Packet, 15c.

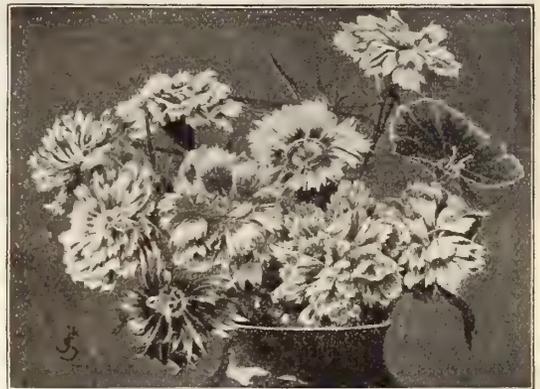


PRIMULA OBCONICA "VESUVIUS,"

Primula Obconica "Vesuvius"

No. 2422. The beautiful Primula Obconica have been enriched with a new variety, "Vesuvius," which is a fine true bright carmine color. The Obconica Primulas are all very desirable, being very floriferous and having a much longer blooming season than the P. Sinensis section. For other varieties see page 82. Price, per pkt., 20c.

NEW PINKS



DIANTHUS "ROYAL PINK."

"ROYAL PINK." (*Dianthus Heddegi Nobilis.*)

No. 1095. This is a great improvement on the old-fashioned Indian Pink, which has been a favorite for many years. They are of easiest culture and constant and graceful bloomers. The flowers are very large and the petals are frilled and fringed, giving the large flower a graceful and light appearance. The colors are, first of all, of a deep yet very bright blood red, then shade to carmine and pink and even white. The foliage is grayish blue, sometimes darker. The plant grows vigorously and tall, and gives lots of first-class cut flowers with long stalks, and keeping a full week in water. The more the blooms are cut, the more the plant will produce. Per pkt., 10c.

"STAR PINK." (*Dianthus Stellaris.*)

No. 1096. This novelty represents a new class of the Chinese Pink. Each single flower has the form of a 5 or 6 rayed star, hence the name, "Star Pink." They bloom continuously from June to October with a matchless display of color and variety of markings. Pkt., 10c.

DOUBLE DIANTHUS "SALMON QUEEN."

No. 1097. This beautiful double annual pink has finely fringed flowers of a fiery salmon red, turning to a charming salmon pink as they get older. Plants are 10 to 12 inches high, and bloom profusely throughout the whole season. Pkt., 10c.

"PINK COLLECTION"—One pkt. each of above 3 choice Pinks for 25c.

**Five Grand New Pansies****New Giant Pansy "Hero"**

No. 2313. No more beautiful pansy has ever been introduced than "Hero." It is a very large, well-shaped flower of great substance; has beautiful regularly crimped and curled edges, as shown in the illustration. Its color is an exquisite deep blue, shading to white on the upper petals. Price, per pkt., 20c.

Mme. Perret

No. 2312. A new French strain of pansies particularly rich in shades of red, but of the largest size and borne erect on long stems. Price, per pkt., 20c.

Pansy Giant "Pretiosa"

No. 2309. This flower is similar to the new "Masterpiece" Pansy introduced two years ago, and has the same frilled edges, but it is of the true giant five-spotted sort. Each petal marked with a large blotch of deep violet on a ground color of brilliant crimson rose, and each petal margined with a pure white edge. Price, per pkt., 20c.

Pansy Giant "Indigo King"

No. 2310. The brightest blue pansy ever offered. The old variety, "Emperor William," looks a dull color when compared with this grand new sort. Price, per pkt., 20c.



NEW GIANT PANSY, "HERO."

Pansy Prince Henry

No. 2311. A new giant variety of vigorous habit, the flowers often attaining $3\frac{1}{2}$ inches across, of a brilliant dark indigo with velvet lustre, each petal having a large black-brown veined blotch, like the Bugnot race, with slightly undulated edges. Price, per pkt., 20c.

Giant Novelty Pansy Collection

One pkt. each, above five choice new varieties, 75c.

New French Colletterte Dahlias

No. 1003. An entirely new type of Single Dahlia, which has produced a great sensation during the past two years wherever exhibited, and which have been awarded highest honors. The peculiarity of the type consists of their having a row of short petals around the disc, which form a frill or collar, and which are of an entirely different color from the rest of the flower (the arrangement is well shown in the illustration). Can be grown readily from seed. Price, per pkt., 20c.



FRENCH COLLETERTE DAHLIA.

Asparagus Plumosus Robustus

No. 302. A very remarkable variety of the now universally grown ornamental Asparagus. The fronds, which sometimes attain a length of 9 or 10 feet, are very finely feathered and of the darkest green color. Being of vigorous, robust and uncommonly rapid growth, this new variety yields more sprays for cutting than any other and has the further advantage of being very early and easily propagated. Price, per pkt., 15c.; per 100 seeds, \$1.25.





JAPANESE FERN BALLS

These are dormant balls of fern roots.

Directions for Starting.

Submerge the ball in water for fifteen minutes, then hang up where the temperature is about 70°. On the second day soak the ball for five minutes, after which water may be applied daily in sufficient quantity to prevent the roots from becoming dry. **Large size balls**, 7 to 9 inches in diameter, 40c. each (by mail, postpaid, 50c.); per doz., \$4.00. **Small size**, 5 to 7 inches in diameter, 25c. each (by mail, postpaid, 30c.); per doz., \$2.25.



STAR PETUNIAS.

NEW STAR PETUNIAS

No. 2344. In form, intensity of color and markings, this new strain of Petunias is something wonderful. From the centre of each flower start the points of a five-rayed star, which broadens half-way up, narrowing to a point at the margin of the flower.

Their ground color is a dark crimson maroon, with a rich velvety texture, justly pronounced equal to that of the pansy. Showing through the ground color are violet veinings.

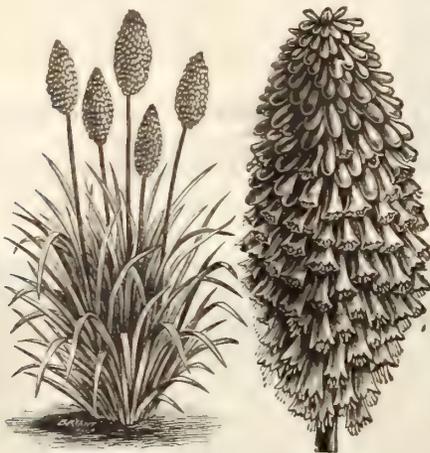
This star is a very light bluish pink, some almost white, which deepens in color as it reaches the margin and finally blends with the maroon ground color. Over 80 per cent. of the plants from seed will produce the star markings. Others with veined and feathery markings on dark or light ground are not less surprisingly beautiful.

The plants are free growers, branching freely and attaining an average height of 18 inches by 24 inches in diameter.

They are remarkably prolific bloomers, single plants often having one hundred or more fully expanded flowers at a time. Per pkt., 15c.; 2 pkts., 25c.

THE WILD-FLOWER GARDEN

No. 2960. Our Wild Flower Mixture consists of many varieties of beautiful, easy-growing flowers, producing a constant and varied bloom the whole season, for sowing in shrubbery, under trees and in beds on which no care will be bestowed, or even for sowing in exposed situations, where wildness is preferred to order and precision. The mixture comprises mignonette, candytuft, larkspurs, marigolds, poppies, foxgloves, and many other garden favorites, which will flower successively and yield an abundance of bloom. Large pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



TRITOMA PFIZERII.

TRITOMA PFIZERII

This new variety is a marvelous improvement over the old well-known "Red Hot Poker" plant. It is a very free blooming sort, flowering continuously throughout the season. The flowers are large spikes of brilliant flame color, with long stalks gracefully poised above the rich green foliage. A bed of this in bloom is a grand sight; a border of it around Cannas is admirable; scattered through the flower garden it adds grace and brightness and is in its glory when nearly all other flowers are seared with early frosts. The roots should be dug up before hard frost and kept in sand in the cellar during the winter. (*See cut.*) Price, 20c. each; \$2.00 per dozen.

NEW GLADIOLUS HYBRIDUS "PRINCEPS"

Hybrid between the rare African Gladiolus Cruentus and a selected Childsii seedling. Grows 4 feet high, with broad, healthy foliage. Spike erect and often 18 inches long, bearing 16 to 22 immense broad-petaled circular flowers, opening flat and perfect, 5 to 7 inches across. Color true Salvia scarlet with cream-white feathering on lower petals. Endures the sun and wind well, and opens perfectly to the last bud in water. Has received Award of Merit, Royal Horticultural Society, London, England, 1901. Price per bulb, 25c. each; \$2.50 per dozen.



OUR WILD FLOWER GARDEN AT FLORACRAFT. FLOWERS TO CUT FROM APRIL TO NOVEMBER.



General List of Flower Seeds

PLEASE ORDER BY NUMBER

ABRONIA

40. **Umbellata.** Charming annual trailer for vases, rockwork, etc. Pkt., 5c.
 45. **Abutilon.** Large bell-shaped flowers; various colors, richly veined. Mixed colors; tender perennial. Pkt., 10c.
 50. **Acroclinum.** Mixed double flowering. An "everlasting" for winter bouquets. Pkt., 5c.

ADLUMIA

60. **Cirrhusa** (Mountain Fringe or Allegheny Vine). A charming climber. Pkt., 10c.

AGERATUM

Annuals bearing a profusion of feathery flowers. Excellent for bedding in summer or pot culture in winter. Flowering profusely and continually; 2 feet high.

100. **Mexicanum.** Lilac blue. Pkt., 5c.
 101. **Lasseauxii.** Beautiful rose color. Pkt., 5c.
 102. **Choice Mixed.** Per oz., 25c.; pkt., 5c.
 104. **White Gem.** Very dwarf, free flowering. Pkt., 5c.
 105. **Little Dorrit.** Azure blue. Pkt., 5c.
 106. **Swanley Blue.** Large flowers; fine.



AGERATUM.

- Pkt., 5c.
 107. **Blue Perfection.** Very dark blue, dwarf, finest of all. Pkt., 5c.
 109. **Princess Victoria Louise.** Novelty. Centre white, edged with blue. Very beautiful sort, dwarf. Pkt., 10c

ALYSSUM

A garden favorite, flowering profusely throughout the season from spring-sown seed. Excellent for ribbon lines and edging. Very fragrant annual, 6 to 9 inches high.

140. **Sweet Alyssum.** Oz., 20c.; pkt., 5c.
 141. **Tom Thumb.** Dwarf. Oz., 25c.; pkt., 5c.
 142. **Little Gem.** Distinct, very dwarf. Oz., 40c.; pkt. 5c.
 143. **Saxatile Compactum.** Perennial; yellow. Pkt., 5c.
 144. **Carpet of Snow.** Pure white, only 2 to 3 inches high, a profuse bloomer, showing as many as 800 heads of snow-white flowers at one time on one plant; annual. Pkt., 5c.



BORDER OF ALYSSUM "CARPET OF SNOW."

AMARANTHUS

Ornamental foliage and flowering annuals. Very rapid growth and easy culture. For semi-tropical gardening they are very effective.

160. **Caudatus** (*Love-lies-bleeding*). Pkt., 5c.
 161. **Tricolor** (*Joseph's Coat*). Pkt., 5c.

AMPELOPSIS VEITCHII (*Boston Ivy*)

The *Ampelopsis Veitchii* is a hardy perennial climber from Japan, with beautiful, glistening, olive-green leaves, which turn a beautiful scarlet in the autumn. It is the best and most popular climber for covering stone or brick walls.
 180. **Seed,** 10c. per pkt.; 25c. per oz. **Plants,** 20c. each; \$2.00 per dozen.

ANTIRRHINUM

(*Snapdragon*)

Half-hardy perennials for the summer flower bed or border. Are very showy and flower the first season from seed. Two to three feet high.

220. **Nanum.** Dwarf, mixed. Pkt., 5c.
 221. **Majus.** Tall, mixed. Pkt., 5c.
 223. **Queen of the North.** Large, pure white; fine for beds or borders. Pkt., 10c.



AQUILEGIA, OR COLUMBINE

Hardy perennials, luxuriating in the moister situations in the garden, where they form permanent clumps, growing from 1½ to 3 feet high. The large, unique, long-spurred flowers, gracefully hung on long stems, are not only brilliantly effective on the plant, but equally as desirable when cut for vase and house decoration.

240. **Single Varieties.** Mixed. Pkt., 5c.
 241. **Double Varieties.** Mixed. Pkt., 5c.

AQUILEGIA, OR COLUMBINE.



ARCTOTIS GRANDIS. 10c.

ARCTOTIS GRANDIS

No. 250. A handsome new annual, growing luxuriantly in our climate and forming profusely branched bushes of about 2 to 2½ feet in height and breadth. Its flowers are large and showy, from 2½ to 3 inches across; pure white on the upper surface, embellished by a narrow yellow zone at their base; reverse of petals pale lilac. Pkt., 10c.



SUPERB ASTERS



VASE PÆONY PERFECTION ASTERS.

PÆONY FLOWERED PERFECTION ASTERS

A very favorite type. Thrifty upright plants; large, fine flowers, with long incurved petals. The Florists' Aster, and one of the finest.

321, Snow white; 322, Glowing crimson; 318, Brilliant rose; 323, Azure blue; 324, Purple; 320, Carmine, edged white; 325, Dark rose, edged white; 319, Blue, edged white; 326, Choice mixed sorts. Price, all the above, 10c. per pkt.

DWARF CHRYSANTHEMUM FLOWERED ASTERS

Plants only ten to twelve inches high, producing flowers of the largest size and choicest colors.

	PER PKT.
327. A. Chrysanthemum Flowered, mixed	\$0 10
328. A. Chrysanthemum Flowered, pure white	10

VICTORIA ASTERS

A magnificent race of Asters. The colors include many delicate and some gorgeous shades; flowers very double and four inches across, and from twenty to thirty in a single plant; fifteen to eighteen inches high.

355, Pure white; 356, Deep pink; 357, Light blue; 358, Deep scarlet; 359, Peach blossom; 360, Choice mixed sorts. Price, all the above, 10c. per pkt.

COMET OR PLUME ASTERS

A very beautiful and distinct class, with long curled and twisted petals formed into a loose yet dense half globe, resembling the Japanese Chrysanthemum.

345, Pure white; 346, New carmine; 348, Deep pink; 349, Delicate pink, edged white; 347, Choice mixed sorts. Price, all the above, 10c. per pkt.

GERMAN QUILLED ASTER

Flowers composed of tube or quill-shaped petals. Very beautiful, with a great variety of colors.

	PER PKT.
331. German Quilled. (<i>Betteridge's Prize</i>) Mixed	\$0 05
332. " " Pure white	65

DEEP SCARLET TRIUMPH ASTER

333. This is undoubtedly the most beautiful and perfect of all dwarf Asters. Each plant forms an elegant bouquet of itself, seven or eight inches high. The flowers measure from two and one-half to three inches across, of faultless form. The color is rich, brilliant scarlet; each plant bears at least thirty or forty flowers of exquisite beauty. Pkt., 10c.

NEW JEWEL OR BALL ASTER

A magnificent new class. The flowers are perfectly round or ball-shaped. Nine inches in circumference, the petals being short and incurved. Plants grow about 2 feet high, of steady habit.

	PER PKT.
351. Apple Blossom. Shell pink	\$0 10
352. Crimson. Very showy and handsome	10
353. Deep Rose. An excellent color	10
1 pkt. each of these 3 Glorious Asters, 25c.	
354. New Jewel. Mixed colors	10

NEW EXTRA EARLY GIANT PLUME ASTER

The Queen of the Market Asters have heretofore been our earliest Asters, but this new Giant Plume Aster is quite as early and grows to an immense size, many blooms measuring five inches in diameter. The long, recurved petals give the flowers an exceedingly graceful effect, heightened in many cases by the irregular character of the petals in the centre of the flower. The type is well established, the flowers all coming perfectly double.

	PER PKT.
364. Pure white	\$0 20
365. Pure rose	20

NEW OSTRICH FEATHER ASTER

366. The new Ostrich Feather Asters are a new type, with long, wavy, twisted feathery petals, like the wavy beautiful feathers of the ostrich. They are a very valuable addition to the decorative class of Asters. Flowers frequently measure four inches across, in long, thin, wiry stems. Price, mixed colors, 15c. per pkt.

CROWN ASTER

339. The centre of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large and freely produced; height, 18 inches to 2 feet. Pkt., 10c.; 3 pkts., 25c.

NEW YELLOW ASTER

361. A Yellow Aster is at last at our disposal. It is a double flower in the form of a perfect ball; the quills are close together, and of the *brightest sulphur-yellow*. The flowers are borne upon long, erect stems, excellent for cutting. Per pkt., 13c.; 3 pkts. for 25c.

QUEEN OF THE MARKET ASTER

The earliest Aster known, two to three weeks ahead of most of the other sorts, of dwarf branching habit, very double flowers, valuable for cutting. A favorite Florist's Aster for early market. Mixed.

302, White; 303, Pink; 304, Crimson; 305, Light blue; 306, Purple; 307, Mixed. Price, all the above, 10c. per pkt.

NEW BRANCHING ASTERS

The new Branching Aster is quite different in several respects from any Aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are of extraordinary size and exceedingly graceful, and are borne erect on very long stems.

	PER PKT.
310. White Branching Aster	\$0 10
311. Crimson Branching Aster	10
318. Shell Pink Branching Aster	10
312. Finest Mixed Branching Aster	10

NEW DWARF QUEEN ASTER

The dwarf, bushy plants grow only 10 to 12 inches high, and while branching very freely, the branches are upright (not loose in habit), making a dense compact bush. The flowers are of *extraordinary size*, perfectly double, and resemble the finest Victoria Asters in form.

	PER PKT.
335. Satin White Queen. Spotless white	\$0 10
336. Crimson Queen. Rosy crimson	10

POPULAR MIXTURE OF ASTERS

362. This is a mixture of all the best varieties of Asters suitable for cut flowers, consisting principally of white, pink and the brightest of red, with a small proportion of blue and purple and some intermediate shades. This mixture, being made by ourselves, we know contains only the most salable colors for cut-flower use, and offer it as a good substitute for the higher-priced separate colors. Large pkt., 15c.; oz., \$1.25.

363. **White Asters in Mixture.** This mixture is made up by ourselves of all the white-flowering Asters suitable for cut flowers, and includes Giant Comet Snow and White Branching. Large pkt., 15c.; oz., \$1.50.

NEW ASTER "WHITE LADIE"

330. This exquisite new Aster, of which we control the entire supply of seed, was offered by us in 1890, but the crop of seed the next season was an entire failure, and we are very glad to be able to again place it before our customers, knowing that all who try it will be charmed with its exquisite blooms. It is quite dwarf, thus making it suitable for decorative uses of all kinds, also for bedding. The needle character of the aster is of modern date, and is one of new type, which is attracting much attention, the long, graceful, tubular petals giving it a very distinct and attractive feature. Its pure white form makes it exceedingly useful as a cut flower and for use in designing; it remains fresh a long time after cutting, and this, with its long stems and beautiful form and dwarf habit, makes it one of the most valuable asters ever offered; it will prove a very useful and popular novelty. Price, per pkt., 10c.



MARGUERITE CARNATIONS.

CARNATIONS

663. **Marguerite Carnations.** Without exception, these are the most abundant bloomers of all the Carnation Pinks. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc.; they are of perfect form and large size. *Those sown in spring commence flowering in early summer, and continue to bloom in lavish profusion until checked by frost.* Pkt., 10c.; 3 pkts., 25c.

- | | | |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | | PKT. |
| 656. | Carnation Marguerite. Crimson | \$0 10 |
| 657. | " White | 10 |
| 658. | " Rose | 10 |
| 659. | " Striped | 10 |
| 666. | NEW DWARF LARGE FLOWERING MARGUERITE. An improvement on the above in size of flower, dwarfier and more stocky plants. Per pkt., 15c. | |
| 661. | Finest German Double Mixed. Saved from extra choice named double flowers. Pkt., 15c. | |
| 662. | Fine Double Mixed. Comprising the hardiest and best varieties for garden culture; 1½ ft. Pkt., 10c. | |
| 664. | FINEST DOUBLE STRIPED. Pkt., 10c. | |
| 665. | THE GUILLAUD, or RIVIERA MARKET. The Guillaud Pinks bloom profusely in the summer and autumn from spring-sown seed. The flowers are very large, of perfect shape, very fragrant. They contain flowers of clear yellow and others with yellow stripes. Pkt., 20c. | |
| 667. | NEW DOUBLE PERPETUAL (Chabaud). As early as the Marguerite Carnation, this new sort will be found invaluable for florists. <i>The stalks are very stiff and the flowers large and very double. The calyx rarely ever bursts, and the percentage of double flowers is very great.</i> Pkt., 15c. | |

Celosia (Coxcomb)

Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants as well.

CRISTATA, OR CRESTED VARIETIES

675. **DWARF CRIMSON.** Large combs. Pkt., 5c.
 676. **VARIEGATA.** Crimson and gold. Pkt., 5c.
 677. **JAPONICA.** Ruffled scarlet combs. Pkt., 5c.
 678. **GLASGOW PRIZE.** Immense crimson. Pkt., 5c.
 680. **QUEEN of the DWARFS.** Only 8 inches high; combs often 10 inches across; dark scarlet. Pkt., 10c.
 681. **EMPRESS.** Mammoth bright combs; bronze foliage. Pkt., 10c.
 679. **CRISTATA.** Mixed. Pkt., 5c.

PINK PLUME CELOSIA

(*Celosia Spicata*)

671. The flowers of this charming Celosia open of a fresh bright rose tint and the lower involucre change gradually to a silvery white, thus presenting to the eye a most charming combination of color. The elegant long-stemmed flowers preserve their beauty even in unfavorable weather, and furnish quite an excellent material for making up bouquets, etc. In addition to this they are very suitable for drying, and as the plant blooms for a very long period, it is equally valuable both for the open border and for culture in pots. Per pkt., 15c.
 682. **O S - TRICH FEATHER.** This new Feathered Celosia produces very large plumes, which are exquisitely curved and curled in exact resemblance to an ostrich feather. Pkt., 10c.



PINK PLUME CELOSIA.

CENTAUREA

(*Dusty Miller*)

Extensively used for margins, beds and vases. Half-hardy perennial.

685. **Candidissima.** Attractive, silvery, cut leaves; 1 ft. Pkt., 10c.

686. **Gymnocarpa.** Graceful, finely cut, silvery gray leaves; 1½ ft. Pkt., 10c.

CENTAUREA

Blue Bottle or Corn Flower

688. **BLUE.** Per pkt., 5c.
 689. **WHITE (Alba Pura).** Pkt., 5c.
 690. **DWARF VICTORIA.** Very dwarf, beautiful for borders. Per pkt., 5c.

CHRYSANTHEMUMS

Single Annual Varieties.

Summer blooming annuals, growing 12 to 18 inches high, very floriferous and effective for beds or cut blooms.

704. **Selected Mixed Varieties.** Comprising a full assortment of single and double varieties with the richest variety of colors, rich crimson, golden yellow, striped and mottled. Pkt., 5c.

708. **C. MAXIMUM.** A grand addition to our collection of choice hardy perennials. Its beautiful snow-white flowers are produced in great abundance the whole season, and as cut flowers they are unexcelled in lasting qualities. Pkt., 5c.



CENTAUREA, OR BLUE BOTTLE.

**CINERARIA**

Magnificent and indispensable flowering plants for spring decoration for the conservatory or window garden. The flowers measure 2 to 3 inches across, are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom.



CINERARIA ENGLISH PRIZE.

742. This prize strain has received the highest awards at the largest shows in England, and is unrivaled both in variety of color and marking and size and quality of bloom. Blooms measure $2\frac{1}{2}$ to $2\frac{3}{4}$ inches in diameter. Pkt., 35c.

740. *Maritima Candidissima* (Dusty Miller). Pkt., 5c.
741. *Acanthifolia* (Dusty Miller). Pkt., 5c.

CLARKIA

Charming annuals for flower beds, with colors, white, rose red, purple, etc., borne in profusion during the summer.

761. *Elegans* (Purple King). Pkt., 5c.

760. *Single Mixed*. Pkt., 5c.

762. *Double Mixed*. Pkt., 5c.

CLEMATIS

Hardy Perennial Climbers

780. *Jackman's Large Flowering Hybrids*. Pkt., 10c.

781. *Coccinea Scarlet*. Tubular flowers. Pkt., 10c.

783. *Flammula*. White, sweet scented. Pkt., 5c.

784. *Paniculata*. One of the finest; fine white flowers; strong grower; very hardy. Pkt., 10c.

CLEOME PUNGENS

(Giant Spider Plant)

800. A showy rose-colored annual, whose stamens resemble spiders' legs. Very effective planted among shrubbery. Height, 3 feet. Pkt., 5c.



COBÆA SCANDENS.

fragrant, and in color golden yellow, except the keel in the centre, which looks like brown velvet, and are followed by clusters of short, smooth pods, in which, when shaken, the seeds sound like a child's rattle, hence its common name. Pkt., 5c.

COREOPSIS

Very showy, free-flowering plants, natives of this country; fine for borders and beds; easily cultivated. Hardy annuals.

560. *C. Drummondii*. Yellow, with a circle of rich crimson brown; 1 ft. Pkt., 5c.

561. *C. Atroscandens*. Dark crimson; 2 ft. Pkt., 5c.

562. *C. Mixed*. Pkt., 5c.; oz., 20c.

563. *Coreopsis lanceolata*. The flowers of this charming new hardy perennial are borne on long stems and are of a lovely bright golden-yellow color. Pkt., 10c.

564. *Calliopsis Golden Wave*. Pkt., 5c.; oz., 20c.



COREOPSIS.

COSMOS

932. *Mammoth Perfection*. Very large flowering; petals deeply ribbed and of splendid substance; mixed colors. Pkt., 10c.

931. *Pearl*. Beautiful snow white. Pkt., 5c.

930. *Cosmos Hybrids*. Mixed sorts. Pkt., 5c.

934. *Dawn*. New early blooming. Comes into flower in July, and continues a mass of bloom until cut by frost. Price, per pkt., 10c.

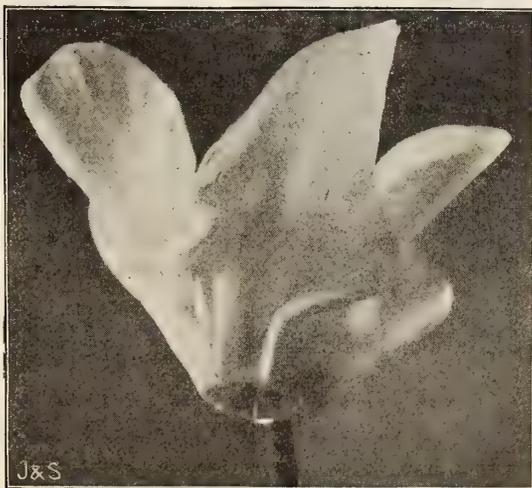


NEW EARLY BLOOMING COSMOS, "DAWN."

CYCLAMEN PERSICUM GIGANTEUM

Grown by a specialist, who has received the highest awards at the largest English shows, and is unquestionably the finest strain of Giant Cyclamen obtainable.

	PER PKT.
962. <i>Crimson Queen</i> . Rich deep maroon red	\$0 25
963. <i>Dixon Hartland</i> . Pure white, claret base	25
964. <i>Duke of Connaught</i> . A superb cherry color	25
965. <i>White Swan</i> . The finest white Cyclamen in cultivation	25
966. <i>Rosy Morn</i> . Bright rose with claret base	25
961. <i>Cyclamen Persicum Giganteum</i> , mixed	25



CYCLAMEN PERSICUM GIGANTEUM (WHITE SWAN)

COBÆA

840. *Scandens*. A beautiful rapid-growing climber, with handsome foliage and large bell-shaped flowers, green at first, changing to beautiful deep violet blue. Half hardy perennial; 20 to 30 ft. Pkt., 10c.; 3 pkts., 25c.

CROTALARIA RETUSA
(West India Rattle Box)

938. This is a low-growing, profusely branching plant, every branch and branchlet ending in racemes 6 to 10 inches long, of beautiful, large, sweet-pea-like flowers. These flowers are of thick substance,



CYPRESS VINE.

CYPRESS VINE

A summer climbing annual with fine feathery foliage and pretty star-shaped flowers.

980. **Crimson.** Pkt., 5c.; oz., 25c.

981. **White.** Pkt., 5c.; oz., 25c.

982. **Mixed sorts.** Pkt., 5c.; oz., 25c.

983. **Scarlet, Ivy Leaved.** Pkt., 5c.; oz., 25c.

DAHLIA

Although perennials, these flower freely the same season from seed, if sown early.

1000. **Choice Double Varieties.** Mixed. Pkt., 10c.

1001. **Choice Single Varieties.** Mixed. Pkt., 5c.

1002. **Cactus Dahlia.** Mixed. These double dahlias have their petals quilled and

curved loosely and gracefully. Pkt., 10c.

DAISY (*Bellis Perennis*)

Well-known favorites; admirably adapted for edgings, borders and low beds, and also well suited for growing in pots. Although perennials, they will flower the same season if the seed is sown early in the house, though it is preferable to sow it in the fall, and winter the plants over in cold frames: $\frac{1}{2}$ foot. (See cut.)

1020. **Double.** Mixed. Pkt., 5c.

1022. **Longfellow.** Double pink. Pkt., 10c.



DOUBLE GIANT DAISY.

1023. **Snowball.** Double white. Pkt., 10c.

1024. **New Giant Double Mixed.** Beautiful imbricated flowers; $1\frac{1}{2}$ to 2 inches in diameter. Pkt., 10c.



DELPHINIUM MIXED HYBRIDS.

DATURA

Strong growing ornamental annuals, with very large, showy flowers; 2 to 3 feet high.

1043. **Cornucopia** (*Horn of Plenty*). A grand variety; immense trumpet-shaped flowers with three cones or funnels, one within the other; French white on inside, marbled with royal purple on the outside. Pkt., 10c.

No. 1044. **New Golden Queen.** A magnificent plant for open ground, with most brilliant golden-yellow flowers of enormous size, many of them 10 inches long. Pkt., 10c.

DELPHINIUM

(or *Perennial Larkspur*)

Handsome and hardy perennials, with splendid flowers, very showy and indispensable for hardy beds or borders.

1060. **D. Formosum.** Brilliant blue with a white centre. Pkt., 5c.

1067. **D. Chinensis.** A distinct and neat variety, growing about 18 inches high, with fine feathery foliage and producing freely spikes of large blossoms varying in color through all the delicate shades of blue. Pkt., 5c.

1064. **D. Finest Mixed Hybrids.** Pkt., 5c.

DIANTHUS OR PINKS

The family of "Pinks" is unrivaled for brilliancy and rich variety of color; blooming profusely until late in the autumn, rendering them one of the most satisfactory of all our annuals for garden decoration. Height about 1 foot.

DOUBLE ANNUAL VARIETIES

1080. **D. Chinensis, Fl. Pl.** (*China Pink*.) Large, double, fragrant flowers; mixed. Pkt., 5c.; oz., 25c.

1081. **Heddewigii Diadematis, Fl. Pl.** (*Double Diadem Japan Pink*.) Densely double flowers, 3 inches in diameter; beautiful tints of crimson, lilac, purple; outer edges fringed with white; 6 inch. Pkt., 5c.; oz., 75c.

1084. **D. Imperialis.** Double imperial pink. Pkt., 5c.; oz., 40c.

1085. **D. Laciniatus, Fl. Pl.** (*Double Fringed Japan Pink*.) Large, double, showy flowers, with fringed edges; various colors and beautifully striped. Pkt., 5c.; oz., 50c.

1092. **Mourning Cloak.** Rich blackish velvety crimson, margined with pure white. Pkt., 5c.



DIANTHUS "NEW HYBRIDS." Pkt., 10c.

SINGLE ANNUAL VARIETIES

1094. **Dianthus Laciniatus Nanus** "New Hybrids." This is a grand new strain of the annual Pinks, with lacinated or fringed petals. The flowers vary in shade from white to deep rose and even to purplish red, are all tinged more or less with bright salmony red or salmony scarlet. The plants grow only about 10 inches high, and are remarkable for their free flowing character. Price, 10c. per pkt.

1086. **Crimson Belle.** Magnificent large, single fringed flowers of lustrous velvety crimson. Pkt., 5c.

1087. **Eastern Queen.** Immense single flowers, beautifully fringed, marbled and suffused with carmine, rose, mauve and lilac. Pkt., 5c.

1088. **Snowflake.** Snow-white; exquisitely fringed. Pkt., 5c.

1089. **Laciniatus, Mixed Colors.** Single fringed. Pkt., 5c.; oz., 40c.

1090. **Heddewigii, Mixed Colors.** Single Japan Pinks. A magnificent strain, the flowers averaging 2 to 3 inches across, of many exquisite colors. Pkt., 5c.; oz., 40c.

1093. **Salmon Queen.** A new variety, of a most brilliant salmon color. Pkt., 10c.

HARDY PERENNIAL VARIETIES

1082. **Dianthus Plumarius** (*Pheasant Eye*). A beautiful, single, hardy pink, with fringed-edged white flowers, with a dark centre. Pkt., 5c.; oz., 20c.

1083. **Plumarius, Fl. Pl.** Double and semi-double varieties in beautiful colors. Pkt., 10c.

1091. **Fine Garden, or Clove-scented Pinks** (*Hortensis Varieties*). Beautiful double mixed colors. Pkt., 10c.



FOXGLOVE.

DIGITALIS OR FOXGLOVE

Beautiful, hardy perennials of easy culture. Long spikes of showy flowers, many beautifully spotted; height, 3 to 5 feet.

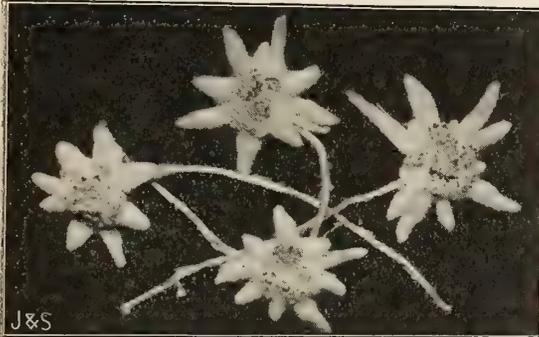
1120. **Mixed Colors.** Pkt., 5c.

1121. **Gloxinia** Flora. Gloxinia-shaped flowers, a lovely type. Pkt., 5c.

DOLICHOS—PURPLE SOUDAN

No. 1125. A very curious and highly decorative climber. The twining stems are of an intense purple color, and the beautiful sweet-pea-like flowers are produced during the entire summer. They are white and rose in color contrasting strikingly with

the dark foliage. Following the flowers there come beautiful, glossy, dark-red seed pods. These are very freely produced, and are a great ornament to the plant. Useful for covering porches, trellises, etc. Pkt., 5c.



EDELWEISS.

THE GENUINE EDELWEISS or Sunflower of Switzerland

No. 1190. There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow, and when cut lasts for years. The flowers are rare and beautiful, as white as snow and as soft as velvet, growing sometimes 30 on one plant, with grayish-white foliage in spreading rosette. Naturally as hardy as a rock, they grow in any way, on sandy moist soil, gritty and well drained, or on raised rockwork, and even as a border plant, in chalky open soil. Lasting for years in beauty, it will certainly prove a wonderful attraction. Price, per pkt., 20c.

ESCHSCHOLTZIA or California Poppies

A beautiful annual of easy culture. Bloom soon after spring-sown seed and continue until late in the autumn. Height, 1 foot.

- 1180. **California.** Yellow and Orange. Pkt., 5c.
- 1181. **Rose Cardinal.** Rich rosy purple. Pkt., 5c.
- 1182. **Single Mixed.** All colors. Pkt., 5c.
- 1184. **Double Mixed.** All colors. Pkt., 5c.

EVENING PRIMROSE (Echiothera)

- 2260. Delicate pale yellow flowers. Pkt., 5c.

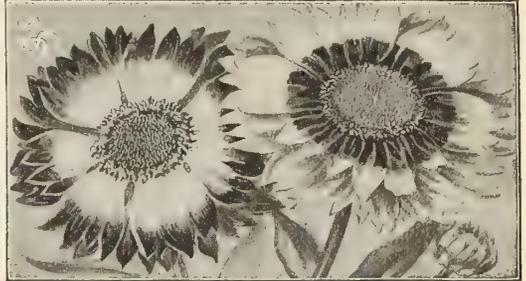
EVERLASTING FLOWERS

These are very popular and desirable for winter decorations, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade, with their heads downward.

- 1240. **Acroclinium Roseum, Fl. Pl.** Bright rose, double. Pkt., 5c.
- 1241. **Ammobium Alatum Grandiflorum.** A leading everlasting; flowers very large and pure white color. Pkt., 5c.

EVERLASTING FLOWERS (Continued)

- 1242. **Gomphrena, Mixed (Bachelor's Buttons).** Pure white, crimson, orange and variegated colors. Pkt., 5c.
- 1243. **Helipterum Humboldianum (Sanfordi).** Large clusters of bright golden yellow flowers. Pkt., 5c.
- 1244. **Helichrysum, Finest Mixed.** Large, beautiful, very double, white, yellow, scarlet. Pkt., 5c.
- 1245. **Rhodanthe, Finest Mixed.** Very rich colors of rose, crimson, purple, carmine and white. Pkt., 5c.
- 1246. **Xeranthemum.** Leaves silvery, brilliant colors of purple, rose and white flowers; 2 ft. Pkt., 5c.



GAILLARDIAS.

GAILLARDIA

Beautiful annuals for the flower garden. Very effective grown in masses. Large flowers produced from early summer till frost. 1 to 2 feet high.

- 1300. **G. Picta Lorenziana.** Sulphur, golden, bright yellow, orange, claret and amaranth. Pkt., 5c.
- 1301. **G. Picta Grandiflora.** Large flowers of rich crimson and yellow. Pkt., 5c.
- 1302. **Picta Nana (Painted Lady).** Showy crimson, bordered with yellow. Pkt., 5c.

GERANIUM

Although perennials, they will produce nice bushy plants and flower from seed the same season.

- 1320. **G. Zonale, Mixed.** Pkt., 10c.
- 1321. **Apple-Scented.** Very fragrant. Pkt., 10c.

GLOXINIA

Charming greenhouse plants. Flowers of most exquisite and gorgeous colors, beautifully spotted, mottled and blended. Sow in March.

- 1380. **Grandiflora.** Choice mixed sorts. Pkt., 25c.

GODETIA

Exceedingly handsome and showy annuals, of dwarf, compact growth, about 1 foot high, bearing freely large flowers 3 to 4 inches across, of exquisite colors and shades that glisten in the sunlight like satin. (See cut.)

- 1400. **Lady Satin Rose.** Crimson, tinged, pale lilac. Pkt., 5c.
- 1401. **Bijou.** Dwarf, white flowers, with carmine spot on each petal. Pkt., 5c.
- 1403. **Lady Albemarle.** Large crimson rose. Pkt., 5c.
- 1402. **Choice Mixed Varieties.** Pkt., 5c.; oz., 20c.

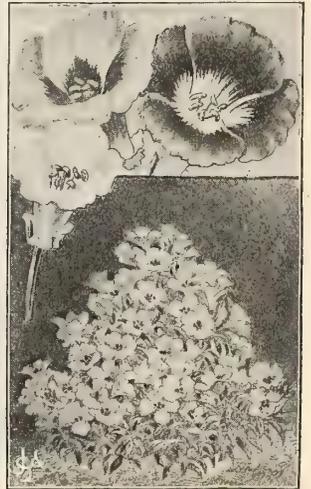
GOURDS

- Mixed Ornamental.** A choice assortment. Pkt., 10c.; 3 pkts., 25c.

For other varieties of Gourds, see vegetable list, page 30.

GRASSES (ORNAMENTAL)

- 1443. **Coix Lachryma (Job's Tears).** 2 ft. Pkt., 5c.
- 1444. **Erianthus Ravennae.** Very ornamental; 10 ft. Pkt., 5c.
- 1445. **Glycerium Argenteum (Pampas Grass).** 10 ft. Pkt., 5c.



GODETIA.



PURPLE FOUNTAIN GRASS

(*Pennisetum Rueppelianum*)

1451. Decidedly the most ornamental decorative grass ever introduced, and will be found as useful for room, hall or table decoration as many a palm. Fine purple plumes a foot long. Pkt., 10c.

GREVILLEA ROBUSTA

1460. (*Silk Oak*.) Beautiful and graceful fern-leaved foliage plant. Pkt., 10c.

GYPSOPHILA

Dainty free flowering plants of easy culture. Fine for mixing in bouquets, giving them an airy-fairy look that is charming; 1½ feet high.

1480. *Elegans*. Star-shaped, white and pink flowers. Pkt., 5c.

1481. *Paniculata*. Produces numerous panicles of small, white, handsome flowers; fine for bouquets. Pkt., 5c.

HELIANTHUS (*See Sunflower*)

HELIOTROPE

Deliciously fragrant flowering plants, 1 to 2 feet high. Favorites for pot culture in winter and bedding in summer.

1520. *Finest Mixed*. Pkt., 5c.

1521. *King of the Blacks*. Rich purple. Pkt., 10c.

1522. *Lemoine's Giant Hybrids*. Immense clusters; very fragrant. Pkt., 10c.



HELIOTROPE—LEMOINE'S GIANT HYBRIDS.

HOLLYHOCK

Grand summer and autumn flowering plants. Old inhabitants of our garden, but marvelously improved of late years both in doubleness and enlarged size.

	Chaters.	Prize Double,	Red.	Pkt.,	10c.
1562.	"	"	"	Pink.	Pkt., 10c.
1560.	"	"	"	White.	Pkt., 10c.
1561.	"	"	"	Yellow.	Pkt., 10c.
1558.	"	"	"	Salmon.	Pkt., 10c.
1559.	"	"	"	Crimson.	Pkt., 10c.
1563.	"	"	"	Mixed.	Pkt., 10c.

New Mammoth Flowering "Allegheny Hollyhocks"

1564. The flowers of this new variety are so different from the old conventional ones that but for the similar habit of the plant it would not be taken for a Hollyhock.

They are from 4 to 6 inches in diameter, ranging from semi-double to double, and finely fringed and curled.

The colors are shell pink, rose and ruby red, a shade or two deeper at the centre, and exquisitely tinted towards the edge. Price, per pkt., 10c.; 3 pkts., 25c.

HUMULUS JAPONICUS OR JAPANESE HOP

1620. Very ornamental and fast growing annual climber from Japan. Pkt., 5c.

1621. *Humulus Japonicus Variegatus*. A beautiful variety with variegated foliage, resisting heat and the ravages of insects. Pkt., 10c.



HUMULUS OR JAP HOP.

KENILWORTH IVY

1780. A very neat climber, clings to walls and is a valuable plant for hanging-baskets, vases, etc. Pkt., 10c.

LANTANA

1720. Rapid-growing, constant-blooming, tender perennial plants for pot culture in the winter or garden decoration in the summer; clusters of orange, white, pink, etc.; mixed colors; 1 to 3 feet. Pkt., 10c.

LARKSPUR

Quick-growing, free-flowering annuals.

1065. *Dwarf German Rocket*. Hyacinth-flowered Larkspur; mixed. Pkt., 5c.

1063. *Emperor Larkspur*. Has beautiful, long spikes of brilliant dark blue, tricolor and red striped; double flowers. Pkt., 5c.



LARKSPUR.

LATHYRUS

Everlasting or Hardy Sweet Peas. Hardy climbers, growing 6 to 8 feet high when trained on a trellis. The flowers are borne in large clusters, but have no fragrance, a beautiful plant.

1740. *Latifolius Red*. A handsome free-flowering plant; useful for covering trellises, old stumps, fences, etc. Flowers a beautiful scarlet. Pkt., 10c.

1741. *Latifolius Albus*. Large clusters of pure white; grand, hardy, low climber. Pkt., 10c.

1742. *Splendens*. A fine novelty from California, bearing dense clusters of brilliant deep rose flowers. Pkt., 10c.

No. 1743. *Pink Beauty*. We have here an entirely new variety, the color of which is a delicately shaded pink on the standard, the lacing on the edge being paler than the centre; the wings are deeper pink, of a very rich shade, giving it a very striking appearance. Price, pkt., 5c.; per oz., 20c.

No. 1744. *Everlasting Pea—Crimson*. Pkt., 5c.

LOBELIA (*Compacta Varieties*)

Compact plants, 4 to 6 inches high, forming little mounds of bloom.

1840. *Crystal Palace*. Rich blue. Pkt., 10c.

1845. *Mixed Compacta Varieties*. Pkt., 5c.

Erinus, or Trailing Varieties.

Useful for vases or hanging baskets or rockeries.

1844. *Mixed Trailing Varieties*. Pkt., 5c.



LOBELIA.



LYCHNIS

1906. **Chalcedonica.** The old garden favorite; very nardy, brilliant scarlet flower; deserves a place in every garden. Pkt., 5c.

MARIGOLD

Well-known annuals, very free flowering and easy culture. The African varieties have large, yellow or orange-colored flowers, and are adapted to large beds. The French are dwarfer in growth, with beautiful striped flowers, and are better suited to pot culture.

AFRICAN VARIETIES

1941. **EL DORADO.** Flowers 3 to 4 inches in diameter, perfectly and extremely double. Every shade. Pkt., 5c.

1943. **LARGE AFRICAN.** Very large; orange, brown and yellow. Oz., 15c.; pkt., 5c.

FRENCH VARIETIES

1940. **GOLD STRIPED.** Double dwarf, brownish red, striped golden yellow. Pkt., 5c.

1942. **DWARF FRENCH MIXED.** Oz., 15c.; pkt., 5c.

1944. **LITTLE BROWNIE** (*Legion d'Honneur*). Charming, compact little bushes. Flowers single, golden yellow, with large spot of crimson velvet. Pkt., 10c.

1939. **GOLD RING.** This charming variety is a fine match to the old "Legion of Honor" in growth, height and free flowering. In color it is a dark velvety brown, each petal gracefully surrounded with a distinct gold ring. The compact, bushy plant blooms with a richness and constancy that is surprising. Pkt., 10c.; 3 pkts., 25c.



MARIGOLD.

each petal gracefully surrounded with a distinct gold ring. The compact, bushy plant blooms with a richness and constancy that is surprising. Pkt., 10c.; 3 pkts., 25c.

MARVEL OF PERU (*Mirabilis*)

(*Four-o'clocks*)

The Marvel of Peru, or Four-o'clocks, is a pretty, free-flowering annual of easy culture, that grows and flowers in almost any location.

1960. **Mixed Choice Colors.** Pkt., 5c.; oz., 15c.

1961. **White Tom Thumb.** Only growing 10 inches high. Snow-white flowers. Pkt., 5c.

MESEMBRYANTHEMUM

2006. **M. Crystallinum** (*Ice Plant*). Flowers white, with ice-like foliage. Pkt., 5c.

MIGNONETTE (*Reseda*)

This deliciously fragrant annual is a favorite with all. It does best in a cool situation.

2020. **Sweet Scented.** Oz., 10c.; pkt., 5c.

2022. **Golden Queen.** Golden yellow. Pkt., 5c.

2024. **Machet.** Very compact; fine for pot culture; red. Oz., 60c.; pkt., 10c.

2025. **Gabrielle.** Large spikes of red flowers, very fragrant; fine for pot culture. Pkt., 18c.

2026. **Miles' Hybrid Spiral.** Pure white. Pkt., 5c.

2027. **Giant White Spiral.** Oz., 25c.; pkt., 5c.

2028. **Red Victoria.** Dwarf, branching habit, very sweet red flowers. Pkt., 10c.

2029. **Allen's Defiance.** Immense spikes, 12 to 15 inches long; very fragrant. Pkt., 10c.

MIMULUS

(*Monkey Flower*)

Admirable for pot plants; colors and markings of the flowers are very rich and beautiful. Annuals of low spreading growth.

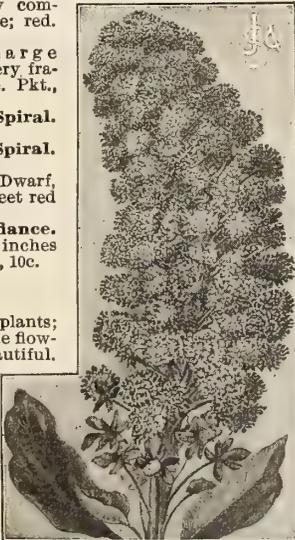
2060. **Moschatus** (*Musk Plant*). Beautiful yellow flowers. Pkt., 5c.

MOMORDICA BALSAMINA

2090. (*Balsam Apple*). Pkt., 5c.; oz., 20c.

MOMORDICA CHARANTIA

2091. (*Balsam Pear*). Pkt., 5c.; oz., 20c.



MIGNONETTE.

MOONFLOWER (*Ipomoea Grandiflora Noctiflora*)

1664. **The White-seeded Moonflower.** No one who has a trellis or arbor to cover should neglect to plant **The Moonflower**—the most rapid-growing of all annual climbing vines. The vines are literally covered with thousands of immense, pure white, fragrant flowers, opening in the evening and remaining open until noon the following day, and if cloudy, all day, many of them measuring over seven inches across. Planted in rich ground, in a sunny situation, and given plenty of water, the vines attain a height of seventy-five feet. Pkt., 10c.

Plants of above, 10c. each (by mail, 15c.).



IMPERIAL JAPANESE MORNING GLORY.

IMPERIAL JAPANESE MORNING GLORIES

925. The surpassing charm of these **Imperial Japanese Morning Glories** lies in the entrancing beauty and gigantic size of the flowers; they measure from four to six inches across. The colors of the flowers, shadings and markings are limitless. Pkt., 10c.; 3 pkts., 25c.

920. **Tricolor Roseus.** Rose color, with white centre and bands of golden yellow. Pkt., 5c.

921. **Major, Mixed.** Common Morning Glory. Oz., 15c.; pkt., 5c.

DWARF MORNING GLORIES

922. **Mauritanicus.** Trailing plant for baskets; blue. Pkt., 10c.

924. **Minor, Mixed.** Pkt., 5c.

MYOSOTIS (*Forget-Me-Nots*)

The popular "Forget-Me-Nots." Bushy plants, 6 to 10 inches high, bearing clusters of lovely small flowers. They are perennials and hardy enough to remain in the open ground excepting in very cold latitudes, where they should be well protected; but they are generally sown in the fall and wintered over in cold frames, when they will flower early in the spring; if sown early in the house, they will flower the first season.

2100. **Palustris.** The true Forget-Me-Not; beautiful blue. Pkt., 5c.

2102. **Disitiflora.** Large, blue flowers, compact and very early. Pkt., 10c.

ALPESTRIS VARIETIES

2103. **Victoria.** Of bushy habit; large, bright azure blue flowers; very fine. Pkt., 10c.

	PER PKT.
2101. Pure white	\$0 05
2104. Alpestris, blue	05
2107. " mixed	05
2105. " rose	05

"OBELISK" VARIETIES.

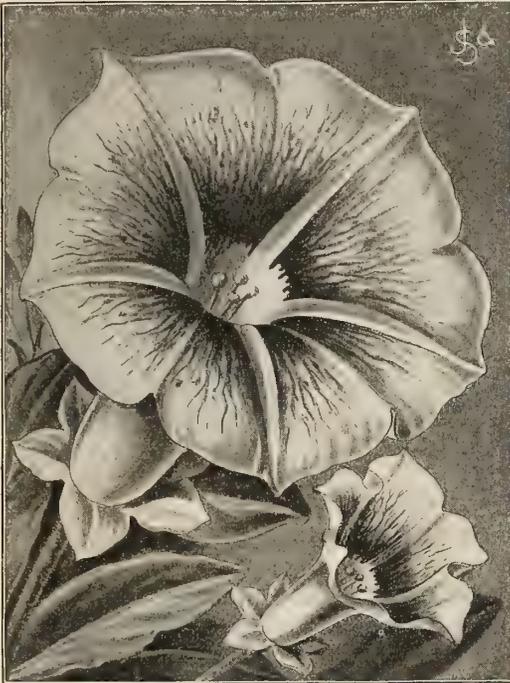
These are an upright, pillar form, 10 to 12 inches high and very floriferous.

	PER PKT.
2108. Obelisk, blue	\$0 10
2109. " pink	10
2110. " white	10



Petunia

For outdoor decoration or house culture few plants equal the *Petunia* in effectiveness. They commence flowering early and continue a sheet of bloom throughout the whole season until killed by frost; easily cultivated, only requiring a rich soil and a sunny position.



PETUNIA "GIANTS OF CALIFORNIA." Pkt., 20c.

SINGLE PETUNIAS (FOR BEDDING)

2340. **Dwarf Inimitable.** Dwarf plants, 6 to 8 inches high, flowers cherry red, with a white centre; splendid for edgings, massing, etc. Pkt., 10c.
2341. **Striped and Blotched.** Extra strain. Pkt., 5c.
2342. **Alba.** White; suitable for cemetery. Pkt., 5c.
2343. **Choice Single Mixed.** ¼ oz., 20c.; pkt., 5c.
2354. **"Snowball."** A new very dwarf *Petunia*. Its well-shaped, beautiful satiny white flowers cover the whole plant with one mass of bloom. Admirably adapted for bedding or pot culture. Price, per pkt., 10c.

SINGLE LARGE FLOWERING PETUNIAS

2345. **Grandiflora Venosa.** Large flowering, finest shade of color, beautifully veined. Pkt., 10c.
2346. **Grandiflora Fimbriata.** A fine strain, with handsomely frilled and fringed flowers. Pkt., 20c.
2347. **Yellow Throated.** The flowers are very large and of perfect form, with a broad, deep yellow throat. Pkt., 20c.
2348. **"Giants of California."** A California strain of incomparable beauty, size and luxuriance. The flowers are exquisitely ruffled or fringed on the edges, and are enormous. (See cut.) Pkt., 20c.

NEW GIANT FRINGED BLUE PETUNIA

Petunia hybrida grandiflora fimbriata cerulea.

2349. An enormously large, deeply cut and finely fringed *Petunia* of an exquisitely delicate steel-blue color, beautifully veined. Free flowering and very desirable in every way. Price, per pkt., 15c.

DOUBLE FLOWERING PETUNIA

2351. **Double Mixed.** Best large flowering double, in finest mixture. Pkt., 25c.
2352. **Extra Large Flowering, Double Fringed.** This extra choice strain produces about 30 per cent. of splendid double fringed flowers. Pkt., 35c.



PHLOX DRUMMONDI.

Phlox Drummondii

For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. Hardy annual; 1½ feet.

2360. **Phlox Drummondii, Mixed Colors.** Pkt., 5c.; oz., 50c.
2371. **Large Flowering, Mixed.** Pkt., 10c.; oz., 75c.
2376. **New Dwarf Large Flowering, Mixed.** Splendid for pot culture and ribbon bedding. Pkt., 10c.
2367. **Star of Quedlinburg.** The flowers of this striking novelty have a most distinct and star-like appearance. Pkt., 10c.; 3 pkts., 25c.
2366. **Hardy Perennial Phlox.** Fine mixed varieties. Pkt., 10c.

POPPIES—SINGLE ANNUAL VARIETIES

2379. **Dane brog.**

Very showy variety; large, single flowers of brilliant scarlet, with a silvery white spot on each petal, thus forming a white cross. Pkt., 5c.

2380. **Umbrosom.**

Richest vermilion, with a deep shining black spot on each petal, thus forming a black cross. Pkt., 5c.

2383. **Shirley.** These charming Poppies range in color, extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson. Pkt., 5c.

2388. **Tulip Poppy** (*Papaver glaucum*). The plants grow about 14 inches high and produce from 50 to 60 large flowers of dazzling scarlet. Pkt., 10c.

2389. **Fire Dragon.**

Flowers of brilliant deep scarlet, with black spots margined white; 2 to 2½ feet. Pkt., 5c.

2385. **The Bride.** A beautiful variety, with very large, pure white, perfectly formed flowers. If cut when barely expanded and put in water, they will last a long time. Pkt., 10c.

2391. **Single Mixed.** Annual sorts. Pkt., 5c.



SINGLE POPPY.

DOUBLE ANNUAL POPPIES

2384. **SNOWDRIFT.** Pure snowy white, extremely double flowers, of perfect form and large size. Pkt., 5c.
2387. **P. NEW WHITE SWAN.** Immense size, very double, with beautifully lacinated petals and of the purest possible white. Pkt., 5c.
2381. **Mikado.** Brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt., 5c.
2382. **Carnation-Flowered.** Splendid, double fringed flowers, mixed colors. Pkt., 5c.; oz., 20c.
2390. **Pæony-Flowered.** Large, showy, double globular flowers, mixed colors. Pkt., 5c.

HARDY PERENNIAL POPPIES

2386. **Orientele.** Gorgeous summer-flowering plants, producing in abundance deep crimson flowers five or six inches across. Pkt., 10c.
2392. **Orientele Hybrids.** Beautiful new hybrids of the Oriental Poppy, producing flowers 6 inches and over in diameter, and of many novel colors, such as salmon and cherry. Pkt., 15c.



BED SINGLE PORTULACA.

PORTULACA

Brilliant dwarf annuals, blooming profusely from early summer to autumn. For low beds and masses of color they are very desirable.

2400. **Finest Single, Mixed.** A large variety, of the most brilliant colors. Pkt., 5c.; oz., 30c.

2401. **Double Rose Flowered, Mixed.** The most brilliant shades and choice flowers. Pkt., 10c.

PRIMULA

This beautiful flowering plant is indispensable for winter decoration in the home or conservatory. Our seed is very choice, being saved from the best English strains. Sow in March, April or May.

Single Primula

2420. **Sinensis Fimbriata.** Fringed varieties. Very choice, mixed. Pkt., 20c.

2432. **J. & S. Choicest Prize Mixed.**

This mixture contains, besides all the above-named varieties, a number of other colors, selected from the best strains of American, French, English and German growers, and we know it will give entire satisfaction. Pkt., 30c.

PRIMULA FORBESI (or Baby Primrose)

This is the freest flowering Primula we know of. The seed comes up very readily, and the little plants throw up



J. & S. PRIZE PRIMULA.

tiny flower stalks when only a few weeks old. These, however, should be pinched off, and the plants kept growing until October, when the flowers may be allowed to develop, and from then on until late in spring they produce their sprays of beautiful rosy lilac flowers in seemingly never-ending profusion. Pkt., 20c.

DOUBLE PRIMULA

2421. **Double. Mixed.** Pkt., 35c.

Our Double Primulas bring a large percentage of double flowers.

2424. **Obconica Grandiflora.** A profuse blooming primrose, bearing on long stems heads containing ten to fifteen flowers. The flowers are pure white, shading occasionally to lilac, and

have the true primrose fragrance. Pkt., 10c.; 3-pkts., 25c.

2436. **Floribunda.** Similar to "Obconica," but the flowers are a beautiful primrose yellow. Pkt., 20c.

2425. **Japonica (Japanese Primrose).** Pkt., 10c.

2426. **Vulgaris.** Yellow English Primrose. Pkt., 5c.

PYRETHRUM (Feverfew)

2440. **P. Parthenifolium Aureum (Golden Feather).** A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; 1½ ft. Pkt., 5c.; oz., 50c.

2441. **P. Roseum (Persian Insect Powder Plant).** Hand some aster-like flowers, with pink rays and deep yellow centres; foliage fern-like; most beautifully cut. Pkt., 10c.

RICINUS

(Castor Oil Plant)

Large, luxuriant, rapid-growing foliage annuals, with large, handsome metallic leaves. Used for sub-tropical effects on the lawn, or for the taller centres of foliage beds; 6 to 10 feet.

2460. **Gibsoni.** Handsome deep red foliage. Pkt., 5c.

2463. **Mixed.** Many choice sorts. Pkt., 5c.; oz., 15c.

2464. **RICINUS, DUCHESS OF EDINBURGH.** The stem and leaves are of a bright metallic bronze; the large branches of the fruit are of a vivid red. Pkt., 5c.

2465. **Ricinus Zanibariensis.** The leaves of this new variety attain a gigantic size, measuring 2 to 2½ ft. across, and include light and dark green and coppery bronze colors. Pkt., 5c.; per oz., 15c.



RICINUS, CASTOR OIL PLANT.

SALVIA, OR SCARLET SAGE

Gorgeous effects can be produced by massing on the lawn or in the garden, or planted in rows along a sunny drive. A perennial, but blooms the first season from seed.

2520. **Splendens.** Scarlet sage. Pkt., 10c.

2521. **Patens.** Blue sage. Pkt., 10c.

NEW SALVIA SPLENDENS, "SILVER SPOT"

2522. The leaves are rich, soft, dark green, with light sulphur or cream-colored spots of various sizes liberally sprinkled over them. The intense bright scarlet flowers are very large, and the plants of neat, compact habit. Seed, per pkt., 10c.

2523. **Clara Bedman, or Bonfire.** Very compact, with long, erect spikes of brilliant scarlet flowers. The finest Salvia ever introduced, and by far the best for bedding and massing on the lawn. Pkt., 10c.



SCARLET SAGE.

SALPIGLOSSIS (Velvet Flower)

The flowers are singularly marked and delicately penciled—in shape resembling a Petunia.

2500. **S. Fine, Mixed.** Sky-blue and scarlet flowers, very beautifully penciled. Pkt., 5c.

2501. **SALPIGLOSSIS GRANDIFLORA.** The large-flowering Salpiglossis is one of the most beautiful of flowering annuals. In rich coloring they vie with orchids. Pkt., 5c.

TROPEOLUM CANARIENSE

490. **CANARY BIRD VINE.** A rapid growing, summer-climbing annual, growing 10 to 15 feet high. It will cover trellis work in the most graceful manner, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt., 5c.



SWEET PEAS

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place, several feet from any building, or close fence, and as far as possible from large trees. Sow as early in the spring as possible. *Do not wait for fair weather.* Plant in double rows 6 inches apart and 4 inches deep, dropping the seed 3 inches apart. Furnish support early. In dry weather water freely and keep the flowers picked closely. If you allow them to produce seed pods the plants will soon stop flowering.

Price per packet, 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 30c.; lb., 50c.

WHITE

2769. **Bride.** Pure white-hooded form.
2722. **Emily Henderson.** Large, pure white.
2711. **Mont Blanc (new).** The earliest-flowering white.

YELLOW

2773. **Mrs. Eckford.** A delicate primrose-yellow self.
2736. **Primrose.** Pale primrose yellow.
2695. **Queen Victoria.** Light primrose, self-colored.
2767. **Stella Morse.** Rich primrose, flushed pink.

ORANGE-PINK

2810. **Gorgeous.** Rich glowing scarlet-orange.
2775. **Lady Mary Currie.** Standard crimson-orange; wings crimson with tint of orange.
2706. **Lady Penzance.** Orange-pink, wings pure white.
2714. **Orange Prince.** Orange-salmon, wings pink.
2771. **Oriental.** Bright orange-pink, heavily veined.

PINK

2681. **Blushing Beauty.** Delicate pink-hooded form.
2685. **Countess of Aberdeen.** Pink, turning lighter.
2793. **Countess of Lathom.** Delicate pink self.
2749. **Crown Jewel.** Standard suffused with rosy violet; wings creamy white, tinted with rose.
2717. **Hon. F. Bouverie.** Standard and wings both deep pink at base, shading to light pink.
2750. **Katherine Tracy.** Soft but brilliant pink.
2797. **Little Dorrit.** Beautiful clear pink.
2774. **Lovely.** Beautiful soft shell-pink.
2777. **Modesty.** Most delicate shade of pink.
2798. **Mrs. Gladstone.** Lovely soft pink.
2710. **Peach Blossom.** Salmon-pink.
2732. **Prima Donna.** The softest clear pink self.
2752. **Royal Robe.** A bright but soft pink self.
2768. **Sensation.** White, suffused with bluish-pink.
2737. **Venus.** Soft salmon-buff, shaded with rosy pink.

PINK AND WHITE

2712. **Blanche Ferry.** Pink and white.
2694. **"Earliest of All."** Pink and white, very early.
2755. **Extra Early Blanche Ferry.** Pink and white.

ROSE OR DEEP PINK

2780. **Her Majesty.** A most beautiful rose.
2720. **Lady Skelmersdale.** Standard light carmine, shading to white; wings almost pure white.
2790. **Majestic (new).** Rich deep rose-pink self.
2778. **Ovid.** Rose pink margined with deeper rose.
2766. **Royal Rose.** Standard rose; wings light pink.

ROSE-CRIMSON

2791. **Lord Kenyon (new).** Rose-magenta, flushed crimson.
2715. **Mrs. Dugdale.** Crimson-rose; self-colored. One of the largest-flowered.
2675. **Oddity.** Peculiar pale carmine and bright rose.
2733. **Prince of Wales.** Rose-crimson; self-colored. Flowers extra large.

SCARLET AND CRIMSON

2728. **Firefly.** Brilliant scarlet.
2747. **Mars.** Crimson scarlet.
2772. **Prince Edward of York.** Standard crimson-scarlet; wings crimson. Extra large.
2688. **Salopian.** The best of the crimson-scarlets

MAROON

2705. **Black Knight.** Deep maroon; self-colored.
2713. **Boreatton.** Very dark maroon; self-colored.
2727. **Duke of Clarence.** Rich deep claret self.
2670. **Duke of Sutherland.** Claret and indigo-blue.
2735. **Monarch.** Deep bronzy maroon with blue.
2721. **Othello.** A very deep glossy maroon self.
2689. **Shahzada.** Rich dark maroon, shaded purple.
2753. **Stanley.** Rich dark maroon.

BLUE AND PURPLE

2792. **Captain of the Blues.** Standard purple-blue wings bright blue.
2774. **Celestial.** Delicate azure blue.
2716. **Countess Cadogan.** Standard light bluish purple; wings clear blue.
2796. **Duke of Westminster.** Standard clear purple; wings purple, with tint of violet.
2703. **Navy Blue.** Standard indigo and violet; wings indigo, shading to navy blue and bright blue.

PURPLE-MAUVE

2680. **Captivation.** Light purple-magenta.
2725. **Dorothy Tennant.** Rich rosy mauve self.
2734. **Emily Eckford.** Rosy mauve, changing to an almost true blue.
2794. **Fascination (new).** Delicate magenta-mauve.

LAVENDER

2738. **Countess of Radnor.** Pale mauve or lavender.
2731. **Golden Gate.** Shaded lavender.
2719. **Lady Grisel Hamilton.** Standard mauve; wings lavender. Flowers extra large.
2687. **Lady Nina Balfour.** Delicate light lavender.

BLUE OR LAVENDER-EDGED

2723. **Lottie Eckford.** White, shaded and edged with soft lavender.
2776. **Maid of Honor.** White, edged and shaded with light blue.

VARIEGATED

2677. **America.** Crimson-scarlet, striped on white.
2748. **Aurora.** Orange-rose, striped on white.
2746. **Coquette.** Primrose-yellow, shaded pale lavender.
2686. **Countess of Powis.** Orange-suffused purple.
2672. **Daybreak.** Crimson-scarlet, on white ground.
2770. **Dolly Varden.** Purple-magenta, shaded white.
2674. **Gray Friar.** Beautiful light watered purple on white ground, having a grayish effect.
2756. **Juanita.** White, striped with pale lavender.
2673. **Lottie Hutchins.** Cream, flaked with pink.
2683. **Mikado.** Cerise ground, veined with white stripes.
2671. **Mrs. Joseph Chamberlain.** White, striped and flaked heavily with pale rose.
2795. **Pink Friar.** Carmine rose on white ground.
2678. **Ramona.** Creamy white, splashed with pale pink.
2754. **Waverly.** Standard rosy claret, wings light blue.
Price, any of the above choice named sorts, pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 30c.; lb., 50c.

J. & S. STANDARD MIXTURE

This is the highest grade mixture that can be made, and our sweet-pea-loving customers can rely upon it producing excellent results. Pkt., 5c.; oz., 8c.; $\frac{1}{4}$ lb., 15c.; per lb., 40c.

DWARF CUPID SWEET PEAS

The Cupid Sweet Peas should become popular for bedding and borders. They are of true dwarf habit and literally cover themselves with flowers.

2799. **Alice Eckford Cupid.** Flesh pink and white.
2800. **Beauty Cupid.** Soft rose and carmine.
2801. **Blanche Ferry Cupid.** Pink and white.
2802. **Boreatton Cupid.** Rich wine brown.
2803. **Countess of Radnor Cupid.** Delicate lavender.
2804. **Firefly Cupid.** Dazzling scarlet.
2805. **Primrose Cupid.** Rich creamy tint.
2806. **White Cupid.** Pure white.
2807. **Mixed Cupids.**
Price of all Cupids, pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c., postpaid.



DWARF LARGE FLOWERING STOCKS. **Dwarf Large Flowering Leaved, Mixed.** Pkt., 10c.

2667. **Snowflake.** A fine variety, with very large and double pure white flowers. Pkt., 10c.
2669. **Princess Alice** (*Cut and Come Again*). A perpetual blooming, double, pure white; excellent for cutting. Pkt., 10c.

SENSITIVE PLANT (*Mimosa*)

2040. A curious plant, leaves close if touched or shaken. Pkt., 5c.

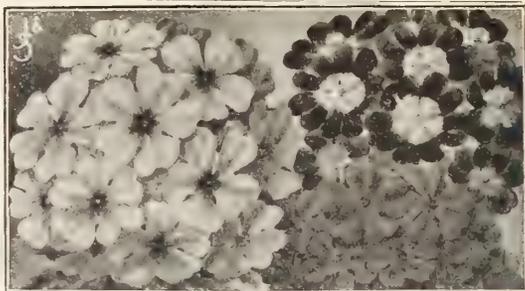
SMILAX

2120. A graceful climber. Largely used for decorations and bouquets. Pkt., 10c.; ¼ oz., 15c.; per oz., 40c.

DWARF LARGE FLOWERING STOCKS

The Dwarf German Ten Weeks Stocks are easily grown and are of great beauty and fragrance.

- | | | |
|--------------------------|------|--------|
| | PKT. | |
| 2660. Blood Red | .. | \$0 10 |
| 2661. Crimson | .. | 10 |
| 2662. White | .. | 10 |
| 2668. Pink | .. | 10 |
| 2663. Blue | .. | 10 |
| 2665. Mixed | .. | 10 |
| 2666. Dwarf Wall- | | |



MAMMOTH VERBENAS.

VERBENA

For garden beds or massing the Verbena is unrivaled; flowers of the most brilliant colors, blooming continually from spring until late in the autumn. Although perennials, these form luxuriant plants and bloom profusely the first season from seed.

New Mammoth. Our strain of Mammoth Verbenas is unexcelled; flowers of the largest size and brilliant colors.

- | | | |
|----------------------------------------------------------|--------------------------|------------------------------------|
| 2810. Mammoth White | .. | |
| 2811. " Scarlet | .. | } Per pkt., 10c.; per oz., \$1.50. |
| 2812. " Pink | .. | |
| 2813. " Purple | .. | |
| 2814. " Striped | .. | |
| 2815. " Mixed, pkt., 10c.; per oz., \$1.00. | | |
| 2825. Fine Mixed. | Pkt., 5c.; per oz., 75c. | |
| 2826. Lemon Verbena (<i>Aloysia Citriodora</i>) | Pkt., 10c. | |

NEW MOSS VERBENA

No. 2827. This new strain of Verbena is not over 6 inches high, but branches out and literally covers the ground. It is smothered with flowers of the true Verbena type all summer long. It is valuable anywhere, but especially so for bedding and edging. Price, per pkt., 10c.

VIOLET (*Viola Odorata*)

A great favorite, much in demand on account of its abundant and fragrant bloom. Hardy perennial; ¼ ft.

- | | |
|-------------------------------|---------------------------|
| 2860. V. Single White. | Sweet scented, Pkt., 10c. |
| 2861. V. Single Blue. | Sweet scented, Pkt., 10c. |

WALLFLOWER (*Cherianthus Cheri*)

A handsome, popular plant, with massive spikes of fragrant flowers. Hardy perennial; 2 ft.

- | | |
|----------------------------------------|----------------------------------------------|
| 2900. Wallflower, Double Mixed. | Yellow, brown and purple flowers. Pkt., 10c. |
| 2901. Single Mixed. | Showy colors. Pkt., 5c.; oz., 25c. |

ZINNIA—(*Youth and Old Age*)

The double Zinnia is one of the most brilliant and showy of annuals.



MAMMOTH ZINNIAS.

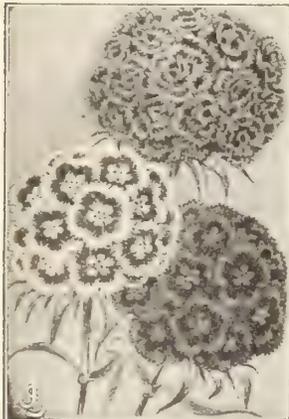
Mammoth (*Robusta Plenissima*). Very large flowers, perfectly double and of striking colors. Bushy habit. Pkt., 10c.; oz., 40c.

Large Flowering Double Dwarf.

- | | |
|-----------------------|-----------|
| 2930. Scarlet. | Pkt., 5c. |
| 2931. Orange. | Pkt., 5c. |
| 2932. White. | Pkt., 5c. |
| 2933. Canary. | Pkt., 5c. |

Striped Zebra. A superb strain of this very popular flower, the petals being distinctly striped. They run through all shades known to the Zinnia, such as orange, crimson, pink, yellow, rose, violet and white. Pkt., 10c.

- | | |
|----------------------------------|---------------------------------------------------------------------|
| 2938. Curled and Crested. | Large flowers with twisted petals, great range of color. Pkt., 10c. |
| 2939. Dwarf Varieties. | Mixed. Oz., 35c.; pkt., 5c. |
| 2940. Tall Varieties. | Mixed. Oz., 20c.; pkt., 5c. |



SWEET WILLIAM.

- | | |
|---------------------------------------------------------------|--------------------------------------------------------|
| 1510. Californicus Plenissimus. | Extra large, double saffron-colored flowers. Pkt., 5c. |
| 1512. Globosus Fistulosus (<i>Dahlia Sunflower</i>). | Flowers very double and of medium size. Pkt., 5c. |

SWEET WILLIAM

(*Dianthus Barbatus*)

Favorites in every garden. Perfectly hardy and with a rich profusion of bloom. No plant can surpass this old favorite. Height, 1 ft.

2741. **Perfection** Single Mixed. Pkt., 5c.; oz., 25c.

2740. **Double Mixed.** Pkt., 10c.

2742. **Auricula Flowered.** Choice single varieties. Pkt., 5c.

SUNFLOWER (*Helianthus*)—**SINGLE VARIETIES**

1511. **Miniature Sunflower** (*Cucumerifolius*). Dwarf branching habit, flowers orange with black centre. Oz., 25c.; pkt., 5c.

DOUBLE VARIETIES



SUNFLOWER.

THUNBERGIA

(*Black-Eyed Susan*)

A beautiful class of very ornamental climbers, suitable for greenhouse or outdoor culture.

2760. **Alba Oculata.** White, dark eye. Pkt., 5c.

2761. **Aurantiaca.** Orange, dark eye. Pkt., 5c.

2762. **Bakeri.** Pure white. Pkt., 5c.

2763. **Fine, Mixed.** Choice shades. Pkt., 5c.; oz., 40c.

2764. **Alata.** Buff, dark eye. Pkt., 5c.

TROPÆOLUM

(*Canary Bird Flower*)

A rapid growing annual climber. Flowers resemble a bird with expanded wings. Pkt., 5c.



Summer Flowering Bulbs



CACTUS DAHLIA, JOHN H. ROACH.

DAHLIAS

Collection of 12 best Dahlias from all classes, comprising the most valuable and comprehensive collection of 12 Dahlias ever offered.

A. D. Livoni. (Show.) Pure, soft pink with quilled petals and full to the centre; an early and profuse bloomer.

American Flag. (Fancy.) Rich cardinal red with white stripe running through the centre of each petal.

Alwine. (Pompon.) White flushed rosy lavender; very fine, on long stems.

C. W. Bruton. (Decorative.) The best yellow; of immense size; perfect form and of the finest canary yellow; a tall, vigorous grower and an extremely profuse bloomer.

Grand Duke Alexis. (Decorative.) A magnificent flower, of largest size and distinctly unique form, with beautifully quilled petals. Color is pure white, tinged delicate lavender-pink.

John H. Roach. (Cactus.) A fine, light yellow; of perfect form, with long, incurved, pointed petals; a beautiful flower and always full to the centre.

Matchless. (Cactus.) Large, rich, glistening crimson, shading to dark velvety maroon; an extremely early and profuse bloomer—a grand variety.

Penelope. (Fancy.) Pure white, flaked soft, rosy lavender; of perfect form; beautiful and chased.

Purity. (Show.) A beautiful pure white, of large size; fine form and finish. One of the best.

Queen of Yellows. (Show.) A beautiful clear yellow; large size; fine form; an early and extremely profuse bloomer.

Snowclad. (Pompon.) The best white pompon to date. An early and extremely profuse bloomer.

Price, 15c. each; \$1.50 for set of 12 sorts.

CANNAS

LARGE FLOWERING FRENCH SORTS

PENNSYLVANIA. The most magnificent orchid-flowering Canna to date. Immense flowers of a pure, deep red; a tremendous bloomer, 6 to 7 feet high.

Hurbank. A new orchid-flowering sort. Rich canary yellow, fully 7 inches across, 4 feet.

Black Prince. Very dark velvety maroon. Extra large flowers. Very fine, 3 to 4 feet.

Allemania. Orchid-flowering sorts. Very large, 6 feet. Salmon scarlet with broad yellow border.

Philadelphia. The finest crimson Canna to date. 3 feet.

Luray. New clear bright rose pink. Very fine, 4 feet.

Niagara. Rich, deep crimson, with wide golden yellow border. 3 feet.

Egandale. Bronzed-leaved variety; cherry-red flowers. 4 feet.

Queen Charlotte. Dwarf compact sort. Red with yellow margin. 2½ feet.

Chas Henderson. Deep, rich crimson. 3 feet.

Paul Marquant. Deep salmon. 4 feet.

Mile. Berat. Bright pink. 4 feet.

Robusta. Dark-leaved tall sort for tropical effect. 6 to 7 feet.

Price of each above sorts, 10c. each; \$1.00 per dozen; \$8.00 per 100.

GLADIOLUS

One of our most satisfactory summer-flowering bulbs. Make successive plantings, so as to continue the blooming season. As cut flowers, nothing could be finer.

Floracraft Mixture, No. 1. This is a magnificent strain of flowers, with all undesirable sorts weeded out, and the bulbs all uniformly sound and large. Per dozen, postpaid, 50c.; by express, per 100, \$3.00.

Floracraft Mixture, No. 2. Same as above, but smaller bulbs, all bloomers. Per dozen, postpaid, 30c.; per 100, by express, \$2.00.

Separate Colors. Shades of red, of orange and yellow, of white and light, and of striped and variegated, for beds and massing. Per dozen, postpaid, 50c; by express, per 100, \$3.00.

CALADIUMS (Elephant's Ears)

A very effective plant and suitable for either a single plant on the lawn, masses in beds, or for margins of water, its leaves often attaining the length of 3 feet by 20 inches wide. First size, 10c. each; \$1.00 per dozen. Second size, 15c. each; \$1.50 per dozen. Extra large bulbs, 25c. each; \$2.50 per dozen, postpaid.

GLOXINIAS

Bloom in six weeks, and are unexcelled in magnificent coloring and blooming qualities, large bulbs. Each, 10c.; per dozen, \$1.00. Second size, 7c. each; 75c. per dozen.

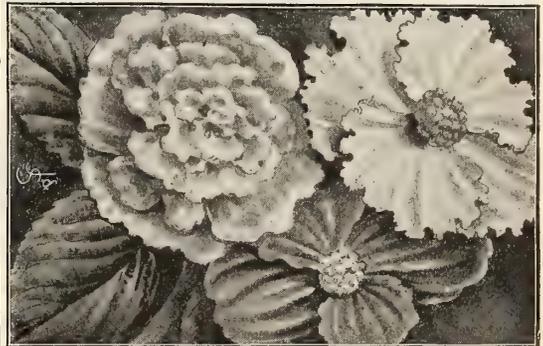
SUMMER-FLOWERING OXALIS

For bordering or margining, nothing can surpass the Summer-flowering Oxalis. The bulbs, when planted about 3 inches apart, produce an unbroken row of elegant foliage and pretty flowers, and as they bloom in a very short time after planting, furnish a neat and attractive border the whole season. Price, per dozen, 10c.; per 100, 50c.

IRIS (Flower-de-Luce)

Japanese. Perfectly hardy, beautiful flowers, all colors. Exquisitely mottled and veined. Bloom in July, and need a moist, sunny situation. Each, 10c.; \$1.00 per dozen.

German. These rival the orchid in variety of coloring, shape and shading. Perfectly hardy and adapted to all situations. Bloom in June. Each, 10c.; \$1.00 per dozen.



TUBEROUS-ROOTED BEGONIAS.

TUBEROUS BEGONIAS

The tuberous-rooted Begonias are among the handsomest of our summer-flowering bulbs. They bloom continuously throughout the summer, till frost cuts them. Planted either in the rockery or flower border, they rival the rose with their rich and varied colors, ranging from the most delicate shades of white, yellow and salmon to the most striking crimson and scarlet.

	Each.	Doz.	100.
Single, Scarlet, Orange, Crimson,			
Pink, White, Yellow	\$0 06	\$0 60	\$4 00
Single. All colors mixed	05	50	3 50
Double. All colors mixed	08	75	6 00

HARDY HERBACEOUS PÆONIES

Magnificent and perfectly hardy plants, almost rivaling the rose in brilliancy of color and perfection of bloom. The fragrance of the large flowers resembles that of a highly scented rose.

Separate Colors. Pink, white or red, 15c. each; 4 for 50c.; \$1.40 per dozen, postpaid.

Mixed Colors, embracing many beautiful and various sorts, 12c. each; 4 for 45c.; \$1.25 per dozen, postpaid.

TUBEROS

Deliciously fragrant and beautiful; popular with everybody. We grow them in immense quantities.

Excelsior Pearl. Large No. 1 bulbs. 3 for 10c.; 35c. per dozen; \$2.00 per 100.



ROSES



NOTICE. We send all 1-year roses postpaid; 2-year plants by express at purchaser's expense.

Set of Novelty Roses



NOVELTY ROSE. MAD. EUGENE C. MARLET.

SIR THOMAS LIPTON. Undoubtedly the **Finest Pure White Hybrid Rugosa Rose yet produced.** A handsome bush covered with very fragrant, perfectly double, snow-white flowers, and bright glossy green leaves.

Price, strong plants, 50c.; 2-year, 75c.; 3-year, \$1.50.

BEAUTY OF ROSEMAW. An elegant new ever-blooming rose; fine large flowers with overlapping petals and a raised centre; a lovely shade of carmine veined with fine crimson and white markings. Price, 25c. each; 2-year, 60c.

MAD. EUGENE C. MARLET. A fine rose; flowers large, full and very double; bright rich carmine red and deliciously sweet. Price, 30c. each; 2-year, 50c.

BESSIE BROWN. A lovely new rose, extra large, full and double and delightfully perfumed; healthy, vigorous grower. Constant, profuse bloomer; color, lovely peachy pink, delicately shaded with rose and fawn. Price, 25c.; 2-year, 40c.

MAD. JEAN DUPUY. A lovely high-class, ever-blooming rose just introduced from Europe. Color, fine creamy rose with golden yellow centre, outer petals edged with red; large, fully double and remarkably fragrant. Almost thornless. Price, 30c. each; 2-year, 50c.

NOVELTY ROSE COLLECTION

One each of the above five lovely sorts for only \$1.25, postpaid; 2-year, \$2.00; by express at purchaser's expense.

HARDY MEMORIAL ROSES

ALBA RUBIFOLIA. The finest hardy Memorial Rose known. The flowers are pure double white and the foliage and young growth bright red. It retains its foliage all winter.

"ROSA WICHURAIANA." Creeps on the ground like ivy. Has dark-green leaves and numberless satiny white flowers, with golden-yellow discs. **Specialty adapted for use in cemeteries.**

DOUBLE PINK MEMORIAL ROSE. Same as the Double White, except in color, which is clear, bright pink.

EVERGREEN GEM. Pretty buff-yellow flowers, 2 or 3 inches in diameter, perfectly double, with a rich Sweet Briar fragrance.

PRICE, HARDY MEMORIAL ROSES

15c. each; 2-year, by express, 35c. each.

Set of 4, 50c., by mail, postpaid.

Set of 4, 2-year, by express, at purchaser's expense, \$1.00.

Hardy Perpetual Roses

NEW CENTURY. A grand, new, ever-blooming perfectly hardy rose; flowers very large, perfectly full and double, and borne in clusters. Color is a bright rich carmine rose, with deep red centre, and the petals are bordered with fine creamy white. Is very sweet, with the delightful fragrance of the Sweet Briar.

PAUL NEYRON. One of the grandest and most magnificent hybrid perpetual roses in existence. The flowers are immense size and superb form, very double and of great depth and substance; a good hardy grower; free bloomer.

MADAME MASSON. Splendid, constant-blooming hybrid perpetual rose. Bright rich crimson, large, very full, fragrant flowers. Sturdy grower. A real floral treasure.

PRINCE CAMILLE DE ROHAN. Very dark, velvety crimson, almost black; darkest of all.

MAD. PLANTIER. One of the hardiest and a profuse bloomer. Snow white.

MAGNA CHARTA. Extra large, full flowers of unusual depth and substance; bright rosy pink; very grand, profuse bloomer.

GEN. JACQUEMINOT. Bright, shining crimson, rich and velvety.

COUNTESS OF ROSEBERY. Fine carmine red, large and full, finely cupped form; makes a handsome bush.

OAKMONT. Fine peach pink flowers, large and sweet good bloomer, hardy and productive, always gives satisfaction.

COQUETTE DES BLANCHES. Large, very double pure white flowers; constant bloomer, one of the best.

HARDY PERPETUAL ROSES

PRICE: Any of the above, 15c. each, postpaid; 2-year, 35c. by express at purchaser's expense.

Set of 10—Beauties—\$1.15, postpaid.

Set of 10—2-year-old, by express, \$3.00.

Ever-Blooming Climbing Roses

CLOTILDE SOUPERT (Climbing) New. This is undoubtedly one of the most beautiful and satisfactory of all the hardy Ever-blooming Climbing Roses yet introduced. It is similar to the well-known Clotilde Soupert, but the flowers are larger and deeper in color, and the bush is a strong, vigorous climber, which begins to bloom very quickly and continues loaded with lovely buds and flowers all summer and fall until stopped by freezing weather. It is entirely hardy here. It is also free from the attacks of insects, rust and blight. The flowers are borne in clusters and are of large, round, flat form, perfectly full and double and delightfully fragrant. Color beautiful creamy white, finely tinged with amber, deepening at centre to clear bright pink, and sometimes both red and white roses are borne on the same bush.

MADAM WAGRAM. This magnificent rose comes to us from France; is claimed by the originator to be one of the most extraordinary roses ever sent out. It has shown up finely here, and is undoubtedly a rose of remarkable beauty. The flowers are of the very largest size, and well filled with broad shell-like petals; color, lovely clear satiny rose, elegantly tinted with soft ruddy crimson and fine silvery pink. The bush is a strong, vigorous grower.

REINE MARIE HENRIETTA, or RED-FLOWERING GLOIRE DE DIJON. A strong, vigorous grower; flowers large, full, and of fine form. Color, a pure cherry red, sweet-scented. This is planted more largely than any climbing Rose, because it gives such universal satisfaction.

"CLIMBING AUGUSTA VICTORIA" (Mrs. Robert Peary). A grand, pure white, hardy, ever-blooming climber. Strong, vigorous grower.

THE EMPRESS OF CHINA is a hardy, perpetual-blooming climbing rose; it resembles a tea rose. The color is soft dark red, passing to light pink or apple blossom.

MARECHAL NEIL (Noisette). A most beautiful large golden yellow rose; very full and double and exceedingly fragrant. It is naturally a climbing rose, and should not be pruned too short.

EVER-BLOOMING CLIMBING COLLECTION

Price, 15c. each, postpaid; 2-year, 35c. by express, at purchaser's expense.

Set of 6 for 65c., postpaid, or 2-year size, by express, for \$1.60.



"New" Ever-Blooming Roses

HELEN GOULD. A hardy, ever-blooming hybrid tea rose.

The flowers are perfectly double and deliciously fragrant; color is rich vinous crimson elegantly shaded and exceedingly beautiful. Price, 20c. each; 2-year size, 40c.

FRANCES E. WILLARD. This pure white, ever-blooming rose is a magnificent variety. Strong, vigorous grower, the flowers so full and double that they resemble a camellia. Price, 15c. each; 2-year size, 35c.

EMPRESS ALEXANDRA OF RUSSIA. An exquisite new rose of novel beauty. The flowers are large and double, with full centre and broad thick petals. The buds are dark violet red, and the open flowers rich purplish lake, deepening at the centre to fiery crimson. Price, 15c. each; 2-year, 35c.

AUGUSTA VICTORIA, NEW HARDY TEA ROSE. This grand new rose is unsurpassed in beauty. Extra large finely formed flowers borne singly on strong upright stems; very deep, full and sweet; color pure white, shading to lemon; a free and constant bloomer. Price, 15c. each; 2-year, 35c.

MRS. B. R. CANT. A fine new garden rose, very free and strong grower and great bloomer; flowers open bright reddish rose and shade to salmon rose, flowering double and lasting. Price, 20c. each; 2-year, 40c.

IVORY. A beautiful new white rose with very attractive buds and flowers, entirely distinct; a free bloomer and great prize winner at the flower shows. Price, 20c. each; 2-year, 40c.

KILLARNEY. A splendid new rose, beautiful long pointed buds and extra large double flowers; bright rich coral pink, very fragrant and beautiful. Price, 15c. each; 2-year, 35c.

GRUSS AU TEPLITZ. Color when first opening is dark, rich crimson, quickly changing to bright scarlet. Flowers large, full and very handsome. Price, 15c. each; 2-year size, 35c.

MAD. JULES GROLEZ. Color lovely china rose, passing to a rich satiny pink; handsome buds and large flowers. 15c. each; 2-year, 35c.

HENRY M. STANLEY. Deep chamois rose-colored flowers, delicately tinged with fine apricot-yellow petals, bordered with bright carmine red. 15c. each; 2-year, 35c.

NEW EVER-BLOOMING COLLECTION

Set of 10 sorts, by mail, postpaid, \$1.15.

" " 10 " " express, at purchaser's expense, 2-year-old, \$3.00.

General Set Ever-Blooming Roses

COQUETTE DE LYON. Lovely canary yellow, immense bloomer, elegant for bedding; bright yellow roses, blooms quickly and profusely the whole season.

ISABELLA SPRUNT. Flowers of bright canary yellow; buds are remarkably fine, a truly splendid rose.

MAMAN COCHET. Well known as a queen among roses. Flowers enormous, very full, rich coral-pink shaded with rose and deliciously sweet.

PEARL RIVERS. Flowers large and full, with peachy-red buds; prevailing color ivory white, petals delicately shaded and bordered with pale rose.

MADAM OLGA. Cream white, clouded with pale carmine; very sweet.

CLOTILDE SOUPERT. Fine for bedding; color, rich creamy white, with pink centre.

MAD. F. KRUGER. Soft rose pink, shaded crimson and amber. Very large and handsome.

QUEEN'S SCARLET. A rich velvety scarlet, very bright and handsome.

CHARLES LA GRADY. A first-class rose of sterling value; makes beautiful buds and large handsome flowers. Color fine chamois-red, passing to violet-crimson; a great bearer.

LUCULLUS, THE BLACK ROSE. Splendid, large rich crimson, extra full and fragrant, very double and a constant and profuse bloomer. Excellent for bedding and garden culture.

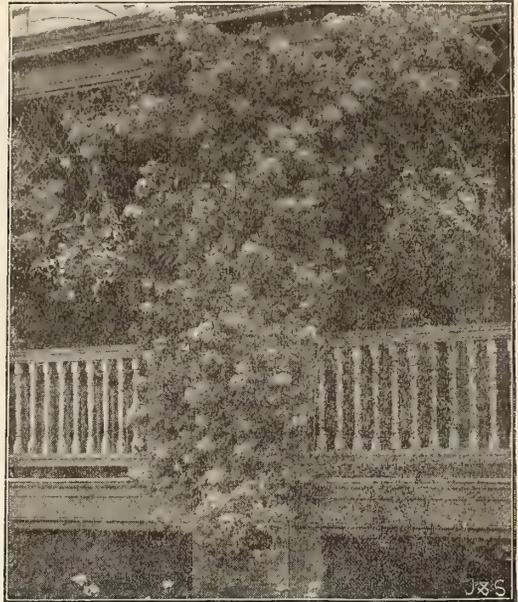
CHARLES ROVOLLI. Always admired for its splendid buds, which are extra large and elegantly formed, color creamy white, tinted with lemon, the centre sometimes rosy bluish.

LA FRANCE. Buds and flowers of lovely form and good size; exceedingly sweet; color fine peach blossom, clouded with rosy flesh.

BRIDESMAID. Fine large, full flowers, delightfully tea-scented, clear rose-pink with crimson shading. A good healthy grower, makes elegant buds; one of the best for cut flowers.

Price, 10c. each, or any 6 for 50c., or the set of 13 for \$1.00, postpaid; 2-year-old, 30c. each; any 6 for \$1.50, or 13 for \$3.00, by express, at purchaser's expense.

RAMBLER ROSES



NEW CRIMSON RAMBLER, "PHILADELPHIA."

The New American Rambler "PHILADELPHIA"

The Philadelphia Crimson Rambler is the product of Crimson Rambler and the splendid hybrid perpetual rose, Victor Hugo, one of the best and most brilliant of the hybrid perpetual class, and it is recommended strongly both for outdoor planting and for forcing.

The "Philadelphia" Crimson Rambler differs from the old variety in three important particulars: (1) The color is brighter, deeper and more intense; (2) the flowers are perfectly double to the centre, very durable and of excellent substance; (3) the blooms are almost entirely free from the faded or washed-out appearance so frequently seen in the flowers of the old kind. It is a good, healthy grower, a free and abundant bloomer, producing grand clusters of intensely brilliant, perfectly double flowers. 20c. each; 2-year, by express, 40c.; 3-year, \$1.00.

DOROTHY PERKINS. This is a splendid new hardy climber, grows 10 to 15 feet in a season, blooms in immense clusters like the Crimson Rambler, but the blooms are more double and of a beautiful shell-pink passing to deep rose; makes large-pointed buds and is a very pleasing and satisfactory rose for general planting. Price, 20c. each; 2-year, 40c.

ELECTRA. A hardy yellow climbing rose, has long been greatly desired by rose-lovers everywhere. This one comes highly recommended by the English growers, who claim that it is a strong, rapid grower and very free bloomer, bearing large double yellow roses in great profusion, and undoubtedly the finest hardy yellow climbing rose yet produced. Price, 25c. each; 2-year, 50c.

Set of 3 Climbing Roses, as above, 50c., postpaid; 2-year size, \$1.00, by express at purchaser's expense.

CRIMSON RAMBLER. As we become more acquainted with the sterling qualities of this crimson beauty we find we have not praised it to the full measure of its deserts. No garden or yard should be without it. 15c. each; 2-year, 35c.; strong 3-year, 80c.

ROYAL CLUSTER, OR WHITE RAMBLER. This fine new rose is an entirely hardy cluster rose; a strong-growing climber, a most profuse bloomer and the clusters are remarkably large. The color is a rosy white, changing to white. The stamens are prominent and are a bright yellow, a striking feature. 15c. each; 2-year, 35c.; strong 3-year, 80c.

NEW YELLOW RAMBLER (Aglala). An absolutely hardy yellow climbing rose. The blossoms are of moderate size and last three to four weeks without fading, and are frequently borne in clusters of from 120 to 150 flowers. 15c. each; 2-year, 35c.; strong 3-year, 80c.

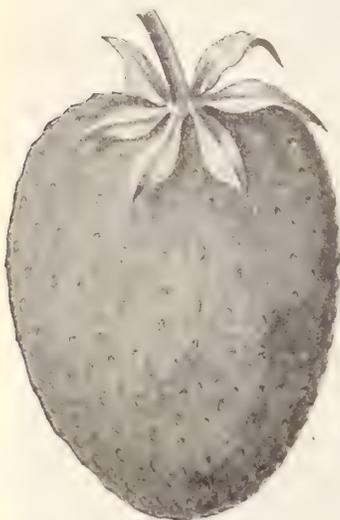
NEW PINK RAMBLER. Color a clear light red, with numerous golden anthers. A very profuse bloomer and vigorous grower. 15c. each; 2-year, 35c.; strong 3-year, 80c.

Set of 4 as above, postpaid, 50c.
" " " " 2-year, \$1.10 } By express, at purchaser's expense.
" " " " 3-year, 2.40 }



NEW TWENTIETH CENTURY STRAWBERRIES

PALMER'S VERY EARLY STRAWBERRY



PALMER'S VERY EARLY.

Price by mail, postpaid, 50c. per dozen; by express, \$1.25 per 100; \$8.00 per 1,000.

BLACKBERRIES

ELDORADO. New; very hardy; no core. Very sweet, with the flavor of the wild berry. Prolific and of good size. Postpaid, 10c. each; 65c. per dozen. By express, 50c. per dozen; \$2.50 per 100.

ERIE. Hardy; productive; large and of good quality. Postpaid, 10c. each; 65c. per dozen. By express, 50c. per dozen; \$2.50 per 100.

KITTATINNY. Very large, medium to late. Not hardy north of New York City. Postpaid, 10c. each; 65c. per dozen. By express, 50c. per dozen; \$2.50 per 100.

LUCRETIA. The old standard dewberry. Postpaid, 65c. per dozen. By express, 50c. per dozen; \$2.50 per 100; \$15.00 per 1,000.

CURRENTS

NEW "CHAUTAUQUA" CLIMBING CURRANT. Something new and very fine. Can be trained over trellis or fence. Rapid grower and very prolific. Large dark red fruit, containing little acid and almost seedless. Fine for either preserving or table use. Price, postpaid, \$1.00 each. By express, \$10.00 per dozen.

PRES. WILDER. In size of bunch and berry, color and quality of fruit, the Wilder is much superior to Fay's Prolific. Price, postpaid, \$1.15 per dozen. By express, \$1.00 per dozen; \$6.00 per 100.

CHERRY. Large red. 2-year, postpaid, \$1.15 per dozen. By express, \$1.00 per dozen; \$3.00 per 100; \$25.00 per 1,000.

FAY'S PROLIFIC. 2-year, postpaid, \$1.15 per dozen. By express, \$1.00 per dozen; \$3.00 per 100; \$25.00 per 1,000.

GOOSEBERRIES

INDUSTRY. An English sort. Fruit dark red, large and of good quality. Season early.

DOWNING. Large, light green; suitable for family use or for market.

Prices, postpaid, 15c. each; \$1.15 per dozen. By express, \$1.00 per dozen; \$4.00 per 100; \$30.00 per 1,000.

RASPBERRIES

Red Varieties

MILLER. Large bright red berry, holding size until end of season; does not fade; small core, very firm. Price, postpaid, 45c. per dozen. By express, 30c. per dozen; \$1.00 per 100; \$8.00 per 1,000.

CUTHBERT. The old standard and hard to beat; very productive; a rich red, firm and good quality. Price same as Miller.

A Yellow Raspberry

GOLDEN QUEEN. Seedling of the Cuthbert. Very productive and hardy; large size, beautiful color and excellent quality. A fine garden berry. Postpaid, 65c. per dozen. By express, 50c. per dozen; \$1.50 per 100; \$10.00 per 1,000.

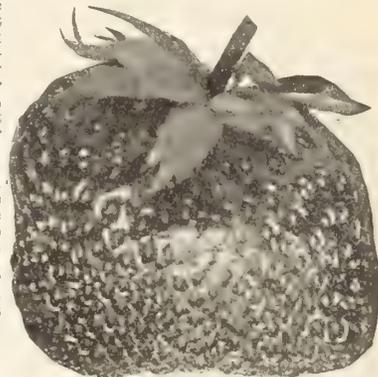
Black Cap Varieties

CUMBERLAND. The business Black Cap. Fruit very large, wonderfully productive and absolutely hardy. Early. Price, postpaid, 15c. each; 75c. per dozen. By express, 60c. per dozen; \$3.00 per 100; \$25.00 per 1,000.

GREGG. The standard Black Cap. Profitable market sort. Postpaid, 10c. each; 45c. per dozen. By express, 30c. per dozen; \$1.00 per 100; \$8.00 per 1,000.

OOM PAUL

The new strawberry, OOM PAUL, is a wonder. Stupendous in size and delicious in flavor, nice shape, elegant color, shipping the best. The plant is a very rank grower. Another strong point in favor of OOM PAUL is that the last picking never runs small. Very prolific; in shape inclined to Jessie. The berries are giants. Single plants yield a full quart. A record-breaker—six berries filled a quart box, for which \$10.00 was paid at our Field Meeting, June 15, 1901. One hundred and forty quarts were picked from two hundred and eighty OOM PAUL plants at one single picking. Price, postpaid, 50c. per dozen; by express, \$1.25 per 100; \$8.00 per 1,000.



OOM PAUL, BIGGEST OF ALL.

NEW CHELLIE STRAWBERRY

This berry originated in Camden County, N. J. The plant has a perfect blossom, is a strong grower, free runner, clear of rust, very productive, and a sure bearer, the fruit ripening midseason to late. The large, symmetrically shaped berry, with a fresh green calyx, is a bright, glossy red; coloring all over, and having no green point, it presents a strikingly attractive appearance throughout the season. It is of firm texture and superior flavor, resembling that of the wild strawberry. Price by mail, postpaid, 40c. per dozen. By express, \$1.00 per 100; \$7.00 per 1,000.

THE MAXIMUS

we find to be one of the largest and most beautiful of all Strawberries. Perfect bloomer; plant strong and robust. Produces two and four fruit stalks to a plant, all of them well filled with large to very large berries. Berries conical, deep glossy scarlet; flesh pink, sometimes white at the centre, very tender, of mild flavor.

GLEN MARY. Very vigorous, perfect blooming plant of Brandywine and Isabel type. Enormously productive of large to very large, bright, deep red berries. Yellow seeds on surface; flesh very firm. Light red clear to the centre; sweet, rich and high-flavored; a decidedly good berry in point of plant, yield, great size, fine form, bright color, firmness and good quality.

BISMARCK. Perfect flowering. A new and vigorous seedling of Bubach. Plant very vigorous, fruit stalks very heavy. Broad, dark leaves. Moderately productive, but all the berries are large to very large. Light scarlet color and glossy.

MARSHALL. (Midseason.) The berries are very beautiful and average extraordinarily large—often fourteen will fill a quart measure. As a berry for home use it is peerless. It is the first of the extra large varieties to ripen, and although of great size, the fruit is rarely ever misshapen. The color is a rich glossy crimson that every one admires.

BRANDYWINE. (Midseason to very late.) Brandywine is already world-famous; in fact, we doubt if any strawberry ever before has received such enthusiastic praise over so wide an extent of territory. The berries are of large size, glossy scarlet, very firm, solid and shapely, of delightful aroma, rich, juicy and luscious, and wonderfully productive.

"THE GANDY." (Late.) One of the best late strawberries ever introduced. Strictly fancy. The fruits are uniformly large, perfect in form and firm; color, bright crimson and as glossy as if varnished. Quality superb; delightful aroma, suggestive of both strawberries and peaches.

BUBACH, No. 5 (P). (Midseason.) A prominent strawberry grower says: "If all varieties were culled out but ten, he would place Bubach, No. 5, at the head of the list on account of its large, bright berries, immense yield and fine flavor."

PRICES ON THE ABOVE SEVEN VARIETIES

By mail, postpaid, 40c. per dozen; \$1.50 per 100. By express, 25c. per dozen; \$1.00 per 100; \$6.00 per 1,000.



FRUIT AND NUT TREES

APPLES, *by express only*

Plant 30 feet apart, 48 trees per acre.

Starr. Large, pale green fruit. Fruits young. Early; from July to September. Good for eating and cooking.
Mammoth Black Twig. A fine winter apple. A seedling of the Winesap, which it resembles, but is superior in many ways.



BEN DAVIS APPLE.

Orange Pippin. Yellow autumn sort.
Maiden Blush. Beautiful blush cheek.
Baldwin. Crisp, juicy, winter red.
Ben Davis. Striped winter.
William's Early Red. Good for cooking or eating.
Rome Beauty. Pale yellow, shaded red winter.
 PRICE of any of the above apples, except where noted: 85c. each; \$3.50 per dozen; \$25.00 per 100.

CHERRY TREES

Black Tartarian. Large, black, sweet and early.
Ox-heart. Large, light, with red cheek; solid, meaty, excellent.
Napoleon Bigarreau. Very large, pale yellow, with bright red cheek. Firm, juicy, good flavor.
Early Richmond. Red pie cherry.
Montmorency. Large, bright red, late. Larger than Early Richmond.

	Each.	Doz.	100.
3 to 4 feet	30c.	\$3.00	\$25.00
4 to 6 "	40c.	4.00	30.00



TRIUMPH PEACH.

PEACHES, *by express only*

Plant 16 feet apart each way; 170 trees per acre.

Sneed. A new early peach; a grand sort. Large, beautiful red on sunny side; flesh white; very sweet and juicy; bears shipping well.
Triumph. The earliest yellow freestone yet introduced. Large size and small pit.
Crosby. Free dwarf. Fruit yellow, streaked crimson, with very small pit. Free.
Wonderful. Large, rich, yellow; a good keeper; very late; freestone.
Mountain Rose. Freestone; pink flesh.
Old Mixon. Creamy white; popular.
Stump the World. White, red cheek.
Crawford's Late. Best late, yellow; free.
Late Heath Cling. Best white cling.

	Each.	Doz.	100
3 to 4 feet	20c.	\$1.75	\$10.00
4 to 6 "	25c.	2.50	12.00

ORNAMENTAL SHADE TREES AND EVER-GREENS

Send for our special catalogue of Ornamental Shade Trees and Evergreens and Hardy Shrubbery, Hedge Plants, etc.

PEARS, *by express only*

Plant 15 x 20 feet; 145 trees per acre.

Rossney. A new large pear of good merit. Two weeks after Bartlett, fine grained, melting, juicy and of superior flavor. Skin yellow, with crimson blush.

The Koonce. Very early and fine quality. Yellow, with red cheek; spicy, juicy and sweet; free from blight.

Clapp's Favorite. Large, early; bright yellow.

Bartlett. The old favorite.

LeConte. Bell-shaped; pale yellow; good to plant with Keiffer.

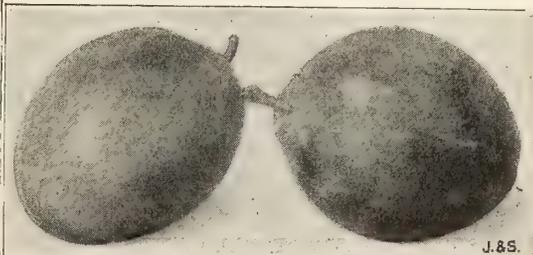
Seckel. Small yellowish russet; rich, melting, juicy.

Keiffer. The money-bringer. Very prolific, fine-looking, sells freely. Ripens in October.



KEIFFER PEAR.

Price of above pears:	Each.	Doz.	100.
2-year, 4 to 6 feet	30c.	\$3.00	\$20.00
Extra 3-year	40c.	4.00	30.00



ABUNDANCE PLUM.

PLUM TREES

Satsuma. Japanese variety, medium to large in size; color very dark dull red all over, with greenish dots.

Ogon. Golden yellow, good quality, freestone.

Abundance. Rich yellow with blush red cheek. Flesh deep yellow, very prolific.

Burbank. Orange-yellow, overlaid with red. Later than Abundance.

Willard. Earliest plum on the list. Medium size, round, dark red, splashed yellow.

	Each.	Doz.	Per 100.
3 to 4 feet	30c.	\$3.00	\$25.00
4 to 6 "	40c.	3.50	30.00

GRAPES

McPike. Wonderful new white grape. Very superior in quality. Perfectly hardy. Earlier than Concord. Bunches large; berries mammoth. Fruit will keep 100 days on the vine in good condition.

Moore's Early. Very early, large black grape; skin thin, flesh sweet.

Concord. The standard black grape. Berries large, skin thin. Tender, juicy, sweet.

Niagara. The favorite white grape. Very prolific. Handsome bunches, good shipper.

Catawba. Dark red, medium-size berry, skin thick, flesh pulpy and of best quality.

Delaware. Small red berry, compact bunches, skin thin, but firm; juicy and very sweet.

PRICES of any of above Grapes:
 1-year-old, 15c. each; \$1.50 per dozen; \$5.00 per 100.
 2- " " 20c. " \$1.75 " 6.00 "

NUT TREES

The culture of nuts has become very profitable, and large orchards are being put out to good purpose.

CHESTNUTS

Alpha. Very early, large size. } 75c. each; \$8.00 per
Paragon. Later, large and fine. } dozen; \$25.00 per 100.
Walnuts, Pecans, Shellbarks, Filberts, Almonds,
Butternuts, 40c. each; \$6.00 per dozen.



INSECTIGIDES. Spray Your Fruit Trees

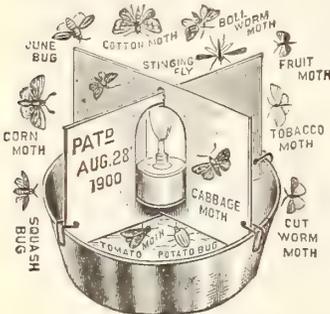
The annual loss to farmers in this country from fungus diseases and insects has been closely estimated at \$5,000,000. So important have these things become that the United States Department of Agriculture, at Washington, has two of its most important divisions investigating them. One is called **Vegetable Pathology**, under Professor Galloway; this pertains to **Plant Diseases**, such as blight, rots, mildew, etc. The other is called **Entomology**, under Professor Riley, which pertains to **Insects**—both divisions carrying on investigation as to the cause and effects, and making experiments and recommendations for the benefit of farmers, gardeners, horticulturists and florists.

We have a full line of both insecticides and implements for applying them. (Send for our "Spray-ing Outfit" Circular.)

INSECTICIDES

- APHIS PUNK.** A preparation of nicotine in most convenient form for killing insect life on plants and flowers without injuring sensitive blooms or foliage. 60c. per box of 12 rolls.
- BORDEAUX MIXTURE.** For black rot, mildew or blight. In liquid form. Ready for use by adding water. One gallon of mixture makes 50 gallons. Price, 1 quart can, 45c.; 1 gallon can, \$1.25.
- COPPER SULPHATE** for early spraying and making Bordeaux Mixture. Lb., 15c.; 25 lbs., \$3.00; 100 lbs., \$10.00.
- FIR TREE OIL.** For mealy bug, red spider, scale, thrip, green fly, etc. 1/2 pt., 40c.; pt., 75c.; qt., \$1.25; gal., \$4.00.
- HELLEBORE.** For rose slugs. 1 lb., 25c.; 5 lbs., \$1.00.
- INSECT POWDER.** (Persian.) For ants, roaches, fleas, etc. 1/4 lb., 15c.; lb., 50c.
- KEROSENE EMULSION.** Concentrated for pea louse, San Jose scale and all sucking insects. 1 quart cans, 35c.; 1 gallon cans, 85c.
- KRAFF'S TONIC AND INSECTICIDE.** 25c. per bottle; 75c. per quart.
- LEMON OIL.** For mealy bug, scale, thrip, etc. 1/2 pint, 25c.; pint, 40c.; quart, 75c.
- LONDON PURPLE.** Lb., 20c.; 5 lbs., 90c.
- PARIS GREEN (Pure).** Lb., 20c.; 5 lbs., 90c.
- PILLAR CATER.** For preventing insects crawling up trees. Invaluable for the Elm Beetle. Per yard, 15c.
- ROSE LEAF EXTRACT OF TOBACCO.** Pt., 25c.; qt., 50c.; 1 gal., \$1.25.
- SLUG SHOT.** For potato bugs, cabbage and currant worms. 5 lbs., 25c.; per 100 lbs., \$3.50.
- TOBACCO DUST.** Pure ground tobacco (not ground stems). Per lb., 5c.; per 100 lbs., \$2.50.
- TOBACCO STEMS.** Per bale of about 250 lbs., \$1.50; per ton, \$10.00.
- WHALE OIL SOAP.** For washing trees and for insects on tender plants. 1 lb. box, 15c.; 5 lbs., 10c. per lb.
- "WEE DICIDE."** For killing weeds in walks, drives, etc. One gallon pail makes 20 gallons treating liquid, 75c.; 2 gallon pail, \$1.25.

HAZLETINE'S NIGHT MOTH CATCHER



Is a night torch with reflector, that attracts the moths that fly at night. They strike the tin reflector and drop down into the pan of kerosene oil.

Kills the mother of the APPLE and PEAR WORM, THE CODLING MOTH, also the stinging insect that stings the fruit, the TENT CATERPILLAR and the BORER BEETLE. Price, without the pan, 85c.

LIGHTNING INSECT SPRAYER

PRICE, 75c.



The best Atomizer Sprayer on the market. An ordinary Mason glass jar screws into position. Will not rust or corrode, and if broken can be replaced for a few cents at any country store. Price, 75c.

EMPIRE KING SPRAY PUMP

This is a large, powerful pump for the largest orchard work. Has a seamless brass cylinder, 2 1/2 inches inside diameter, 8 inches long, with solid brass plunger and rod, brass valves without leather or rubber. Has two Eureka nozzles on two ten-foot sections of heavy hose, so two rows of trees or vines can be sprayed at one time. Has mechanical agitator and all brass working parts. Price, \$12.00.

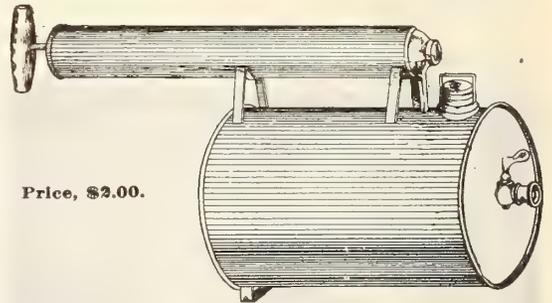


EMPIRE KING PUMP WITH AGITATOR.

LEGGETT'S PARIS GREEN GUN

For applying dry powders, such as Paris green, on plants, the powder being evenly distributed over a wide space. The reservoir holds 4 pounds of Paris green (or over a quart of other powder), and by a rapidly revolving fan it distributes the pure green without the necessity of mixing it with plaster. It can be gauged to throw any amount per acre desired. Will do two rows of potatoes at once. Price, \$7.50 each.

THE BLIZZARD AIR PRESSURE SPRAYER



Price, \$2.00.

This is the best and most complete and up-to-date line of sprayers on the market. They are very quick and easy working sprayers. You put in the liquid, pump a few strokes with the air pump, and then open the cock and the air pressure does the rest. They will spray your fruit trees, tobacco, grape or potatoes, whitewash your poultry houses, etc. They will throw a broad, mist-like spray or a coarse Bordeaux spray, or a straight stream.

PRICE LIST

- 1 gal. (see cut), galvanized tank, \$2.00
- 1 " copper tank 3.00
- 3 " galvanized tank 5.00
- 3 " copper tank 6.50
- 4 " double cylinder, galvanized tank 5.50
- 4 " double cylind., copper tank, 7.50

ASBESTOS TORCH

A ball of Asbestos in wire guard, and made to attach to a pole. Soak the Asbestos in kerosene and let flame burn off nests of caterpillars. Will burn for half an hour. Price, 30c. each; by mail, 40c.



ASBESTOS TORCH.



HIGH GRADE FERTILIZERS HIGH GRADE

For the Farm, Lawn, Garden and Greenhouse

WRITE FOR SPECIAL PRICES IN QUANTITY

ASHES (Canada Unleached Hardwood). Indispensable as a lawn dressing, or to apply to orchards. They should be applied late in fall or early in spring, so that the rains and snows may leach the ashes and carry the elements down to the roots of grass or trees. These contain all of the fertilizing elements except nitrogen. They drive away insects, and are indispensable for all crops requiring potash. Apply about 1000 lbs. to the acre. Per 100 lbs., \$1.50; bbl. of 250 lbs., \$2.50; ton of 2000 lbs., \$18.00.

GROUND BONE. In fertilization nothing takes precedence in importance over animal bones, because they furnish the soil with the essential requisite of nitrogen as well as phosphoric acid. The most substantial fertilizer for lawns and plants. It keeps on feeding the soil for fully ten months. 3-lb. box, 15c.; 5-lb. bag, 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 100 lbs., \$2.00; sack of 200 lbs., \$3.50; ton, \$30.00.

BONE FLOUR. Ground perfectly fine; an excellent fertilizer for pot plants or beds where an immediate effect is wanted. 5 lbs., 25c.; 100 lbs., \$3.00; bbl. of 200 lbs., \$5.00; ton, \$45.00.

No. 1.—BONE PHOSPHATE. This is the leading ammoniated phosphate. A perfectly pure and high-grade article, and the best for general purposes. In making new lawns or golf links this brand is one of the best for immediate effect. 5 lbs., 25c.; 100 lbs., \$2.00; 200-lb. bag, \$4.50; ton, \$23.00.

J. & S. PLANT FOOD. Made especially for plants grown in conservatory, house or garden. Clean, free from offensive odor. Full directions with each package. Package, 15c.; by mail, 25c.

CLAY'S FERTILIZER. Imported manure especially recommended for flowers or vegetables, to bring the highest perfection. Should be used in potting soil, and spread on staging of greenhouses planted with flowering plants. Per bag of 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.50.

COTTON SEED MEAL. \$2.00 per 100-lb. sack; \$25.00 per ton. Special price will be quoted on larger lots.

GILT-EDGED POTATO MANURE. Made expressly for white and sweet potatoes and tobacco. Has great power to retain moisture. Keeps tubers clean and smooth. Per 200-lb. bag, \$3.25; per ton, \$29.00.

KAINIT (German Potash Salt). One of the most useful ingredients for making "Commercial" fertilizers or using alone. Apply

at the rate of 1000 lbs. per acre. If used on lawns it should be spread during winter. 100 lbs., \$1.50; 200 lbs., \$2.50; per ton, \$14.00.

LAND PLASTER. Excellent for composting, fertilizing or mixing with guano. A fine lawn fertilizer. 100-lb. bag, \$1.00; barrel, 200 lbs., \$1.50; per ton, \$10.00.

LAWN DRESSING (Odorless). A scientific food for lawns. Guaranteed. 10 lbs., 40c.; 25-lb. bag, \$1.00; 50-lb. bag, \$1.75; 100-lb. bag, \$3.00.

MANURE. We can supply at short notice strictly first-class, clean, short or long stable manure. In carload lots only. Special prices by letter—delivered at your station.

MURIATE OF POTASH. A high-grade fertilizer, and one of the best orchard fertilizers known. Used largely in peach cultivation, and as a general fertilizer. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

NITRATE OF SODA. A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being extremely soluble, it should not be applied until the plants are above ground, when 100 to 300 lbs. per acre should be sown mixed with wood-ashes or land-plaster. Nitrate of soda does not exhaust the land. 5 lbs., 25c.; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50; 300 lbs., \$9.00.

POUDRETTE. Native Guano. Contains all the elements necessary for plant life; used extensively among market gardeners. Per 100 lbs., \$1.50; per ton, \$20.00.

SALT (Agricultural). For top-dressing asparagus beds. Apply very early in spring, at the rate of 800 to 1000 lbs. per acre. 200 lbs., \$1.50; per ton, \$10.00.

SHEEP MANURE (Pulverized). This is a pure natural manure and the most nutritious food for plants. One of the best manures to mix with soil for potting plants—one part manure to six parts soil. For vegetable garden, placed directly in hills or drills, it promotes a rapid, steady growth until maturity. As a lawn top-dressing it is unequalled. 5-lb. package, 25c.; 10 lbs., 40c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

TOBACCO STEMS. This has become an indispensable lawn covering for winter. It not only acts as a protector, but imparts large quantities of ammonia, and drives away insects and moles, which harbor in a lawn during winter. Bbl., \$1.00; bale of about 250 lbs., \$1.50.



DISINFECTANTS



NAPCREOL

A Fluid Disinfectant and Deodorant
(NON-POISONOUS)

Napcreol is unexcelled for disinfecting poultry houses and runs, stables, dog kennels, toilets, or any place where a good germ or odor destroyer is needed. *One gallon will make 100 gallons of disinfectant.*

For Poultry Diseases. It is a reliable home remedy for all germ diseases affecting poultry. Its use prevents disease. It will cure roup, diphtheria, cholera, chicken-pox, sore eyes, canker, scaly legs, favus, and diarrhoea. It will destroy disease germs, mange, parasites, fleas, mites, lice, ticks, and worms.

Napcreol is a thoroughly reliable preparation, and is made with as much care as if it were to be used for human beings. *It is ready for immediate use by simply mixing with fresh water,* and is a safe and sure substitute for poisonous disinfectants.

For Horses and Cattle. Cures cuts, galls, mange, scratches, thrush, cracks, and fissures. Destroys ticks, mites, and other parasites. It is an ideal stable disinfectant; removes odors, prevents flies from breeding, and purifies and sweetens.

For Dogs and Cats or Other Pet Animals. A disinfectant and deodorant. Cures wounds, scratches, and mange. Kills fleas and ticks.

Napcreol is put up in half-gallon and gallon cans, with full directions for use on each package.

Price, half-gallon can, 85c.; gallon can, \$1.50.

"SANITAS" DISINFECTING SAWDUST

A clean and effective preparation for use in dwellings, markets, kennels, stables, cattle sheds, poultryhouses, and runs. It absorbs offensive moisture, and is very rapid in its action, not only as a deodorizer, but also as an air purifier.

DIRECTIONS FOR USE: This is a very strong preparation, and may be diluted with from one to fifty parts of ordinary sawdust, according to requirements.

Sold in tin cans holding 8 lbs., \$1.00; in barrels of about 60 lbs., at 10c. lb.; in barrels of 100 lbs., at 9c. lb.

"SANITAS" DISINFECTING POWDER

"Sanitas" Disinfecting Powder is fragrant, and stronger as an antiseptic than carbolic acid or any other powder in the market, besides which it possesses also powerful oxidizing properties, thus exhibiting a twofold character not rivaled by any other product.

1-lb. perforated tin box, 25c.; 70-lb. box, \$4.00; 150-lb. barrel, \$7.50.

OIL OF TAR

OR STANDARD DISINFECTANT

For Fleas on Dogs, for Chicken Cholera,
for Roup, Canker, Lice, and Gapes



It partakes of the nature of carbolic acid without having its dangerous poisonous and corrosive properties; it is prepared from coal tar, and retains the carbolic acid of the tar in a harmless form; it mixes with water in any proportion, forming an emulsion, which is handy and pleasant to use.

Simply mix with water (1 part to 100 of water), and use the mixture for washing dogs, or for disinfecting your poultry house, or stable, or cow barn. Also a perfect article for sweetening your water closet, drains, etc., and for ridding your buildings of ants, roaches, bugs, etc.

Price, qts., 30c.; ½ gal., 55c.; 1 gal., \$1.00; 5-gal. cans, \$4.00; 10-gal. cans, \$7.50.



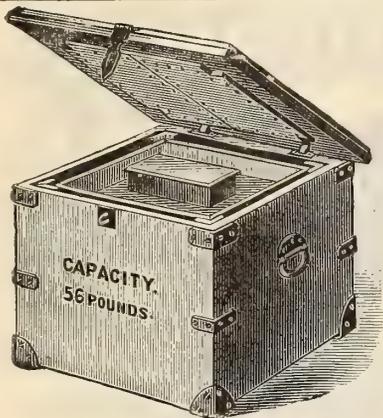
"SANITAS" PURE SULPHUR FUMIGATING CANDLES

WITH WATER JACKET

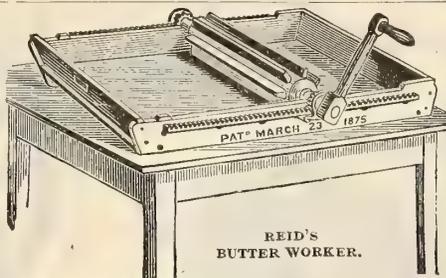
For the disinfection of infected rooms, hospital wards, railroad cars, bedding, clothing, and drapery, after cases of diphtheria, cholera, scarlet fever, typhoid fever, smallpox, and other infectious diseases, and for the destruction of disease germs and insect life and vermin in empty rooms, kitchens, stables, kennels, poultry houses, cellars, etc.

The employment of water in connection with burning sulphur is an element of safety from fire, while the vapor produced by its evaporation greatly increases the germicidal power of the sulphur fumes; therefore these candles disinfect more perfectly than any other in the market; they also light more certainly and easily; they may be extinguished at pleasure by covering the tin can with a plate or board.

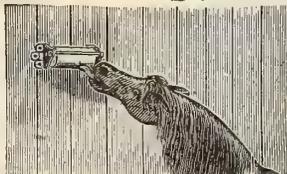
With water jacket, 25c. each.



BUTTER SHIPPING BOX.



REID'S BUTTER WORKER.



SALT ROLL. 50c.

DAIRY SUPPLIES—Continued

Creameries.—Reid's "Peerless."

No. 2, 2 cans, 4 to 6 cows (See cut),	\$21 60
" 3, 3 " 7 to 9 "	29 40
" 4, 4 " 10 to 12 "	32 00
" 5, 6 " 13 to 18 "	41 60
" 6, 8 " 19 to 24 "	51 20

Labels, for sheep, hogs and cattle. Stamped with your name and numbered. (See Cut).

For Sheep and Hogs, per dozen, 50c; per 100,	2 50
Punch for above, each,	1 00
For Cattle, per dozen, 75c; per 100,	4 50
Punch for above, each,	1 50

Lactometers, each, 35c; by mail, 50

Milk Cans.—Railroad.

20 quart, extra heavy,	3 00
30 " " "	3 50
40 " " "	4 00

Milking Pail and Stool, "Perfect," 2 25

Milking Tubes, silver-plated, three sizes, each, 30

Ox Balls, for the tips of horns, brass, each, 6c., 8c., 10c. and 12

Parchment Butter Paper.

Per 1,000 Sheets.

8 x 8 inches, for 1/2 lb. square prints,	\$0 60
9 x 9 " " " 1/2 round " "	75
8 x 11 " " " 1 square " "	80
10 x 10 " " " 1 round and cot. cheese,	85
9 x 12 " " " 1 " or square, " "	85
12 x 12 " " " cottage cheese,	1 30
12 x 18 " " " 2 lb. square prints,	1 75

Root Cutters, Banner (See cut), 8 50

Salt Roll, to fasten to stalls, complete (See cut), 50
Extra Salt Rolls, 15

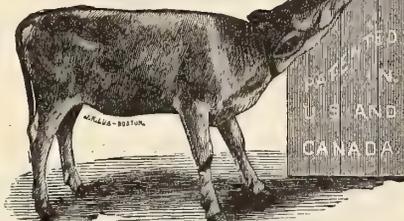
Shipping Butter Boxes.

Capacity, 20 pounds,	2 75
" 30 " "	3 25
" 40 " "	3 80
" 56 " "	4 00
" 80 " "	4 40
" 96 " "	4 60
" 120 " "	4 80

Teat Openers. Humane way of opening obstructed teats, 75

Thermometers.

Floating Glass Dairy, 15c. each; per dozen,	1 60
Maximum and Minimum, each,	2 50
Hot Bed or Mushroom Bed, with brass end,	1 50
Wooden Back, red fluid,	35
Tin Case, 7 inch, 15c.; per dozen,	1 50
" 8 " 18c.; " "	1 75
" 10 " 20c.; " "	2 00



SMALL'S CALF FEEDER. \$2.00.

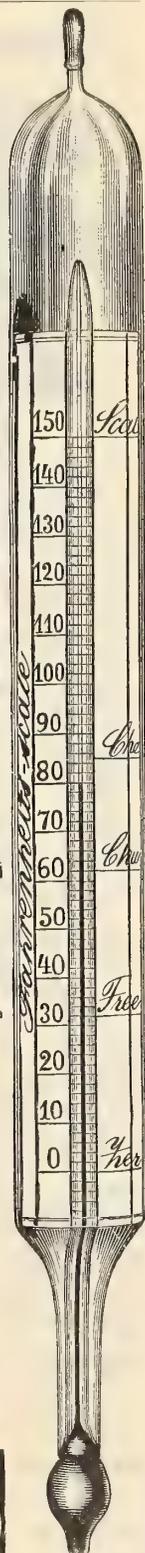


MILKING PAIL AND STOOL. \$2.25.

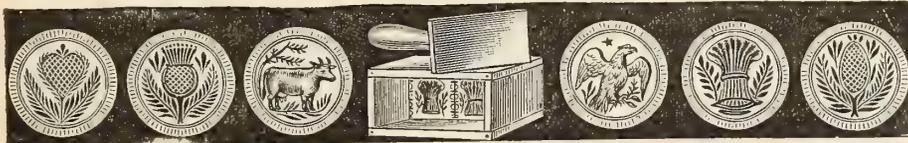
BULL GUARD in use. A perfect tamer.



BANNER ROOT CUTTER. Price, \$8 50.



FLOATING DAIRY THERMOMETER. 15c. each; 20c. by mail.

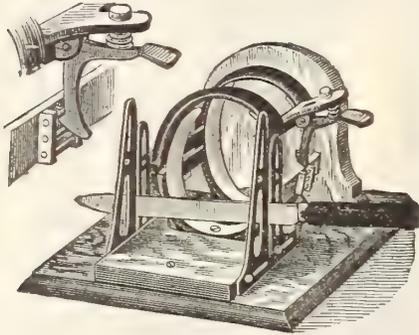


Heart. Thistle. Cow. Square Mould. Eagle. Sheaf. Pineapple. Butter Prints.—Round Prints, 1/2-lb., 30c.; 1-lb., 40c. Square Moulds, 1/2-lb., 50c.; 1-lb., 75c.



Garden and Farm Tools

ALPHABETICALLY ARRANGED



ACME ASPARAGUS BUNCHER, \$1.75.

ACME ASPARAGUS BUNCHER

Is the best and most satisfactory buncher in every respect of any in the market. It can be gauged to make either short or long bunches, according to the length of the "grass." The fastening arrangement is a very efficient and simple device; fastens automatically. It has a double instead of a single hinge, which makes it very strong and firm. The top of the buncher opens clear back, which renders the filling of the buncher a very easy and rapid operation. Price, \$1.50. Knife guide, extra, 40c.

ASPARAGUS KNIVES. Chisel shape, 30c. each; \$3.00 per dozen.

ASBESTOS TORCH. For destroying insects on trees, etc., 30c.; by mail, 40c.

AXE. Heavy, \$1.25; medium, \$1.00; light, 90c.

BASKETS.	Per Doz.	Per 100.
5/8 bush. stave	\$1.00	\$7.00
1/2 " splint	2.50	20.00
3/4 " "	3.00	22.00

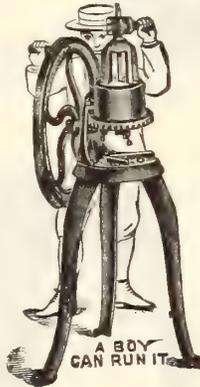
BEE SUPPLIES. See pages 121 to 123.

BERRY CRATES AND BASKETS.

32 quart chests, complete . . . 50c. each, \$5.50 per dozen.
Boxes—pint, oval 65c. per 100, \$5.00 per 1,000.
" quart, square 55c. " 100, \$4.50 " 1,000.

BONE CUTTERS and MILLS

We offer three styles of green bone cutters. We do not recommend the sizes smaller than the **Mann's No. 7**, the **Humphrey No. 1**, or **Stearn's No. 2**. All of these are good. Green cut bone is a valuable feed for poultry in the Winter season. It stimulates egg production in a remarkable degree, and is better than any tonic or stimulant or drug. It stops egg-eating and effectually stops feather-pulling. When your fowls are feather-pulling it shows they need green cut bone.



MANN'S open cylinder type.

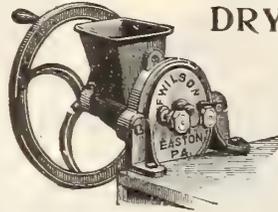
No. 5 C.	\$6 00
No. 5 B.	8 00
No. 5 B. M.	10 40
No. 7	12 00
No. 9	18 40

HUMPHREY.

No. 1	\$12 00
No. 2 1/2	17 00
No. 3	35 00

STEARN'S.

No. 4	\$6 00
No. 5	8 00
No. 2	12 00
No. 6, with legs	15 00
No. 7, Ball Bearing	20 00



DRY BONE and SHELL MILL

This mill is made for grinding dry bones, shells, grain and many other substances for poultry. It can also be furnished with iron legs, if desired.

Price, complete, as shown in cut, \$4.50; with iron legs, \$6.50.

DRY BONE AND SHELL MILL.

BOILERS. See Feed Cookers, page 97.

BROOMS. Rattan for stable, 4-row, 50c.

" " " " " " 60c.

BRUSH OR BRIAR HOOK. Long Handle, \$1.25.

" " " " " " With knife on back, \$1.50.



BUCKEYE CIDER MILL.

CIDER MILLS

The Buckeye Cider Mills are well known, and for finish and excellence of design and results they stand in the van.

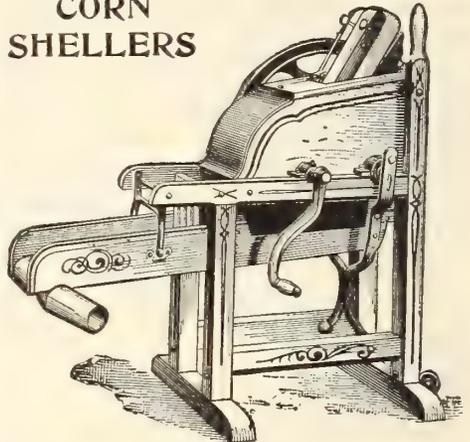
PRICES

Junior	\$12 00
Medium	16 00
Senior	20 00

Corn Planters

Automatic Hand Corn Planters will drop the kernels regularly and surely; cheap and durable. Price, each, \$1.50.

CORN SHELLERS



"INVINCIBLE"

A thoroughly good sheller in every respect. Right hand, with shaker-separator that sieves out all dust and dirt and leaves the shelled product all ready to bag up as it comes from the machine. Price, \$8.00.

"LIGHTNING" TWO HOLE

A strong, heavy two-hole sheller, with feed table, and with a capacity for great work. An excellent sheller in every respect. Price, \$14.00.

"FAVORITE JR."

This is the best low-priced sheller on the market; strong and well made. Right hand, and will take the largest gourd seed corn, and separates the cobs from the corn. Price, \$6.00.

CHAMPION BALL BEARING BOX CORN SHELLER

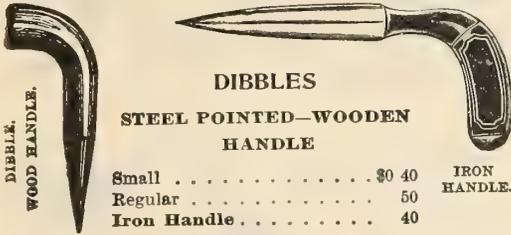
It can be set to shell any corn that grows. Set it for pop corn and it will shell pop corn; set it for field corn and it will shell field corn; set it for the largest corn that grows and it will shell the largest corn that grows.

The power gained by using ball bearings makes it run very easy, and saves the expense of a heavy balance wheel.

Price, \$2.00.

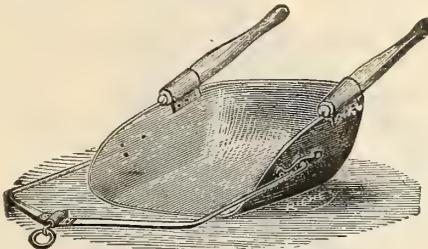


CULTIVATORS. See pages 99, 100 and 3d cover.
DAIRY SUPPLIES. See pages 94 and 95.



DIBBLES
STEEL POINTED—WOODEN HANDLE

Small	\$0 40	IRON HANDLE.
Regular	50	
Iron Handle	40	



SOLID STEEL DIRT SCRAPER.

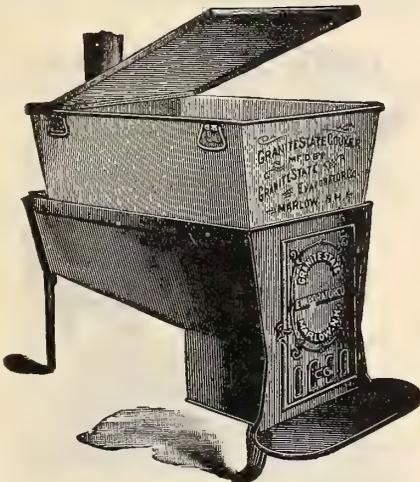
DIRT SCRAPERS

Fitted with steel runners and balanced at swivels so as to turn and dump easily.
Price \$7 00

DOCK EXTRACTORS

D-Handle, strong \$2 00
DRILLS. See pages 100 and 3d cover.

Feed Cookers



Reliable Stock Food Cooker

For heating or cooking all kinds of food for Hogs, Cattle, Poultry or Dogs. Also for heating water when butchering hogs. Requires very little fuel, the sides and linings being of sheet steel plates, and the boiler of galvanized steel that will neither rust nor corrode, nor require painting.

PRICES

Size	For wood only	For wood and coal
20 gallons	\$5 00	
35 "	8 00	\$9 00
50 "	10 00	12 00
100 "	12 00	16 00

FEED COOKERS—Continued

"EMPIRE STATE" FEED COOKERS

Same as Granite State, except that they are made lighter and cheaper to sell for less money. The boilers are straight instead of flaring sides.

No. 1, 25 gallons	Net cash, \$10 00
" 4, 50 gallons	" 15 00



POULTRYMEN'S BOILER

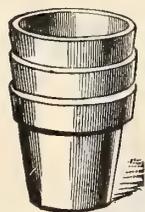
Often in preparing cooked food for poultry, articles are used that, while just the thing for poultry, the housewife does not like the odor through the house. A boiler of this sort can be used outside or in the outbuilding. We have them for wood or coal.

PRICE LIST

	For wood	For coal
22 gallons	\$15 00	\$18 00
30 "	19 00	23 00
45 "	26 00	31 00

FLOWER POTS

"STANDARD" PATTERN



Size	Per doz.	Per 100	Per 1000
1 3/4	\$0 06	\$0 44	\$3 46
4 1/4	20	1 56	12 37
4 1/2	24	1 88	14 85
5	32	2 50	19 80
5 1/2	41	3 13	24 75
6	49	3 75	29 70
6 1/2	62	4 80	44 00
7	78	6 00	55 00
8	1 09	8 40	77 00
9	1 56	12 00	110 00
10	2 11	16 20	148 50
11	2 81	21 60	
12	3 90	30 00	
FLOWER POTS. 14	7 80	60 00	

FLORAL TOOLS

Set of 4 for children	\$0 25
" " 4, larger	50
" " 6, "	1 00

FORKS

Hand Weeding, all steel	\$0 35
" " malleable	10 and 15
Digging or spading, 4 prong	90
" " 5 "	1 25
Manure, long handle, 4 tine	75
" " 5 "	1 25
" " D " 4 "	75
" " " 5 " heavy	1 25
Hay and straw, long handle, 3 tine	75
" " short " 2 "	60



FRUIT PICKERS. Wire, 50c.

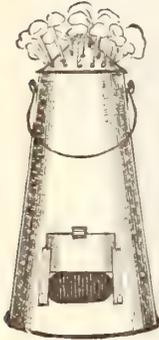
FUMIGATORS

PERFECTION FUMIGATOR

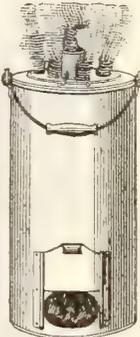
Will fumigate and vaporize at the same time. The tank should be filled with water; when the stems are lighted the water boils and emits a dense mass of moistened smoke or steam.

Made in two separate bodies, detachable, does not become heated when in operation, harmless to the most tender plants.

- No. 1 holds 1 peck of stems, \$2.75.
- No. 2 holds 1/2 bushel of stems, \$3.25.
- No. 3 holds 3/4 bushel of stems, \$3.75.
- No. 4 holds 1 bushel of stems, \$5.00.



EUREKA.



PERFECTION.

EUREKA FUMIGATOR

Made of extra heavy galvanized iron. No. 1, \$1.00; No. 2, \$1.50; No. 3, \$2.00; No. 4, \$3.00.

Garden Reels and Lines

For marking out the Garden Rows.

- Iron Painted, for 100 feet Linen Line \$0 40
- Iron Painted, for 300 feet Linen Line 60
- Galvanized, Single 1 25
- Large Double 2 00



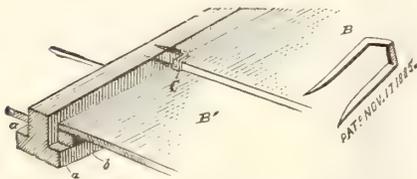
GARDEN REEL.

GARDEN LINES. Best Italian flax. 30 ft., 20c.; 60 ft., 35c.; 90 ft., 50c.; 150 ft., heavy, 85c.

GARDEN SETS. See floral tools, page 96.

GARDEN ROLLERS. See page 103.

GLAZING POINTS



PERFECT GLAZIER POINTS

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts.

- Per box of 1000, 60c.; by mail \$0 77
- Lots of 5000 and over, per box 55
- Pincers for driving 50

GLASS CUTTERS. Steel wheel, 15c.

GLOVES. Heavy goatskin for pruning thorny plants, \$1.00.

GLOVES, Rubber, for handling bees. Ladies' size, \$1.35; men's size, \$1.45.

GRAIN CRADLES. Though the mower and reaper have so largely taken the place of the old-fashioned cradles, yet they are often wanted for cutting small lots where the large horse machine cannot be used to advantage. Price, 5-finger, with long steel scythe, complete, \$3.00.

GRASS EDGING KNIFE

English steel, 8-in., \$1.00; 9-in., \$1.25; American, with handle, 50c.



ENGLISH RIVETED BACK GRASS HOOK.

GRASS HOOKS

- English—riveted back.
- No. 0 \$0 45
- " 1 50
- " 2 60
- " 3 75
- American 25

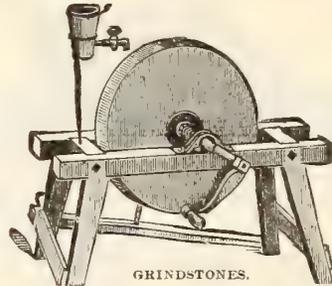
GRAFTING CHISELS. Steel, each, \$1.75.

GRAFTING WAX. 1/4 lb., 10c.; 1/2 lb., 15c.; 1 lb., 25c.



GRASS EDGING KNIFE.

GRINDSTONES



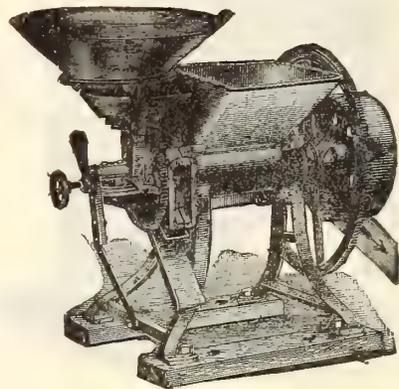
GRINDSTONES.

We carry a stock of the finest quality grindstones and can quote you on any style not here given.

PRICE LIST

- Farmer's 18-inch \$3 25
- " 20 " 3 50
- " 24 " 4 50
- Carpenter's 20-inch imported stone, with treadle, rollers and water can 7 50
- New "Quick Edge" pattern, with seat, two treadles and can, 18-inch stone 5 00

GRINDING MILLS



QUAKER CITY GRINDING MILL.

An excellent mill for grinding corn on the cob, also all shelled grain, bones (after they have been boiled twenty-four hours—not green bones), oyster shells, crackers, dried bread, spices, coffee, etc.

- No. 5, for hand or power, including extra set of cones, \$20 00
- " 10, power only, weight, 300 lbs., 2 to 8 horse-power, including extra set of discs 45 00

GRIST MILL

For grinding corn and cob, fine corn meal and Graham flour for table use. Either hand or power. Capacity, 5 to 8 bushels per hour. Weight, 150 lbs. Pulley, 8 inches. Price, \$22.00.



HARROWS AND HORSE CULTIVATORS

"PLANET JR." HORSE HOES AND CULTIVATORS

Complete "Planet Jr." Catalogue Sent on Request.



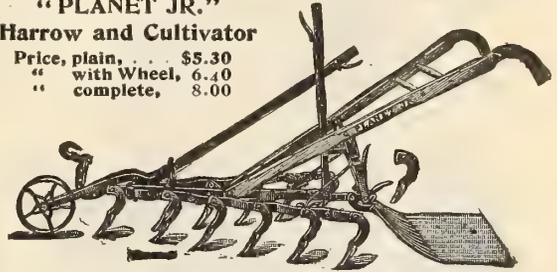
This is the
No. 9 Horse Hoe
Price, \$6.90

Price,
\$6.90

The "PLANET JR." HORSE HOES will do more kinds of work, and better work, than any other make of Horse Hoe. New Depth Regulator and Expander. Hollow Steel Standards. High frame, handles adjustable in height and sidewise. Reversible Side Hoes.

"PLANET JR." Harrow and Cultivator

Price, plain, . . . \$5.30
" with Wheel, 6.40
" complete, 8.00



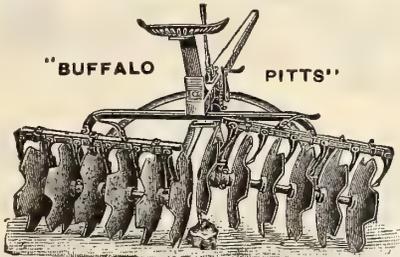
"PLANET JR." Twelve-Tooth Harrow

"PLANET JR." PRICE-LIST

Plain Cultivator, No. 4, without wheel	\$3 75
" " " 4, with wheel	4 50
" " " 9, without wheel	4 85
" " " 9, with wheel	5 55
Horse Hoe, No. 4, without wheel	5 10
" " " 4, with wheel	5 85
" " " 9, " "	6 90
" " " 8, " "	8 00
Double Celery Hiller	13 50

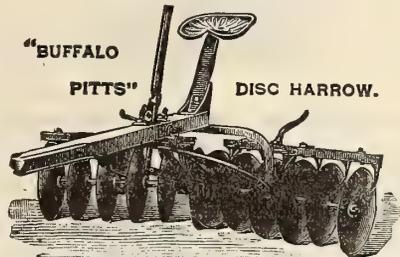
"Buffalo Pitts" Disc Harrows

The "Buffalo Pitts" line of Harrows, both "Disc, Spring and Spike Tooth," have no superior in the world. They are strictly up-to-date, with Ball Bearings, adjustable spring pressure on the inner end of each gang of Discs. No dust can get into the bearings.



"BUFFALO PITTS"

All Steel, Spring Flexible Disc Spading Harrow
Price, \$25.00
1 Horse Size, 6 Discs, \$20.00



"BUFFALO PITTS" DISC HARROW.

All Steel, Spring Flexible Solid Disc Harrow
Price, \$25.00
1 Horse Size, 6 Discs, \$20.00



"BUFFALO PITTS"

Lever Spring Spike Tooth Harrow
The Best Spike Tooth Harrow Made
Teeth can be set at any angle. Price, \$15.00

PRICE-LIST OF "PLANET JR." EXTRAS

1 1/2 x 8 inch Steels . . . \$ 08	6 inch Hoe and Bolt, . . \$0 40
1 3/4 x 8 " " " . . . 09	10 " " " " . . . 50
2 1/4 x 8 " " " . . . 10	Harrow Teeth 15
3 x 8 " " " . . . 11	Deep Tillage Steel . . . 15
4 x 8 " " " . . . 12	Beet Hoes, each 40
1 3/4 x 10 " " " . . . 13	3 inch Beet Sweeps . . 20
2 1/4 x 10 " " " . . . 15	5 " " " " Stl . . . 25
3 x 10 " " " . . . 17	8 " " " " " . . . 30
4 x 10 " " " . . . 20	10 " Furrower 30
6 inch Side Steels, each, . . 50	15 " " " " " . . . 1 25
7 " " " " " . . . 60	20 " " " " " . . . 2 00
8 " Shovel Steel . . . 25	Ridging Steels, each . . 1 10
7 " " " " " . . . 30	Hilling Attachment . . 3 50
Bolts 01 1/2	Roller 1 75
8 inch Sweep and Bolt, . . 30	Reversed Rake 80
10 " " " " " . . . 35	Pulverizer 2 00
12 " " " " " . . . 40	Pulverizer for Harrow, . .
15 " " " " " . . . 45	special 1 75
18 " " " " " . . . 55	



"Acme" Pulverizing Harrow, Clod Crusher and Leveller

is adapted to all soils and all work for which a harrow is needed. It is the cheapest and best riding harrow on earth.

PRICE LIST

No. 23. 2-Horse, 6 ft. 6 in. Cut, Riding	\$17 00
" H. 1 " 4 " 4 " " "	14 00
" G. 1 " 3 " " " Walking	9 50

Prices do not include whiffletrees or neckyoke.



“Iron Age” Drills, Wheel Hoes, Cultivators, Horse Hoes, Etc.

Complete “IRON AGE” Catalogue, fully illustrating all these tools, sent free



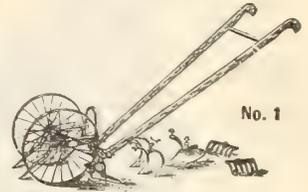
No. 6 “IRON AGE” COMBINED DOUBLE WHEEL HOE, HILL AND DRILL SEEDER

Price, complete, \$11.00. One of the best implements made. Ten tools in one. Sows in rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Quickly changed into a Double or Single Wheel Hoe, as No. 1 opposite. Does each and every operation in the most satisfactory manner.

No. 1 “IRON AGE” DOUBLE OR SINGLE WHEEL HOE

Price, complete, \$6.50.

Is equipped with side hoes and plows, slender steel cultivator teeth and a pair of rakes; simplest, strongest and most practical tool of its kind. As a No. 3 (side hoes only), \$3.75.

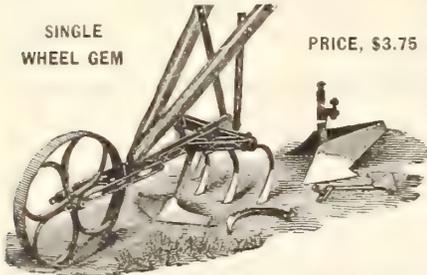


As a Hill and Drill Seeder only (No. 7). Price, \$8.00.

THE GEM OF THE GARDEN WHEEL HOE

Popular for its intrinsic worth.

Single Wheel Hoe Price, \$4 00
Double “ “ 5 00



SINGLE WHEEL GEM

PRICE, \$3.75

No. 20 “IRON AGE” SINGLE WHEEL HOE

Price, complete, \$5.50.

A most perfect Single Wheel Hoe. Plows, rakes, cultivates and hoes. A seed drill attachment may be applied to this tool any time in the future.



No. 20

No. 12 “IRON AGE” WHEEL PLOW AND CULTIVATOR

Notable for lightness, strength, low price and variety of satisfactory work it will accomplish. Can be used as a plow, hoe, cultivator or rake. Price, \$3.25. As Wheel Plow only No. 11. Price, \$2.25.



No. 12

NEW MODEL DRILL

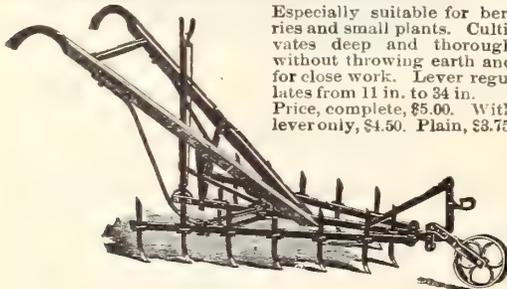
We have sold the New Model Drill for years; it always gives satisfaction. It is strongly made, sows any kind of seed with regularity, and is one of the steady reliables.



PRICE, \$7.50

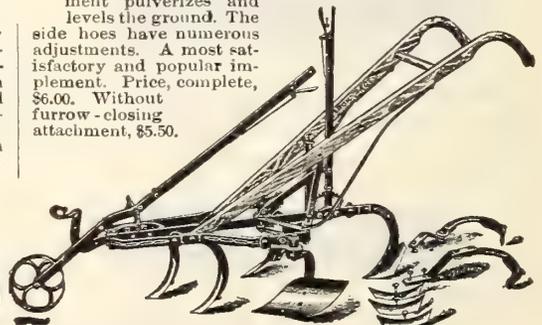
No. 1 “IRON AGE” DIAMOND TOOTH HARROW AND CULTIVATOR.

Especially suitable for berries and small plants. Cultivates deep and thorough without throwing earth and for close work. Lever regulates from 11 in. to 34 in. Price, complete, \$5.00. With lever only, \$4.50. Plain, \$3.75



No. 6 “IRON AGE” HORSE HOE AND CULTIVATOR

Remarkable for great adjustability. With lever is expanded from 11 in. to 30 in. The wheel regulates the depth. The furrow-closing attachment pulverizes and levels the ground. The side hoes have numerous adjustments. A most satisfactory and popular implement. Price, complete, \$6.00. Without furrow-closing attachment, \$5.50.





ROLLERS

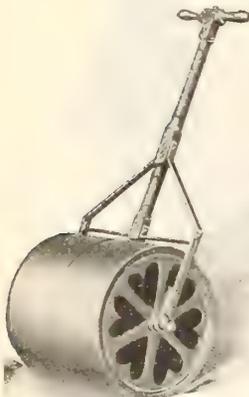
FOR WALKS AND LAWNS

The "BOSS" Roller is a high-grade roller. Rigid, durable and neat.

No.	Diam.	Length	Sec.	Lbs.	Price
1	15	15	2	150	\$7 15
2	15	22	3	200	9 40
3	20	16	2	225	10 50
6	20	24	3	300	13 90
8	20	30	3	350	16 50
10	24	24	2	450	20 60
12	24	30	3	500	22 90

Boss Horse Roller

No.	Diam.	Length	Sec.	Lbs.	Price
40	24	30	3	650	\$39 15
41	24	40	4	800	45 90
44	28	40	4	1000	56 70



BOSS HAND ROLLER.

Rustic Work

Chairs	\$2 50
Settees	4 50
Tables	\$3 00 to 5 00

Saws

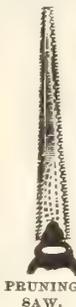
Pruning, 16 inch, 75c.; 18 inch, 90c.; 20 inch, \$1.10; 24 inch, \$1.20. Lightning Double Edge, 65c.

Sash

See Hot-bed Sash, page 101.

Scissors

Flower and Fruit Gatherers, hold after cutting, American, 25c.
Flower and Fruit Gatherers, hold after cutting, Imported, \$1.00.
Grape Thinning, sharp point, English, \$1.00.



PRUNING SAW.

Scythes



ENGLISH RIVETED BACK SCYTHE.

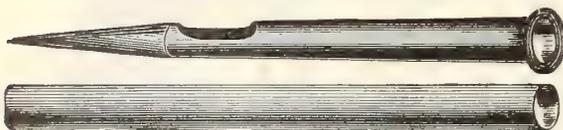
English Lawn, Riveted Back, 30, 32 and 34-inch	\$1 10
" " " " 36 and 38-inch	1 25
American Lawn, Steel	1 00
" " Brush, Short and Heavy	90
Sneathe or Handle for Scythe	75

Scythe Stones

Darby, 10c. Telacre or Welsh, 15c.

Seed Tryers

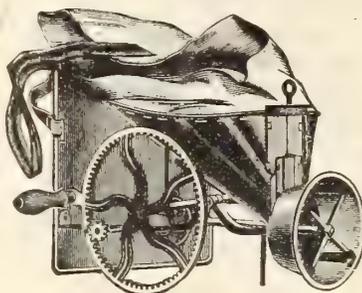
For drawing samples of seed without opening the bag.



No. 1. Small German Silver, for Clover, Timothy, etc., each, \$1.00.

No. 2. Large German Silver, for Wheat, Oats and other Grains, each, \$1.25.

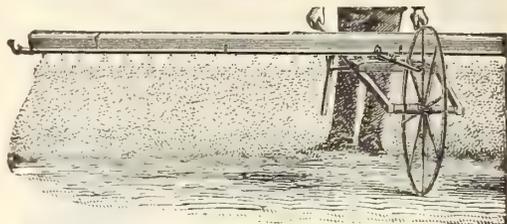
Seed Sowers



CAHOON GRASS SEED SOWER.

CAHOON BROADCAST SEED SOWER

A well-known sower, carried by a strap around the shoulder, and amount sown is easily regulated by the step of the operator. Price, \$3.25.



THOMPSON'S WHEELBARROW GRASS SEEDER.

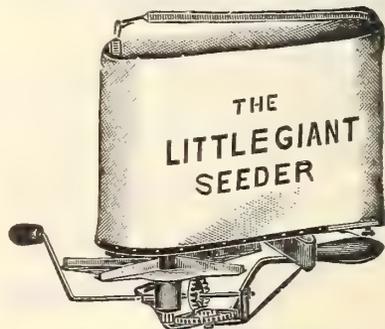
The Thompson Wheelbarrow Grass Seeder

With this machine seed can be sown on any kind or condition of soil, in any kind of weather, any amount per acre required, evenly and accurately. It can be used by any one who can wheel a barrow. There are no cogs, gears, or intricate connections in its entire construction. Mud cannot clog its parts. It is impossible for it to sow any way but accurately, as the entire working parts are governed by the wheel. Lightness and strength are combined in its construction, and the large wheel (33 in. in diameter) makes it very easy to run. The actual weight of complete machine is between 35 and 40 pounds.

It is adapted to all classes of work. Clover, Timothy, Alfalfa, Red Top, Hungarian, Millet, Flax, Crimson Clover, Orchard Grass, Fancy Blue Grass, and Chaffy Seeds are alike sown by it.

Price, No. 1, 14-foot Hopper, for sowing Clover, Timothy, Millet, etc. \$7.00

Price, No. 2, 14-foot Hopper, for sowing Light Grasses, such as Red Top, Orchard, Blue Grass, etc. \$3.00



The Little Giant Broadcast Seeder

This machine has a 4-inch clear throat, and cannot be choked even with strawy oats. They sow the ground three times in going over once, leaving no possible chance for skipping, even in windy weather. They will, by walking at the rate of three miles per hour, sow 90 acres of wheat or 65 acres of Clover Seed in a day of ten hours. They will sow not only Timothy and Clover Seed, but you can sow Oats, Barley, Buckwheat, etc.; in fact, anything that can be broadcasted. Price, \$1.50.



SHEARS

Shears. Grass border, 8-in. blade, \$2.00; 10-in., \$2.50.

Shears. 8-in., with wheel, \$2.50; 10-in., \$3.00.

Shears. Lawn, 2 wheels, 9-in. blade, for cutting under fences and shrubs, \$2.50.

Shears. Hedge, English, with notch 8-in., \$1.50; 9-in., \$1.75; 10-in., \$2.00.

Shears. Grape, pruning, one size, 50c.

Shears. Pruning, Perfection, 7-in., \$1.75; 8-in., \$2.00; 9-in., \$2.25.

Shears. Pruning, German, 8-in., 50c.; 9-in., 65c.

GRASS SHEARS. \$1.00.
SHEARS. German, Small Nickel, \$1.00.



WATERS IMPROVED TREE PRUNER.



BORDER SHEARS

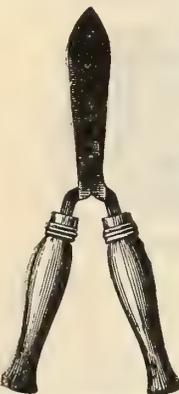


PERFECTION SHEARS.



GERMAN SHEARS.

Shears. Lopping, long handle, 75c.
" Tree Pruning, Waters', 4 ft., 75c.; 6 ft., 85c.; 8 ft., \$1.00; 10 ft., \$1.15; 12 ft., \$1.25.
Shears. Sheep, for grass, 50c. and 75c.



HEDGE SHEARS.

SHELVES

Wire Window Shelves

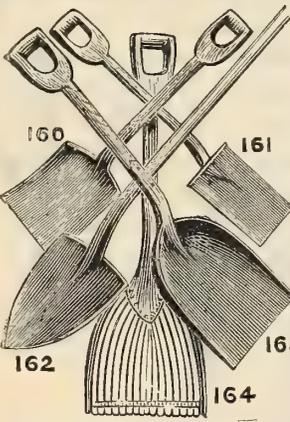
30-inch \$0 75
36 " 90
42 " 1 00



WIRE WINDOW SHELF. 75c. to \$1.00.

SHOVELS

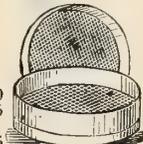
Long handle, round point, 85c.
D handle, round point, 85c.
D handle, square point, 85c.
Long handle, square point, 85c.
D handle, barn scoop, \$1.25.
Wire potato, \$1.50.
Ames' square point, D handle, \$1.50.



SPADES

Long handle, 85c.
D handle, 85c.
Ames' Polished, D handle, \$1.50.

SIEVES



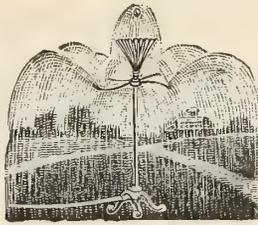
SIEVES.

18-inch, any mesh \$0 60
20 " 75

SPUDS

Long handle, with footrest \$0 75

SPRINKLERS



PECK'S 4-ARM LAWN SPRINKLER. CACTUS LAWN SPRINKLER, \$1.50

Peck's 8-arm \$3 50
" 6 " 3 25
" 4 " 3 00
Ball and Basket extra 2 75
Cactus, see cut 1 50
Globe 1 00
Hub 75
Rubber, Scollay's, 1/2 pint, 50c., 2/3 pint, 75c.; 1 pint 90

SPRINKLING CARTS

Miller's, 1 horse \$75 00

STAKES—For Supporting Plants

Round, Tapering, Painted Green.

	Each	Per doz.	Per 100
1 1/2 ft. . . . .	.3c.	15c.	\$0 90
2 ft. . . . .	.3c.	25c.	1 55
2 1/2 ft.	4c.	38c.	2 35
3 ft. . . . .	.5c.	46c.	2 95
4 ft. . . . .	.7c.	67c.	4 30
5 ft. . . . .	.8c.	78c.	5 00

Heavy Dahlia Stakes. Round, Painted Green.

	Each	Per doz.	Per 100
3 ft. . . . .	.7c.	67c.	\$4 30
3 1/2 ft. . . . .	.8c.	78c.	5 00
4 ft. . . . .	.9c.	88c.	5 70
5 ft. . . . .	.10c.	\$1.10	7 10
6 ft. . . . .	.14c.	1 30	8 50

Cane, 6 to 8 feet long; can be cut any desired length.
Per 100, \$1.00; per 1000, \$8.00.

SYRINGES—Brass



No. A. Barrel, 12 inches long. 1 spray and 1 stream rose \$2.00
No. 2. Barrel, 13 1/2 inches long. 1 coarse and 1 fine spray and 1 stream rose 4.00
No. 10. Barrel, 18 inches long. 1 coarse and 1 fine spray, and 1 stream rose, with patent valves and elbow joint 5 50
No. G. Barrel, 16 inches long. 1 spray and 1 stream rose and elbow joint 4.25
No. H. Barrel, 18 inches long. (Sheet brass.) 1 spray rose 2.50
Horticultural, zinc 1 00
" brass 1 50
Tomato Support, wire, per dozen 1 75
Torch, asbestos, for worms on trees 40

TRELLIS

No.	Per doz.
00 18-inch	\$0 50
0 24 "	75
0 1/2 24 " 7 1/2 inches wide	1 50
1 30 " 10 "	1 75
2 30 " 14 "	3 00
3 36 " 14 "	3 50

Fan

	Each	Per doz.
3 1/2 feet high	\$0 75	
4 " "	85	
5 " "	1 00	
6 " "	1 50	

Veranda

	\$0 25
2 feet	35
3 "	45
4 "	75
5 " 18 inches wide	90
6 " 18 " "	1 00
7 " 18 " "	1 25
8 " 18 " "	1 50
9 " 20 " "	2 00
10 " 20 " "	2 00



THERMOMETERS

Tin, Japanned, 8-inch, 15c.; 10-inch	\$0 20
Household, wood base	50
Distance, tin	20
Self-registering, maximum and minimum	2 50
Hot Bed or Mushroom	1 60
Dairy, all glass	15
Incubator, silver scale	50
" black "	50
" slant "	60
" upright scale	50

TREE PRUNERS. See Shears, page 105.
 TREE SCRAPERS, triangle, 50c.

TREE TUBS

Made of white cedar, bound with extra heavy iron hoops. Drop handles of special pattern, serving as hooks. Substantial iron feet of original design. Removable perforated bottoms, painted green outside and brown inside.

No.	Outside diam.	Length of stave	
0	27 in.	24 in.	\$5 00
1	25 "	22 "	4 60
2	23 "	20 "	3 75
3	21 "	18 "	3 25
4	19½ in.	16 "	2 75
5	18 "	14 "	2 40
6	16½ "	13 "	2 00
7	15 "	12 "	1 75
8	14 "	10 "	1 50

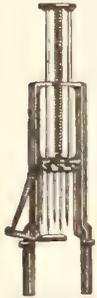


TREE TUBS.

"UNION" TUBS

Made of cypress wood, painted green, iron feet.

No.	Diam.	Length of Stave.	
1	13 in.	11 in.	\$0 75
2	14½ "	13 "	1 25
3	16 "	15 "	1 75
4	20 "	18 "	2 25
5	24 "	21 "	2 75



OLMSTEAD'S MOLE TRAP.

TRAPS MOLE

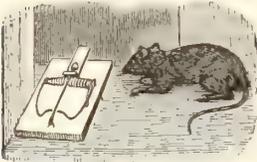
The Olmstead. This, after trying all the makes, is, we believe, the very best trap made. It is made short so it can be used in cold frames. Price, \$1.50.

"Out o' Sight" Mole Traps

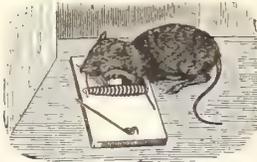
Very low and can be used in hot beds and can be set without disturbing the runway. Price, \$1.00.

"Out o' Sight" Rat and Mouse Traps

The Best Trap for Greenhouse Use



Before Using.



After Using.

The secret of mouse and rat catching is simplicity of trap (nothing to scare), and the chief practical beauty of the "Out o' Sight" is its innocent appearance—nothing about its placid surface which tells a mouse or rat of its approaching danger.

Catches them Coming or Going

with or without bait. Simply place the trap when set (see cut) with pedal end against the wall where they come out from behind boxes, back of shelves or in their runways.

IT NEVER FAILS

Prices.

Mouse size 10c. each; 3 for 25c.; 85c. per dozen.
 Rat size 20c. " 3 for 50c.; \$1.50 "

You can sell them at a good profit.
 Write us for prices by the gross.



TROWELS

Stamped Steel, 10c., 15c. and 20c.
 Solid Steel, Disston's, 6-inch, 35c.; 7-inch, 40c.; 8-inch, 50c.
 Transplanting, 35c.
 Cleaves Angle, 15c. and 20c.



STEEL TROWEL.

TRANSPLANTING TROWEL.

WATERING POTS

GALVANIZED WATER POTS

(Wotherspoon's Make.)

These are the best and most durable water pots made. Each has two roses of brass—one fine and one coarse, with long spouts as shown.

HEAVY.

4 Quart . . .	\$1 50
6 " . . .	1 75
8 " . . .	2 00
10 " . . .	2 25
12 " . . .	2 60

FRENCH PATTERN.

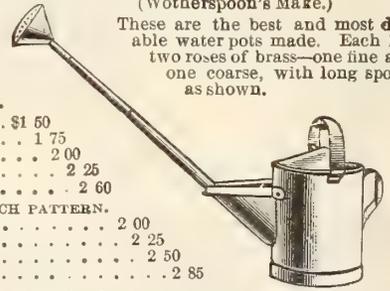
6 Quart	2 00
8 "	2 25
10 "	2 50
12 "	2 85

Light Galvanized, short spout; 2 roses, 1 fine and 1 coarse.

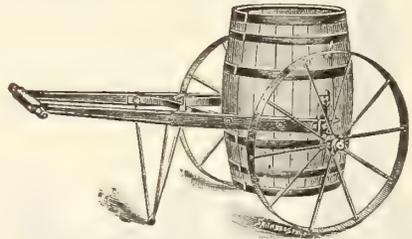
4 quart	40c.	6 quart	50c.	8 quart	65c.
10 "	85c.	12 "	\$1.00	16 "	\$1.50

Tin, Painted Green.

1 quart	20c.	2 quart	25c.	4 quart	35c.
6 "	45c.	8 "	60c.	10 "	75c.



WATER BARREL AND TRUCK



Barrel can be detached from truck without difficulty, or tilted to empty contents. Other barrels can be used and extra irons furnished if desired. The weight is balanced over the axle.

1½ inch wheels	\$ 8 00
2½ " "	8 50
3½ " "	9 25
Large box to fit on truck, extra	2 75
Leaf rack attachment to the water truck	4 25
Sprinkling attachment	3 50
Extra barrels with trunnions	2 50

WEEDERS

Excelsior	\$0 10
Three-prong fork	15
Combination	25
Laing's	25
Hazeltine's	25
Cleveland Lawn	50

EXCELSIOR.



COMBINATION WEEDER.



3-PRONG HAND WEEDERS.



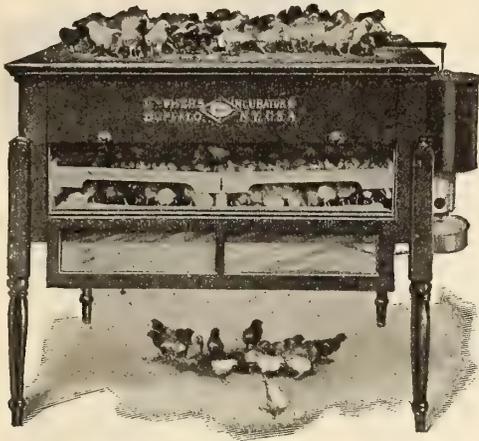
CLEVELAND LAWN WEEDER.

WHEELBARROWS

EASTERN-WIDE TREAD. No. 3, \$3.50; No. 4, \$4.00; No. 5, \$4.50.



Cyphers Incubators



CYPHERS NON-MOISTURE INCUBATORS are now used on more large and successful poultry plants, by more poultry fanciers of national and international reputation, on more Government Experiment Stations, and by more public industrial institutions **than all other makes of incubators combined.**

THE CYPHERS INCUBATOR contains valuable features possessed by no other make, cannot get out of order, or wear out, are absolutely safe from fire, and are self-regulating to a fraction of a degree.

You will not have to sit up nights watching the Cyphers.

The Cyphers Warrant

The Cyphers Patent-Diaphragm, Non-Moisture, Self-Ventilating, and Self-Regulating Incubators, manufactured and sold under registered trade mark, are warranted as follows:—

FIRST.—To require no supplied moisture, thus solving and disposing of the troublesome "moisture question."

SECOND.—To be self-ventilating, the air in the egg chamber remaining sweet and pure.

THIRD.—To be so constructed that the temperature in the egg chamber is more uniform and equable than in any other incubator.

FOURTH.—To be self-regulating, being equipped with the most sensitive, accurate, and durable regulator thus far invented.

FIFTH.—To be precisely as represented in construction, materials, and workmanship, and, with reasonable care, to last ten years without repairs.

SIXTH.—To operate with less oil, and at less expense, than any other make of incubator, and to be as free from offensive odors as an ordinary house lamp.

SEVENTH.—To be easy to set up, hence the most satisfactory incubator for the novice, and to be strictly automatic in operation, except the trimming of the wick, filling the lamp, and turning the eggs.

EIGHTH.—To be, *in all essentials*, the simplest and easiest to operate and control, requiring less labor and less attention than any other style or make of incubator in the world.

PRICE LIST CYPHERS INCUBATORS

No. 0. Capacity, 60 eggs	\$14.00
No. 1. Capacity, 120 eggs	20.00
No. 2. Capacity, 220 eggs	29.00
No. 3. Capacity, 360 to 400 eggs	37.00



Cyphers Three-Apartment Brooder

STYLE A

Next to its incubator, the Cyphers Company prides itself on the three-apartment outdoor brooder it manufactures. We unhesitatingly pronounce this to be the best brooding device on the market for *either indoor or outdoor use*. Briefly, the special merits of this brooder are:—

FIRST.—It is the largest single-flock, popular-priced brooder on the market.

SECOND.—It is rain-proof and storm-proof, having a heavy, tin-covered roof.

THIRD.—It is fire-proof, and is heated by a Cyphers Safety Brooder Stove instead of a lamp.

FOURTH.—The stove is safe and trustworthy.

FIFTH.—The fumes of the stove cannot get into the chick chamber.

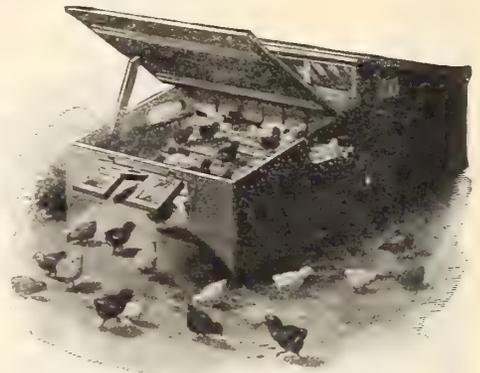
SIXTH.—The brooder stove is easy to get at.

SEVENTH.—The round chick guard prevents crowding and keeps the chicks from coming in contact with the heat dome.

EIGHTH.—When the temperature under the hover is 90 degrees, the temperature just outside the hover is 85 degrees, while in the front apartment it will average several degrees lower. The chicks may therefore suit themselves, going to and from the heat at will.

NINTH.—There are no stairs to climb, and so no danger of little chicks getting lost and chilled while learning the way.

Price, Style A, outdoor \$12.00
 " " B, indoor 10.00



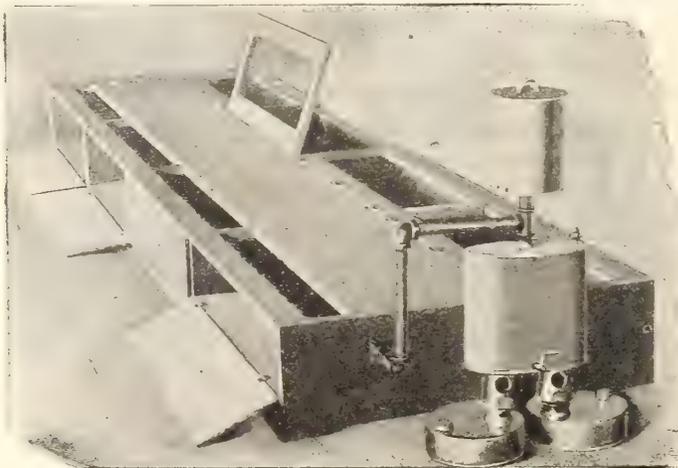
THREE-APARTMENT CYPHERS UNEQUALED OUTDOOR BROODER, STYLE A (FRONT VIEW).

Price \$12.00

Cyphers Sectional Brooder

The Cyphers Sectional Brooders are made in three sizes, viz.: two sections, three sections, and four sections. They are well built in every particular, and have six overhead hot-water pipes, three outgo and three return. Most brooders of this style have only four, which are insufficient. The Cyphers also have an upper expansion tank, which renders them perfectly safe to operate, and are equipped with two large-sized lamps with extra-width burners, thus insuring ample heating power. The space provided for the brooding of the chicks is enclosed with heavy woolen curtains, is large in size, and properly ventilated.

For a practical and inexpensive indoor brooding apparatus, the Cyphers Sectional Brooders cannot be excelled. For example, the four-section brooder, which will brood 400 newly-hatched chicks—100 to each section—costs only \$28, whereas enough separate indoor brooders to hold the same number of chicks would cost \$40. There is also a material saving in labor, for with a sectional brooder only two lamps are used, while with four separate indoor brooders four brooder stoves are necessary.



THE CYPHERS IMPROVED SECTIONAL BROODER (FOUR SECTIONS).

PRICE LIST OF CYPHERS SECTIONAL BROODERS

2 sections, all complete . \$18.00
 3 sections, all complete . 23.00
 4 sections, all complete . 28.00

Metallic Parts for Cyphers Brooders

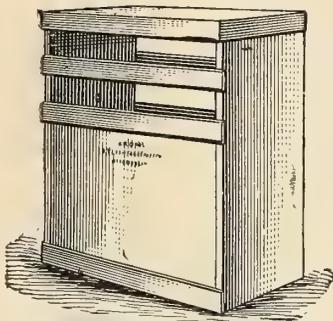
These can be purchased separately where the customer wishes to do his own woodwork. One brooder, however, will need to be ordered for pattern, as we do not furnish plans.

Price for complete outfit, consisting of brooder stove, galvanized iron parts, vents, and thermometer for Style B, Indoor, or Style A, Outdoor, \$5.50 each.



..SHIPPING REQUISITIES..

Shipping Coops



"Single Rate" Coop

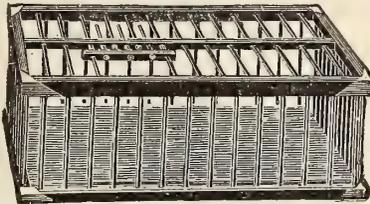
All Wood Slatted
"Single Rate"

Express companies now carry poultry at **single or regular merchandise rate**, provided they are not put in cloth or muslin coops. The coops we sell are all **single raters**, and insist that your expressman puts them through at that rate.

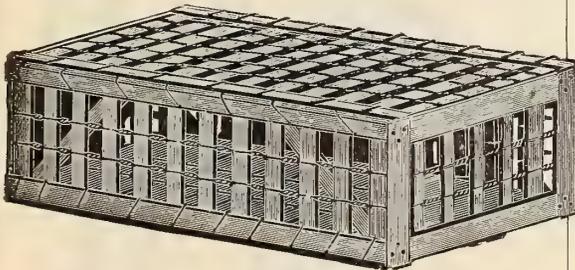
PRICE LIST

Single bird,	15 x 12 x 20 in.,	each,	25c.;	doz.,	\$2.25
Pair,	18 x 12 x 20 in.,	"	30c.;	"	2.75
Trio,	24 x 15 x 20 in.,	"	35c.;	"	3.25
Trio (export),	30 x 18 x 20 in.,	"	50c.;	"	5.00

The Keystone Shipping Crate FOR LIVE POULTRY



The **Keystone Poultry Shipping Crate** has been placed on the market to meet the long felt want of a strong but light crate. It is made of strong but light wood; securely braced at every joint with patent strap iron, while each corner is secured with a turned strap iron from top to bottom, and so fastened as to never allow risk of breaking apart in transit. Weight, about 15 lbs. Size, 1 foot high, 2 feet wide, 3 feet long. Price, \$1.25 each.

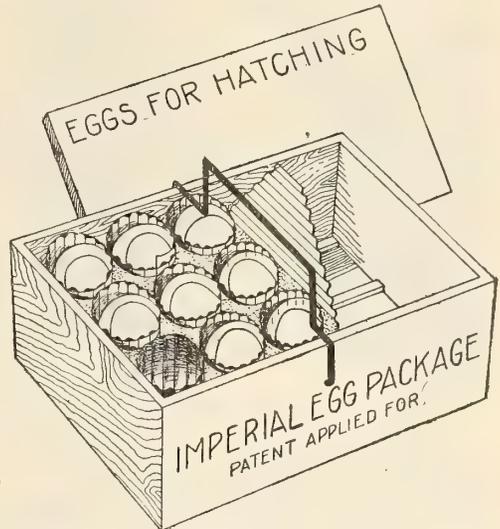


Sites' Ventilated Coop For Shipping Live Poultry

The Best, Cheapest, Strongest, Lightest and Most Durable Coop in Use

Our latest improved coops have substantial frame ends and thoroughly braced. The door on top of coop is securely held in place by a steel spring which forms a hinge for the door. Chicken coops, standard size, 3 feet long, 2 feet wide and 1 foot high. Price, .90 each; \$10 per dozen; \$75 per 100.

Imperial Egg Package



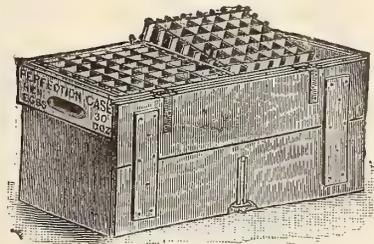
We offer this new package for shipping eggs for hatching, with the confidence that it will be found more satisfactory than any box previously offered. Constructed so that each egg is encased in a corrugated paper cylinder, and rests on a cushion of the same material. These cylinders are adjustable to any size egg, and absolutely prevent breakage.

Each package is equipped with strong wire handles, which lock into the box. Contents of box cannot be tampered with without showing traces, if directions for packing are observed.

PRICES

15-egg size, \$1.50 doz.; 30-egg size, \$2.00 doz.; 45-egg size, \$2.50 doz.

Perfection Egg Cases



Perfection Egg Case

These are the best Patent Clasp Egg Crates on the market. Strong hinges, well made, and will stand shipping and returning without damage.

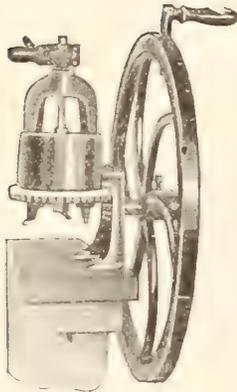
PRICE LIST

	Each	Doz.
Perfection case for hen eggs (30 doz.),	\$0.90	\$10.00
" " duck " (30 "),	1.20	13.00
Hen-egg fillers. Per set,	25c.	
" " Per crate of 10 sets,	\$2.25	
Duck-egg " Per set,	25c.	
" " Per crate of 12 sets,	\$2.75.	



MANN'S GREEN BONE CUTTERS

New 1902 Models



No. 5B
Price, \$8.00

regulates the power required, so that it cannot run hard. The feed screw is large, and has a coarse thread that will not wear out or crush down or break. The gears are guarded, so that they cannot clog. The cylinder has been enlarged, and takes in a good-sized bone. They have specially improved corrugated and adjustable steel knives. They are strongly built, and will not break or wear out.

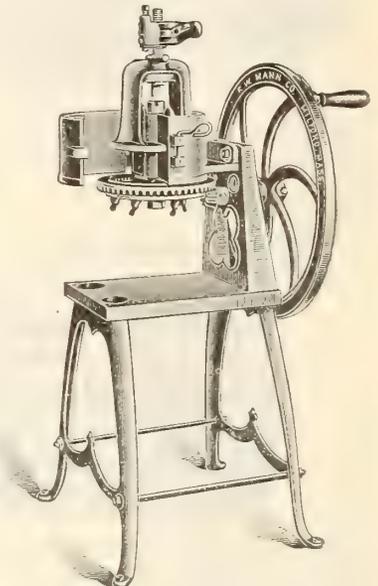
A large part of the value of green bones for poultry is due to the perfectly fresh animal food which they contain. This differs from any food ordinarily obtained for poultry in winter time, and upon this must depend the extraordinary results which are obtained by those who are feeding it.

Fresh bones, meat and gristle, when fed to your poultry, will double the number of eggs. Fresh bones from the market, when fed to the flock, will make the eggs hatch more vigorous chicks. Fresh bones will increase the vigor of the whole flock. Fresh bones will make the eggs more fertile. It stops egg eating. It effectually stops feather picking. Fresh bones will cause the little chicks to grow much faster and larger.

MANN'S GREEN BONE CUTTERS

The most wonderful Bone Cutters ever made.

They surpass all others in easy and rapid cutting. They feed automatically and leave both hands free to operate. The feed



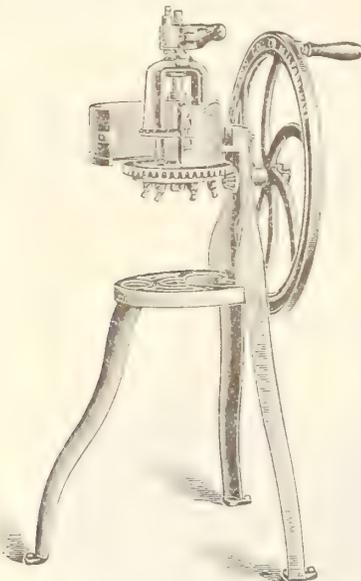
No. 9 1902 Model
Price, \$18.40

The new No. 5

is an improvement on the old style No. 1. It has larger cylinder, and four knives instead of three.

The new No. 7 and No. 9

have the new open cylinder design, self-regulating feed, and are thoroughly up-to-date machines.



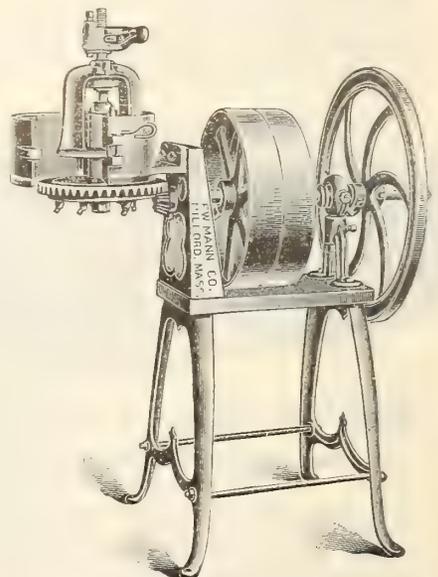
No. 7 1902 Model
Price, \$12.00

GENTLEMEN:—I have used your No. 2 Bone Cutter nearly four years without any outlay for repairs. It is without doubt the best bone cutter on the market.

ELMER RIEDEL,
Easthampton, Mass.

GENTLEMEN:—The hand machine you sent me is very satisfactory. I kill old horses, and am able without difficulty to cut the largest and hardest bones in their bodies by hand power.

Yours respectfully,
F. E. BRIGHAM,
Trumbull, Ohio.



No. 11 1902 Model
Price, \$26.00

Price List

No. 5C, with crank handle	\$6.00
No. 5B, with balance wheel	8.00
No. 5B.M., with balance wheel, mounted on iron stand	10.40
No. 7, (see illustration)	12.00
No. 9, (see illustration)	18.40
No. 11, (see illustration), hand and power	26.00
No. 12, power machine	30.00



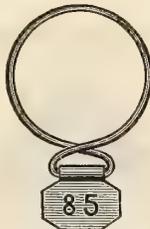
Poultry and Pigeon Leg Bands

Various devices have been brought out to mark fowls. The band around the leg has been found most satisfactory.



Novelty Band

LEG BANDS



Climax Band

Bands are numbered from 1 up, as wanted. In ordering, state what breed they are for, as we have them bantam size, American class, Asiatic and turkeys.

NOVELTY.—Made of white metal, will not rust, are easily applied, and cannot come off by accident. Price, per dozen, 25c.; per 50, 65c.; per 100, \$1.00.

CLIMAX.—Made of spring brass, and so made that the tag acts as a clasp, holding them securely in place. Price, per dozen, 25c.; per 50, 65c.; per 100, \$1.00.

“Pliant” Leg Bands, Copper and Aluminum



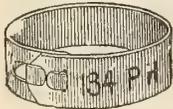
This is one of the best, cheapest and most sensible leg bands ever invented; they are easy to put on and take off. Once on it is almost impossible for them to come off.

These bands are made in both copper and aluminum, in two sizes (3 and 4 inch), to fit any fowl.

- PRICES IN COPPER (either size)
 - 12 for 15 cents. 25 for 30 cents. 50 for 50 cents
- PRICES IN ALUMINUM (either size)
 - 12 for 20 cents. 25 for 35 cents. 50 for 65 cents.

These bands are sent post paid, at above prices. For larger lots write for prices.

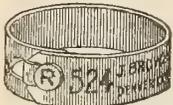
The Smith Double Clinch Leg Band



A very secure band. Made of the same metal as the Sealed bands and fasten with two clinches passing through the band and turning toward each other.

PRICE—25c. per doz.; per 50, 60c.; per 100, \$1.00.

The Smith Sealed Leg Band



makes positive identification of the banded bird possible. When sealed on, and the band number and description duly entered on score card or award card, any child that can read can pick out the bird from that card and band. When a bird wins a prize, or is scored and offered for sale, under score or award card, the only way buyers can be sure they get what the card calls for is to insist on having them wear a Smith's Sealed Band.

PRICE—BANDS

- 10 for 25c. 25 for 50c. 60 for \$1.00.
- 100 for \$1.50.

SEALER, plain, 50c. Sealer, lettered, 75c. Nickered, 25c. extra.

Initials on bands, not exceeding 3, 20c. for 50 or less, 30c. per 100.

Pigeon Bands

If bands are put on when the bird is only five to eight days old, the seamless aluminum bands can be used. We stamp with two letters and the year, and numbered from 1 up if desired. For old birds the open bands of German silver have to be used. These can also be marked with initial and number, as desired, without extra charge.

PRICE—For homers and similar sized breeds, Seamless Aluminum, 35c. per doz.; \$2.50 per 100. For dragoods, rants, and large breeds, Seamless Aluminum, 45c. per doz.; \$3.00 per 100. Open German Silver—for all sizes, 20c. per doz.; \$1.25 per 100.

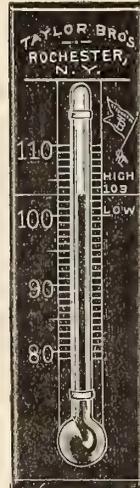
Message Holders

A small aluminum box with lid, to fasten to leg of carrier pigeon. Price, each, 25c.

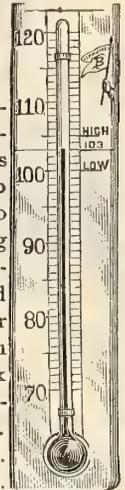
Thermometers

Incubator Thermometers

Our Incubator thermometers are all contracted for two years in advance so as to allow the tubes to ripen, thus insuring their reliability. Absolutely guaranteed accurate. Either white metal with black letters or black face with white letters. Price, 50c. each; by mail, 60c. each. Per dozen, \$5.



Black face, white figure Incubator Thermometers, Price, 50c.



White metal, black figure Incubator Thermometer Price, 50c. each

Japanned Tin Case Thermometers

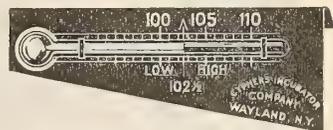
These are a high grade tested thermometer, and can be relied upon for reasonable accuracy.

PRICE—8 inch, 15c. each; \$1.50 per dozen. 10 " 20c. " \$2.00 "

“DISTANCE” Thermometers

have white enameled tin case with very large figures that can be seen at a distance.

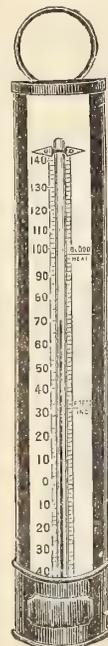
Price, 20c. each; \$2.25 per dozen.



Cyphers Incubator Thermometer

These are made to suspend in the egg chamber, and are the same as furnished with the incubator. Accurate and carefully made.

Price, each, 60c.; \$1.10 for 2; \$3.00 for 6; \$5.00 per dozen.



Tin Case Thermometer

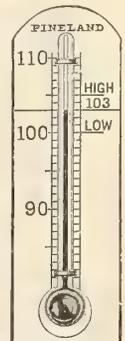
Upright or Pineland Pattern

These are made short to stand upright in the egg chamber. We consider them very good. Price, 50c. each.

“New Short Slant”

(Black face, white letter)

Incubator Thermometers are the very newest style and have advantages over any others. From their position the mercury is very sensitive, and the bulb can be made to touch two eggs, if desired. Price, 60c. each.



Upright or Pineland Pattern

Brooder Thermometers

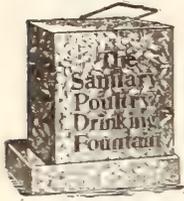
Made to stand upright in brooder or can be suspended.

Price, 35c. each; 3 for \$1.00.



DRINKING FOUNTAINS

THE "SANITARY" FOUNTAIN

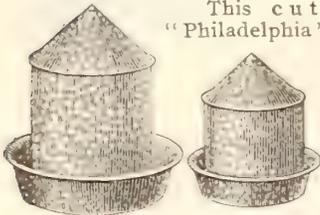


A square galvanized fountain, in two parts. A slight pull on the projecting part of the bottom removes it entirely, and, by using a small whisk broom, both parts are easily and thoroughly cleaned. It is filled instantly. You don't have to wait for the water to gurgle in through a small hole.

It can be hung up out of the dirt on an ordinary nail or hook.

Price { 1-gallon size, 50c. ; \$5.50 per dozen.
2-gallon size, 85c. ; \$9.00 per dozen.

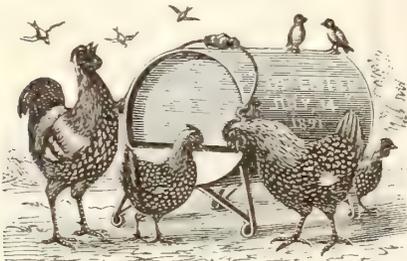
"Philadelphia" Fountains



This cut illustrates our "Philadelphia" Fountains. They are made in two parts, the pan and the cone. They are thus easily cleaned and filled. All thoroughly galvanized.

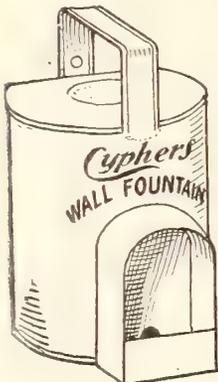
Price { No. 1 (2 quarts), 35c. each ; \$3.50 per dozen.
No. 2 (4 quarts), 50c. each ; 5.00 per dozen.
No. 3 (8 quarts), 75c. each ; 7.00 per dozen.

THE "CLIMAX" FOUNTAIN



The "Climax" is made of best galvanized iron. Keeps the water cool and fresh, and will not break in freezing weather. Has handle, and can be carried like a bucket. Price, 1 gallon, 85c. ; 2 gallons \$1.10 ; 3 gallons, \$1.30.

WALL FOUNTAINS

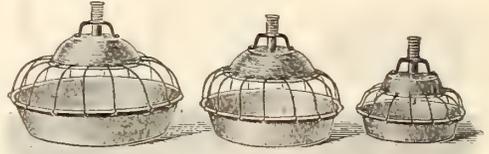


Something new and extra serviceable in the way of a poultry fountain. One side is flattened, so that it may be hung on the wall of the building or a post at any height. A hood projects over the water trough and protects the water from becoming soiled.

The founts are equally serviceable for young chicks or adult fowls, also for pigeons. Made from best galvanized iron, and are first-class in every respect.

Price { 1-gal. size, 50c. each.
2-gal. size, 75c. each.

Hallock Food and Water Holders



Undoubtedly the best device of the kind on the market, adapted for either food or water. Made in two sections, which may be easily separated, so as to clean readily. The wire prevents the birds from soiling or wasting the mash. Made from heavy galvanized iron, in three sizes.

Prices, small (1 gallon), 75c. each ; medium (2 gallons), \$1.00 each ; large (3 gallons), \$1.25 each.

PIGEON DRINKING FOUNTAIN



Pigeon fanciers and breeders raising pigeons in large numbers require a large, strong fountain with ample capacity. We have had this made to our own order. The pan is 15 inches in diameter and 3 inches deep.

Price, each, \$2.50.

PIGEON BATH



Made of heavy galvanized iron like a large inverted hat. The bath is 16 inches in diameter and 5 inches deep, with a rim 6 inches wide, strongly reinforced to keep from sagging. Price, \$2.50.

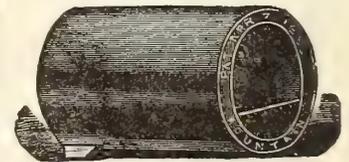
Stoneware Drinking Fountains

The advantage of stoneware fountains is that they keep the water cooler in summer. But they are not suitable to use outdoors in winter, as they sometimes burst from freezing.

We have several styles of stone fountains, two of which we illustrate.



BALTIMORE" FOUNTAIN.



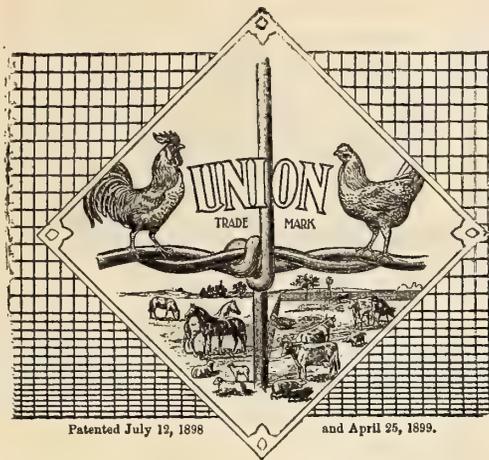
"OHIO" FOUNTAIN.

Price List

	2 quarts, 25c. each ; \$2.50 per dozen	
"Ohio"	4 " 35c. "	3.50 "
	8 " 50c. "	4.50 "
	1 " 25c. "	2.50 "
	2 " 35c. "	3.50 "
"Baltimore"	4 " 50c. "	4.50 "
	6 " 60c. "	5.50 "
	8 " 80c. "	8.00 "



Union Lock Poultry Fencing



This new fencing for poultry yards will supersede the old 2-inch mesh wire fence as soon as its merits become known. In the wider sizes it is no more expensive than the regular 2-inch mesh netting, and the fine mesh at the bottom will appeal to every practical raiser as a great advantage.

The horizontal lines of this fence are all composed of 2 No. 20 galvanized steel wires twisted together.

Beginning at the bottom, the first 7 cables are 1 1/4 inches apart, the next three cables are 1 1/2 inches apart, then six cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1 1/4 x 3 inches at the bottom, where it is needed for small chicks, and above two feet, where fowls can only reach when on the wing, the mesh is 3 x 4 inches.

The pickets are No. 19 galvanized steel wires, and are three inches apart.

Price List

BALES OF 10 RODS (165 FEET)

24 inches wide . . . \$2.80	60 inches wide . . . \$4.80
36 " " . . . 3.45	72 " " . . . 5.40
48 " " . . . 4.15	84 " " . . . 6.15

Lots of 5 bales, 5 per cent discount.

Lots of 10 bales, 10 per cent discount.

In comparing prices with ordinary poultry netting, remember these bales are 15 feet longer.

Extra Heavy

Union Lock Poultry Fence

Made of No. 17 galvanized steel wire throughout, is twice as heavy as our lighter poultry fence, and is intended for orchards, gardens, etc.

The No. 17 two-wire cable has about the same strength as a No. 14 wire, and the numerous cables gives this fence a strength equal to our field and hog fence, making it an ideal fence for both poultry and stock.

The spacing between the cables is the same as in the lighter fence described above, but the pickets are four inches apart. In service this fence is superior to the No. 14 two-inch netting.

List Price

BALES OF 10 RODS (165 FEET)

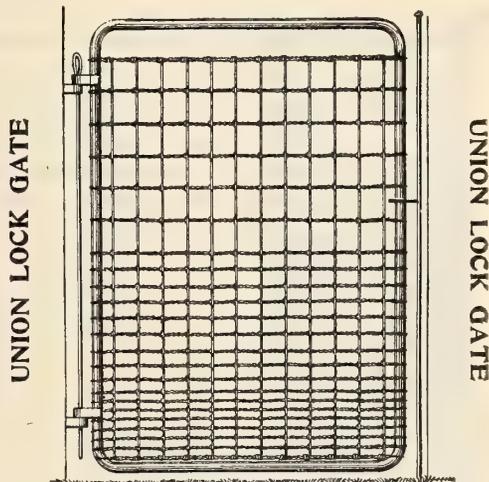
24 inches high, 16 cables, \$4.50	60 inches high, 25 cables, \$7.25
36 " " 19 " 5.25	72 " " 28 " 8.50
48 " " 22 " 6.00	84 " " 31 " 9.00

Union Lock Poultry Yard Gates

The frame of these gates is made of one piece of steel pipe having an outside diameter of 3/4 inch, and is covered with our Extra Heavy or No. 17 Poultry Fence. The hinges and latch are malleable iron. This gate requires a space 4 inches wider between posts than the gate to be used, to allow for hinges and latch.

	Width 36 inches	Width 48 inches
36 inches high	\$2.50	\$3.00
48 " "	2.75	3.25
60 " "	3.00	3.50
72 " "	3.25	3.75
84 " "	3.50	4.00

IN ORDERING GIVE WIDTH AND HEIGHT



Patented July 12, 1898, and April 25, 1899.

Diamond Mesh Poultry Fencing

This is the wire fencing that is almost universally used. It is cheaper than "Union Lock," but is not so desirable. As the price is variable, write us for special quotations when wanted in quantity. Bales are 150 lineal feet.

Prices, 2-inch Mesh, No. 19 Wire

Width	Weight Per Bale	Price	Width	Weight Per Bale	Price
24	21	\$1.55	60	50	\$3.75
36	31	2.50	72	59	4.50
48	40	3.00	84	69	5.25

Prices, 1-inch Mesh, No. 20 Wire

Width	Weight Per Bale	Price	Width	Weight Per Bale	Price
12	19	\$1.70	24	38	\$3.40
18	29	2.55	36	57	5.10



“Vigor” Ground Beef Scrap

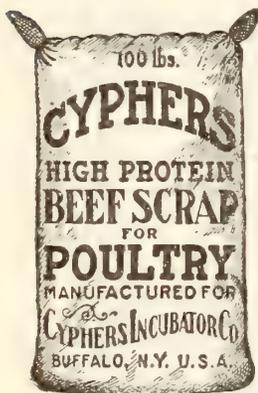
Or Prepared Meat for Poultry



This is prepared with great care, and is shipped by us to all parts of the United States, principally to parties who are engaged in raising poultry and eggs for market. It is the finest thing we know of to cause hens to lay during the winter. Feed three times a week, at the rate of about a handful to every

three birds, in the morning meal of hot food. High prices always prevail at this season of the year, which make it extremely profitable to feed. 10 lbs., 40c.; 50 lbs., \$1.50; 100 lbs., \$2.75; per ton, \$48.00.

High Protein Beef Scrap



A superior grade of meat prepared for the Cyphers Company, and sold very largely to the largest consumers in this country.

It shows 50 to 65 per cent Protein, which places it at a very high grade.

Price

50 lbs. \$1.60
100 " 2.75

Spratt's Patent Prairie Meat Crissel

This is a very fine grade of prepared meat, put up by the celebrated “Spratt's Patent” Company. Some of our customers will have it, though at an advanced price, as the brand “Spratt's Patent” is always a guarantee of superior quality.

Price

50-lb. bag \$1.75
100 lbs. 3.25

Meat and Bone

This is a good, clean, sweet article, and not a refuse from a fertilizer works, as many of such products are. It is meat scrap, bone, and dried blood, cooked under steam pressure, and then dried and ground. It makes an excellent poultry food.

Price

10 lbs. \$0.40
50 lbs. 1.50
100 lbs. 2.50

J. & S. “Vigor” Egg Food



This is a great egg and vigor-producing food. It is our own brand, and we know whereof we speak when we give it our highest praise and guarantee. It is to be fed as a mash, dry and crumbly. Feed morning and night, and if the fowls are kept in an enclosure, scatter our “Vigor” Scratch

Food in the litter at noon, to induce exercise in scratching for it. This food will keep them in good laying condition, as it gives them the necessary stimulus without producing fat. It is a *complete food*. Nothing else need be given them but grit and occasional green cut bone. It will also help the fertility during the cold months.

Price, 50 lbs., \$1.50; 100 lbs., \$2.25.

Bowker's Animal Meal



The richest part of the egg is the albumen. The laying hen and growing chicks should be fed upon food rich in albumen and easily

digested. “Animal Meal” contains a large amount of albumen, as well as material for the shell.

It is a well-balanced animal food, and contains less than 5 per cent water, while scraps contain 20 to 30, and fresh meat 75 to 80 per cent. It will therefore go farther, and, being thoroughly cooked, is more easily digested.

Price, per 5-lb. carton, 20c.; 25 lbs., 75c.; 50 lbs., \$1.35; 100 lbs., \$2.50. Special prices by the ton.

Ground Dried Blood

Two Ounces of Ground Dried Blood Represent One Quart of Raw Blood

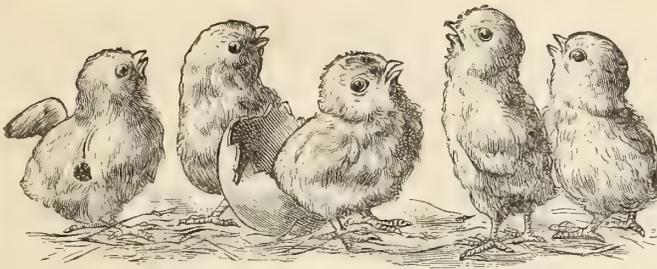
BLOOD MEAL is greatly relished by fowls, and an increase in the number of eggs is quickly noticed when it is fed. Poultrymen must feed more or less meat scraps in winter to make hens lay; this is generally acknowledged. BLOOD MEAL is merely a meat in a highly concentrated form, rich in albuminoids and ash, both of which enter largely into the composition of the egg.

As to the advantages gained by feeding BLOOD MEAL to young chicks, ducks, and turkeys, we can say that there is positively nothing better for them. Those raising chicks hatched in incubators tell us that the loss from weakness, or “breaking down,” as they term it, is enormous. If BLOOD MEAL is mixed with their ration of feed at the rate of one part of blood to twenty of meal or shorts, no chick will die from the cause mentioned.

Price, 5 lbs., 25c.; 50 lbs., \$2.00; per 100 lbs., \$3.50.



CHICK FOODS



SINGING CHICK MANNA'S PRAISES

after that three times a day will do. Never feed what they will eat without moving out of their tracks; you must make them scratch for what they eat, and keep them hungry enough so that they will enjoy their feed. Give them water only after feeding them.

F. P. C. CHICK MANNA

A Health Food for Little Chicks

Chick Manna is a health food for little chicks, and with it you can raise every chick hatched. It promotes **Health, Quick Growth, and Strong Development.** Especially valuable for raising chicks in winter and early spring. **Chick Manna** should be the first food, and exclusively fed for ten days or more, after which time other food may be given, but should contain a portion of Manna for at least a few days longer. In feeding **Chick Manna** to chicks that have been fed on other feed, let **Chick Manna** be a part only of the feed for the first day.

Price of Chick Manna, 1-lb. package, 10c.; by mail, 25c.; 48 lbs. to case. 5-lb. package, 40c.; 10 packages to case. 15-lb. package, \$1.10; 5 packages to case; 60-lb. case (bulk), \$4.20.

CYPHERS CHICK FOOD

A Complete Food for Young Chicks

Cyphers Chick Food is a mixture of eleven (11) different grains and seeds, proportioned so as to meet all the needs of growing chicks, and to fully nourish them. By the term "fully nourished" we mean a great deal. Chick foods, as a rule, contain too much fat-forming, and not enough bone-forming elements; and, in consequence, the chick develops indigestion and diarrhoea—which ultimately means no digestion at all—and quickly starves to death. Or, if partially nourished, leg weakness develops, and the chick drags out a miserable existence for a greater or lesser length of time. If you feed **Cyphers Chick Food**, you are relieved of all concern, as the food is a complete and properly-balanced food, ready for use.

In compounding **Cyphers Chick Food**, the protein, or flesh-and-muscle-forming element, is maintained higher, the carbohydrate, or fat-forming element, is reduced to its proper proportion, and the ash, or mineral elements are in sufficient amount to supply the needs of the rapidly-growing bird. If chicks are to be developed into breeders, no other food is required for the first eight weeks.

For the first three or four days spread the food on a board or bare floor four or five times a day. As soon as the chick begins to eat rapidly and scratch for food, scatter it in chaff or cut hay several times each day in sufficient amount to keep the chicks continually working. It should not be fed in any other manner. A dish of fresh water is kept before them at all times. About the fifth week a dish of High Protein Beef Scrap is put before them, and is replenished as fast as eaten. Continue feeding chick food until the eighth or ninth week. The chickens are then placed in colony houses on grass runs, and given a dish of cracked corn and one of beef scrap. Before the chickens are let out in the morning, a mash composed of Cyphers Forcing Food is fed. This is the only food they get through the day, except the cracked corn and beef scrap. A dish of fresh water is kept before them. On the above ration they make a quick, strong growth and mature early.

For broilers or roasters, the chick food and beef scrap are supplemented by adding Cyphers Forcing Food to the diet after the third or fourth week.

Put up only in sealed bags, bearing manufacturer's trade mark.

Price, 50-lb. bag, \$1.50; 100-lb. bag, \$2.50; 500-lb. lot, \$12.00.

"Vigor" Chick Food

This is our own brand of food for chicks, and is a carefully-prepared mixture of sound grains and seeds, with a little grit to give just such food as they would pick up on a large farm during the spring and summer months. It will give the chicks quick growth and keep them in good health. It contains all the meat and bone that is required, and anything extra that you give in this line will cause trouble. Always to be fed dry; never wet it.

Price, per lb., 8c.; 10 lbs., 50c.; 50 lbs., \$1.75; 100 lbs., \$3.00.





CLOVER PRODUCTS

The value of clover as a portion of the regular diet of fowls can hardly be overestimated. Its value has long been recognized by poultrymen, as it furnishes protein, lime, and other material salts in an easily-digested form. Fowls relish it greatly in either dry or green form.

Clover is the best green food for winter use, as there is no waste, as in vegetables, and it is in a form to be fed with a very small amount of labor.

Feeding clover will insure a large percentage of fertile eggs and strong germs. It will do much to keep laying fowls and breeding stock in good health and vigor, adds luster to the plumage, and thus assists in putting choice birds in exhibition condition.

These clover products are put up in strong 50 and 100-lb. sealed bags, bearing the Cyphers registered trade mark, and labeled to comply with the various State food laws.

Short-Cut Clover Hay

This is Clover Hay cut into short lengths, and free from waste in the form of long stalks, weeds, etc. Fed either in a mash or scalded and fed in a trough by itself.

Put up in 50 and 100 pounds.

PRICE

50-lb. bag	.....	\$1.10
100-lb. bag	.....	2.00
500 lbs.	.....	8.75



Shredded Clover

This article is finer cut than Short-Cut Clover and not so fine as Mealed Clover. For use in the daily mash.

Put up in 50 and 100-lb. sealed bags. Directions for feeding in each bag.

PRICE

50-lb. bag	.....	\$1.10
100-lb. bag	.....	2.00
500 lbs.	.....	8.75



Mealed Clover

Mealed Clover is Shredded Clover reduced to a meal. It contains the entire product—stalks, leaves, and blossoms. Best form for use in mash food for chicks, the meal being ground sufficiently coarse to give bulk to the mash, thus making it easily digested.

Put up in 50 and 100-lb. sealed bags. Directions for feeding in each bag.

PRICE

50-lb. bag	.....	\$1.10
100-lb. bag	.....	2.00
500 lbs.	.....	9.00





Cyphers Laying Food

Cyphers Laying Food is the result of much study to produce a balanced ration, and is a highly nutritious and palatable food. It is a blending of several different food materials in such proportions as to best furnish the elements necessary to fully nourish the body and promote egg production. It is to be mixed with warm water, and daily—night or morning—is eaten by the fowls with relish.

A feed of mixed hard grains, such as **Cyphers Scratching Food**, should be scattered in litter on the floor of the pen to promote exercise, and a dish of cracked oyster shells and grit should be kept in the pens. This food induces the production of eggs, and will nourish and develop the embryos into strong, robust chicks.

Cyphers Laying Food is the best and only successfully-balanced ration from which to make the morning mash, whether for chickens, pullets, hens, cockerels, capons, ducks, turkeys, or geese. It is made from the best-selected grains, and contains no oat hulls or gluten meal, which analysis shows to be the base of three-quarters of the prepared poultry foods on the market. The manufacturers of this food make no cereal foods, and consequently have no bi-products, as is the case with most manufacturers who offer poultry foods. It is especially valuable as a food for breeding ducks.

This food is put up in sealed bags bearing manufacturer's trade mark.
Price, 50 pounds, \$1.15; 100 pounds, \$2.00.



Cyphers Forcing Food

Where very rapid growth is required, as in growing broilers or roasters, a highly-concentrated food can be fed, and for this work we offer **Cyphers Forcing Food**. This should be fed according to the results desired. That is, if a broiler is required, the chick should be fed up to the limit, so as to make the growth in the shortest possible time. If a roaster is wanted, it should not be forced so rapidly, as it has longer to live, its digestive organs have more work to do, and, therefore, they should not be taxed to the uttermost in the earlier stages. Price, 50 pounds, \$1.25; 100 pounds, \$2.25.

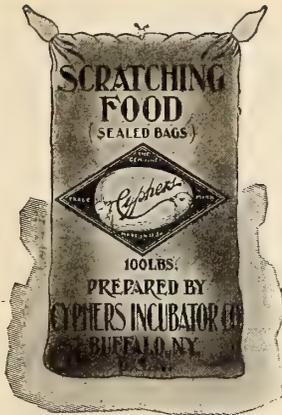
Cyphers Scratching Food

In combining grains to be used as an exercise food and to be scattered in the pens to make the hens work for what they get, it will not do to make up a random assortment of any available material.

As the **Scratching Food** is not supposed to be scattered before half-famished birds that will gladly eat most anything, it must be composed of material that will be considered with special favor by the hens, something, in fact, that their system craves. There must be a strong inducement for a well-fed hen to work for every morsel of this food, and at the same time it must be composed of such material as will not defeat the purposes of the balanced foods they get in their regular ration. In this **Scratching Food** we have exactly filled these requirements. A little of this food scattered in the litter will quickly start the dust flying, which means healthy fowls, full of vigor and vitality, and a full egg basket of hatchable eggs.

Put up in sealed bags bearing manufacturer's trade mark.

Price, 50 pounds, \$1.10; 100 pounds, \$2.00.



Midland Poultry Foods

Are composed of the very best material obtainable, and as carefully and accurately mixed as it is possible to make them. They are a *complete food*, and will produce specific results, each for its purpose, and no other.

MIDLAND BRANDS.

No. 1—Nursery Chick Food.

No. 4—Egg and Feather Producing Food.

No. 6—Duckling Food.

Price per original sack (about 2 bushels), \$2.00;
5-sack lots at \$1.85 per sack.

MIDLAND GRENADIER MEAL

A Forcing Food for Broilers

The advantage of a cramming machine over the trough for fattening a chicken is that the bird can digest and assimilate much more feed than it will consume if left to its own inclinations. It is vitally essential that the food furnished in this way be scientifically prepared for this specific purpose, and the **Midland Grenadier Meal** is guaranteed to be just what is needed, and, if fed as directed, will open the eyes of those unaccustomed to this work.

Price, 5c. a pound; per 25 pounds, 90c.; per 50 pounds, \$1.75; per 100 pounds, \$3.00.



CURES FOR ROUP

Roup is a disease of the air passages produced by colds. There is a discharge from the nose and eyes which becomes thick and offensive. It is very contagious in this stage, and the bird should be separated from the rest of the flock at once. If the head is swollen or eyes closed, rub them with a mixture composed of one tablespoonful each of melted vaseline and Johnson's Anodyne Liniment (see this page). Then use any of the following preparations, carefully following directions on the package.

Cyphers Roup Cure



A positive guaranteed remedy for the cure and prevention of this dreaded disease. Also prevents colds and is unequalled for canker, especially in pigeons.

Roup is one of the most common and most deadly diseases affecting poultry. All poultrymen should take great precaution against it. Roup is a contagious catarrhal disease, and usually follows simply neglected colds.

Symptoms: Froth and bubbles in the corners of the eyes, sneezing, and a foul-

smelling watery discharge from nostrils, followed by swelling of the head.

Taken in time, this disease may be conquered with a good remedy; hence, all should have a supply of **Cyphers Roup Cure** on hand. One 50c. package makes 25 gallons of medicine. One \$1.00 package makes 75 gallons of medicine. Directions on each package.

PRICE—Small size \$0.50 postpaid.
Large " 1.00 "

HAVENS' ROUP PILLS

For the Cure of
Roup, Catarrh, Cold and Distemper



It was formerly the habit of fanciers, farmers and others, whenever roup appeared in a flock, to kill the fowls affected and remove them immediately, to prevent the spread of the disease. The practice is, happily, no longer necessary since the introduction of **Havens' Roup Pills**.

Price, per box, 25c.; by mail, 28c.; per doz., by express, \$2.50. Box of 250 pills, \$1.

They entirely cured my fowls of Roup.—ABRAM WOLFE, Lebanon, N. J.

Havens' Roup Pills are simply wonderful.—C. TRUEX, harness dealer, Freehold, N. J.

I found them a perfect success in Roup.—PETER H. QUACKENBUSH, Manalapan, N. J.

CONKEY'S ROUP CURE

Conkey's Roup Cure will positively cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds and is unequalled for canker, especially in pigeons.

One 50c. package makes 25 gallons of medicine; \$1 packages make 75 gallons of medicine.

So it is the best and cheapest cure of its kind in the market.

JOHNSON'S ANODYNE LINIMENT

for the cure of **Internal** and **External Inflammation**. An old and universal household remedy for colds, coughs, cramps, cholera, rheumatism, dysentery, burns, wounds, sprains, and bruises. Also valuable in the **Poultry Yard** for roup, cholera, and wounds. Price, per bottle, 25c. and 50c.

F. P. C. "Multum in Parvo" Poultry Powder

A Purely Medical Preparation for Cholera, Roup, etc.

Multum in Parvo is a cure for cholera. A customer writes: "I find it an excellent remedy; it is the only medicine I have ever found that will cure what we call turkey cholera." It is also a valuable remedy for roup disease in its various forms. However, we recommend the use of the **Roup Preparation** in connection with **Multum in Parvo** when the rattling in the throat is noticed; also for sore and cankered mouth. Poultry keepers do well to have these two preparations constantly on hand to meet cholera and roup. Much is gained in meeting disease promptly. 1/2-lb. package, 20c.; by mail, 28c.; 1-lb. package, 35c.; by mail, 50c.



Lambert's "Death to Lice"



In any well-conducted poultry establishment **Lice** have to be fought all the time.

Lambert's preparations for this purpose are standard, reliable goods, well-known and largely used by the best poultrymen the country over.

For sitting hens it has no equal, keeping them clean, sweet and comfortable, without injury to the hen, eggs, or chickens, should they hatch in it. No trouble to apply; no detriment to the person handling it. Also invaluable for lice on HORSES, CATTLE, SWINE, or plants, fleas on DOGS, ticks on SHEEP, moths under carpets or in furs. Always harmless to animals when used according to directions. It acts as a disinfectant and purifier, warding off distemper and contagious diseases. A liberal use of this powder should answer for all ordinary purposes. It can be mixed with sawdust as a litter for chicken coops or nest boxes. It can be sprinkled on the dropping boards under the roosts after cleaning. It can be used on show birds in their pens with good effect. Laying fowls or large chicks can be dusted at night; they will be clean in the morning. Sitting hens well dusted twice during

incubation will never leave their nests on account of lice, and it is perfectly safe to use. If your hens are near your stable, sprinkle the horse-brush before using with **Death to Lice**, and your horses will be safe.

We are general agents for D. J. Lambert's Preparations for Lice, and can give you dealers' discount in case lots.

PRICES

5-oz. box (trial size)	\$0.10	48-oz. package (farmers' size)	\$0.50
Postpaid . . . . .	.15	Postpaid	1.00
15-oz. box (regular size) . . . . .	.25	100-oz. package (poultrymen's size)	1.00
Postpaid . . . . .	.40	Express paid	2.00

Lambert's "Death to Lice" Ointment

For Head Lice on Little Chicks. Harmless and efficient. 1-oz. size, 10c.; 3-oz., 25c.

Lambert's "Death to Lice" Special

Dissolve the "Special" in kerosene, and you have an efficient Liquid Lice Paint. 4-oz. size, 10c.; 16-oz. size, 25c., or postpaid, 40c.

Cyphers Lice Powder



Is carefully compounded, and contains no carbolic acid or other chemicals which will injure the fertility of the eggs. It is clean to handle, easy to apply, sure in effect, and can be used in the nests of sitting hens without fear of injuring young chickens. For lice on cattle and horses, ticks on sheep, and fleas on dogs, **Cyphers Lice Powder**

is a most effective remedy. It can also be used on plants and bushes as a protection against bugs and lice. As an insecticide it is without a peer.

PRICES

5-oz. package, trial size . \$0.10	48-oz. box \$0.50
Postpaid15	Postpaid 1.00
15-oz. box25	100-oz. package 1.00
Postpaid40	Express paid 2.00

TRADE VERO MARK

RELIABLE INSECT POWDER

For the Destruction of Chicken Lice, etc.

One of the Most Effective Remedies to Relieve Chickens, Pigeons, and Canary Birds from Lice, Dogs and Cats from Fleas

Places infested with roaches, ants, moth, silverfish and bedbugs can be cleansed by placing the powder in crevices, holes, and other places infested.

1/4-lb. can, 16c.; by mail, 25c.

1/2-lb. can, 30c.; by mail, 40c.

PURE PERSIAN INSECT POWDER

We import an absolutely unadulterated article, and it can be relied upon to kill the insect pests of all kinds.

Price, 1/4 lb., 15c.; by mail, 20c.; 1 lb., 40c.; by mail, 58c.



GRIT! GRIT!! GRIT!!!

BIRDS NEED GRIT!

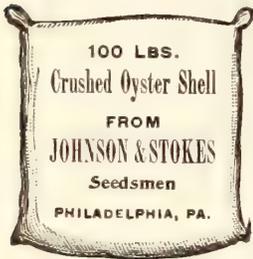
It is well known that the feathered tribe have no teeth and that the food is masticated in the gizzard; but the gizzard itself is a feeble agent, and cannot perform its functions without the aid of some substance that is hard and sharp. Nature, therefore, prompts the hens to pick up and swallow gravel, glass, small shells, and other substances; but it may be noticed that they prefer such as are sharp and irregular.

Round bits of gravel do not serve the purpose, though better than nothing, and the gizzard is not injured, no matter if the sharpest and keenest glass be swallowed. The food and hard substances are kept in constant motion while in the gizzard, and the entire contents are ground into an impalpable powder and passed into the stomach.

Common sense, therefore, teaches us, and all authorities on poultry unite in the statement, that something of this kind is absolutely essential to the good health and egg producing qualities of the fowl.

In summer, when the birds have farm range, they can look out for themselves in this respect; but where they have to be confined, or in winter when everything is frozen up tight or covered with snow, this necessary grit must be supplied to them freely or they will languish for its want.

CRUSHED OYSTER SHELL



This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. It is also advisable to keep it before them during the entire year, as experience has proven

they will eat it in the middle of summer. Our shell is made entirely of OYSTER SHELL, NOT CLAM, as much is that is offered, and is thoroughly screened from all dust and dirt.

It is now offered so cheap that it does not pay to try and grind or break up your own shell. We have it fine for young chicks and for mashes, and coarser for regular use.

PRICE

Put up in 5 lb. fancy lithograph cartons, each, 15c. Per case of 20 cartons, 100 lbs. in all, \$1.50. In bulk, 25 lbs., 30c.; 50 lbs., 50c.; 100 lb. bag, 65c.; 500 lbs., \$2.50.

Special prices by the ton or carload.

GROUND CHARCOAL

A little ground charcoal, mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls, and keeps them healthy.

Price, 1 lb., 8c.; 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.25; 100 lbs., \$4.

SOFT SEA SHELLS

LARGELY USED ON DUCK RANCHES



These are selected shells, and are used by duck and poultry raisers extensively, especially for ducks.

No grinding, no pounding, no trouble, but all ready to feed.

Egg shells formed by feeding *Sea Shells* prove far superior to other eggs for hatching, by actual results.

Some poultrymen state their value double to other shells; where this is doubted, one fair trial has convinced all of the truth of the statement.

The shells are best when damp (because they contain chloride of sodium in just the necessary quantity) and are so shipped.

Price, 5 lbs., 20c.; 25 lbs., 50c.; per bushel, 75c.; 2 bushel sack, \$1.35; per barrel, \$2.

GRANULATED BONE



is about the size of wheat, and can be fed like any other food in grain, about one handful for every five fowls daily, or every other day. In either manner it furnishes a valuable food for poultry at all seasons

of the year. Price, 5 lbs., 25c.; 10 lbs., 40c.; 50 lbs., \$1.50; 100 lbs., \$2.50.



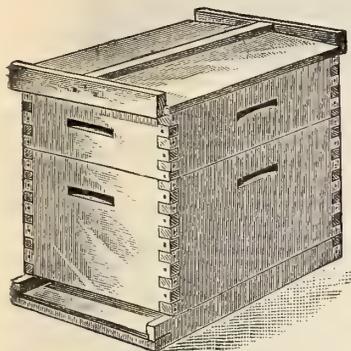
BEE KEEPERS'



BEE SUPPLIES

The growing demand for bee keeper's supplies has caused us to put in a full line of articles wanted in the apiary, and can get, at short notice, anything not found listed here

The Dovetailed Hive



The **Dovetailed Hive** is taking the lead of the single-walled hives, as it contains many of the most desirable features of the various hives for rapid handling of bees, and is one of the cheapest hives manufactured.

It is dovetailed together,

as shown in cut, and that is what gives it its name.

Price List of Hives

No. 1 Dovetailed Hive, eight frame, complete, a one-and-a-half-story hive for comb honey, includes a body with eight improved Hoffman thick-top frames and plain division board, one super, with a follower and wedge, six section holders, with separators, section, and starters. Each, set up, \$2.85. In the flat, each, \$2.15; five hives, \$9.75; 10 hives, \$18.00.

No. 2 Ten Frame Hive is the same as No 1, except that it has ten frames instead of eight.

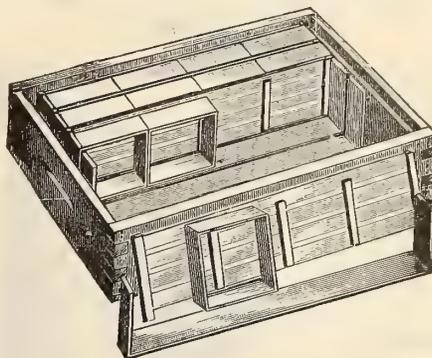
Price, set up, each, \$3.00; in flat, each, \$2.30; lots of 5 in flat, \$10.50; lots of 10, \$19.50.

No. 5 Dovetailed Hive, eight frames, complete, is a two-story hive for extracting; includes two bodies, with sixteen thick-top Hoffman frames and two division boards. Each, set up, \$3.00; in the flat, each, \$2.30; 5 hives, \$10.50; 10 hives, 19.50.

No. 6 is the same as No. 1, except that it has four D cases, with twenty-four sections and starters for same (no separators) instead of section holders. Each, set up, \$3.00.

Dovetailed Chaff Hive

Dovetailed Chaff Hive is a one-and-a-half story, double-walled, eight-frame hive for wintering bees. It has a space of two inches between the walls, with a tray, of five inches deep, for packing chaff, and a seven-inch-deep telescope cover, which prevents the rain from beating in. It also has a double bottom. It will take the same super and upper story that are used on a regular dovetailed hive. Each, set up, \$4.00; \$3.00 in flat.



Dovetailed Super With Plain Section and Fence

Each, complete 95c., nailed.
" " 70c. in flat.

Section Boxes

Our No. 1 sections are made up of the choicest white basswood, and are all perfect in finish and free from defects.

Price, per 25 \$0.30
" 10075
" 1000 5.00

Write for special price on large quantities.

No. 2 Section Boxes, made of basswood, but not finished as perfectly as the No. 1.

Price, per 100 \$0.65
" 1000 4.50

Hoffman Frames

The Hoffman thick-top, self-spacing frames have been the leader for years, as they are self-spacing, and with them bees can be handled very rapidly.

Price, per 25, put up \$1.50
" 100 " 4.00
" 25, in flat 1.00
" 100 " 2.75

Simplicity Frames

Lighter in weight than the Hoffman, and used where care can be exercised in handling.

Price, put up, per 25 \$1.00
" " " 100 3.00
" in the flat " 100 2.00

Price List of Hive Parts

Empty Body each, \$0.50
Bottom Board " 35
Cover " 45
Plain Division Board, 10c. in flat; set up, " 15
Section Holders per 25, 75
" " " 100, 2.00
Fences " 25, 60
" " " 100, 1.75
Zinc Honey Boards each, .25



Comb Foundation



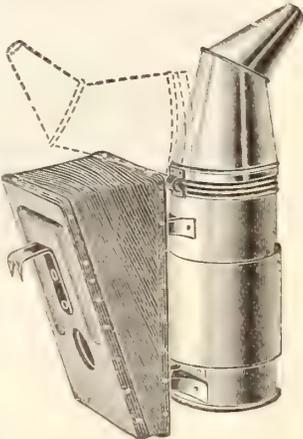
All our Comb Foundation is the New Weed Process, made from pure bright yellow beeswax. It is beyond a doubt tougher, more easily worked by the bees and more transparent than any foundation ever before made.

Price, Medium Broad, 58c. per lb.
 " Light Surplus, 65c. "
 " Thin " 70c. "

Smokers

The Corneil Smoker is just the thing for those who want a first class, reliable smoker at a medium price. It is of good capacity, 3 1/4 inch barrel, strongly made and well finished.

Price 85c.



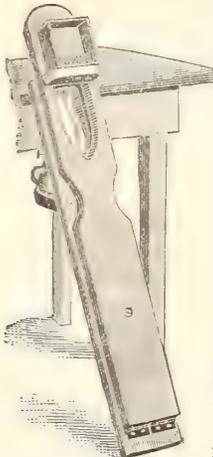
Crane Smoker

This is made on the same general line as the Corneil. The size of the cup is 3 1/4 inches, has curved nozzle hinged so as to swing back for replenishing. It has the strongest blast of any smoker in the market. Price, \$1.25

Clark's Cold Blast Smoker

The Clark Cold Blast Smoker is cheap in price. It is a breech loader, therefore easily replenished by simply revolving the sliding door. Price, 55c.

Foundation Fasteners



The Daisy Foundation Fastener is for putting starters into sections. Nothing could be more simple or easily operated.

PRICE
 Daisy, with Lamp . . \$1.25
 Parker30

Manum's Swarm Catcher

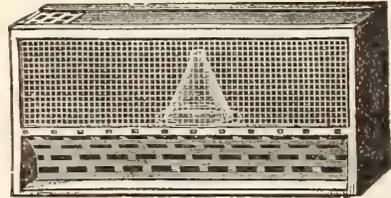
We have tested and examined many swarm catchers, but have never found anything that would begin to compare with the Manum. It is simply a wire cloth basket with a lid to close it. To have a swarm whose queen is at large with the bees, open the basket, push it up around the cluster of bees, jar the latter off the limb, and close the lid. This device will reach a swarm twenty feet from the ground. It is light and easily handled.

Price, \$1 each, without pole.
 Complete with pole, \$1.25.

Porter Bee Escape

One of the most essential things in the apiary is a bee escape, as it aids the apiarist in removing his honey crop. We recommend the Porter Escape as one of the best made, and no well regulated apiary can afford to be without it. Full directions for use. Price, 25c. each; with board, 35c.

Alley's Queen and Drone Trap



This will automatically catch and cage the drones in an apartment by themselves. The trap will also catch the queen when the swarm issues, and hold her confined until the apiarist can give her his attention. The bees will cluster about the queen, and may then be hived.

Price, 50c.; by mail, 75c.

Bee Entrance Guards

These are to admit workers, but exclude drones. After the drones are all out, fix the guard over the entrance, and at night the drones can be destroyed.

Price, Tinker Zinc, 13c. each; 1.00. for 10
 " Root " 10c. " Soc. " 10

Veils to Protect the Face



Our veils each contain 1 1/4 yards of the best material for the purpose. They are well made with rubber cords in the top to fit around the hat, and lower edge is bound to prevent fraying.

Price List of Veils and Hats

No. 1, Made entirely of Silk Tulle 80c.
 No. 2, Cotton Tulle, with Silk Face 50c.
 No. 3, " " throughout 40c.
 Bee Hats, flexible rim, fit any head, 30c.

Rubber Gloves

We sell large quantities of these for handling bees. We can furnish a good article well worth the money.

Price List of Rubber Gloves

Ladies' Size, Nos. 6, 7, 8 and 9 \$1.35
 Men's " " 10, 11 and 12 1.45

Cogshall Bee Brush

This is a whisk broom specially made for brushing bees from combs by being made much thinner and longer. With it the bees can be removed from combs very gently.

Price, 20c. each; by mail, 25c.



TENTS

For Setting Over a Hive

These are for the purpose of enabling us to go on with such work as introducing queens, transferring, etc., when robbers get so troublesome that we could not go on with work otherwise. Dimensions of tent, 5 ft. long, 5 ft. wide and 5 ft. high. Price, \$1.50.

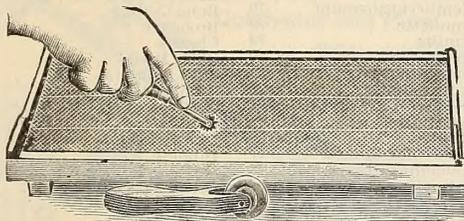
HONEY KNIVES

These knives are used for uncapping, scraping propolis off bottom boards, covers, etc.; for transferring and cutting chunk honey generally.

Price List of Knives

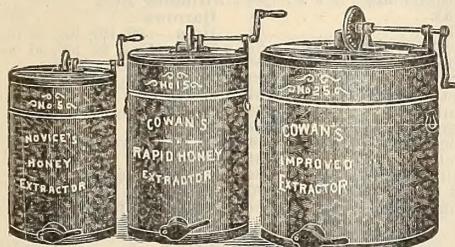
Novice	each, 75c.
Bingham	" 70c.
Quimby	" 90c.
Muty	" 50c.

SPUR WIRE IMBEDDER



This is a little tool like a tracing wheel, with teeth set in such a way as to straddle the wire while it is in the act of imbedding. Price, 15c. each.

HONEY EXTRACTORS



SHOWING THE RELATIVE SIZES

The above cut will show the relative sizes of Honey Extractors. These are excellent machines when rapid work is required. They are strong and well made.

Price List of Extractors

No. 5, Novice, for L Frames or Simplicity. Weight, 45 lbs.	\$8.50
No. 15, Two Frame Cowan, for L Frames. Weight, 70 lbs.	11.50
No. 25, Four Frame Cowan, for L Frames. 28 in. in diameter. Weight, 150 lbs.	23.00

FEEDERS

Bees are fed for two purposes—to stimulate brood rearing or to supply them with the necessary stores for winter.

Price List of Feeders

Simplicity Feeder	each, 8c.; 10 for \$0.65
Gray's Cover Feeder	" 15c.; " 1.40
Boardman Feeder	" 25c.; " 2.25
Miller's Feeder	" 35c.; " 3.00

CAGES FOR QUEENS

For the Purpose of Mailing Queens to all Parts of the Country

PRICE LIST OF QUEEN CAGES

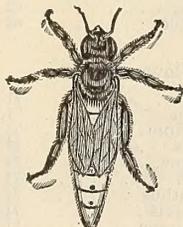
Benton Cage	each, 5c.; 10 for \$0.40
Export Benton, complete	" 25c.; " 2.00
Miller's Introducing Cage	" 10c.; " .80
West's Spiral Cage	" 10c.; " .80
West's Cell Protector	" 5c.; " .50

TINNED WIRE

We sell No. 30 Tinned Wire, which is the most suitable for wiring frames.

Price List of Tinned Wire

3/4 oz. Spools	each, 3c.; doz., \$0.30
1/4 lb. "	" 12c.; " 1.20
1/2 oz. "	" 20c.; " 2.25
1 " "	" 30c.; " 3.30



BEEES QUEEN BEEES

We have imported this past season some of the finest colonies of Golden Italian Bees ever brought to this country, and insure a pure strain by having secured control of all the bees within flying distance of our apiary. We find, after giving the subject careful study, that the best strains of bees for gathering honey are the Imported Italians. We have also secured some of the best Five Banded Italians we could secure, bred in this country, and we cross these directly with the imported mother, making our queens beautiful golden to the tip, and her bees the best honey gatherers in the world. They enter the sections readily, are quiet and not inclined to swarm. We offer them at the following prices, which are very low, considering the quality of bees we produce:

PRICES OF BEEES

Full Colony of Bees with Queen	\$10.00
Mated Queens	1.00
Selected Untested Queens	1.25
Tested Queen	1.50
Select Tested Queen	2.50
Fine Breeding Queen	5.00

NOTE.—The price of Colony does not include the hive, which will be additional, and prices will be found on page 39.

The A B C of Bee Culture

Fifty-second thousand now out. A cyclopaedia of everything pertaining to the care of the honey bee. By A. I. Root. This is a cyclopaedia of over 400 pages, and is beautifully illustrated by 300 original engravings, many of them full page. Some of the latter embrace a view of the apiaries of the largest and most successful bee men. The whole work is elegantly bound in cloth, 7 inches wide by 10 1/2 inches long, and embossed on side and back in gilt. Price, \$1.25.

Vegetable Seeds with Novelties and Specialties	PAGES 2 to 55
Vegetable Seed Collections	55
Vegetable Plants	51
Farm Seeds, Field Corn, Grain, etc.,	56 to 62
Fodder Plants, Millets, etc.,	62 to 64
Grass and Clover Seeds	65 and 66

INDEX

Lawn Grass Seeds and Mixtures	PAGES 64
Flower Seed Novelties	67 to 70
Flower Seeds—General List	71 to 84
Flower Seed Bargain Collection	55
Plants of Flowers, Fruits, etc.	86 and 89
How to Order and Liberal Premiums	1
Books and Leaflet Essays	14
Poultry and Bee Supplies, Imple- ments, etc.	90 to 123

<p>Vegetable Seeds.</p> <p>ARTICHOKE 15 " Roots 63 Asparagus 2, 15 " Roots 15 Beans, Bush, Green- Podded 16 Beans, Bush, Wax-Pod- ded 2, 16 Beans, Bush Varieties for Shelling 17 Beans, Limas 17, 18 " Pole 17 Beets, Garden 3, 19 " Sugar 20 " Mangel Wurzel 20 Borecole. See Kale 20 Broccoli 25 Brussels Sprouts 25 Cabbage, 4, 5, 21, 22, 23, 24 Carrots 26 Cauliflower 25 Celery 7, 27, 28 Chervil 54 Chicory 25 Chives 25 Collards 25 Corn Salad 29 " Sweet 6, 28 " Field 56, 57, 58, 59 " Pop 29 Cress 29 Cucumber 29 Dandelion 30 Egg-Plant 7, 30 Endive 30 Garlic 30 Gourds 30, 77 Herbs 54 Horse Radish 30 Kale or Borecole 30 Kohl-Rabi 31 Leek 31 Lettuce 32, 33 Marjoram, Sweet 54 Martynia 37 Melons, Musk 8, 34, 35 " Water 8, 35, 36, 37 Mushrooms 37 Mustard 37 Nasturtium 37 Okra or Gombo 37 Onion, Pedigree Seed 9, 38 " American, 38, 39, 40, 41 " Foreign 41 " Sets 41 Parsley 44 Parsnip 44 Peanut 44 Peas, Early 42 " Main Crop 43 Peppers 10, 44 Potatoes, White 45 " Sweet 46 Pumpkins 46, 47 Radish 10, 48, 49, 50 Rhubarb 50 " Roots 50 Ruta Bagas, or Swedes 54 Sage 54 Salsify, or Vegetable Oys- ter 50 Sorrel 54 Spinach 50 Squashes 51 Thyme 54 Tobacco 59 Tomato 11, 12, 13, 52, 53 " Sparks' Earliana, 12, 13 Turnips and Ruta Bagas 54</p> <p>Lawn Grass Seed 66</p> <p>Permanent Pasture Grass Mixtures 65</p> <p>Farm Seeds.</p> <p>Australian Salt Bush 64 Artichoke Roots 63 Barley 59</p>	<p>Farm Seeds—Con.</p> <p>BEANS, FIELD 61 Broom Corn 63 Buckwheat 59 Chufas 63 Clovers 65 Corn, Field 56, 57, 58, 59 " Kaffir 62 Fruit Tree Seeds 59 Ginseng 64 Grasses 65, 66 Millets 64 Millo Maize 62 Oats 60 Osage Orange 59 Peas, Cow and Field 61 Rape, Dwarf Essex 62 Speltz or Emmer 59 Spring Rye 59 Spring Wheat 59 Sugar Cane 62 Sunflower 63 Teosinte 62 Tobacco 59 Vetches 62 Wild Rice 63</p> <p>Flower Seeds.</p> <p>ABRONIA 71 Abutilon 71 Acroclinum 71 Adlumia 71 Ageratum 71 Alyssum 71 Amaranthus 71 Ampelopsis 71 Antirrhinum 71 Aquilegia 71 Arctotis Grandis 71 Asparagus Fern 69 Asters 67, 72 Balloon Vine 73 Balsams 73 Balsam Apple and Pear 79 Begonia 73 Bellis, See Daisy 76 Calceolaria 73 Calendula 73 Campanula 73 Canary-Bird Flower 78, 82 Candytuft 73 Cannas 73 Carnations 74 Castor-Oil Plant. See Ri- cinus 82 Celosia 74 Centaurea 74 Chrysanthemums 67, 74 Cineraria 75 Clarkia 75 Clematis 75 Cleome 75 Cobea Scandens 75 Cockscomb 67, 74 Coreopsis 75 Cornflower 67 Cosmos 75 Crotolaria 75 Cuphea 75 Cyclamen 75 Cypress Vine 76 Dahlias 69, 76 Daisy 68, 76 Datura 76 Delphinium 76 Dianthus 68, 76 Digitalis 77 Dolichos 77 Edelweiss 77 Eschscholtzia 77 Evening Primrose 77 Everlasting Flowers 77 Forget-me-nots 79 Four-O'Clocks. See Mar- vel of Peru 79 Gaillardia 77 Geranium 77 Gloxinias 77 Godetia 77</p>	<p>Flower Seeds—Con.</p> <p>GOURDS 30, 77 Grasses 77, 78 Grevillea 77 Gypsophila 78 Helianthus. See Sun- flower 84 Heliotrope 78 Hollyhocks 78 Humulus 78 Ipomœa. See Moonflower, 68, 79 Kenilworth Ivy 78 Lantana 78 Larkspur 78 Lathyrus 78 Lobelia 78 Lychnis 79 Marigolds 79 Marvel of Peru 79 Mesembryanthemum 79 Mignonette 79 Mimulus 79 Moonflowers 68, 79 Momordicas 79 Morning Glories 79 Myosotis 79 Nasturtiums 80 Novelties 67 to 70 Ornamental Gourds 77 Ornamental Grasses 77, 78 Fansies 69, 80 Petunias 70, 81 Phloxes 68, 81 Pinks 68, 76 Poppies 81 Portulaca 82 Primula 68, 82 Pyrethrum 82 Ricinus 82 Salpiglossis 82 Salvia 82 Sensitive Plant 84 Smilax 84 Stocks 84 Stokesia Cyanea 67 Sunflowers 84 Sweet Peas 83 Sweet William 84 Thunbergia 84 Tropeolum 82, 84 Verbenas 84 Violet 84 Wallflower 84 Wild Flower Garden 70 Zinnias 84</p> <p>Plants.</p> <p>Cornflower 67 Moonflower 79 Roses 86, 87 Stokesia Cyanea 67 Strawberries 88</p> <p>Bulbs.</p> <p>Begonias, Tuberos Rooted 85 Caladiums 85 Cannas 85 Dahlias 85 Gладиoli 70, 85 Gloxinias 85 Iris 85 Oxalis 85 Pæonies 85 Tritoma Pfitzerii 70 Tuberoses 85</p> <p>Miscellaneous.</p> <p>Bee Supplies 121 to 123 Books 14 Brooders 108 Dairy Supplies 94, 95 Disinfectants 93 Fencing 113 Fertilizers 91 Fruit Trees 89</p>	<p>Miscellaneous—Con.</p> <p>GRAPES 89 Hot Bed Mats and Cloth 92 Incubators 107 Insecticides 90 Mastica 103 Nut Trees 89 Paper, Celery and Wax 92 Poultry Foods 114 to 117 " Remedies 118, 119 Poultry Supplies (General) 107, 120 Small Fruits 88 Twine, Raphia, etc. 92</p> <p>Implements</p> <p>Asparagus Buncher 96 Baskets 96, 101 Be Implements 121 to 123 Bone Cutters 96, 110 Brooders 108 Churns 84 Cider Mills 86 Corn Planters 96 Corn Shellers 96 Cultivators, 99, 100, 3d cover Cutters 96, 101, 103, 107, 110 Dairy Supplies 94, 95 Dibbles 97 Drills 100, 3d cover Drinking Fountains 112 Egg Cases 109 Feed Cookers 97 Fencing 113 Flower Pots 97 Forks 97 Fumigators 98 Glass Cutters 92, 98 Glazing Points 92, 98 Grass Catchers 102 Grindstones 98 Grinding Mills 98 Harrows 99, 100 Hoes 99, 100, 101, 3d cover Horse Hoes, 99, 100, 3d cover Horse Radish Graters 101 Hose 101 Incubators 107 Iron Age Tools 100 Jardineras 101 Knives 95, 98, 101 Labels 102 Lawn Mowers 92 Mole Traps 105 Planet Jr. Tools, 99, 3d cover Plant Stands 103 Plows 103, 3d cover Presses 102 Pumps 90 Putty Bulb 92, 103 Rakes 103 Reels and Lines 98 Rollers 104 Sash Hot Bed 101 Scissors and Shears 104, 105 Scythes 104 Seed Sowers 104 Seed Tryers 103 Shovels 105 Sieves 105 Sprinklers 92, 105 Sprayers 90 Stakes 105 Syringes 105 Trellis 105 Thermometers, 92, 95, 106, 111 Torch, Asbestos 90 Tree Tubs 106 Traps 106 Trowels 106 Water Pots 106 Water Barrel and Truck 106 Weeders 97, 106 Wheelbarrows 106 Wheel Hoes 100, 3d cover Wine and Berry Presses, 103 POULTRY SUPPLIES in great assortment in special catalogue.</p>
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Planet Jr. Farm and Garden Tools

PLANET JR. No. 3

Hill and Drill Seeder

Price, \$10.00



Planting in rows and thinning afterwards is a terrible time-waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12 or 24 inches apart, or in a continuous row as desired. Changed in a moment. Holds 8 quarts. The most accurate drill made, and guaranteed satisfactory.

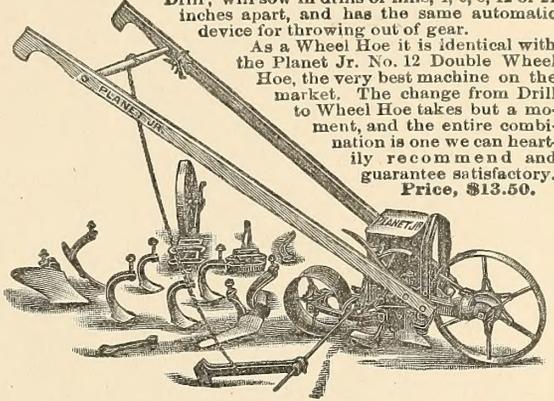
PLANET JR. No. 25

Combined Hill and Drill Seeder and Double Wheel Hoe. Price, \$13.50

This new combined machine is intended for a class of 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 a separate Wheel Hoe. It holds 2½ quarts (or about 5 lbs. of onion seed).

As a Drill it is almost identical with the Planet Jr. No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear.

As a Wheel Hoe it is identical with the Planet Jr. No. 12 Double Wheel Hoe, the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory. Price, \$13.50.



No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow

Price, complete, \$10.00
As a Drill only \$8.00.

With a No. 4 Combined Drill you will have a better garden with much less work.



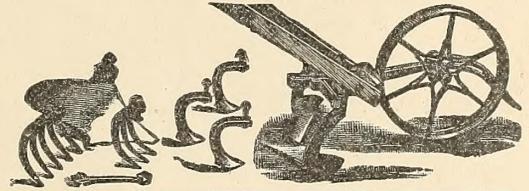
The Drill is the same as the No. 3 Seeder, but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool.

PLANET JR. No. 16

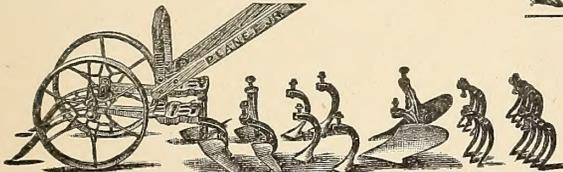
Single Wheel Hoe

A light, inexpensive and extremely efficient tool. Frame and handles are adjustable, and wheels can be changed to the other side of the frame, when both sides of the row can be hoed at one passage.

Price, \$5.50.



PLANET JR. No. 11 Double Wheel Hoe



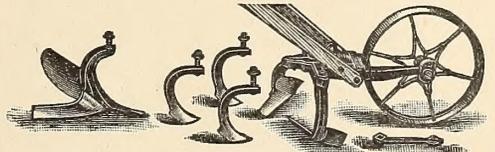
This Wheel Hoe is a famous labor-saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with marvelous ease and quickness. The wheels can be set to four different widths and the frame at three heights. The tools are changed without removing a single nut. Nothing like it for onion growers. Price, \$8.50.

PLANET JR. No. 17

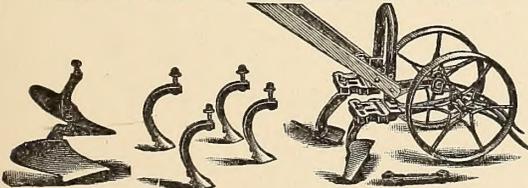
Single Wheel Hoe

This tool is identical with No. 16, but has only a pair of 6-inch hoes, a plow, and a set of cultivator teeth—an outfit sufficient for most garden work. The other attachments can be added at any time.

Price, \$4.75.



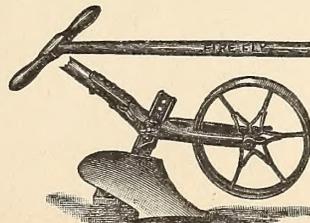
PLANET JR. No. 12 Double Wheel Hoe



This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments, and is sold at a correspondingly less price. The tools shown and sold with No. 12 are what gardeners use most, and the others can be added as wanted. Price, \$6.50.

Fire-Fly Garden Plow

Price, \$2.25.



Invaluable for use in small gardens. Moldboard of tempered and polished steel. The depth is easily and quickly changed.

Very useful to plow up chicken yards.

PLANET JR. No. 13 Double Wheel Hoe

Same as No. 12, but with 6-inch hoes only. Price, \$4.50.

NOVELTY OF REAL IMPORTANCE



**LANNIER'S
SUPERBA**
THE MOST PERFECT BEET
IN EXISTENCE
SEED PER PAKT 10¢ OZ 20¢
1/4 LB 60¢ 1 LB. \$ 2.00



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