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Johnson & Stokes

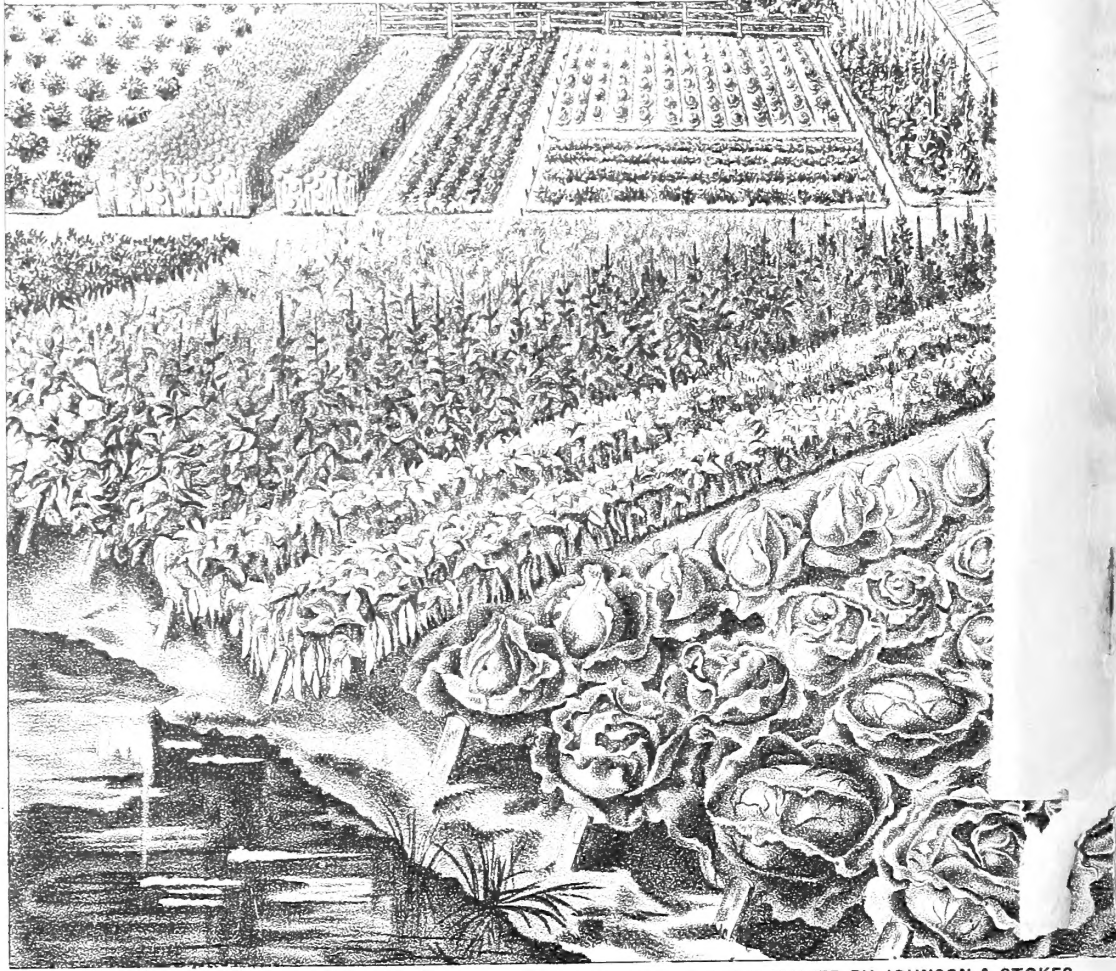
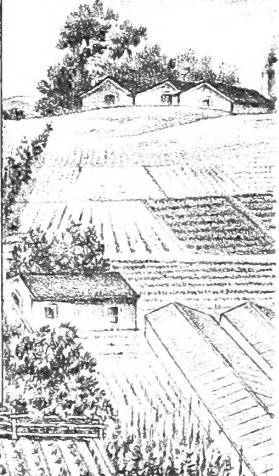


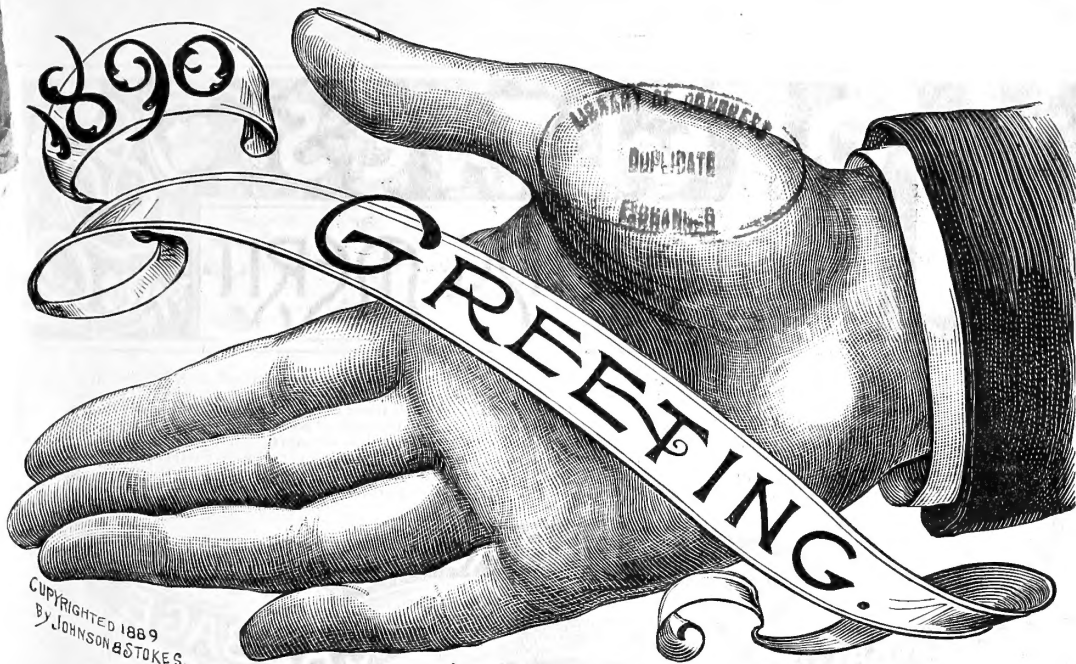
GARDEN & FARM MANUAL.

351
1866

OUR TRIAL GROUNDS
Testing Novelties

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By JOHNSON & STOKES.

PHILADELPHIA, January 1, 1890.

NOTHING would give us more pleasure than to extend in person our right hand of *greeting* to each and every one of our *old friends and customers* and personally thank you for your continued patronage, kind recommendations and good words spoken for us among your neighbors and friends; but as that would be a herculean task, which no man could perform, we can only return you our thanks and best wishes for a happy and prosperous New Year through the medium of this, our *GARDEN AND FARM MANUAL FOR 1890*. We shall still strive to prove ourselves worthy of your confidence by continuing to deal liberally with you and in supplying "*only the Best.*" With a largely increased trade the past season, we have enlarged our facilities for growing, both in increased acreage of our own farms and those of our private growers, and the system of producing our crops from *selected seed stocks* has been rigidly carried out under our personal direction. To any new friends who may receive our Catalogue this season for the first time, we can only repeat what we have said to others before: that it is our constant aim and care to have every seed we sell as *perfectly pure and true to name, freshness and germinating power* as it is possible for human oversight to make it, and that our entire business is constructed upon principles that insure success to ourselves and to those who put their confidence in us. By these methods of care and caution we have built up the largest business of any house in the trade, direct with critical *market gardeners* and experienced planters, who cultivate for profit, and whose trade always seeks the source where the highest quality can be obtained. "*Our success achieved can only be maintained by the methods that obtained it.*"

Very truly yours,

JOHNSON & STOKES.



All vegetable and Flower Seeds by the packet, ounce, pound, pint or quart, will be delivered by us, postage paid, and free of all expense, to any post-office in the United States. Thus, you have only to enclose, with the order, the cost of the seeds as given in this Catalogue (either by P. O. order, postal note, draft, cash or stamps), and they will be safely delivered, neatly packed, without extra charge. Purchasers of seeds, in large or small quantities, cannot fail to see the great advantages to them of this offer, as it places our store at your very door, and enables customers thousands of miles away to obtain their supplies as safely and cheaply as if they called in person at our store.

CUSTOMERS ORDERING TO BE SENT BY FREIGHT OR EXPRESS

may deduct postage at the rate of eight cents per pound, or fifteen cents per quart, from our prices, on all vegetable seeds. When sent in this way the purchaser pays the transportation charges on receipt of seed.

WE GUARANTEE ALL SHIPMENTS

of Seeds, Bulbs, Plants, Implements, Live Stock, etc., shall reach the purchaser safely and in good condition.



Cash should always accompany the order. We will be responsible for money sent to us by Postal Note, P. O. Order, Bank Draft, Express or Registered Letter. Every postmaster is required to register any letter on payment of ten cents extra postage. The cost of remitting may, in all cases, be deducted from the amount sent. Amounts of one dollar or less may be sent by ordinary letter.

POSTAGE STAMPS THE SAME AS CASH.

When notes are not obtainable, or to make proper change, we accept postage stamps (two-cent stamps preferred) the same as cash.

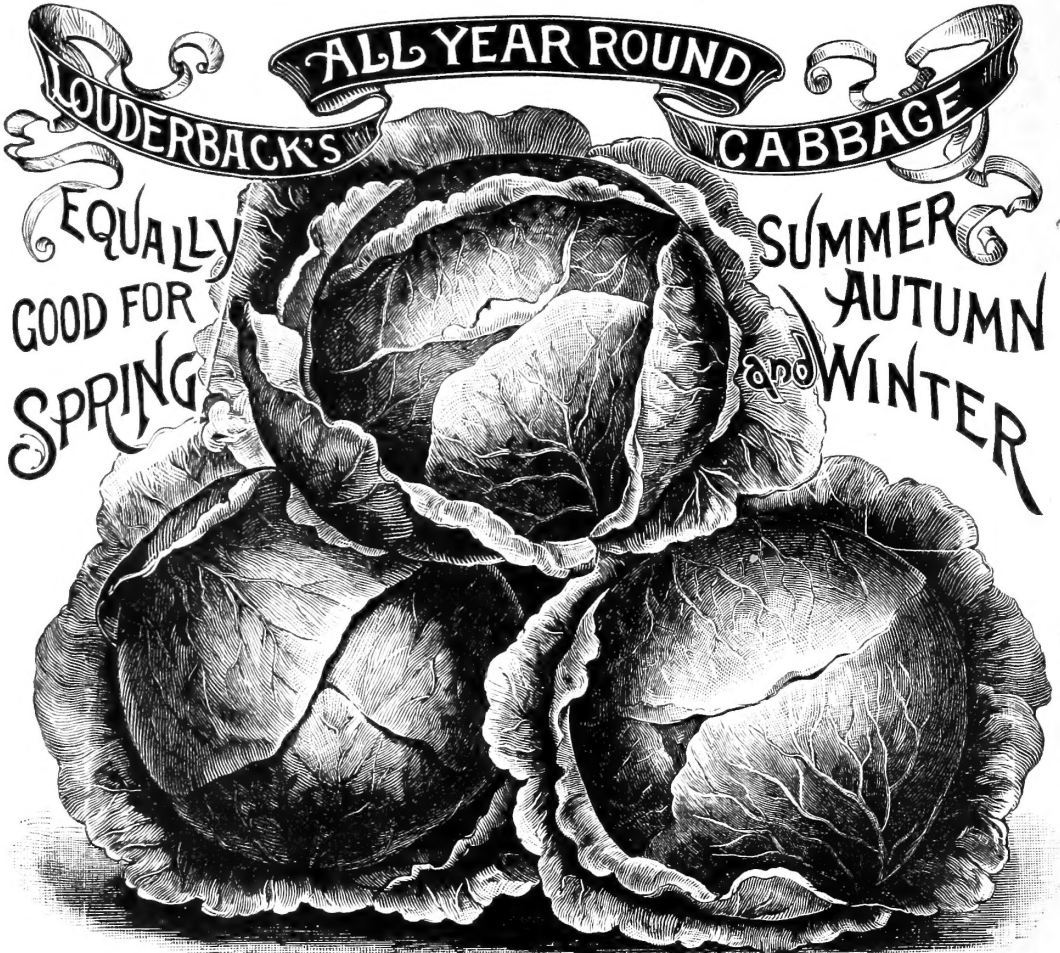
C. O. D. Orders exceeding ten dollars can be sent C. O. D. by express, when twenty-five per cent. of the amount accompanies the order. We are obliged to add the extra express charges for the return of money on all C. O. D. orders. It is therefore less expense to the purchaser to forward full amount of money with order. Plants cannot be sent C. O. D., neither can goods be sent C. O. D. by freight.

CHEAP FREIGHT. Freight rates from Philadelphia to all points in the United States are now very low. Customers at a distance requiring large quantities of Garden and Field Seeds should order early, that their seeds can be sent this way, being cheaper than by express. Small orders, however, can often be sent as cheaply by express.

NOVELTIES

of STERLING MERIT.

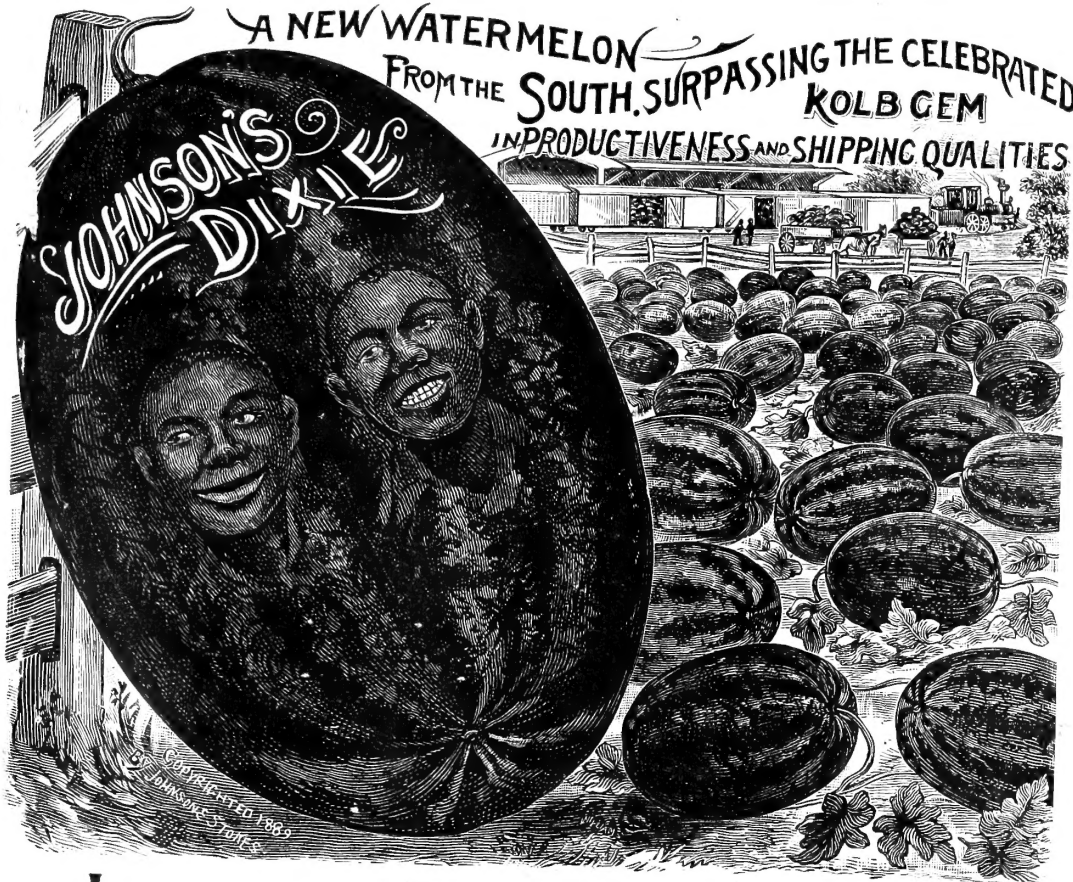
Under this head will be found, honestly described, our Novelties for 1890, many of which are offered for the first time. After most thorough and exhaustive trials we have found them to possess high merit, being great improvements upon existing sorts of the same class. We take great pains each season to inform ourselves fully as to the true character of everything offered as new or superior, either in this country or Europe; for example, we tested the past season, on our trial grounds, 410 new varieties, a majority of which we found to possess very little distinctive value or merit. All such are discarded at once, and our customers may rest assured that, if they fail to find in our Manual any much lauded new variety, 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 to gain and hold the confidence of all customers and assure them from disappointment.



Louderback's All Year Round Cabbage.

We feel a pride in being the first seedsmen to offer to the public a variety of cabbage with so many valuable points as Louderback's All Year Round. This cabbage originated with Daniel Louderback, one of the oldest and most successful of Philadelphia market gardeners, and has had a great local reputation among his neighbors for several years. It is not only the finest Early Drumhead in cultivation, but is equally as good for second and third early, intermediate and late. It heads large and solid, with very short stem and few outer leaves, unflagging under the hottest sun or heaviest frosts and may be sown successively and continuously during all periods when cabbage is planted. As an all around cabbage nothing we have ever seen approaches it. The seed we offer was grown by Daniel Louderback, the originator. We recommend it to all who desire something very choice. Try it. Pkt., 20c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

A NEW WATERMELON FROM THE SOUTH, SURPASSING THE CELEBRATED KOLB GEM IN PRODUCTIVENESS AND SHIPPING QUALITIES

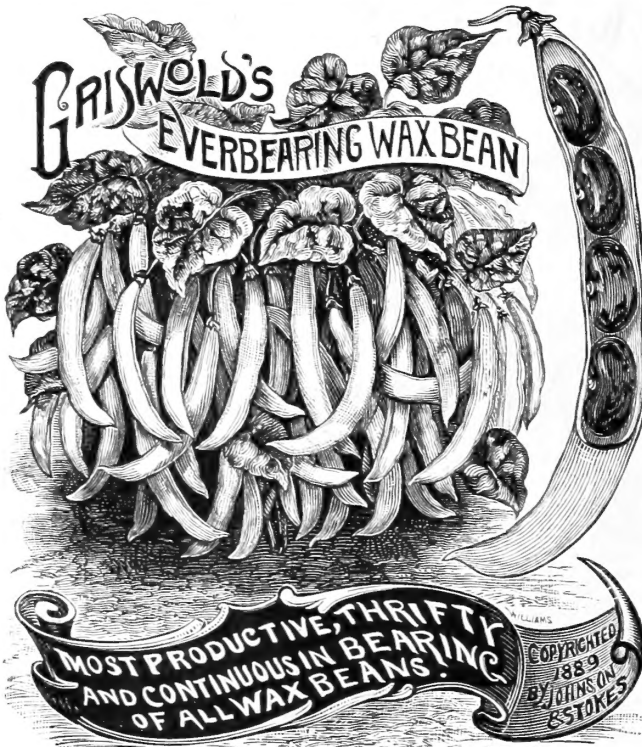


JOHNSON'S DIXIE WATERMELON.

A New Southern Variety, Surpassing the Famous Kolb Gem as a Shipper and without a Peer in Fine Quality and Productiveness.

WE MAKE the above strong claims for this new melon, the seed of which is now offered for sale for the first time, not only from our own experience with it, but from that of some of the largest melon growers in the United States, to whom we sent seed for trial. Our attention was first attracted to this melon by a few appearing on our markets, and selling rapidly at double the price of Kolb Gem, or any other variety, owing to their large size, very distinct and handsome, fresh appearance and fine quality. We learned the origin, and afterward made a visit to Mr. Geo. Collins, the originator, one of the largest truck and melon growers of North Carolina, securing from him, at a good round price, all the seed he could spare, and from which our present crop was grown. Mr. Collins states: "I originated this melon by crossing the Kolb Gem and Cuban Queen. They are a week to ten days earlier than these well known varieties, with a remarkably thin rind, almost impenetrable, which preserves it for a great length of time, keeping three times as long as either before showing decay. Its great productiveness is shown from the fact that the past season each vine matured from seven to eight large melons, while Kolb Gem and Cuban Queen rarely produced more than two or three. The meat is more scarlet, finer and of much better quality. I have served the best hotels with them, and find the demand much greater than I can supply, being by far the most salable melon I have ever grown. I shall plant twenty acres in them next season." These strong claims have been more than verified the past season both by ourselves and other growers. Chauncey P. Coy, of Waterloo, Nebraska, who is probably the largest melon grower in the United States, his annual plantings amounting to several hundred acres, writes us under date of Sept. 21, 1889: "I have carefully noted your New Melon No. 55 (Johnson's Dixie) and find it very much superior to Kolb Gem, the color is noticeably different, being a much darker green and more beautifully striped, giving one the thought at a little distance of the bloom on a green gage plum. The form is longer, while the quality is away ahead. The Kolb Gem flesh is rather coarse, while No. 55 is extremely sweet, juicy and tender." Aaron Paul, another well-known and extensive melon grower at Sewell, N. J., says: "Your New No. 55 Melon (Johnson's Dixie) is the only variety that produced anything here this season. Owing to the unusually cold, wet spring and summer all melon crops in this section were a total failure. My small patch of No. 55 were a sight to behold, averaging seven to eight fine, large melons to the vine, while its eating quality is unequalled by any other variety known to me. Its fine extreme hardness to both cold and wet weather is simply wonderful, and I doubt if its equal exists." W. F. Hunsaker, Cobden, Ill., the great melon growing section of the Southwest, writes: "I am more than pleased with your New Melon No. 55 (Johnson's Dixie). They were the largest, handsomest, and produced more than any melon planted here this year, while the quality is faultless." J. H. Houdyshell, Tama City, Iowa, writes: "We find your New Melon No. 55 (Johnson's Dixie) of the finest quality and flavor. On many hills I counted as many as a dozen ripe melons with as many half-grown ones, all on one hill at same time." Notwithstanding the high price paid for our stock seed of this grand new melon, we offer it at such reasonable prices (for so important a novelty) as to be within the reach of all. Per pkt., 15c.; 2 pkts., 25c.; oz., 40c.; 2 ozs., 75c.; 4 ozs., \$1.25.

* Griswold's * Everbearing * Wax * Bean *



Pkt., 15c.; 4 pkts., 50c.; 10 pkts., \$1.00.

to be able to offer it in quantity. Prices for 1890: Pkt., 15c.; 4 pkts., 50c.; 10 pkts., \$1.00.

We distributed this new bean for trial among some of our customers last season, as New Wax Bean, No. 50, and have received hundreds of letters similar to the following:

WHAT OTHERS SAY

EXCEEDS ANYTHING HE EVER SAW.

JAMES H. FRIES, Cedar Grove, Va., Sept. 17, 1889, writes: "Your New Dwarf Wax Bean, No. 50 (Griswold's Everbearing) exceeds anything in the bean family I ever saw. It began to bear one week later than Wardwell's Kidney Wax, and continued bearing nice, young, tender beans, for table use, up to the first day of September. I will plant no others in the future, except Wardwell's, for earliness. I never had seeds to come up better than yours. Your Crown Jewel Potato is a jewel indeed. It outyields any other variety. Atlantic Prize Tomato is fine and far the earliest."

BEATS EVERYTHING IN BEARING.

M. SOMMER, Salomonía, Ind., Oct. 16, 1889, writes: "The New Wax Bean, No. 50 (Griswold's Everbearing) is the nicest and best bean for green cooking I have ever seen; it beats everything for bearing. It does all you say; bears green, half-ripe and ripe bear's and still in bloom. Your cabbage seed did splendidly. I never had nicer cabbage than now. Dry as the season has been, every stock has a nice, large head and as solid as could be. The Lentz Beets are splendid; they have hardly any top; are the quickest growing beet I ever raised."

THE BEST THAT GROWS.

CHARLES W. MORSE, White Hall, Pa., Aug. 12, 1889, writes: "I consider your No. 50 Wax Beans (Griswold's Everbearing) the best that grow. They will bear over one hundred bushels per acre. They are a lovely string bean, and feel I cannot speak too highly of them. They ripen fine string beans and blossom all at the same time."

In this new Bean, which is exclusively owned and controlled by us and offered this season for the first time, we believe we have the most valuable dwarf wax variety ever offered. It originated with Thomas Griswold, the well-known Connecticut seed grower. Our illustration, made from nature, gives some idea of its wonderful productiveness and handsome, round, yellow pods, which are thick, fleshy, entirely stringless, growing six to seven inches in length, and exceedingly rich, buttery and fine flavored when cooked. Their greatest value, however, is in their *everbearing character*, beginning to bear early and continuing to produce their magnificent pods in great abundance throughout the entire season, and long after all other varieties are done. We counted, this season, many single vines with eighty to ninety pods ready for picking, and a mass of blossoms on the same vine at the same time. The stalk is stiffer and branches out more than any other bean, hence they should never be planted less than ten inches apart in the rows. The beans are a fine kidney shape and very distinctly marked.

The stock of seed, this season, is so small, that we can only offer it in sealed packages. We are sure, however, all who try it will return for seed next season, when we hope

Kentucky Wonder Watermelon.

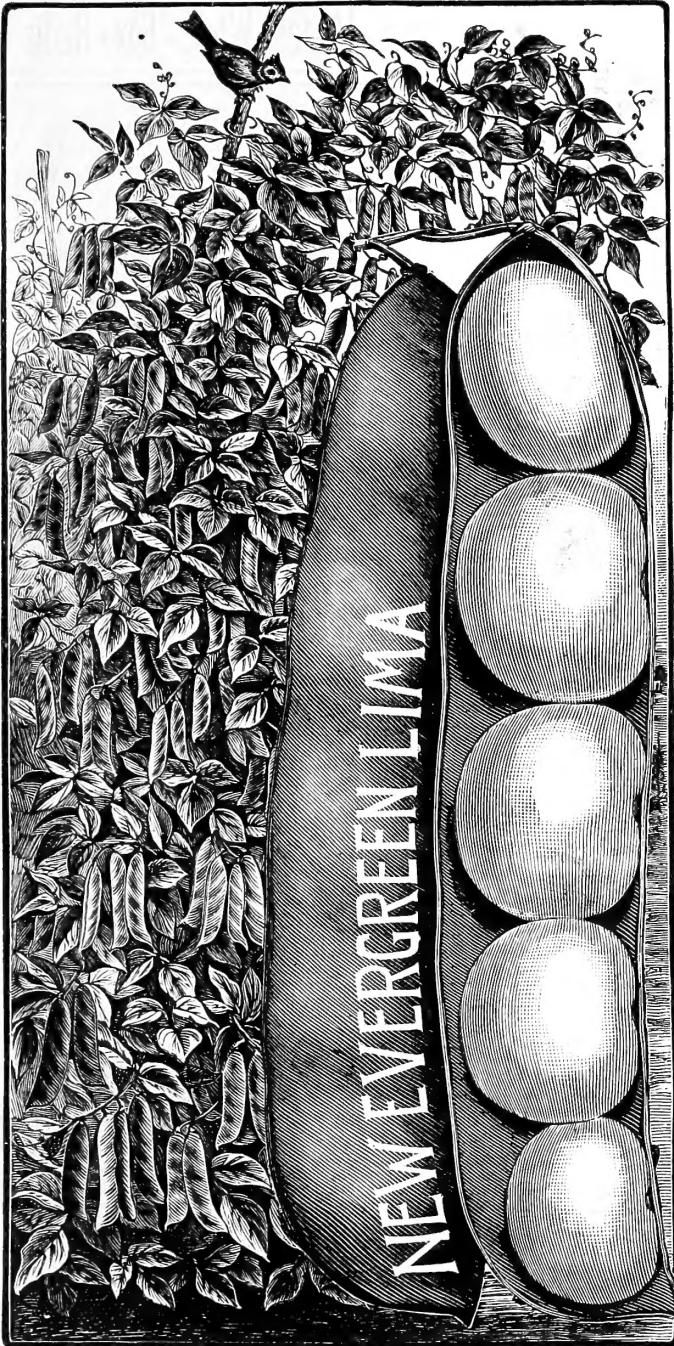
This new variety is the best red-seeded watermelon we have ever grown. In shape it is oblong; skin dark green, marbled in stripes of light green; flesh a beautiful scarlet color, crisp, tender, rich and sugary flavor, always firm, and never mealy. Attains an average weight of forty to sixty pounds. Not a mammoth variety, but a real good, old-fashioned Kentucky melon, that has few equals in quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Horsford's Prelude Tomato.

In our trials the past season we found this new tomato to be a first-class early market variety, of excellent flavor, and specially adapted for greenhouse forcing. With a good soil it is also very suitable for open-air culture for market gardening. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

New Extra Early Refugee Bean.

This entirely distinct new bush bean has all the first-rate qualities of the well-known Refugee, but will be ready for the market or table at least ten days earlier. One of our most extensive market gardeners near New York City, says he has planted it in the spring, gathered the ripe crop, and again planted it in time for fall picking. It is an immense yielder and sure to produce a crop in either a wet or dry season. Pkt., 10c.; pint, 25c.; qt., 45c., post-paid. Peck, \$1.25; bush., \$4.50.



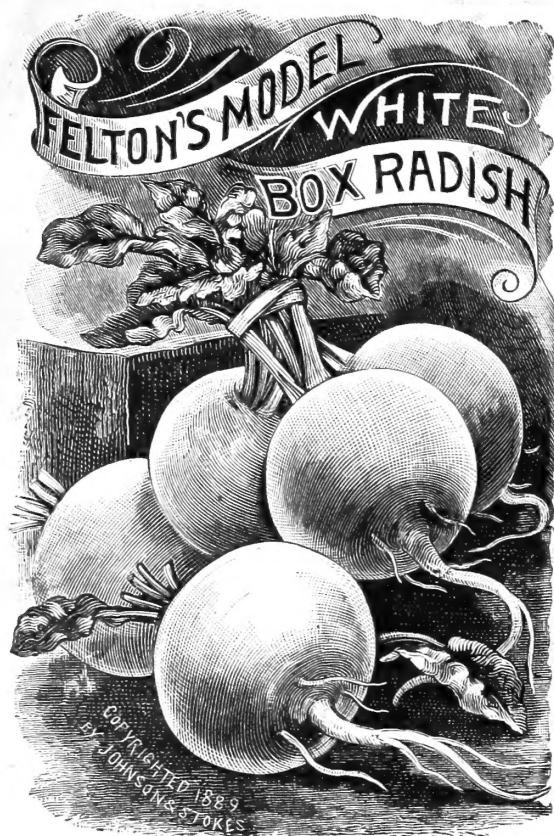
STOKES' ▲ ▲ ▲
EVERGREEN
▲ ▲ LIMA BEAN.

In this new Lima, now offered for the first time, we have the result of several years' patient selection from our **Salem Mammoth** which, as is well known, is the **largest in size of bean** of all other Limas. The **Stokes Evergreen** not only holds the full size (double that of any other Lima) and **great productiveness** of the **Salem Mammoth**, but has the very remarkable additional quality of holding entirely the **deep green color** of the unripe or green state, in all stages of growth and even **when dry** and shelled, thus giving the dry beans when cooked for use during the winter and spring months not only the entire green appearance but also the delicious flavor of beans just pulled or fresh from the vine. This very valuable **evergreen quality** is now entirely fixed and thoroughbred in this variety, as in the product of our own field of three acres this season there was not a bean that showed the least whiteness when threshed out, all retaining their beautiful deep green color and superb flavor when cooked. Could a more valuable acquisition in Lima Beans be wished for? Price, per pkt., 15c.; 2 pkts., 25c.; pint, 60c.; qt., \$1.00.

FOR THE GREAT NOVELTY
 OF LAST YEAR,
THE NEW BUSH LIMA
 SEE SPECIALTIES IN BEANS,
 PAGE 26.

NEW SEEDS FREE FOR TRIAL.

For some years past we have, each season, distributed free, for trial, among our customers, thousands of packages of **New and Improved Varieties** previous to their introduction. Some of our most valuable **Novelties** have been first sent out in this way, by which means they were tried in all sections of the country, thus enabling us to offer them the next season with greater confidence, when reports were entirely satisfactory. We shall follow the same plan in 1890, and have again put up several thousand packages of a number of valuable **novelties** in both vegetables and flowers, which have never been offered for sale, and shall add one or more packages **free of charge**, to all customers whose orders exceed \$1.00 or indicate an interest in new varieties. All who deal with us will be treated liberally. We shall also be glad to receive samples for trial from any of our customers who have new or superior varieties unknown to the general public.



Felton's Model White Box Radish.

No radish we have ever introduced has met with so large a sale and gave such general satisfaction to growers as the **Philadelphia White Box**, first named and introduced by us in 1888. Our customers will no doubt be surprised to find we offer this season for the first, a **still better and more desirable radish**, selected and improved by the well-known Philadelphia market gardener whose name it bears. It possesses all the excellent qualities of the now popular **Philadelphia White Box**, and is superior in the following respects :

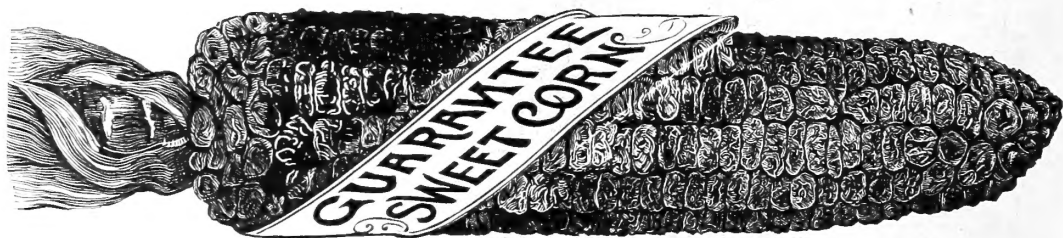
Firstly.—The shape is rounder and much handsomer, as shown in our engraving, made from nature.

Secondly.—It is 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, whether under glass in frames or boxes, or on squares or borders in open ground.

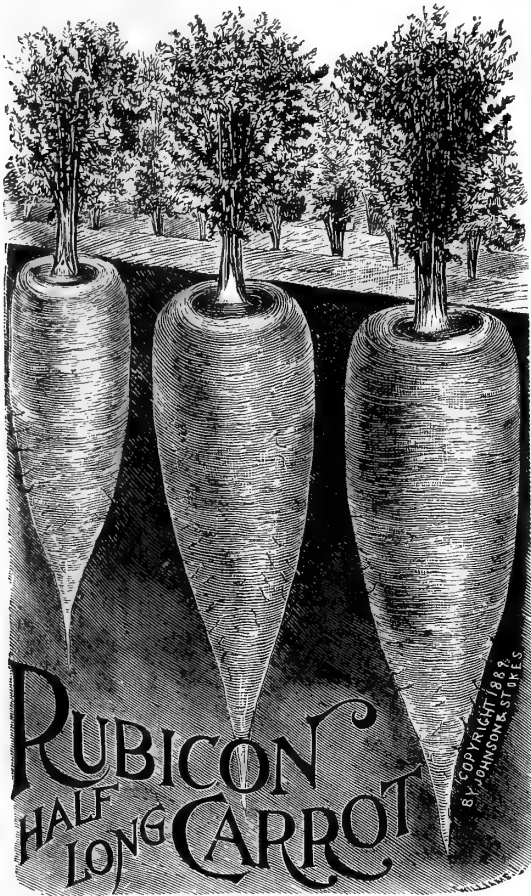
Thirdly.—**Felton's Model White Box Radish** is indeed a model, perfect in all respects, being solid, juicy and unsurpassed in flavor in all stages of growth. Try it.

Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

THE GUARANTEE SWEET CORN.



We take pleasure in offering to our customers this year, for the first time, this most excellent and desirable variety of sugar corn. It has had quite a reputation for a few years in one of the largest market houses in Philadelphia, where it has been brought in market in its season by a Chester County, Pa., market man, and had become known to his patrons as "**The Guarantee**," he having always in disposing of it guaranteed it to be the **sweetest** in the whole market. We have seen his supply of this corn sold out before 8 o'clock in the morning, long before the market was half over, notwithstanding the fact that his price was always 10c. per dozen above his competitors. He has always kept the seed in his own hands until last spring, when, after great persuasion and at high cost, we obtained from him a few quarts, from which our present stock was grown. It grows a good-sized, handsome, white ear; grain very much shrivelled when dry, coming in second early or intermediate, and producing three to four ears on each stalk. If you want something really fine and choice in sweet corn try the **Guarantee**. Pkt., 15c.; 2 pkts., 25c.; pint, 50c., post-paid.

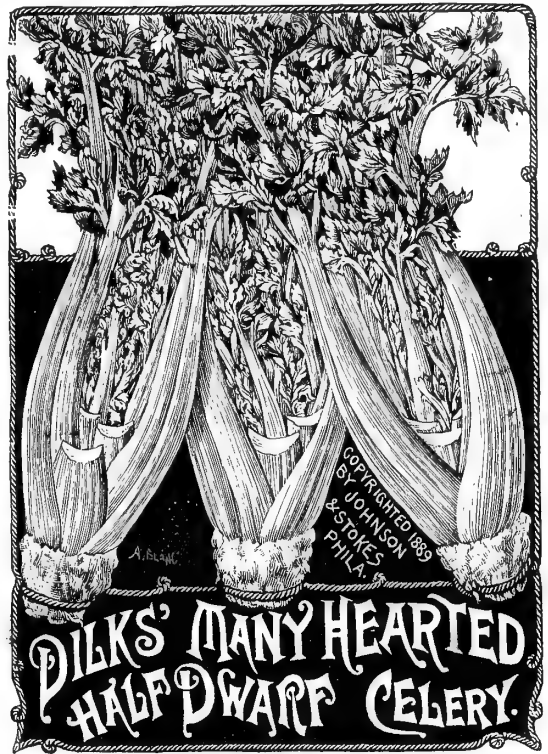


RUBICON
HALF LONG CARROT

COPYRIGHT 1887 BY RANDOLPH STOKES

New Rubicon Half Long Carrot.

In the Rubicon we have an entirely new and distinct American carrot; very symmetrical in shape, and of a dark orange color, selected and perfected by a Connecticut gardener. The stock is so finely bred that the carrots have attained such uniform shape that they are almost exact duplicates of each other. It is earlier than the Danvers and about the same length; the leaves are one-third shorter, fewer and finer than this well-known sort; these features make it extremely well adapted to growing under glass. It is a splendid sort, however, for growing outside at any season of the year. It grows without neck, the crown is hollow, and it grows well under the ground, which prevents it from becoming sun-burnt—a very important feature. Our customers will find the Rubicon a decided acquisition and need have no hesitation in planting it largely. Pkt., 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.



DILKS' MANY HEARTED
HALF DWARF CELERY.

COPYRIGHT 1889 BY G. O. DILKS PHILA.

Dilks' Many Hearted

*** Celery ***

This fine new celery, now offered for sale for the first time, comes to us from Mr. Geo. Dilks, a noted Philadelphia market gardener. It originated from one stalk found growing in a field of Golden Dwarf, in 1884. It is very distinct in appearance, being much stouter, thicker and heavier near the root than any other variety. We have seen four stalks in a bunch weigh thirteen and a quarter pounds, and entirely cover the top of an ordinary flour barrel. This celery has never shown a burnt or dry leaf or a soft or spongy stalk in the most trying seasons. It surpasses all other celeries in keeping qualities, having for a few years past been sold in our markets as late as the last of May, after Golden Dwarf and all other varieties were done. Mr. Dilks has always realized fully 40 per cent. more for his whole crop of this variety than any other celery grown. We have arranged with the originator for his entire crop this season and the seed can only be obtained from us. Pkt., 15c.; oz., 50c.; ¼ lb., \$1.25; lb., \$5.00.

∴ THE LORILLARD TOMATO ∴

This is pre-eminently the best forcing variety, as the following report of the Committee of the Society of American Florists shows: "This tomato possesses extra good forcing qualities, uniformity of ripening over the entire surface, fine flavor, very solid, and a beautiful, smooth appearance. The Committee believe this tomato to be the finest for forcing under glass that has ever made its appearance." We have also grown a large crop of this variety in open field the past season, and find it well adapted for out-of-door culture as well. It is very early, very prolific, and possesses peculiar rot-resisting properties, while its extreme solidity and handsome appearance should commend it alike to shippers and market gardeners. In shape and appearance it somewhat resembles Livingston's Perfection, but of better quality. Pkt., 10c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.75.

ATLANTIC PRIZE.

THE VERY EARLIEST OF ALL

▲ ▲ ▲ TOMATOES ▲ ▲ ▲



In placing this new tomato before our friends, we do so with the fullest assurance that it is the MOST VALUABLE EARLY MARKET VARIETY EVER INTRODUCED, and is so pronounced by every gardener who has given it a trial. It is the result of many years' careful selection by one of the most successful tomato growers of Atlantic County, New Jersey, who, to our certain knowledge, has for a few years past shipped, to New York and Philadelphia markets, fine large tomatoes fully TWO WEEKS AHEAD of all competitors, being the first Northern fruit that has reached those markets, and selling at from three to four dollars per basket. His first shipment in 1889 reached Philadelphia June 11th, having been picked the day previous, while such varieties as Paragon, Acme, Favorite and Perfection did not begin to arrive from the same section until the third week of July, selling then at seventy-five cents per basket. The vines grow strong, stiff and very rapidly, setting the crown fruit when quite young, the buds appearing before the plant is four inches high. The fruit is borne in immense clusters. Each vine producing from sixty to eighty large perfect fruits, very solid and of the finest quality, being unusually free from core and seeds. Another great feature, besides extreme earliness, about this wonderful tomato, and one which must prove of great advantage to all tomato growers and market gardeners, is that when first fruiting it ripens more evenly and abundantly than any other tomato grown. It is perfect in color and form, and is sure to come out ahead of all other early tomatoes. Pkt., 20c.; oz., 75c.; ¼ lb., \$2.50; lb., \$8.00, post-paid.

New Union White Valentine Bean. NEW UNION WHITE VALENTINE BEAN

Perhaps no greater improvement in dwarf beans has ever been accomplished than in this variety. It originated in Jefferson County, N. Y., with one of our largest bean growers, and, as its name implies, is a complete union of all good qualities necessary to make a dwarf green-pod bean perfect. It is much earlier and of a dwarf habit than the old White Valentine, the pods being rounder, smoother, plumper and more meaty and entirely stringless. Among many others it possesses the peculiar and valuable quality of remaining in a tender cooking condition longer than any other green-podded variety; this, together with its extreme earliness—being fit to pick in thirty days from time of germination—makes it an exceedingly valuable sort for spring or fall planting. The beans, when ripe, are pure white, thus enabling the grower to sell them as shelled beans at a profitable figure in case he cannot sell them in the green state. We do not hesitate to recommend this new sort as unequalled in our entire list of beans. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid. Qt., 35c.; peck, \$2.25; bush., \$8.00, by freight or express.



THE LARGEST, HEAVIEST AND MOST PRODUCTIVE.

THE MOST ATTRACTIVE IN COLOR AND FORM.



THE BRANDYWINE or No. 45 TOMATO

See also Colored Illustration painted from Nature on the Back of this Book.

Nothing we have ever introduced has excited so much comment in so short a time as this magnificent tomato. Although offered in packets only, and last spring for the first time, it has brought us in hundreds of unsolicited testimonials from customers who tried it, only a very few of which we have room to publish below.

ITS HISTORY.—In the spring of 1887 a customer in Ohio sent us a small package of tomato seed, requesting us to give it a fair test on our trial grounds. A few plants were set out along with forty-five other varieties we were testing, both new and old; this being the last on the list, was numbered 45. To our astonishment, it completely eclipsed, in great size and beauty, all other varieties we were testing, specimens when ripe weighing *three to three and one-quarter pounds each*, as smooth as an apple and remarkably solid. To still further test this tomato, we sent a few packets to tomato specialists, requesting them to report on its merits. The name given it was suggested by our friend, Thos. H. Brinton, of Chadd's Ford, Pa., who has probably grown and tested more varieties of tomatoes than any other person in the United States, who wrote September 25, 1888: "The more I see of the Tomato No. 45, the more I am pleased with it. It is certainly a magnificent, new, most valuable and distinct variety, and worthy of the name of 'Brandywine,' after that most beautiful of all streams, which flows near our Quaker village."

With two such handsome varieties as the *Atlantic Prize for early*, and the *Brandywine for late*, no gardener could fail to give a bountiful supply of delicious tomatoes the entire season. Prices for 1890: Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.

WHAT THEY SAY OF BRANDYWINE AND ATLANTIC PRIZE.

AHEAD OF ANY EVER SEEN.

MIRANDA PERKINS, Excelsior Springs, Clay Co., Mo., Sept. 16, 1889, writes: "I am very greatly pleased with the seed purchased of you. The Brandywine and Atlantic Prize Tomatoes are far ahead of any I have ever seen, the Atlantic Prize coming early and the Brandywine late. Short Stem Drumhead and Market Gardeners' Cabbage No. 2 are ahead of all in this section, while your Andalusia Bean beats the world."

TWO WEEKS EARLIER THAN DWARF CHAMPION.

WM. MILLER, Perryville, N. Y., Oct. 29, 1889, writes: "The Atlantic Prize Tomato proved to be two weeks earlier than the Dwarf Champion, grown under precisely the same conditions. I have no doubt it will become the standard for a large, smooth extra early tomato. I venture to predict that in the next twenty years you will not produce three such vegetables as Atlantic Prize Tomato, J. & S. Market Gardeners' No. 2 and New Diamond Winter Cabbages."

FAR SURPASSES EVERY OTHER KIND.

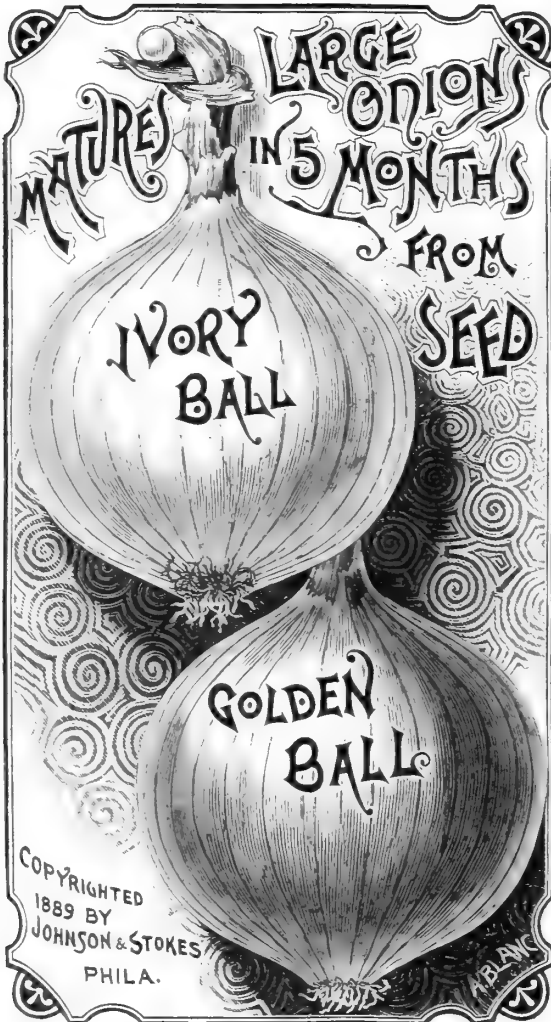
R. S. GEISE, Klingerstown, Pa., writes: "The new tomato (Brandywine) turned out the finest I ever saw; they have produced the largest and finest tomatoes ever grown in this section, far surpassing every other kind in size, flavor and productiveness; they are of a very large size, weighing from 2½ to 3¼ pounds."

EARLIEST YET INTRODUCED.

WM. MILLER, Perryville, N. Y., writes: "In your new Atlantic Prize you have the earliest tomato yet introduced, mine are now in full blossom. None of my other twenty varieties, which include the King of the Earliest and Dwarf Champion, have yet budded. Market Gardeners' No. 2 Cabbage is now a sight to see."

PERFECTION HAS BEEN REACHED.

L. CLAPRODD, Herring, O., Oct. 16, 1889, writes: "The Brandywine Tomato is par excellence the finest, largest, heaviest and best yielder I ever saw; not a rough or misshapen one on 150 vines of them. Perfection has been reached in the Brandywine."



IVORY BALL ONIONS GOLDEN BALL

These highly valuable new and distinct American onions originated with Mr. John R. Williamson, of Ohio, one of the largest and most successful onion growers of that State. Mr. Williamson's onions have been long and favorably known by a few Eastern commission houses as the best in the market, and much sought after late in the season, owing to their excellent keeping qualities, fine appearance, and handsome shape.

The accompanying engraving, made from nature, shows the shape and general appearance. Seed of these varieties are sure to bottom well; in fact, 100 plants, if cultivated properly, will produce 100 fine, perfect, full-proportioned onions, of much better quality and appearance than the Southport Globe varieties. These extra qualities always insure extra prices.

GOLDEN BALL ONION.

The color of the skin is between a golden and a rich brown, flesh of exquisite whiteness, mild, well-flavored and of unapproachable quality, and occupying the very first rank as a keeping variety. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; 1b., \$2.75.

IVORY BALL ONION.

In size, shape and keeping qualities this variety is an exact counterpart of our Golden Ball. The skin and flesh, however, are of a pearly whiteness, and so smooth, round and handsome that, to a casual observer, they might easily be taken for billiard balls. It is just as easy to grow as the yellow varieties, and we recommend it to market growers in preference, for the reason that white-skinned usually command a higher price than yellow onions. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; 1b., \$3.50.

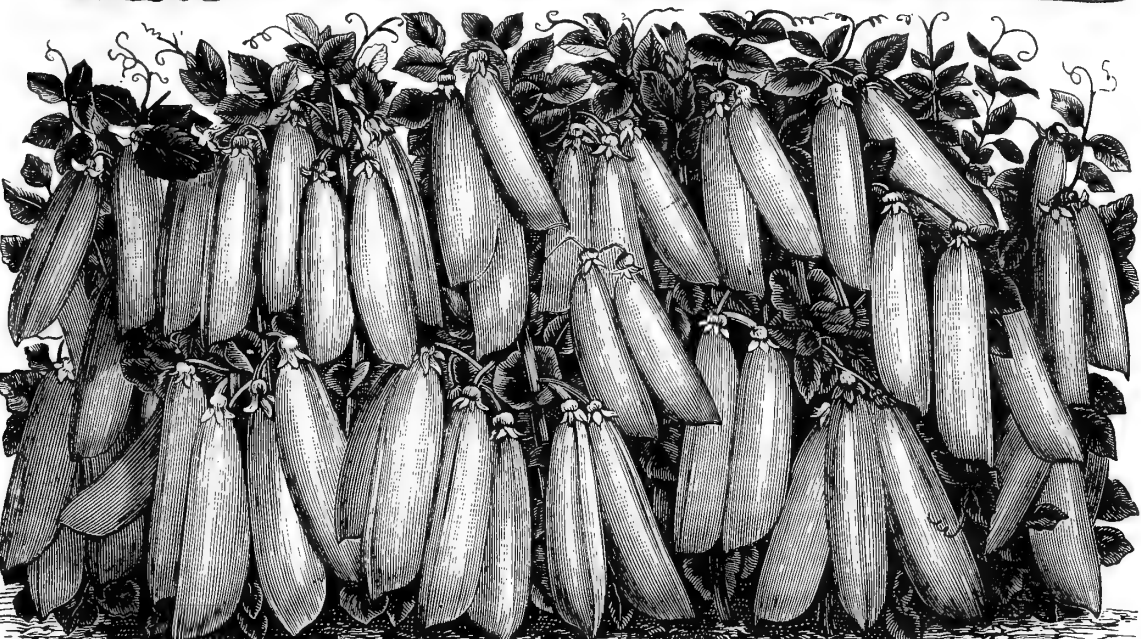
NEW * LETTUCE.

CALIFORNIA ALL HEART.

The valley of Santa Clara, California, just south of San Francisco, has of late years been noted for growing the finest lettuce in the world. This new variety was sent from there, with the request that we give it a trial. The originator, a prominent lettuce grower, in sending us the seed, wrote: "No praise is too high for its merits, as its superior does not exist." We are happy to say that, after a fair trial by ourselves and several customers to whom we sent seed gratuitously, we can fully endorse his strong claims for the California All Heart Lettuce. It proved the best lettuce of twenty-two new sorts tested on our trial grounds. Its handsome shape and appearance are well shown in our colored illustration on the back of this book, which has been reproduced from a painting made from nature. Its shape is very distinct, heading up like a pointed cabbage and almost as solid, of a beautiful light green shade, almost white and particularly rich and buttery in flavor; very tender and sweet at all times, never bitter. It grows rapidly, and will be found equally valuable for both spring and summer use. Pkt., 15c.; 2 pkts., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00; 1b., \$3.00, post-paid.



See also colored illustration from nature on back of this book.



DELICIOUS NEW PEA—SUTTON'S SATISFACTION.

Encouraged by the success of our introduction to the American public, a few years since, of the New English peas, **Stratagem**, **Telephone** and **Pride of the Market**, we sent to England and obtained seed of several more new English sorts, which were highly recommended by the English seedsmen. This variety from the Messrs. Sutton, the largest retail seedsmen of Great Britain, has proven the best of all the English varieties we have ever tested, and although only first introduced by us last year, we have received hundreds of testimonial letters from customers pronouncing them the most important novelty in peas introduced for many years. Their table qualities are the **most toothsome and delicious flavored** of any known variety of either American or foreign origin. This is **high praise**, but does only justice to the **Satisfaction Pea**. The vine grows vigorously to a height of about two and one-half feet, requiring no brush or sticks to hold them up, being very stocky and robust, and literally filled with large **showy pods**, as shown in our illustration above, which almost hide completely their dark green foliage. They follow closely our best extra early sorts, being ready for the table in **fifty-six days** from germination, and **continue in bearing longer** than any other early sort. The peas when green are unusually large and of fine deep green color; when dry are very distinct in appearance, being much more wrinkled than any other sort. **Sutton's Satisfaction** has come to America to stay, not half-way up the ladder, but at the **very topmost round**—your garden will not be complete without them. Pkt., 15c.; 2 pkts., 25c.; pint, 40c.; qt., 75c., post-paid. Qt., 60c.; 4 qts., \$2.00; peck, \$3.50, by freight or express.

\$100 CASH FOR BEST ESSAYS

We will pay September 1st, 1890, \$100 in cash for best practical essays sent us before that date, on the following subjects:

Competition open to all whether customers or not.

- \$25 for best essay.**
\$10 for second best essay.

Subject, "**HOW TO MAKE MARKET GARDENING MOST PROFITABLE.**"
 These essays should give full information on way of growing and marketing vegetables usually grown by market gardeners and truckers in Northern, Eastern and Western States, at seasons of the year when they can be grown and marketed most successfully.
- \$25 for best essay.**
\$10 for second best essay.

Subject, "**HOW AND WHAT TO GROW IN THE SOUTH FOR NORTHERN MARKETS.**"
 These essays should give practical knowledge of time of planting, mode of culture and best varieties for the purpose.
- \$20 for best essay.**
\$10 for second best essay.

Subject, "**HOW TO GROW AND MARKET CABBAGE AND ONIONS.**"
 These essays should give practical directions for preparing and manuring the ground, sowing the seed, cultivating and marketing these important crops on a large scale.

Mitchell's * Perfected * Earliest * Dark * Red * Turnip * Beet.



This unparalleled new variety was originated and selected by Geo. Mitchell, a prominent Philadelphia market gardener. It is entirely distinct from any other sort, and is without exception the earliest beet ever produced, while its table qualities are much superior to any variety with which we are familiar, either of American or foreign introduction. It has the color and small top of the well-known Egyptian variety, which admirably fits it for growing under glass, but, unlike the latter, it is tender, sweet and juicy, even after it has lost its leaves from age. While the Egyptian has heretofore been about the earliest sort obtainable, it is a well-known fact that its poor quality often rendered it undesirable, and that it is not marketable at all in its middle and later stage of growth, owing to its tasteless, hard, woody nature and disposition to crack open. These defects, as well as all others, are entirely absent in the Mitchell Beet, and we give it an unqualified recommendation to all those who wish to plant the earliest and best Dark Red Short Top Turnip Beet, either under glass or in the open ground for private use or market purposes. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Delaware

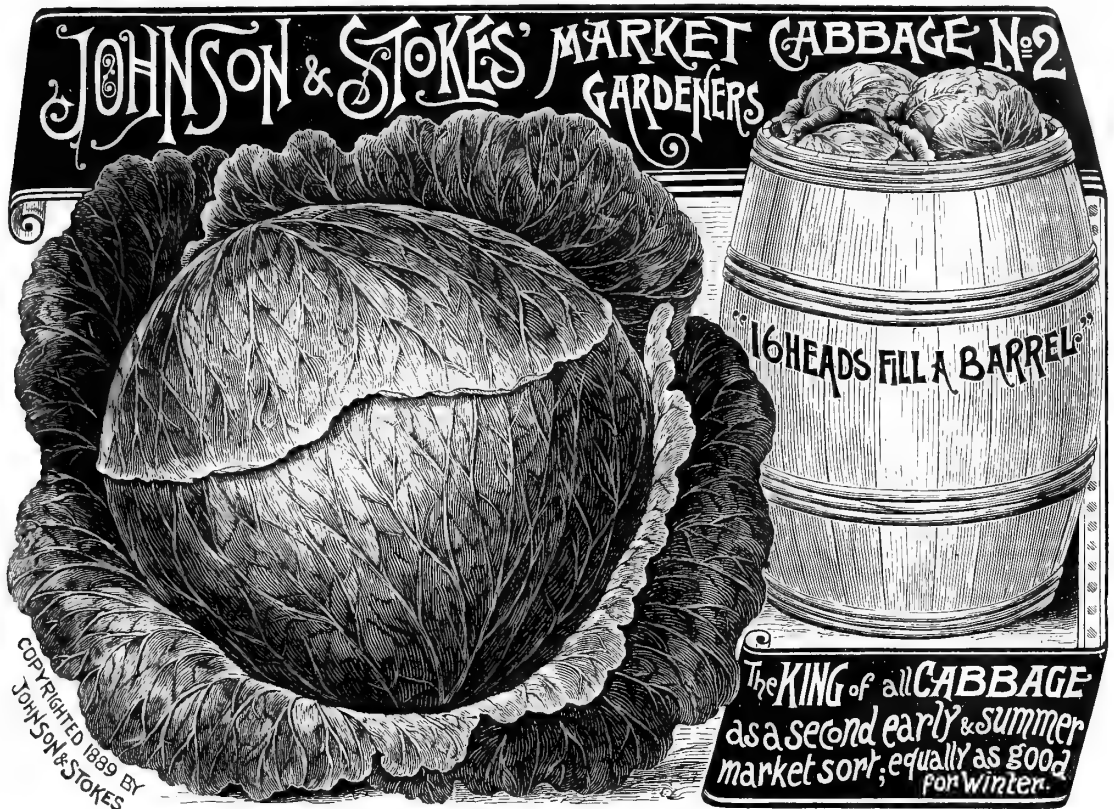
Watermelon.

This new melon originated in Delaware, with Mr. Paynter Frame. It is a cross between Ironclad and Mountain Sweet. Shape oblong, skin striped dark and light green, flesh red and of good quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

THE NEW LIBERIAN WATERMELON.

We are always anxious to give our customers the best of everything, and in offering this new variety believe we not only have a great surprise for them, but a *genuine prize*. It is the best foreign watermelon we have ever propagated. The original seed came from Liberia, on the coast of Africa. It is now thoroughly acclimated, having been grown for a few years past by several New Jersey truckers, on the east shore of the Delaware River, who have always realized handsome prices for the melons in New York and Philadelphia markets, where they are much sought after, and sell in preference to all other watermelons. These growers have heretofore entirely controlled this melon, and grow it to the exclusion of all other varieties.

They grow uniformly to a very large size, with dark green skin, slightly striped with a shade of lighter green; very handsome, distinct and showy, always possessing a pleasing, fresh appearance; although the rind is quite thin, it is an excellent shipper. The handsome scarlet flesh is pronounced, by all who have tasted it, the richest and sweetest flavored of all the large varieties of watermelons. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



Pkt., 20c.; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00, post-paid.

JOHNSON & STOKES' MARKET GARDENERS' CABBAGE No. 2.

This very valuable new variety was offered by us for the first time last spring. It has given unbounded satisfaction in all sections and is pronounced by all prominent market gardeners who tried it the **very best of all cabbages as a second early and summer market sort.**

The originator has for several years sold the seed to neighboring growers in Northern New Jersey at \$2.00 per ounce, until we purchased his entire crops of seed in 1887 and 1888. In it we have a cabbage so **hardy and vigorous** that it can be set much **earlier than Early 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 come in as **early as the Wakefield**, and two weeks earlier than Early Summer or any other round or flat-headed variety. Could anything more be wished for in an early market cabbage? On the other hand, 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 solid heads**, the quality of which is equal to the best, and when stored for winter and spring use, will keep perfectly until very late in the spring, coming out in fine salable condition.

Such a cabbage is **Johnson & Stokes' Market Gardeners' Cabbage, No. 2**, and all who give it a fair trial will, after growing it, be as enthusiastic in its praise as we are. **Try some of the best seed of the very best cabbage in cultivation.** Pkt., 20c.; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

MARKET GARDENERS SAY, "NOTHING TO EQUAL IT!"

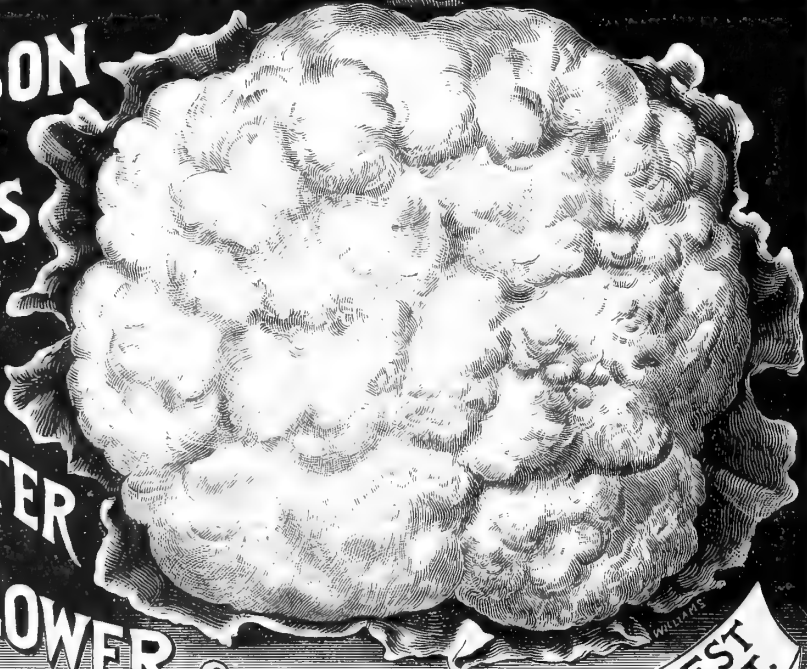
B. BRUEMNER, Springfield, Ohio, Oct. 17, 1889, writes: "I take great pleasure in stating that your Market Gardeners' Cabbage, No. 2, is one of the finest cabbages ever grown around Springfield. I had it in market on the third day of July, ahead of all others. It surpasses all early or late cabbages. No garden is complete without J. & S. Market Gardeners' Cabbage, No. 2."

T. B. PITTMAN, Thornton, Ind., Sept., 20, 1889, writes: "Your Market Gardeners' Cabbage, No. 2, is the best early cabbage I have ever seen. I had it in the stores and market here away ahead of any other cabbage; every head was nice and solid. I will plant no other for either early or late in future."

J. P. SENN, Ennoree, S. C., Oct. 11, 1889, writes: "Your Market Gardeners' Cabbage, No. 2, is the finest of the fine, and this is the opinion of every one else who sees it. We shall want no other cabbage in this section next season."

A. M. FAIRHURST, Emerson, Ind., writes: "There is no use talking, your new J. & S. Market Gardeners' No. 2, beats all I have ever seen. From ten different varieties I tried, this excels all for early or late cabbage. It heads largest and of finest quality, delicious flavor."

B. UNGER, Mt. Carroll, Ill., writes: "The J. & S. Market Gardeners' Cabbage, No. 2, cannot have too much said in its favor, it is certainly the earliest in cultivation, with largest heads and perfect in quality."



**JOHNSON
&
STOKES**

**EARLY
ALABASTER
CAULIFLOWER**

**"AMERICAN SEED OF AN
AMERICAN VARIETY."**

**EARLIEST
AND BEST.**

WILLIAMS
JOHNSON & STOKES

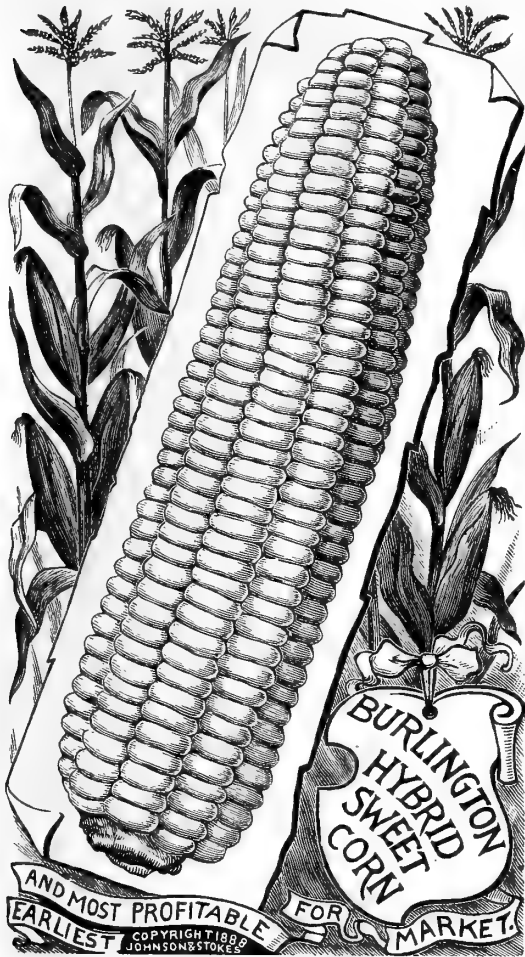
This is the second season we have been able to secure enough seed of this most valuable new and distinct sort to offer it to the general public, our small crops of seed having been all engaged by Long Island market gardeners, even before the seed was taken out and cleaned. Our **Early Alabaster** was originally a sport from the finest German strain of the selected Dwarf Erfurt, one extra fine head appearing some **ten days in advance** of any other in the crop of one of the largest and most expert cauliflower growers on Long Island in 1881. The seed of this was carefully saved by him, and from it our stock has been brought up. Careful selections have been made each year, the type is fixed, and we confidently recommend this as **the earliest and best Cauliflower in the world**, and it is so pronounced by all growers of Eastern Long Island who have had it, and in Suffolk County, N. Y., where it originated, and where hundreds of acres are annually grown and shipped to market. Many of these men have told us they would not take Snow Ball, Erfurt, or seed of any other variety as a gift, as long as they could buy the **Early Alabaster**. It is suited for forcing as well as for growing in open ground, being of very dwarf erect habit, with short outer leaves. It can be planted as close as eighteen inches apart each way. It is a **sure header**, every plant forming a large, solid and perfect head of remarkably pure snowy-white color, of the finest table quality. All market and family gardeners who have failed in growing this delicious vegetable, may rest assured that the trouble has come from either inferior or imported unacclimated seed, and should bear in mind that our seed of the **Early Alabaster is American grown**, and from it a crop of cauliflower can be grown as easily as a crop of cabbage, and with greater profit. **Try it. Pkt., 25c.; 5 pkts., \$1.00; ¼ oz., \$1.50; ½ oz., \$3.00; oz., \$6.00.** One ounce cauliflower seed will produce about 2500 plants, the crop of which would usually bring in this market \$300 to \$400.

Improved Rust Proof Golden Wax Bean.

From our trials of this splendid new variety, we believe that it must, when fully known, entirely take the place of the well-known Golden Wax. It originated with Mr. Fred. Williams, one of the largest bean growers of New York State and from whom we have obtained our seed. Descriptive of this new bean, we can hardly do better than quote the following, from a letter written us by Mr. Williams, October 9, 1889:

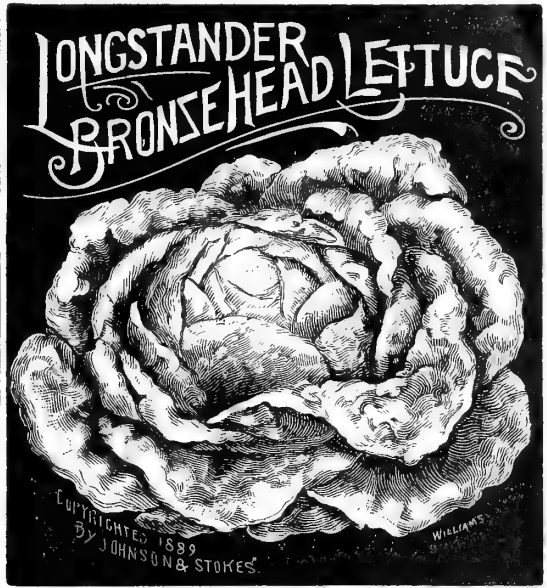
"The **Improved Rust Proof Golden Wax** is the handsomest and hardiest of all the Wax Beans. The pods are straight, long, and thicker than Golden Wax, much **superior in quality and absolutely rust proof**. It outyielded the Golden Wax two to one this season, and I think it will become the most popular of all Wax Beans."

Every claim made in the above was fully substantiated in our trials of this bean the past season, and we hope no progressive gardener will omit giving it a trial this season. Pkt., 10c.; pint, 30c.; qt., 55c., post-paid. Qt., 40c.; peck, \$2.50, by freight or express.



BURLINGTON HYBRID SWEET CORN.

There is nothing in this Catalogue more worthy of the careful consideration of market gardeners than this new corn, and we felt highly gratified in being the first seedsmen to offer it to the public, in the spring of 1889. It is not an untried Novelty, having been grown for several years, with great profit, by a few truckers of Burlington County, N. J., who have kept the stock closely guarded among themselves, they positively refusing to sell seed to anyone. It is a cross between Adam's Extra Early and some large-eared productive variety of sugar corn. Its great market value can be readily seen, from the fact that it is nearly as early as the Adam's, with an ear fully as large as Stowell's Evergreen, and more productive than either, producing equal to the most prolific field corn. Although not legitimately a sugar corn, yet the husks, blades and ear in a green state exactly resemble the sugar varieties, and it sells readily in market as a sweet or sugar corn. It is, however, of much better eating quality than the Adam's. When dry, the grain is smooth and of a creamy-white color. The stalks grow to a height of about five feet and very compact, admitting of closer planting than any other variety; the ears begin to set low down and are borne three to four to a stalk. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; ½ peck, \$1.25; peck, \$2.50; bush., \$8.00, by freight or express.



Longstander * Bronze * Head * Lettuce.

In offering this new lettuce for sale for the first time, we do not deem it necessary to add any further description than the sample testimonials published below, coming from some of our best market gardeners, to whom we distributed the seed for trial last spring. From our own experience and that of these customers we feel fully justified in claiming it to be the largest, handsomest, most tender and compact in head, and longest standing of any known variety. Its beautiful golden bronze color is well expressed by one of our customers who says: "It looks greasy, as though a fine yellow oil had been poured over it, saturating every part of the head and leaf."

Pkt., 15c.; oz., 30c.; ¼ lb., 90c.; lb., \$3.25.

WHAT THEY SAY.

JOHN WETZEL, Reed City, Mich., Nov. 4, 1889, writes: "There are not words in the English language to sufficiently praise your new Lettuce, No. 75 (Longstander Bronze Head). It goes to head when very small and continues growing through the whole summer, attaining a size larger than a half bushel. I could not get any of it to go to seed for me, it stood from April until October and never started to seed. It is exceedingly tender and of the best flavor; it looks very greasy like, as though a fine yellow oil had been poured over it, saturating every part of the head and leaf."

A. I. HARCOURT, Chestnut, Ill., Oct. 14, 1889, writes: "The New Lettuce, No. 75 (Longstander Bronze Head), proved the finest we ever raised. The heads were large, rich and tender. The only objection was that they would not go to seed, as I wanted to get the seed for planting again."

C. A. SNODGRASS, Salmon City, Idaho, Oct. 9, 1889, writes: "I think your No. 75 Lettuce (Longstander Bronze Head) the best I ever saw. I sowed it alongside of six different kinds and it was large enough to eat at least ten days before the rest and remained best of all in quality all summer. It failed entirely to shoot to seed."

E. M. POSEY, Gainesville, Ala., Sept. 15, 1889, writes: "I was much pleased with the new Lettuce, No. 75 (Longstander Bronze Head). Although the seeds were planted late they stood the hot weather better and remained in head longer than any I ever had. The heads were large, firm and of the best quality. Even those left in the seed bed headed and were one mass of balls—a sight to behold. I think it the best lettuce for the South I have ever seen."

MRS. WILLIAM SMITH, Egin, Idaho, Oct. 23, 1889, writes: "I was very much pleased with the new Lettuce Seed, No. 75 (Longstander Bronze Head). They are a hardy variety, with large heads, handsome in appearance, very tender and crisp, and remain so all season. We used them on the table after all other varieties had gone to seed."

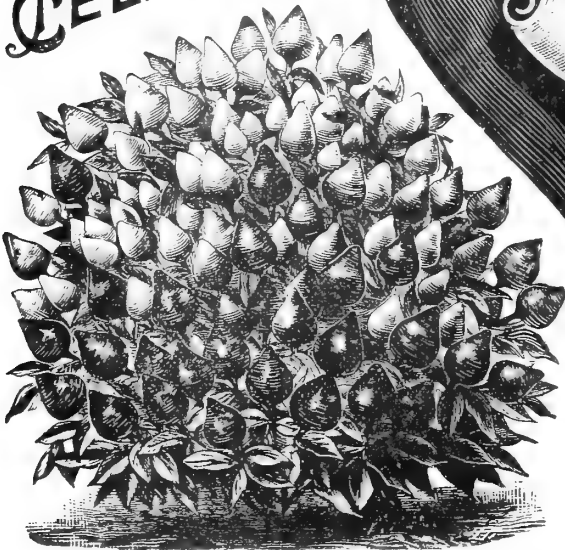
PROCOPP'S GIANT PEPPER.

This new variety may be justly called the Goliath of all the pepper family. They grow uniformly to a very large size. The shape is well depicted in our illustration. They are of a brilliant scarlet color, flesh fully one-half inch in thickness. In flavor they are just hot enough to be pleasant to the taste. Each plant ripens from eight to twelve perfect fruits, from eight to ten inches long by three inches thick. Pkt., 10c.; 3 pkts., 25c.; oz., 60c.; 2 ozs., \$1.00; ¼ lb., \$1.50.

NEW CELESTIAL PEPPER.

A marvel from China. It is not only a most useful pepper, but one of the most beautiful plants in existence. The plant begins to set in peppers early in the season, and continues until frost, branching freely and bearing profusely, single plants producing 300 to 400 perfect fruits. The peppers, up to the time they are full grown, are of a delicate, creamy yellow color, and when fully grown change to an intense vivid scarlet, making a plant when loaded with fruit—part of one color and part of another—an object of the most striking beauty and oddity, and worthy of a place in the flower as well as the vegetable garden. The fruits are borne upright, two or three inches long, of clear, sharp flavor, and superior for any of the uses to which peppers can be put. Pkt., 10c.; 3 pkts., 25c.; oz., 60c.; 2 ozs., \$1.00.

NEW CELESTIAL



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WAX BEAN

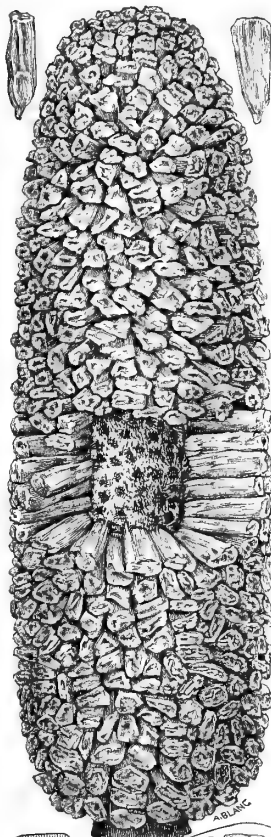
YOSEMITE MAMMOTH

YOSEMITE MAMMOTH WAX BEAN.

This splendid new bean has been so named on account of its enormous size. The pods, as shown in our illustration, frequently attain a length of eight to ten inches, with the thickness of a man's finger. The pods are nearly all solid pulp, the seeds being very small when the pods are fit for use. Pods are a rich golden color, and absolutely stringless, cooking tender and delicious. It is enormously productive, as many as fifty of its monster pods having been counted on one bush. Pkt., 15c.; $\frac{1}{2}$ pint, 75c.; pint, \$1.25; qt., \$2.00, post-paid.

SHOE PEG SWEET CORN.

This very excellent new and distinct variety, now offered for the first time, originated at Bordentown, N. J., in which market it is considered the sweetest and choicest sort grown, selling at double the prices of all other varieties. It has the deepest grain and smallest cob of any known variety. The accompanying cut is an exact representation of an ear from nature. The stalks are of medium height, without suckers, joints short, and sometimes yield as many as five ears, well filled out. The kernel is small, very long, white and exceedingly tender, sweet and of a rich, juicy flavor that is not equalled by any other sort. In maturing it is medium late. In our extended experience we have grown every known variety of sugar corn, but have never found a variety possessing



so many desirable qualities as Shoe Peg Sugar Corn. No market or private garden is complete without it. Pkt., 15c.; pint, 40c.; qt., 60c., post-paid. Qt., 45c.; 4 qts., \$1.50, by freight or express.



NEW FIREBALL FORCING RADISH

SHORT TOP

VERY QUICK GROWTH

HANDSOME SHAPE

FINEST QUALITY

COPYRIGHTED BY JOHNSON & STOKES PHILA. 1889

New Fireball Forcing Radish.

The shape of this exceedingly valuable new variety is well shown in the accompanying illustration, although it grows nearly twice the size. It is the finest red forcing turnip variety ever introduced; has a very small short top, color brilliant scarlet, crisp, solid, tender, and of fine flavor. It is alike valuable for out-door planting early in the spring or in the autumn, and will always command ready sale at good prices throughout the year. It will not disappoint a single customer who sows it, whether he be a market or family gardener. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

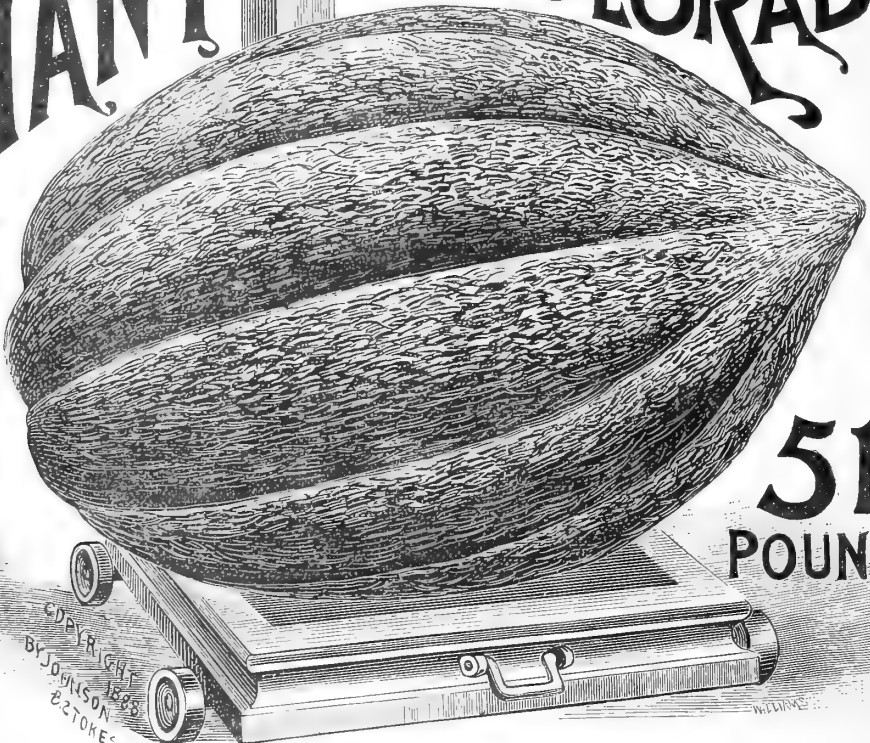
THE PERSIAN MONARCH MUSKMELON.

The fact of this grand new cantaloupe coming from Persia, the original home of the muskmelon, would probably be sufficient recommendation of itself for the most of our customers to give it a trial, as some of our very finest and oldest varieties come from this same source. After thorough and exhaustive trials, we have selected **The Shah** (as it is called in Persia) or **Persian Monarch** as decidedly the best of all foreign muskmelons, being much the richest in quality, in fact **unapproached by any other**, in delicious flavor, wonderful productiveness, hardness and distinctive handsome appearance. The flesh is much thicker and the rind thinner than in any other or, as a friend remarked in testing their quality, "**There is three times as much eating in one of these melons as in any other, and good eating, too, fit for the gods.**" They grow to medium size but, owing to the great thickness of their rich salmon-colored flesh, will weigh about three times as much as any other melon of equal size. We regret to say our supply of seed of this superb novelty is so small this season that we can only offer it by the packet. Per pkt., 20c.; 3 pkts., 50c.; 8 pkts., \$1.00.

THE LARGEST
OF ALL
MUSKMELONS

GIANT

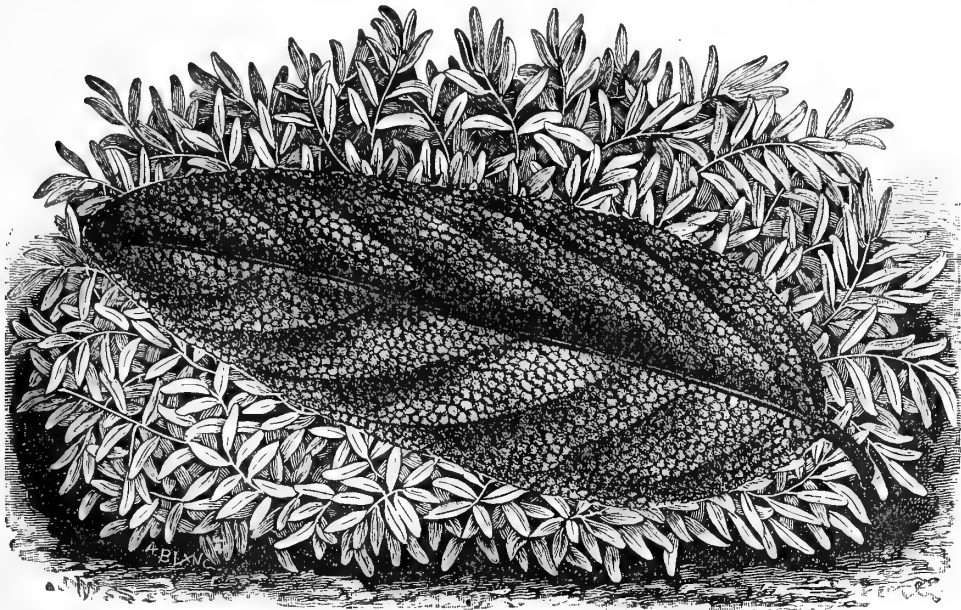
OF COLORADO



51¼
POUNDS

COPYRIGHT
BY JOHNSON & STOKES
1888

The seed of the **Giant of Colorado Muskmelon** was first discovered two years ago by one of our representatives while travelling in Colorado; the grower claimed that he had frequently grown them to weigh fifty pounds and over, and owing to their **delicious flavor and quality** were quite noted and much sought after in Denver and other home markets. We have found these claims fully substantiated after an exhaustive trial, and can honestly recommend them as the **largest and most showy of all muskmelons**, several customers to whom we sent the seed last season report weights of from forty to fifty pounds and first premiums at State and County Fairs. They are well suited to heavy soils, and grow uniformly as large as good-sized watermelons. The flesh is green, melting and sugary. Our engraving above made from a magnificent specimen which turned the scale at fifty-one and one-fourth pounds, will give some idea of their great size, handsome shape and appearance—as an exhibition variety they are unequalled. If you want to astonish everybody, include a packet of the **Colorado Giant** in your order. Pkt., 15c.; 4 pkts., 50c.; oz., 75c.; 2 oz., \$1.25.



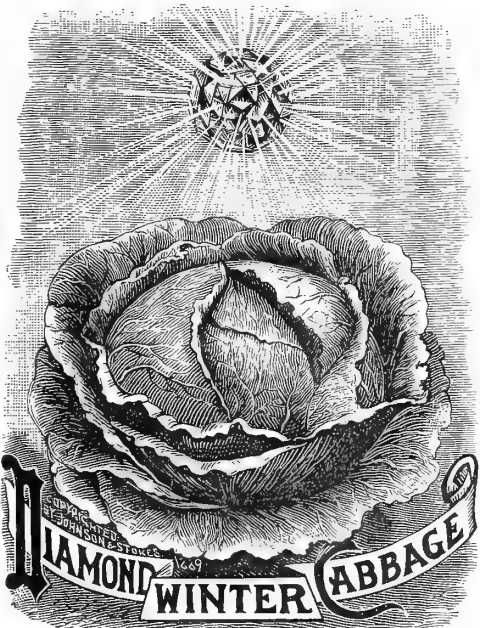
▲ HOLT'S MAMMOTH SAGE ▲

We have grown and fully tested this valuable new variety for several years past and offer the plants to our customers with the greatest confidence in its merit. The leaf and plant are accurately shown in our illustration above. The plant is of very large, strong growth, single plants covering a circular space of nine feet in circumference in one season. It is perfectly hardy and a decided improvement on the ordinary sage, a single plant producing eight to ten times as much, from being much larger. It is also stronger in flavor and superior in quality, never running to seed. Price, 3 plants for 25c.; 7 for 50c.; 15 for \$1.00, by mail, post-paid.

New Diamond Winter Cabbage.

In the **NEW DIAMOND WINTER CABBAGE**, now offered for sale for the first time, we have a strain entirely distinct from any other, viz: a cross between Short Stem Drumhead and Danish Round Winter. Our customers well know the many valuable characteristics of the former, while as to the latter, it is a universally admitted fact that it is the best, heaviest and most solid heading sort grown in Europe. It has cost the originator, a prominent Long Island market gardener, seven years of constant and unremitting care to select and fix this truly fine type of winter cabbage.

The **NEW DIAMOND DRUMHEAD** combines all those qualities so desirable to an experienced market gardener to render a late cabbage perfect in every respect, viz: **size, weight, quality, sure-heading, and a long keeper.** It grows very compactly, the stem is short and it can be planted closer together than any other late variety; besides this it does not crack open. The heads will average from 15 to 18 pounds in weight after they are trimmed for market; they grow very uniform in size and shape and present a handsome appearance to the eye. In fact, one head is almost an exact duplicate of the other. They are extra hard, solid, round and somewhat flattened on top; possess a fine, small rib and are always of the finest possible quality and a sure header.



PRICES: Pkt., 15c.; oz., 50c.; ¼ lb., \$1.75; lb., \$6.00.

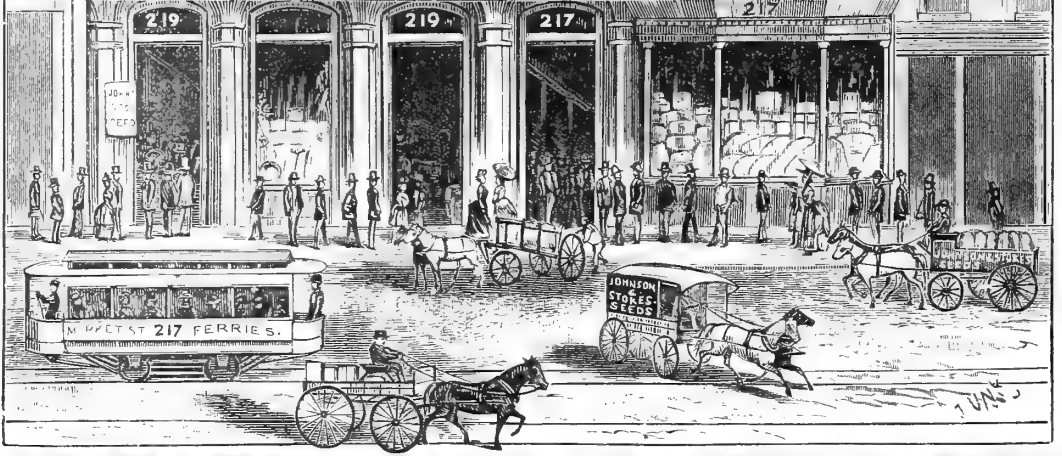
THE LARGEST SEEDS AND SEED WAREHOUSE IN THE EAST
 219 IMPLEMENTS 217

ACTUAL FLOOR SPACE OVER 48,000 SQUARE FEET

JOHNSON & STOKES

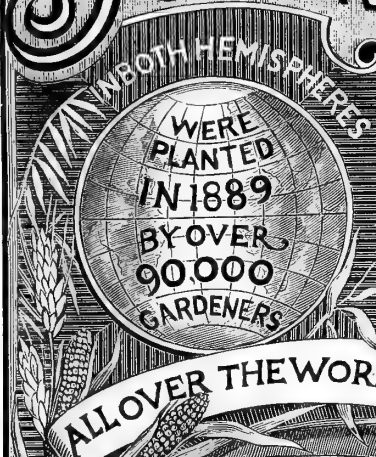
GARDEN AND GRASS SEEDS

SEEDS JOHNSON & STOKES IMPLEMENTS



Nos 217 & 219 MARKET ST. EXTENDING THROUGH TO NOS 200 & 208 CHURCH ST.

JOHNSON & STOKES



POPULAR VEGETABLE SEEDS

The CHOICEST, TESTED, AND PROVED.

IN the following pages we have endeavored to list the cream of all varieties known in America that are really worthy of cultivation, winnowing the chaff from the wheat, weeding out many varieties that are still catalogued by other seedsmen, but which our extended trials and experience have proven to us are unworthy of further cultivation. Under this head we also illustrate and describe our choice Specialties; among them will be found many valuable novelties recently introduced, to the growing of which we have given special attention; many of which cannot be obtained elsewhere. The varieties which we have printed in CAPITALS are highly recommended, many of them being improved sorts of great merit.

OUR PRICES!

It is our constant aim to make **HIGHEST QUALITY A FIRST CONSIDERATION**, and then to make our **PRICES AS LOW AS GOOD HONEST SEEDS CAN BE SOLD**. OUR PRICES, THEREFORE, will, in all cases, be found as **LOW** as those of any other **RELIABLE HOUSE** for seeds of the highest standard of excellence. OUR seeds of the highest standard of excellence. **OUR VERY BEST SEEDS THAT IT IS POSSIBLE TO PRODUCE** has increased our business to its present **LARGE PROPORTIONS**, and gained for us the largest trade enjoyed by any other house in America direct with critical market gardeners and experienced planters, who appreciate the highest quality rather than the lowest prices.

DETERMINATION to grow and distribute nothing but the **VERY BEST SEEDS THAT IT IS POSSIBLE TO PRODUCE** has increased our business to its present **LARGE PROPORTIONS**, and gained for us the largest trade enjoyed by any other house in America direct with critical market gardeners and experienced planters, who appreciate the highest quality rather than the lowest prices.

SEEDS POST-PAID BY MAIL.

guarantee to deliver them safely to your nearest post-office.

Customers ordering Vegetable Seeds by the pound, pint or quart, are entitled to deduct 8 cents per pound or pint, and 15 cents per quart, from these prices. For full instruction about ordering, please see directions to correspondents on page 1.

We aim to have our packets the largest and best filled with seed of any house in the trade. Each packet of all the leading varieties is handsomely illustrated with an engraving of the vegetable or flower in colors, with full directions for culture, etc.

In considering our prices on all Vegetable and Flower Seeds, by the packet, ounce, quarter pound, pound, pint or quart, please remember that we pay the postage and all postage prepaid, at our Catalogue prices.

LIBERAL PREMIUMS ON SEEDS IN PACKETS.

As an inducement to our customers to get their neighbors and friends to club with them in sending their orders, we will allow each purchaser of seeds in packets, to select 25 cents worth extra for each \$1.00 sent us. Thus, purchasers remitting \$1.00 may select seeds, in packets only, to the amount of \$1.25; those remitting \$2.00, to the amount of \$2.50; those remitting \$3.00, to the amount of \$3.75, and so on.

MARKET GARDENERS AND INSTITUTIONS

Wanting to purchase seeds in unusually large quantities will please write for special prices. Although we have made prices very low in this Catalogue, yet, where several pounds are wanted, we can frequently supply at a lower price than by the single pound.

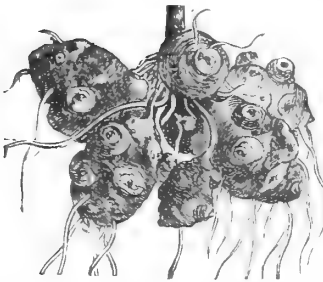


ARTICHOKE.

Large Green Globe. Pkt., 10c; oz., 25c; lb., \$2.50.

ARTICHOKE ROOTS.

Three bushels will seed an acre.



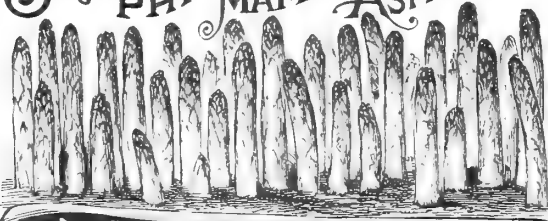
Jerusalem. This variety is not produced from seed. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog-food known and are now attracting much attention on account of their great fattening properties, great productiveness (over one thousand bushels having been grown

on an acre), and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned in on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head 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. They are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. They are well adapted to any soil where corn or potatoes can be grown. The tubers should be cut 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. To destroy them, they should be plowed under when the plant is about a foot high, at which time the old tuber has decayed and new ones are not yet formed. They can be shipped at any time during the season, as they are not injured by freezing. Lb., 35c.; 4 lbs., \$1.00, post-paid; by freight or express, peck, \$1.00; bush., \$3.00; bbl. of 3 bush, \$7.50.

ASPARAGUS.

One oz. will sow forty feet of row; 7260 roots will plant an acre.

BARR'S PHILA. MAMMOTH ASPARAGUS



EARLIEST AND LARGEST IN CULTIVATION

BARR'S PHILADELPHIA MAMMOTH.

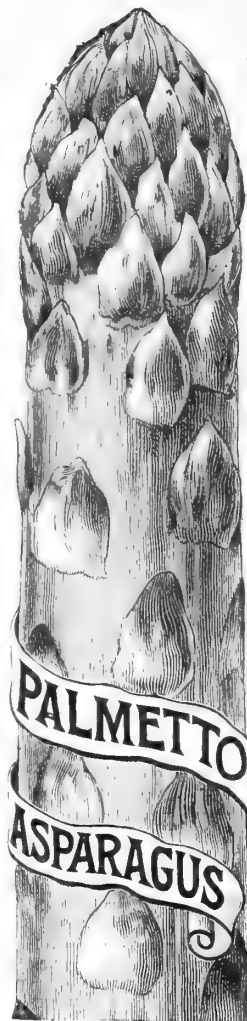
Since our introduction of this grand variety a few years since it has been almost impossible for us to grow sufficient seed and roots to fill orders, so great has been the demand. It originated about six years ago with Crawford Barr, of Montgomery Co., Pa., a prominent market gardener. Grown side by side with the Conover's Colossal, and subject to the same treatment, it comes in earlier and grows more than twice as large. It is very productive, throwing up a great number of strong, well-developed shoots throughout the entire season. It is tender to the stem, and of delicious flavor, which, together with the fact that it requires much less labor in cutting and bunching, thus lessening the expense of marketing, makes it much the most desirable of any kind yet introduced for the market gardener. It has attracted much attention in Philadelphia markets, where it is much sought after and sells at double the price of any other sort. We have seen a bunch of twenty-five edible shoots weigh thirteen pounds. It is now grown by many of the leading market gardeners of Philadelphia, Chester and Montgomery Counties with great profit. Price of seed: Pkt., 10c.; oz., 20c.; 1/4 lb., 50c.; lb., \$1.50. Price of roots: 1 year old, \$1.25 per 100 (by mail, \$1.50 per 100); \$6.00 per 1,000; 2 years old, \$1.50 per 100; \$7.00 per 1,000. (500 roots at 1,000 rate.)

PALMETTO.

Attention was first called to this new asparagus by Mr. John Nix, a large vegetable grower, of South Carolina, where it is supposed to have originated. It is now quite extensively grown by a few Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size, evenness and regularity in growth and appearance. An average bunch of fifteen shoots will measure thirteen to fourteen inches in circumference. For the past two seasons this asparagus has reached Northern markets ten days ahead of all other varieties and sold at fabulous prices, even after other varieties had come in. Although of Southern origin it is equally well adapted to both North and South.

Price of seed: Pkt., 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00. Roots: \$1.50 per 100 (by mail, \$1.75 per 100); \$7.50 per 1,000. (500 roots at 1,000 rate.)

Conover's Colossal. A well-known good productive variety. Seed: Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c. Roots: 1/4 year old, 90c. per 100 (by mail, post-paid, \$1.15 per 100); \$4.50 per 1,000; 2 years old, \$1.00 per 100; \$5.00 per 1,000 by express or freight.



NEW SEEDS FREE FOR TRIAL

We have again put up this season several thousand packages of new and improved varieties for trial, which have never yet been offered for sale by any seedsmen, and shall be glad to add a few packages, free of charge, to customers whose orders indicate an interest in new varieties of vegetables and flowers.

BEANS, Dwarf or Bush.

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

Please remember that our prices on all Beans by the pint or quart include prepayment of postage by us. If ordered to be sent by freight or express, 5c. per pint or 15c. per quart may be deducted.

BEANS, Dwarf Green Podded Sorts. LARGE PACKETS OF ANY VARIETY, 10c. EACH, POST-PAID.

NEW UNION WHITE VALENTINE. A great improvement on the ordinary White Valentine, see Novelties. **NE PLUS ULTRA.** This bean differs from all the other varieties in both dwarf and habit of growth. It is very early, growing very dwarf and compact, and producing its magnificent long pods in such great profusion as to completely hide the bush. It is very hardy, of fine delicate flavor, most productive, and excellent for forcing. Pint, 35c.; qt., 60c. **Early Red Valentine.** The well-known old standard sort. Pint, 20c.; qt., 35c., post-paid; peck, \$1.00; bush, \$3.75. **Etampes, or First of All.** One of the earliest green podded sorts, very desirable when young. Pint, 20c.; qt., 35c. **Early Mohawk.** The hardiest of the early varieties, and will endure a light frost; largely planted in the South. Pint, 20c.; qt., 35c.; peck, \$1.00; bush, \$3.75. **Refuge, or Brown Valentine.** Very productive, and will stand a slight frost; a fine string or pickling bean. Pint, 20c.; qt., 40c.; peck, \$1.00; bush., \$3.75. **WHITE VALENTINE.** A very early and prolific bearer, resembling the Red Valentine, except in color of the bean itself, which, being white, also makes a fine shell bean. Pint, 20c.; qt., 40c.; peck, \$1.25; bush., \$4.50.

BEANS (Dwarf Green Podded Sorts)—Continued.



IMPROVED ROUND POD EXTRA EARLY VALENTINE BEAN.

NEW IMPROVED ROUND POD EXTRA EARLY RED VALENTINE. This is unquestionably the very best and earliest green snap-short bean for the market gardener. It is at least ten days earlier than the Early Red Valentine, and is usually ready to pick thirty-five to forty days from the time of planting. The habit of the vine is dwarf, the pods are smooth, round, stringless and very thickly set, remaining green and tender a long time after they are fit to pull. The strain we offer will be found unusually prolific, and to hold the pods well up from the ground. Vines very uniform, making little or no top growth, setting its fruit all low on the bush, ripening very uniformly, and producing enormously. Pkt., 10c.; pint, 25c.; qt., 45c., post-paid. By freight or express, pint, 17c.; qt., 30c.; peck, \$1.25; bush., \$4.50.

Early Long Yellow Six Weeks. Hardy, prolific, and of good quality. Pint, 20c.; qt., 40c.; peck, \$1.00; bush., \$3.50.

Early China Red Eye. Of good quality, used as a string or shell bean. Pint, 25c.; qt., 40c.

BEST OF ALL. This newly introduced dwarf bean is, as its name indicates, one of the best. It originated in Germany, with round glossy pods about twice as long as those of the Valentine, very tender and succulent, and an enormous producer, very popular in the South. Pint, 25c.; qt., 45c.; peck, \$1.50; bush., \$5.00.

Broad Windsor. An English bean, valuable from its habit of ripening unequally, some pods being full while others are in various stages of filling. Pint, 35c.

BEANS, DWARF WAX SORTS.

Large Packets, 10c. each, post-paid.

GRISWOLD'S EVERBEARING WAX. A very valuable new variety, now offered for the first time. See Novelties, page 4.

IMPROVED RUST-PROOF GOLDEN WAX. See Novelties, page 14.

NEW PROLIFIC GERMAN WAX BEAN.

This is an entirely new and improved strain of the old favorite German or Black Wax Bean, originated by a large bean grower of Genesee County, N. Y. By comparative tests in our trial grounds, we find it very superior to the old strain, being much earlier and more than twice as productive. Pods, perfectly round, straighter, longer, and of an even rich golden color, see illustration opposite. Our stock is grown for us by the originator, and is entirely pure and thoroughbred. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$2.00.

NEW BLACK-EYE WAX. This is one of the earliest wax beans we have tested. It is a cross between the Golden and Dwarf Black Wax. Vines medium size, erect, bearing its pods near the centre. Leaves large, thin, quite dark green in color. Pods long, straight, rounder and of a lighter color than those of the Golden Wax. They cook quickly, both as snap and as shell beans. Dry beans, medium size, long, round, white, with black spot around the eye. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; peck, \$1.75; bush., \$6.50.

Crystal White Wax. A new bush bean with waxy, transparent pods of very rich flavor; stringless, succulent and tender; the pods, though quick to develop, are slow to harden. Pint, 30c.; qt., 50c.; peck, \$1.50.

NEW DATE WAX. An entirely new and distinct dwarf German Wax Bean. Its long, yellow, stringless pods, six to six and one-half inches long, are produced in great profusion. It is one of the earliest of the wax varieties, and a very valuable acquisition. Pkt., 10c.; pint, 25c.; qt., 50c.; peck, \$1.60; bush., \$6.00.

GOLDEN WAX. This variety is a few days earlier than the old German Black Wax; pods long, brittle, entirely stringless, of a rich golden color; as a snap, it excels most others in rich buttery flavor, while as a bean for winter use, it has few equals. Our improved and selected strain of this popular variety is pronounced by market gardeners everywhere as the very best stock they can get. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; peck, \$1.50; bush., \$5.50.

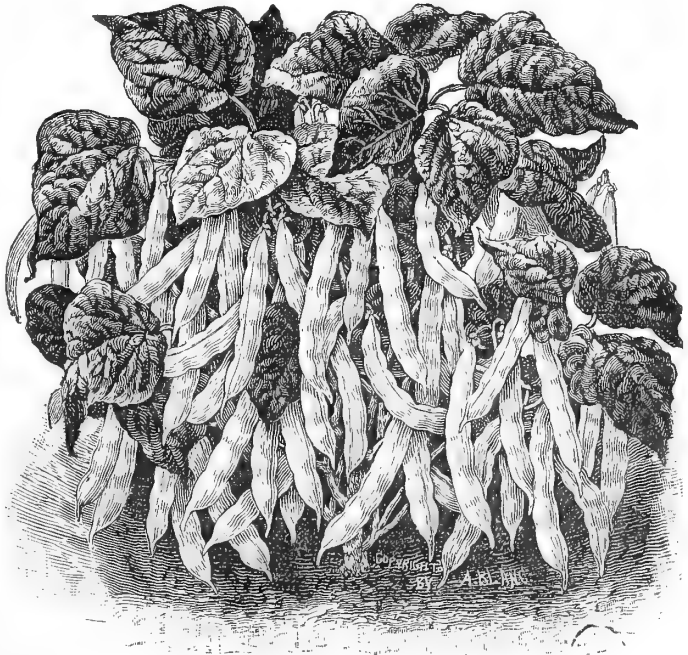
GERMAN BLACK WAX. (*Butter Beans.*) One of our best varieties; pods when fit for use are waxy yellow, tender and productive. Pint, 25c.; qt., 50c.; peck, \$1.35; bush., \$5.00.

Dwarf White Wax. Similar to Black Wax, except in color of seed. Pint, 30c.; qt., 50c.; peck, \$1.50.

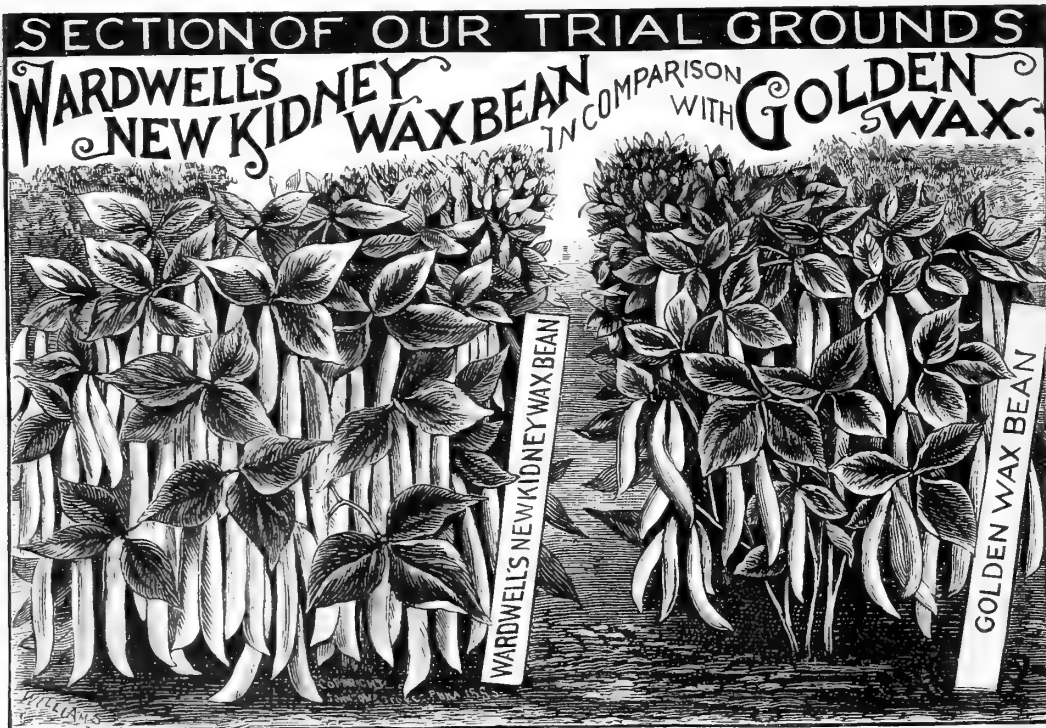
NEW DETROIT WAX. This is an early variety, the vine being very vigorous and upright in growth, very productive. The pods are fit for use about the same time as the Golden Wax, but resemble those of the White Wax in shape, although much larger and deeper yellow color. They have the remarkable quality of standing a long time after picking without rusting or other deterioration. They are very fleshy, and when cooked are very tender and of good flavor. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; peck, \$1.75.

NEW GOLDEN-EYED WAX. This new variety originated with a prominent bean grower, who writes as follows, regarding it: "I have grown it extensively this season, and its remarkable beauty and manner of growth will most certainly render it very popular. It is extremely early and vigorous, growing very rapidly, and yields a great profusion of tender, succulent pods, of a beautiful waxy appearance; its flavor is unexcelled. Pkt., 10c.; pint, 35c.; qt., 60c.; peck, \$2.25.

Ivory Pod Wax. Pods large, long, brittle and stringless. As a snap bean, it excels in tenderness and creamy flavor, and as a shell bean for winter use, it is superior to the Marrow. Pint, 25c.; qt., 45c.; peck, \$1.50.



NEW PROLIFIC GERMAN WAX BEAN. Pkt., 10c.; pint, 30c.; qt., 50c., post-paid.



WARDWELL'S EARLY DWARF KIDNEY WAX.

This new variety, introduced by us two years ago, has more than exceeded our most sanguine expectations, and has given unbounded satisfaction wherever tried. Leading market gardeners are unanimous in saying it is the earliest, hardest, most productive and salubrious yellow wax bean they ever grew.

The most valuable point, however, in its favor, is that it has not yet shown the slightest indication of rust or spot, no matter where or under what condition grown. It is greatly superior to the well-known Dwarf German Black Wax or Golden Wax sorts in every respect, being nearly a week earlier and yielding a third greater. The vines are remarkably vigorous, hardy and productive; the pods are very large, smooth and showy, and will sell when all other varieties will be refused; they are tender, perfectly stringless and of unusually fine quality. The entire pod assumes a rich golden color at a very early stage of growth—a very important feature which no other sort does. The dry beans are white, with two shades of reddish purple more or less visible, and a distinct kidney shape. Prepared for the table it has a fine buttery flavor, and is destined to become the leading snap bean, as well as a strongly endorsed winter shelled sort. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; peck, \$1.60; bush., \$6.00.

SCARLET AND VIOLET FLAGEOLET OR PERFECTION WAX BEANS.

These varieties were brought from Germany several years since; as grown there the Flageolet Wax consists of a mixture of two varieties—one with light scarlet beans, while those of the other are much darker red, or violet-colored. In character of growth of vine and pods they do not differ very materially. Both have very vigorous, strong-growing vines, bearing very large, long, flat and tender wax-like pods. Their immense size and beautiful color make them very attractive in the market. For some years a few of these beans have been offered in market, and have always commanded nearly double the price of common wax beans, and although not quite so early as other sorts, they mature in good season. The Scarlet Flageolet is a little the earlier and more productive, but the Violet has larger pods. These two varieties as offered by us are quite distinct, and have been established by years of selection. They are offered by some seedsmen under other names, as "Scarlet" and "Perfection" Wax. We recommend them as among the largest and most showy dwarf wax beans in cultivation.

SCARLET FLAGEOLET WAX. Pkt., 10c.; pint, 30c.; qt., 50c., post-paid; peck, \$2.00.

VIOLET OR PERFECTION WAX. Pkt., 10c.; pint, 25c.; qt., 45c., post-paid; peck, \$1.75.

VARIETIES FOR SHELL BEANS.

Large packets, 10c. each, post-paid.



NEW SNOWFLAKE FIELD BEAN.

NEW SNOWFLAKE FIELD. This valuable new variety, introduced two years since, has given wonderful results. It has proven very much earlier and more prolific than either the common standard Pea Bean, or Prolific Tree Bean, which it resembles somewhat in appearance. The plant grows upright, holding its pods well up from the ground. They are borne in thick clusters, as shown in the above engraving, made from a photograph, and ripen all at once, as many as eighty well-filled pods appearing on a single vine. The leaves fall off earlier than with other varieties, thus opening the pods to the sun. We believe it will eventually supplant all other varieties of White Pea Beans. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$1.75; bush., \$6.00.

VARIETIES FOR SHELL BEANS—Continued.

BURLINGAME MEDIUMS. This is the leading field bean grown in Central New York. Many thousand bushels are grown each season on the Genesee Flats, and 50 bushels to the acre is not an uncommon yield. The beans are pearly white in color and do not rust or spot. Burlingame Mediums are much sought after by dealers everywhere, and always command top-notch market prices. Pkt., 10c.; pint, 25c.; qt., 40c.; peck, \$1.25; bush., \$4.75.

PROLIFIC TREE. A valuable variety for field culture, growing about twenty inches in height, branching out in all directions, bearing its pods so high that they do not touch the ground. They have yielded at the rate of nearly one hundred bushels to the acre. They resemble the common Navy Bean, more rounded at the ends and very white, cooking in less time. Pint, 20c.; qt., 35c.; peck, \$1.10; bush., \$4.00.

Canadian Wonder, or Rose Bean. Of very dwarf habit. Pods tender and delicious, growing long, frequently fifteen inches, and producing abundantly. Pint, 20c.; qt., 35c.

BOSTON FAVORITE, or GODDARD. This new variety is destined to entirely take the place of the Dwarf Horticultural. It bears handsome large red pods, which are very tender and succulent as a string bean. It is also very valuable as a shell bean. Pint, 25c.; qt., 40c.

Dwarf Horticultural. A dwarf variety of the Horticultural Pole Bean. Pint, 20c.; qt., 35c.

Royal Dwarf, or White Kidney. Among the best as a winter bean. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.75.

White Marrowfat. Extensively grown for sale as a dry bean for winter use; excellent shelled, either green or dry. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

White Navy, or Pea Bean. A well-known standard sort for field culture. Seed white, nearly round. Very productive. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

POLE OR RUNNING BEANS.

Bear in mind that our prices on beans by the pint and quart include postage. Customers who order them sent by freight or express can deduct 8c. per pint or 15c. per quart from these prices.

NEW EVERGREEN LIMA. See Novelties, page 5. Large Packets, 10c. each.

SPECIALTIES IN BEANS.

HENDERSON'S BUSH LIMA, FORD'S MAMMOTH PODED LIMA, GOLDEN ANDALUSIA, EARLY GOLDEN CLUSTER POLE and JERSEY EXTRA EARLY LIMA. See pages 26 and 27.

NEW GOLDEN WAX FLAGEOLET. This magnificent New Wax Pole Bean, from Germany, is without doubt one of the earliest of all the Pole Wax varieties, ripening almost as early as the Dwarf German Wax. It is entirely stringless, the pods growing seven to eight inches long, round, fleshy, and of the finest quality, being exceedingly tender and succulent. The vine begins to bear when quite young, continuing to grow and bear most profusely the entire season. It is worthy of the highest praise, and we hope every customer who orders beans will include at least a packet of this new variety, as it is sure to please. Pkt., 10c.; pint, 35c.; qt., 60c., post-paid; qt., 45c.; 4 qts., \$1.50; peck, \$2.50, by express.

SALEM IMPROVED LIMA. A selection from the large Lima Bean of extraordinary size and deep green color. Pint, 35c.; qt., 60c.; peck, \$2.75.

Large White Lima. One of the best of the Pole Beans, either green or dry. Pint, 25c.; qt., 50c.; 4 qts., \$1.25; peck, \$2.25; bush., \$8.50.

LAZY WIFE'S POLE. This fine Pole Bean, introduced by us a few years since, has become a great favorite. The pods grow from four to six inches long, entirely stringless, and of a rich buttery flavor when cooked. The pods remain green, and retain their tender, rich, stringless flavor until nearly ripe. The beans are white, and are unsurpassed as shell beans for winter use. They are pronounced by all who have grown them the best green podded snap-short Pole Bean in cultivation. We cannot recommend this bean too highly. Pkt., 10c.; pint, 35c.; qt., 60c., post-paid; qt., 45c.; 4 qts., \$1.50, by express.

KING OF THE GARDEN LIMA. This new Lima Bean has fully sustained the strong claims made for it. They are vigorous growers, setting their beans early at bottom of pole, producing continuously to the end of the season. They are more prolific than the ordinary Lima, bearing their pods five to seven inches long, in clusters of four and five, with five to six beans in a pod. Pkt., 10c.; pt., 25c.; qt., 50c., post-paid; qt., 35c.; 4 qts., \$1.25; peck, \$2.25; bush., \$9.00.

Dreer's Improved Lima. Very productive and of superior quality; when green they are nearly as large as the Large Lima, thicker, sweeter, and more tender and nutritious, remaining green in the pod for a long time after maturing. Pint, 30c.; qt., 55c.; peck, \$2.50.

Carolina, or Sewee. Similar in flavor to the Large Lima, producing beans about half the size, but more productive. Pint, 30c.; qt., 50c.; peck, \$2.25.

Dutch Case Knife. One of the earliest and most productive used, shelled, green or dry. Pint, 30c.; qt., 50c.

CREASE-BACK, or BEST OF ALL POLE. A well-known and highly esteemed Southern variety. Very early and productive. Forms very full, round pods, distinctly creased along back, hence its name. Pint, 30c.; qt., 60c.

EXTRA EARLY GREEN CLUSTER. This new bean is almost as early as the Bush varieties. The pods are green while the beans are white and nearly as large as the Lima, and when cooked possess the rich flavor of that variety to such an extent that it is difficult to distinguish them from Limas. They are frequently fit for the table before Lima Beans commence to blossom. They are very productive, and continue in bearing a long time. Do not confound this variety with the Early Golden Cluster Wax Pole Bean, which is used as a snap-short. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$2.50.

SOUTHERN PROLIFIC, or KENTUCKY WONDER. A splendid, vigorous and productive variety. Pods in clusters, succulent and delicious; matures in seventy days from germination, bearing until frost. Pint, 25c.; qt., 45c.

Scarlet Runner. Clusters of beautiful scarlet flowers, for ornament and table use. Pint, 30c.; qt., 50c.

Early Maine, or Essex Prolific. A new, tender, stringless variety. Green pods. Pint, 25c.; qt., 50c.; peck, \$1.75.

French Asparagus. We imported our original seed of this variety from France, where it is most popular. The pods are tender, of a beautiful green, growing from two to four feet in length, making them also a great curiosity. Pkt., 10c.; pint, 45c.; qt., 75c.

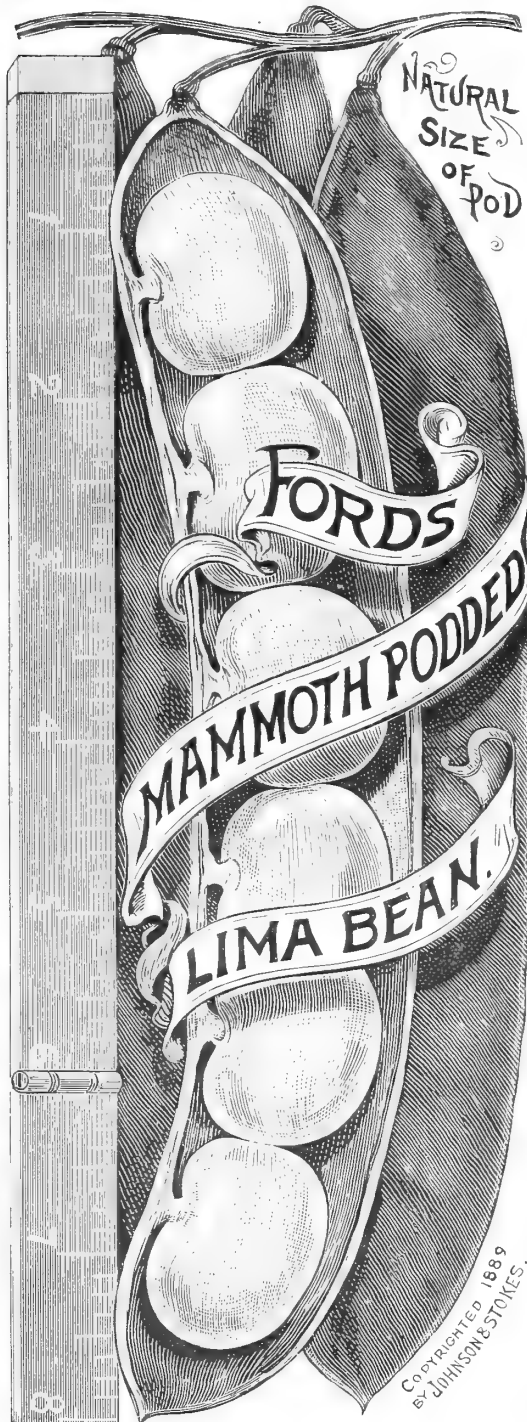
Horticultural, or Wren's Egg. An old favorite; equally good as a snap or shelled. Pint, 25c.; qt., 45c.

Giant Wax. (Red Seed.) Pods from six to nine inches long, thick and fleshy, of a pale yellow color and waxy appearance, very productive. Pint, 35c.; qt., 60c.



Pkt., 10c.; qt., 60c., post-paid.

SPECIALTIES IN BEANS



FORD'S MAMMOTH PODDED LIMA BEAN

This grand new Lima Bean, first introduced by us, is the result of over twenty years' selection, by one of the oldest and most successful market gardeners around Philadelphia, whose name it bears. No novelty we have ever offered cost us so much money to obtain seed stock, and even at the fabulous price offered Mr. Ford for his entire stock he hesitated before selling, but finally accepted our offer. Its great value can be realized, when we say from our own personal knowledge it far surpasses in mammoth size, great productiveness and fine quality, such excellent varieties as the King of the Garden, Salem Improved, and other fine sorts. The pods grow to an average length of eight inches, as shown in the accompanying engraving made from nature, and are produced in immense clusters, containing from five to seven large beans per pod, of the most excellent quality, for using either in the green or dry state. 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 absolutely, without exception, the largest, finest flavored and most productive of all Lima Beans. Seed very scarce. Pkt., 20c.; pint, 75c.; qt., \$1.25, post-paid.



HENDERSON'S NEW BUSH LIMA BEAN.



Henderson's • New • Bush • Lima • Bean

This valuable vegetable novelty was offered to the public for the first time last spring by ourselves, simultaneously with our friend, Peter Henderson.

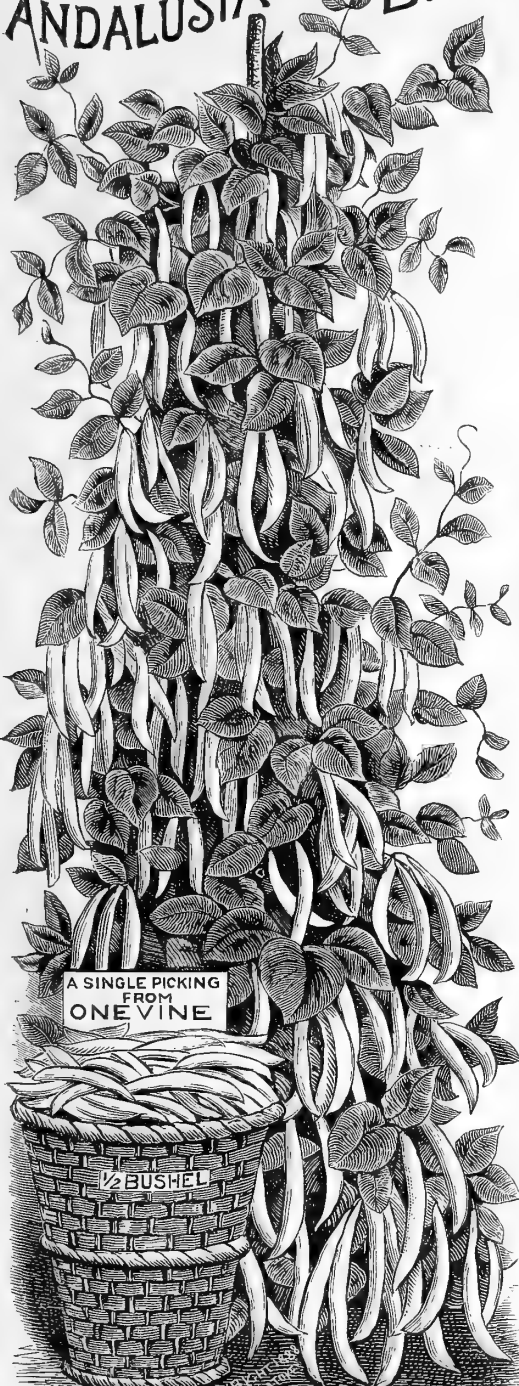
Thousands were deterred from cultivating the most delicious of vegetables—the Lima Bean—from the great trouble and expense of procuring poles on which to grow them. This is now a thing of the past, as the *New Bush Lima* grows without the aid of stakes or poles, in compact bush form, from fifteen to eighteen inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans.

The *New Bush Lima* is at least two weeks earlier than any of the climbing limas and produces a continuous crop from the time it comes into bearing until frost, and being enormously productive, a very small patch will keep a family supplied throughout the season. The beans are of the size of the Sieva or Southern Lima and as before stated of delicious quality. Pkt., 15c.; 2pkts., 25c.; pint, 75c.; qt., \$1.50, post-paid.

NEW GOLDEN ANDALUSIA BEAN

NEW GOLDEN ANDALUSIA WAX BEAN

This new bean, named and introduced by us two years since, has created a decided sensation among bean growers. Nothing we have ever introduced has brought us so many unsolicited letters of the strongest praise from all parts of the United States, only a very few of which we have room to publish below. Hundreds pronounce it emphatically the most valuable pole variety ever offered. It originated at Andalusia, Bucks County, Pa., with a celebrated bean grower. Our illustration, made from nature, gives some idea of their wonderful productiveness, it being nothing unusual to pick one-half bushel to three pecks from a single vine at one picking. The pods are five to six inches long, broad, thick, very fleshy and entirely stringless, far surpassing all other varieties in this respect, and retaining these important qualities until almost ripe. The pods when fully grown are from five to six inches long, exceedingly rich, buttery and fine flavored when cooked. The vines cling well to the poles, a very important feature, as on account of their enormous productiveness, the weight of a vine filled with such a mass of large pods is very great. They commence bearing their magnificent pods in great abundance when the vines are quite young, and continue to bear profusely the entire season. The beans when dry, are round as a bullet, pure white in color, and also make a fine shell or winter bean. In great productiveness, fine quality and ever-bearing character they stand unequalled by any other pole bean in the world. Large pkt., 15c.; 2 pkts., 25c.; pint, 60c.; qt., \$1.00, post-paid; qt., 85c.; 4 qts., \$3.00, by express.



SWEEPS THE MARKET.

DAVID A. RAEMBY, Martinsville, Ind., Sept. 9, 1889, writes: "I have had many garden seeds from different firms, but yours excel all others in purity and greatness of growth. The Andalusia Bean is sweeping the market here. I sell them readily at 40 cents per peck. I had hills from which I picked off one single shoot from a half bushel to three pecks."

BEST HE EVER SAW.

L. N. WATSON, Liberty, Montgomery Co., Ohio: "Your New Golden Andalusia Beans are without question the most beautiful and best bean I ever saw or tasted."

A PERFECT WONDER.

W. T. RICHEY, Dempseytown, Pa., writes: "The Golden Andalusia Bean I think is a perfect wonder; they excel any bean I ever raised."

FAR SURPASSES ANY OTHER.

L. A. WALKER, Belknap, Ill., writes: "The Golden Andalusia far surpasses any bean I have ever seen for productiveness, quality and fine flavor."

EARLY GOLDEN CLUSTER POLE BEAN

This new variety leads all other pole varieties in earliness. It is distinct in seed, color and habit of growth. The pods retain their tenderness and plumpness long after the beans have attained a large size, so that only a few days elapse after they cease to be fit for string beans before they are fit to shell. The pods are a beautiful waxy yellow, and are from six to eight inches long, borne profusely in clusters of four to six. Commencing to bear ten days after the Dwarf Golden Wax, it continues to produce an abundance of pods until frost sets in. Pkt., 10c.; pint, 30c.; qt., 55c., post-paid; qt., 46c.; 4 qts., \$1.40; peck, \$2.50, by freight or express.

JERSEY EXTRA EARLY LIMA BEAN.

Three years' careful comparative tests by several of our most prominent Lima Bean growers has proved this selection to be fully ten days or two weeks earlier than any other. The pods are large and numerous, invariably having from five to six beans of a pleasant shade of green in each pod. These beans for the past two seasons have appeared in Philadelphia markets about two weeks ahead of all other Limas, selling at from \$3.00 to \$4.00 per bushel of pods. We advise all our customers who want a "profitable thing" in Lima Beans to plant this sort largely. Pkt., 10c.; pint, 35c.; qt., 60c., post-paid; qt., 45c.; 4 qts., \$1.50; peck, \$2.75, by express or freight.

MOST PRODUCTIVE OF ALL POLE BEANS.

Pkt., 15c.; 2 pkts., 25c.; pint, 60c.; qt., \$1.00, post-paid.

BEETS.

One ounce will sow sixty feet of drill; five lbs. will sow an acre in drills.

Please remember our prices are for seeds post-paid by mail. If ordered by freight or express at purchaser's expense, 8c. per pound should be deducted.

MITCHELL'S PERFECTED EARLIEST RED TURNIP BEET. The very earliest in cultivation. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50. See Novelties, page 12.

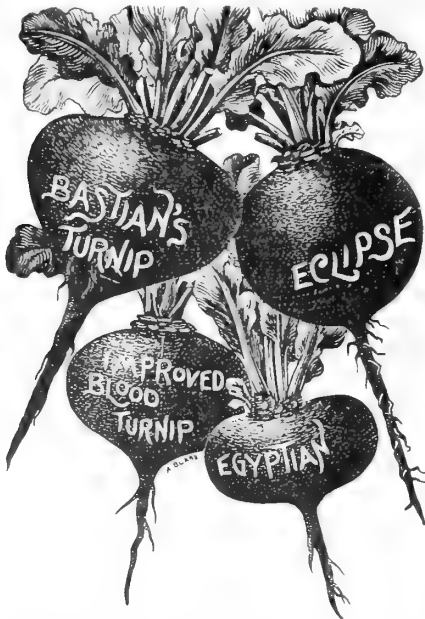
EDMAND'S EARLY TURNIP. This is a handsome Red Turnip Beet, grown quite largely around Boston. Root smooth and foliage very small. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

ECLIPSE. This variety, originally from Germany, is a great acquisition to our list of turnip beets. Much of the imported seed sold in this country has been badly mixed. We are glad to say, however, that we have always grown it in its original purity, and our seed has always given the greatest satisfaction among our market gardeners. It is as early as the Egyptian, and much more desirable, owing to its globe shape, great smoothness and regularity, having a firm small top, very sweet, flesh fine and dark blood color. It is very desirable for market gardeners on account of its extreme earliness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EXTRA EARLY EGYPTIAN BLOOD TURNIP. A standard sort, ten days to two weeks earlier than the old Blood Turnip. Owing to smallness of the top it can be planted very close. It is of fair quality and medium size; fine for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Improved Early Blood Turnip. A selected strain, and one of the best; blood red, tender, and a good late keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

BASTIAN'S EXTRA EARLY RED TURNIP. Profitable for the market gardener; very early, of quick, large growth; fine turnip form, and bright red color. Pkt., 5c. oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



ACME SECOND EARLY. A new variety of handsome, round shape, the skin and flesh is very deep blood red in color, and exceedingly sweet and tender in quality. The beets grow regularly of good marketable size. It has a medium short top, the leaves, like the beet, are of a very dark red, shading at times to almost a black color. It is not only valuable for second early, summer and autumn use, but it is a pre-eminently fine sort for planting in July, to be kept in pits for winter and early spring sales. No market gardener who caters for local trade can afford to be without this highly valuable new sort. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Dewing's Extra Early Red Turnip. Of good form and flavor. Flesh and top deep blood red, an excellent early or winter variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

BASTIAN'S HALF-LONG BLOOD. In color, shape and size it is all that can be desired in a beet; a favorite variety for winter use, and largely planted by market gardeners. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.



LENTZ'S EXTRA EARLY BLOOD TURNIP. We were the first to offer this valuable variety to the public. It originated with the Lentz family, who are among the best market gardeners about Philadelphia. They have carefully kept the seed among a few, to whom it has been a source of great profit. We recommend it as containing all the valuable essentials of an early beet. It is fully as early as the Egyptian, but larger and of better quality, of fine, dark red color, tender and sweet at all times, whether old or young. It has a very small top, and will produce a crop in six weeks from time of planting the seed. It is very productive and a perfect keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Extra Early Bassano. Prized for its earliness; flesh white and rose, very sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

GEM HALF-LONG BEET. This new variety has many valuable and distinct points of merit not possessed by any other existing sort. The color is several shades darker red than the well-known Half-Long sorts. The root will average about eight inches in length, is of a very handsome olive-shape and perfectly smooth. Market gardeners say their customers will take no other after they have once tasted this sort, so sweet and delicious is the quality. It is also earlier than any other half-long sort in cultivation. Seed scarce. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

PHILADELPHIA PERFECTION. This new variety is the result of several years critical selection by a prominent market gardener; of half-long shape, deep blood red color, with a deep, rich, crimson foliage, fine grained, tender, sweet, juicy. It is of very quick growth, and is not only good for early use, but also for fall and winter, being an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Logg Blood Red. A good late variety for fall and winter use; sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 45c.

Swiss Chard, or Silver. Cultivated for its leaves; the mid-rib is stewed and served as asparagus, and the other portions of the leaf as a spinach. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c. lb., 75c.

MANGEL AND SUGAR BEETS.

STOCK-FEEDING VARIETIES.

The attention of farmers to the growing of roots for feeding stock is rapidly increasing, and their great value cannot be overestimated. The wonderful results are plainly shown in the health and general condition of the animals, and the increased yield of milk in cows.

They should be sown from April to June, in drills two feet apart, and afterward thinned out to stand one foot apart in the rows. Keep well cultivated, and you will have an abundant crop of roots for winter use.

From five to six pounds of seed required to the acre. In quantities of five pounds and over, by freight or express, 15 cents per pound may be deducted from prices here given.

CARTER'S MAMMOTH PRIZE LONG RED MANGEL. A celebrated variety, sometimes called *Jumbo* and *Colossal*. It is grown extensively for agricultural purposes, producing large roots, partly above ground. A very heavy cropper, frequently producing forty to fifty tons to the acre; growing enormously in size, but of fine texture and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c., post-paid; 5 lbs. and over, by express, 35c. per lb.

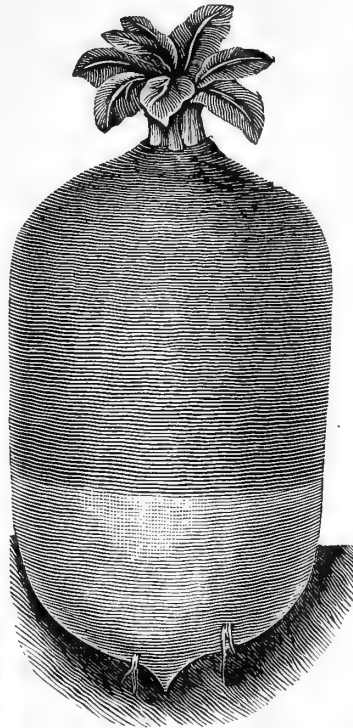
NEW MAMMOTH MANGEL

CHIRK CASTLE.



THE CHIRK CASTLE MANGEL.

Our attention was first called to this prodigious variety a few years since, while visiting Scotland. We were at first inclined to doubt the statements of the Scotch farmers regarding the enormous weights and yields of this variety, but on our return to Scotland, after visiting the continent, six weeks later, we found them harvesting the crops, and to our astonishment these statements were fully verified. We saw hundreds of specimens taken from the field, weighing over sixty lbs. each, while whole crops averaged thirty-eight to forty lbs. per root, producing a yield of over sixty tons to the acre. We immediately secured seed stock and arranged with an English grower to plant it. The length is about the same as Carter's Mammoth Long Red, but it is remarkable for its massive shape and broad shoulders, its diameter being more than twice as great, and its weight very much heavier than this celebrated variety. The flesh is red, of very fine texture and quality, containing less water and more sugar than any other mangel, making it more nutritious and milk-producing, enabling the Scotch dairy farmers to obtain a higher price per gallon for milk from cows fed on this mangel. Their sheep also thrive better when fed on this variety, picking out pieces of it in preference to other kinds when feeding. We consider this variety by far the most valuable and profitable of all the stock-feeding beets yet introduced. Per pkt., 10c., oz., 15c.; ¼ lb., 35c.; lb., \$1.00, post-paid; 5 lbs., (enough for one acre), \$4.25, by express or freight.



NEW GOLDEN TANKARD MANGEL.

NEW GOLDEN YELLOW MAMMOTH MANGEL. A distinct and valuable new German variety, being a cross between Golden Tankard and Long Yellow. In form and size it resembles Carter's Red Mammoth; the flesh, however, is a bright golden yellow, of fine quality and exceedingly rich in saccharine matter; a heavy cropper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

GOLDEN TANKARD MANGEL. A distinct, new and valuable yellow-fleshed variety, said to contain a large percentage of sugar. It has already taken the lead of other varieties in England, and is more relished by milch cows and sheep than any other. In shape it is broader than the Long Red, but not so long; exceedingly hardy, and maturing earlier than other large sorts. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c., post-paid; 5 lbs. and over, by

express, 35c. per lb.

NEW GOLDEN YELLOW INTERMEDIATE MANGEL. This new French variety is a great improvement over the old Yellow Intermediate, being much larger and more even in shape. It grows more than half above ground with fine neck and large leaves. We consider it a valuable acquisition. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

NEW KINVER YELLOW GLOBE MANGEL. Grows somewhat longer than the Golden Globe. Skin and flesh are very smooth and fine. It is enormously productive and of superb quality, much relished by all kinds of stock. Roots of this variety have been grown to weigh forty-five pounds. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.; 5 lbs., \$1.50.

CARTER'S CHAMPION WARDEN ORANGE GLOBE MANGEL. The best Yellow Globe in cultivation; orange-yellow root of large size and fine nutritive qualities, growing partly above ground; succeeds well on light land. Of beautiful shape, neat top, fine, clear skin, and of choice quality; a sure cropper and excellent keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.; 5 lbs., \$1.25.

Long Red Mangel. Not as large as Carter's, but similar in quality. Pkt., 5c.; oz., 10c.; lb., 40c.

Yellow Ovoid Mangel. Skin of a deep yellow color, and on account of its shape, being between the Long and Globe varieties, will surpass either, bulk for bulk. It is very nutritious, rich in saccharine matter, and productive. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

Golden Globe Mangel. A round variety; keeps and produces well, and a sure cropper, succeeding well on light land. Pkt., 5c.; oz., 10c.; lb., 40c.

Red Globe Mangel. Similar to the Golden Globe, except in color; an excellent variety. Pkt., 5c.; oz., 10c.; lb., 45c.

LANE'S IMPROVED IMPERIAL SUGAR BEET. An improvement on the French Sugar Beet. Recommended as hardier, more productive and containing a greater percentage of sugar. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.; 5 lbs., \$1.50.

Vilmorin's Improved White Sugar Beet. An improvement on the old White Sugar, containing a much larger percentage of sugar. Pkt., 5c.; oz., 10c.; lb., 60c.

Silesian, or White Sugar Beet. Large size and grows considerably above the ground; fine for feeding. Cultivated in Europe for its sugar. Pkt., 5c.; oz., 10c.; lb., 40c.; 5 lbs., \$1.25.

BROCCOLI.

Early Purple Cape. Best for the North, producing compact brownish-purple heads. Pkt., 10c.; oz., 40c.

Early Walcheren. Very large. Pkt., 10c.; oz., 60c.

BRUSSELS SPROUTS.

Perfection. Producing compact sprouts of fine quality. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., 1.40.

RELIABLE CABBAGE SEEDS

SELECTED AMERICAN GROWN STOCKS.

THAT MARKET GARDENERS CAN DEPEND UPON.

There is nothing of greater importance to the market gardener than reliable cabbage seeds. We need say nothing to those who have purchased our cabbage in former seasons, as to them its high quality is already known. To those who have never tried us, we can only say that our cabbage is all home grown, and every grain of seed produced in from carefully-selected heads, and our stocks are unsurpassed in this country. We annually supply hundreds of the best market gardeners around Philadelphia, New York and other large cities of the Union. This fact alone is an evidence of high quality.

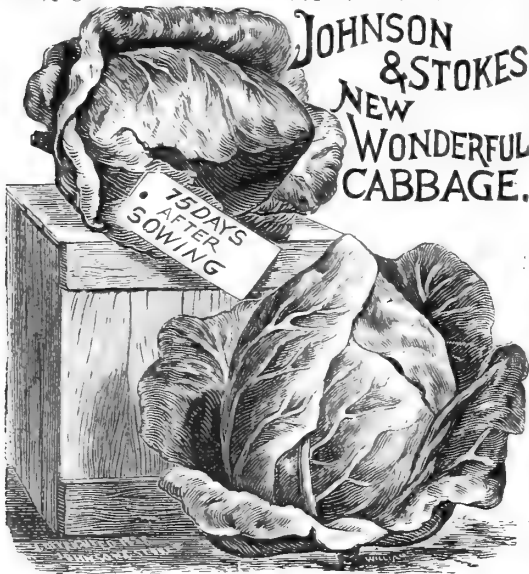
CABBAGE.

One ounce of seed will produce about two thousand plants and sow a bed of about forty square feet.

Early and Summer Varieties.

JOHNSON & STOKES' MARKET GARDENERS' CABBAGE No. 2. The Best Second early or summer sort, equally as good for late or winter. See Novelties, page 13. Pkt., 20c.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

LOUDERBACK'S ALL-YEAR ROUND CABBAGE. Extra fine; offered this season for the first time. See Novelties, page 2. Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.



JOHNSON & STOKES' WONDERFUL.

When we introduced our now famous **Johnson & Stokes' Earliest Cabbage** some years ago, we thought we had reached the top of the ladder of extreme earliness in the cabbage family. Encouraged by the phenomenal success of that variety, our motto always being "onward," induced us to try again and, by persistent selection for several years of the very earliest heads of that variety, we have produced a new and improved strain of our celebrated cabbage, which produces fair-sized, good, marketable heads in seventy-five to eighty days from sowing the seed, and outdoes it in earliness by six to ten days. This makes our **New Wonderful Cabbage** more than two weeks ahead of any known variety, except **Johnson & Stokes' Earliest**. Market gardeners can, of course, realize what a bonanza this is to the pocket-book of a cabbage grower, in the spring markets. It does not, of course, form quite so large or solid a head as our **Earliest**, but in all other respects it fully equals it. It has few loose outer leaves, and every plant forms a good head. The head is well depicted in our illustration, taken from nature. It will produce a larger crop than any other variety, from the fact that it can be planted closer together. For want of a more expressive name we have called it our **Wonderful Cabbage**, and believe that every customer who plants it will agree with us in pronouncing it a perfect wonder. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.



Early Winningstadt Cabbage (Prussian Prize Stock).

EARLY WINNINGSTADT, THE PRUSSIAN PRIZE STOCK. Many consider the Early Winningstadt the very best for early market sales, as it invariably grows very hard and will head on soils where many other sorts fail entirely. Reliable stock is hard to get, as seedsmen usually import it from England and France. The seed we offer, however, is *American-grown*, acclimated and selected from the original *Prussian Prize Stock*. Those intending to plant this variety will find this strain far superior in earliness, size, solidity and great uniformity of heading to any other ever sold in this country. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

EARLY BLEICHFIELD GIANT. It is seldom we are able to recommend a new foreign cabbage as highly as this variety. Since its introduction a few years since it has grown very popular with market gardeners as a second early and summer sort. It is a short stemmed, large heading sort, tender and solid, ripening a few days earlier than Brunswick. Cabbage growers in all sections should not fail to give it a trial. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

VERY EARLY ETAMPES. This variety, comes originally from France, where it is the earliest variety grown. Ripening a week later than **Johnson & Stokes' Earliest**, and coming in a few days ahead of **Wakefield**, which, previous to the introduction of **Johnson & Stokes' Earliest**, was considered the earliest of all. It forms a good, hard, pointed head, with a very short stem, growing close to the ground. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Drumhead. A favorite with market gardeners; a second early, large, solid-heading variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

EARLY PEERLESS. A variety almost as early as **Jersey Wakefield**, forming much larger heads, very uniform round shape, fine grained and tender, has few outer leaves. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

FOTTLER'S IMPROVED EARLY BRUNSWICK. A splendid second-early and late sort; short stem, large, solid heads. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

Early Dwarf Flat Dutch. A standard second early market variety, and has no superior, producing large, fine heads. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

The following well-known varieties of cabbage are each 5c. per pkt.; 15c. per oz.; 40c. per $\frac{1}{4}$ lb.; \$1.40 per lb.:

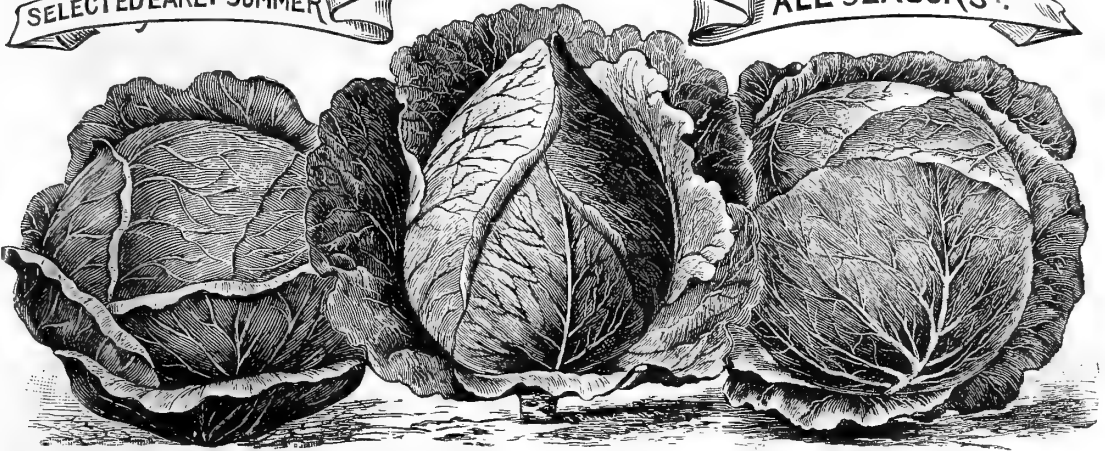
Extra Early York, Early Sugar Loaf, Imperial Ox-heart, Large Early York, Early Bacalan, Early Large Schweinfurt.

Three Good Summer Cabbages

SELECTED EARLY SUMMER

NEW LARGE JERSEY WAKEFIELD

ALL SEASONS



New Large Early Jersey Wakefield Cabbage.

Our experience with this during the last four years shows it to be about five days later than Early Jersey Wakefield. The heads are fully one-half larger and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorable opportunity for cutting. No market gardener should fail to plant some of this valuable sort. See cut. Pkt. 10c; oz., 35c; ¼ lb., 90c; lb., \$3.50.

Johnson & Stokes' Selected Early Summer Cabbage.

The illustration above gives the true shape and compact habit of our strain of this valuable sort. It is ten or twelve days later than the Early Jersey Wakefield, but much larger in size, and will stand on the ground much longer without bursting open. In this respect it is much superior to Fottler's Brunswick. While the heads are much larger than the Early Jersey Wakefield, its very compact habit enables it to be planted almost as close. The heads are very hard and solid throughout, and of fine uniform shape. For an early summer crop, this variety is much superior to the Early Summer Drumhead offered by many. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$3.00.

All-Seasons Cabbage.

This new strain of Early Drumhead Cabbage we first offered to the public three years since, under the broad claim of being about as early as the Early Summer and growing much larger. Many of our best market gardeners write us that they find our claims are fully substantiated in every particular. As its name indicates, it can be planted at all seasons. It forms a fine, large, hard head, of superior quality, not bursting after heading; the heads are of great thickness, which make it a capital sort to keep through the winter. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.



SELECTED EARLY JERSEY WAKEFIELD CABBAGE.

EXTRA STOCK.

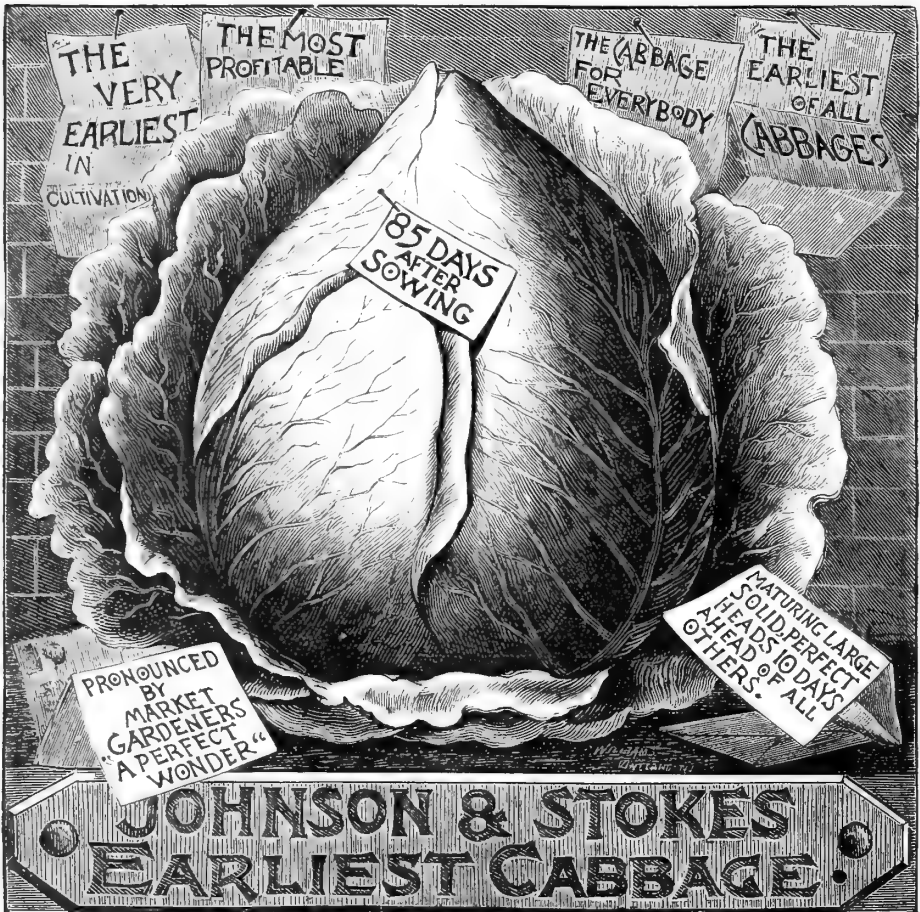
This variety is a most important one, because it is planted for the main early crop, and recognizing the great interests at stake with the growers of this sort, we have been unusually careful in selecting the stock from which our seed was grown. While it is not so early as *Johnson & Stokes' Earliest* and *New Wonderful*, it will be found to be the very best sort to come in immediately after them. We offer the very finest strain of this valuable variety. Many of the leading market gardeners around Philadelphia, New York, Boston and elsewhere pronounce it "the very best they can get." See testimonials on succeeding pages. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$3.00.



SELECTED EARLY JERSEY WAKEFIELD CABBAGE.

THE GREATEST OF ALL EARLY CABBAGES

IF YOU WANT TO MAKE MORE MONEY THAN EVER THIS YEAR GROWING CABBAGE, SOW JOHNSON & STOKES' EARLIEST.



Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00, post-paid.

JOHNSON & STOKES' EARLIEST CABBAGE.

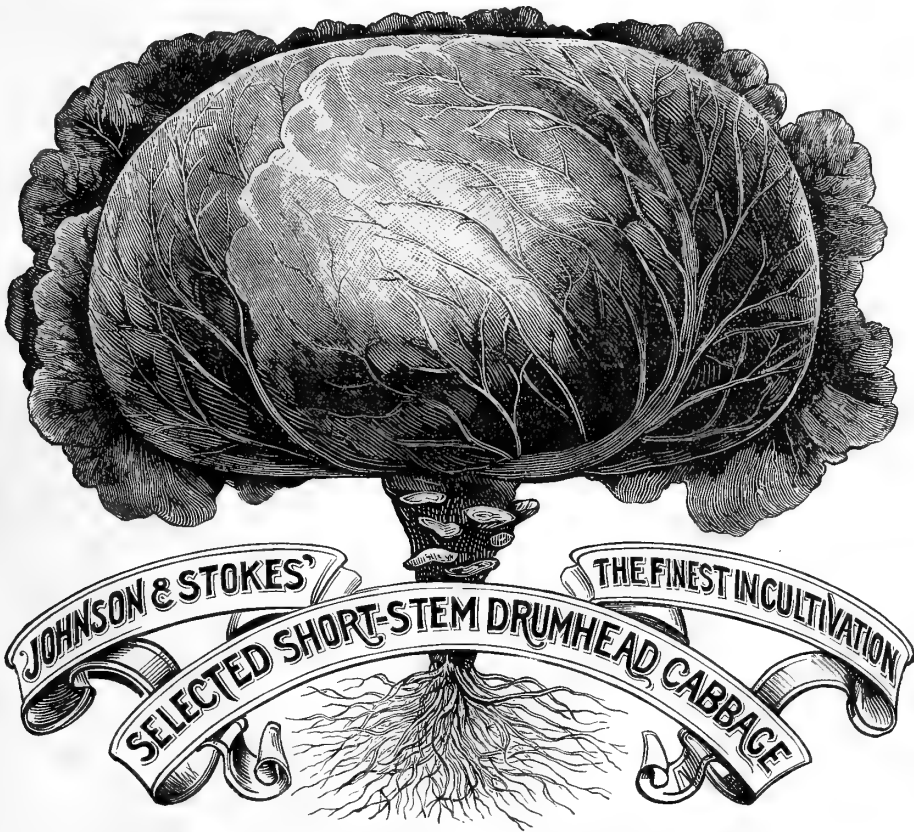
NOW IN THE SIXTH YEAR OF ITS GREAT POPULARITY, WITH DEMAND GREATER THAN EVER BEFORE.

This now famous variety gives us greater satisfaction than any of our new introductions, and no one can possibly be disappointed with it. The demand for the seed the past three years has been really marvellous. We have supplied it to more than 5,000 market gardeners, among them some of the largest growers of cabbage in the U. S., and have received several hundred letters pronouncing it the *most profitable cabbage* they have ever grown. The demand from small family gardeners alone reached the enormous total of 56,800 packages the past three seasons, and we doubt if there has ever been a novelty introduced in America which has given such *universal satisfaction*, and been so highly commended in every particular, and in all sections. It is *ten days earlier* than Early Jersey Wakefield and French Etampes, which have heretofore been considered the earliest of all cabbages, and is *unsurpassed in fine quality, great beauty and vigor of growth*. Above engraving, made from a photograph, shows its exact shape, which is *lightly conical, and remarkably large and solid*. It has very few outer leaves, and will produce a greater crop, on the same area of ground, than any ordinary variety, from the fact that it can be planted *closer together*. It is by all odds the most desirable early cabbage ever introduced. No words of praise can be written that would recommend this most valuable cabbage too highly. Prices for 1890: Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00, by mail, post-paid.

C. H. WATERS, Saginaw, Mich., Sept. 28, 1889, writes: "Of all the cabbage seed bought of you, the Johnson & Stokes' Earliest is the finest. I sowed it three weeks later than my competitors and it was on the market ten days ahead of them all and finer than any following. My Atlantic Prize Tomatoes were ten days in advance of others, and I received \$2.50 per bushel for them. My plants were started three weeks later than my neighbors, owing to my being away from home till the first of April. The cabbage crop in this locality is practically a failure, but mine is a good one, and I will clear on my two acres of late cabbage \$350. Every plant made a good solid head, weighing 20 lbs. and upwards. These varieties are your Short-Stem Drumhead and Matchless Flat Dutch. After cutting the first heads off of J. & S. Earliest there was a second crop, growing good heads."

GEO. COLLINS, Wilmington, N. C., April 8, 1889, writes: "I cannot refrain from writing a few lines in praise of your J. & S. Earliest Cabbage. I took but half a pound of your seed to try, and I can faithfully say it would have made a difference of hundreds of dollars if my entire crop had been of your variety. I may safely say that there were 95 good solid heads from every 100. No other cabbage will bear any comparison to them. I have drawn several of my neighbors' attention to them and they all bear me out in my assertions. Every one who sees them asks 'What variety is this?'"

WM. ANDELL, Johns Island, S. C., writes: "I am just winding up shipping my early cabbages (15 acres), and wish you to know that I had one acre of your Johnson & Stokes' Earliest cabbage planted which turned out far better and earlier than all the others; all made good solid heads, low to the ground. I am so well pleased that I cannot help letting you know. As it will be our best cabbage in future, I want 10 lbs. for myself and my neighbors."



JOHNSON & STOKES' || SHORT-STEM || DRUMHEAD CABBAGE

This improved variety *far surpasses* the old strain of Large Late Drumhead Cabbage, ripening *earlier*, with very short stock or stem, forming *larger and thicker* heads, of fine quality and the best of keepers. Owing to our long continued selection for several years past, this variety is remarkable for *reliability of heading*; every one who plants it can expect at least ninety-eight large solid heads from every one hundred plants. Our customers in the South, and in all other sections where many varieties fail to head, will find the Short-Stem Drumhead a sure thing and can depend on big crops every time. It *heads the list* of the winter Drumheads. Pkt., 10c.; oz., 35c.; 2 ozs., 60c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00, post-paid.

CABBAGE.—Late or Winter Varieties.

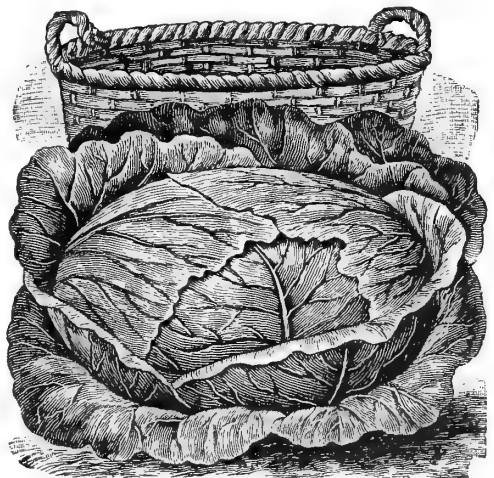
NEW DIAMOND WINTER. See Novelties, page 19.

GENUINE SURE-HEAD. This popular cabbage is rightly named Sure-Head, and never fails to make a remarkably fine, solid, large head, with few outer leaves, as shown in our illustration. It originated some years since with a practical gardener, by crossing the Flat Dutch and Drumhead varieties, and has always brought the highest price in our markets. It is a strong vigorous grower, ripening late for a main crop, and very uniform in size and color. Our supply is grown from the *original seed*, none better to be had at any price. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BRIDGEPORT DRUMHEAD. This is the standard shipping cabbage around Chicago, where local growers will raise no other, and have paid as high as \$20 per pound for the seed in seasons when scarce. It makes a large, even, firm, round head, seldom rots or bursts, and is unquestionably one of the finest shipping cabbages grown. *Extra selected seed.* Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

PREMIUM FLAT DUTCH. This variety is largely grown for late or main crop, being the favorite winter market variety. Heads very large, solid and broad, with flat tops, of fine flavor and quality; very short stems. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00; 5 lbs. and over, by express, \$1.75 per lb.

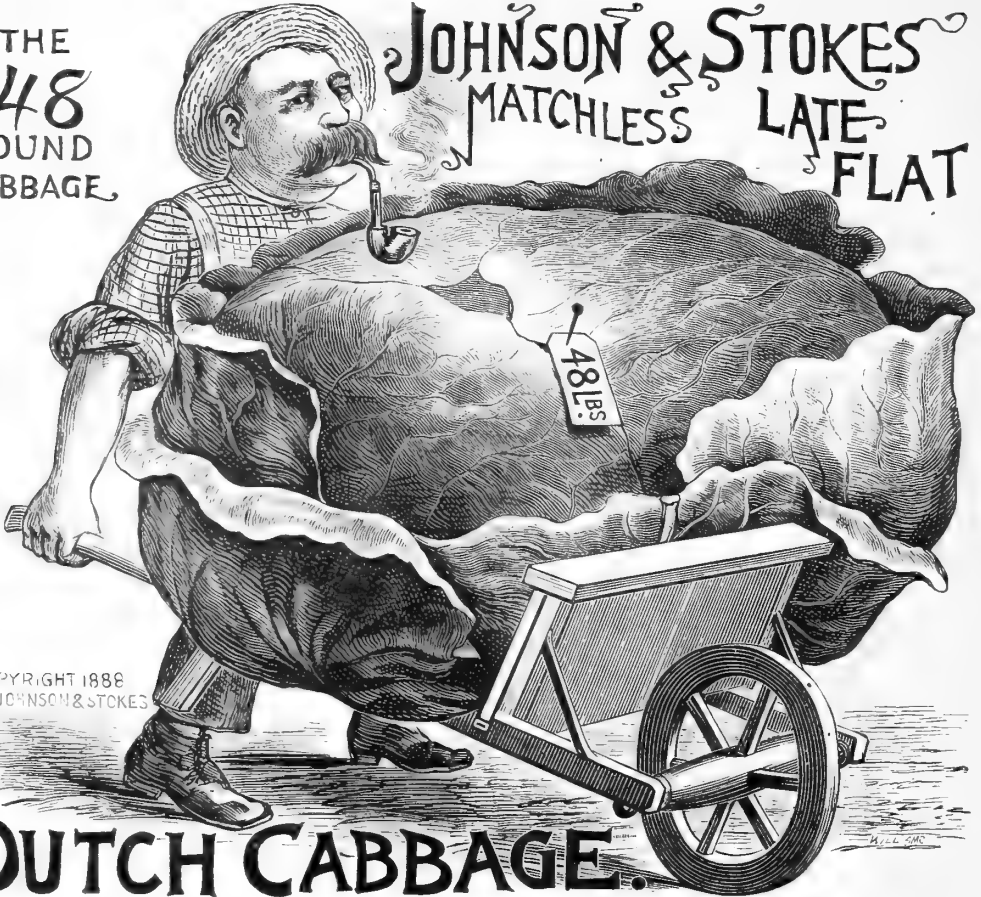
LARGE LATE DRUMHEAD. A favorite winter variety; extra large, solid heads; slightly later than the *Flat Dutch*. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75; 5 lbs., and over, by express, \$1.50 per lb.



GENUINE SURE-HEAD CABBAGE.

THE
48
POUND
CABBAGE.

JOHNSON & STOKES
MATCHLESS
LATE
FLAT



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BY JOHNSON & STOKES

DUTCH CABBAGE.

Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00, by mail, postage paid.

JOHNSON & STOKES' MATCHLESS LATE FLAT DUTCH CABBAGE.

In this new strain of late cabbage, we believe we have combined every good quality essential to perfection. It is the result of several years' continued selection for our seed stocks of the most perfect and largest heads, with low stocks, and especially those that show greater earliness in heading, with few outer leaves, and of very uniform color. By such persistent selection, year after year, we have a highly improved strain, pronounced by experienced cabbage growers and market gardeners, who, after three years' trial, now grow it in preference to all others for a main crop, the finest strain of late cabbage in the world. It grows larger and weighs heavier than any other variety, never fails to make a perfect, solid head, and is most uniform in size and color. We can honestly recommend this superior sort to all growers as standing alone and unequalled by any other late cabbage. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00, post-paid.



CANNOT BE EQUALLED.

A. M. SHOOP, Hunter's Run, Pa., writes: "I was more than pleased with the seeds bought of you last spring, especially your Matchless Late Flat Dutch Cabbage, which I am sure cannot be equalled."

BEST OF SIX LEADING VARIETIES.

C. C. BALL, Ramey, Pa., writes: "Your Matchless Late Flat Dutch Cabbage was the very best in a lot of six leading varieties of cabbage."

BEST HE EVER RAISED.

E. DRAKE, Old Forge, Pa., writes: "Your Matchless Flat Dutch and Short Stem Drumhead are the best late cabbages I have ever raised."

ROYAL DRUMHEAD. This splendid variety, from Germany, has already become a standard late sort among market gardeners. It grows a beautiful, solid, round, compact head, with bright green foliage and short stem, ripening a few days earlier than our Premium Flat Dutch. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Marblehead Mammoth Drumhead. The largest variety grown. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Stone Mason. A large, solid, tender, free-heading variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Filderkraut. A German variety, with large, solid, conical heads. In Germany it is much used for making sauerkraut. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Green Glazed. A late, large-heading variety, leaves of a glossy pea green; very popular South, as it resists attacks of bugs and insects. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Green Curled Savoy. This does not make a solid head, but being very tender is used for boiling. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

RED DUTCH ERFURT. Very early, of deep blood color, head solid. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large Red Drumhead. Valuable for pickling. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

VANDERGAW MIDSUMMER CABBAGE.

This valuable new variety is the result of many years' selection by Mr. Vandergaw, a noted Long Island market gardener. In some respects it resembles "All-Seasons," coming in about a week after Early Summer, making much larger heads than that well-known variety. Heads are very uniform in color, and size, very solid, and in quality is all that could be desired in a midsummer and winter cabbage. Long Island cabbage growers have been annually paying Mr. Vandergaw \$10 per pound for the seed, and it has never been offered before this season at a less price. Pkt., 15c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

SAVOY CABBAGES.

LEE'S SAVOY. This is unquestionably the best strain of Savoy Cabbage to be had. The heads are large, of a very deep green color, very curly and sure to head, keeps well and retains its color until very late in the season. Every plant will produce a very hard head. It is the best selling market variety we know of, owing to its exceptionally fine quality and handsome appearance. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$4.00.

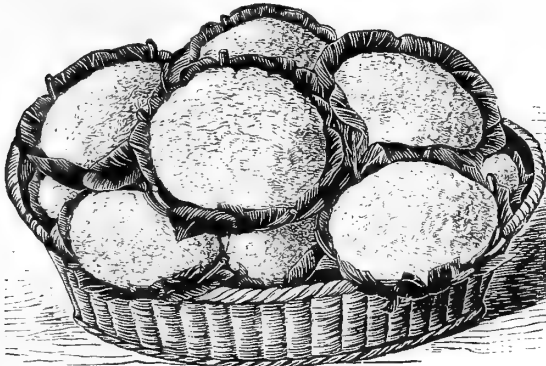
AMERICAN PERFECTION DRUMHEAD SAVOY. Grows large, heads nearly round, tender, excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

CAULIFLOWER.

One ounce will produce about fifteen hundred plants, and sow about forty square feet.

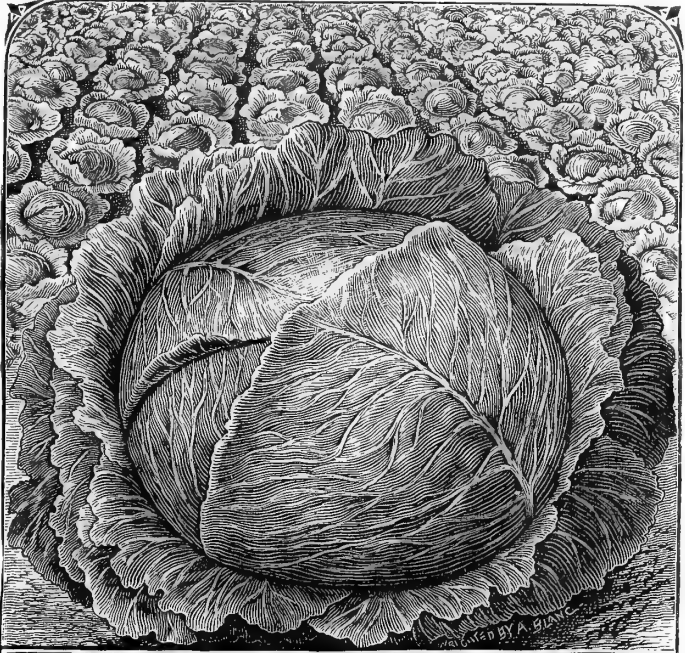
JOHNSON & STOKES' NEW EARLY ALABASTER. Of American origin; the earliest, best and surest heading variety yet introduced. See Novelties, page 14. Pkt., 25c; 5 pkts., \$1.00; ¼ oz., \$1.50; oz., \$6.00.

EXTRA SELECTED EXTRA EARLY DWARF ERFURT. One of the earliest varieties; small-leaved, dwarf for forcing, producing very solid, pure white heads of the finest quality; about fifteen inches high. Do not confound this variety with the cheaper Early Dwarf Erfurt. Pkt., 20c; ¼ oz., 85c; oz., \$3.00; ¼ lb., \$10.00.



GILT EDGE EARLY SNOWBALL CAULIFLOWER.

GILT EDGE EARLY SNOWBALL. The strain we have of this variety is without doubt the *very best to be had*. Our stock was grown from the very finest specimens, noted for their earliness, dwarf habit, large size, uniform shape, and compact growth. None of those we set out for seed failed to produce large, beautiful, smooth, snow-white heads. For forcing under glass during winter and early spring, or for planting later in the open ground, no stock supplied by any other house can surpass it. It should never be planted more than eighteen inches apart, each way. Pkt., 20c; ¼ oz., \$1.00; oz., \$3.50; ¼ lb., \$12.00.



VANDERGAW MIDSUMMER CABBAGE

CAULIFLOWER—Continued.

Early London. A good old variety, with white compact heads. Pkt., 10c; oz., 50c; ¼ lb., \$1.75.

Extra Early Paris. A popular early white sure-heading variety. Pkt., 10c; oz., 60c; ¼ lb., \$2.00.

Veitch's Autumn Giant. Large, fine heads, well protected. Pkt., 10c; oz., 65c; ¼ lb., \$2.00.

Algiers. One of the best sure-heading late varieties. Pkt., 10c; oz., 75c; ¼ lb., \$2.50.

Lenormand's Short Stem. A large late variety, with well-formed white heads of extra quality. Pkt., 10c; oz., 75c; ¼ lb., \$2.25.

CARROT.

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

NEW RUBICON HALF LONG. See Novelties, page 7. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

RED PARISIAN FORCING. A new and very distinct variety, from France, being the earliest of all carrots, forming roots much quicker than the well-known **French Forcing**. It has a fine neck; leaves short and erect; quality excellent. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

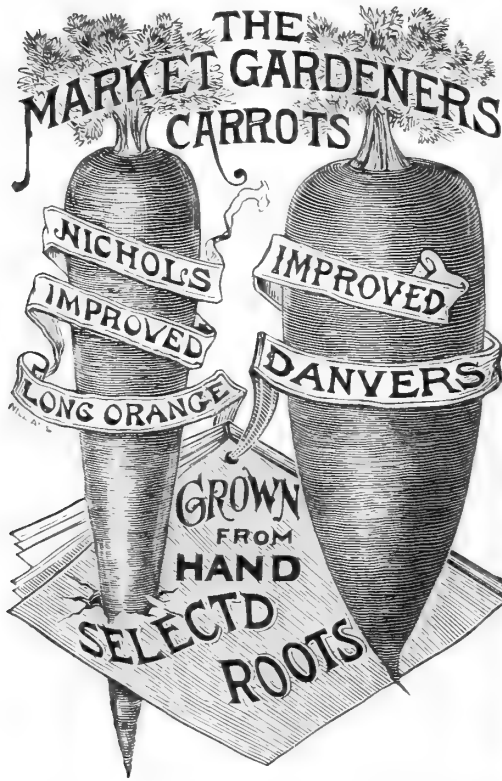
Very Early Short-Horn Scarlet, or French Forcing. An early forcing variety; small root and excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

Early Scarlet Horn. The favorite summer variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

Early Half-Long Scarlet. A desirable variety, remarkably smooth and rich color, very fine for table use or forcing. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

SAINT VALLERY, or NEW INTERMEDIATE RED. This splendid variety originated in France, near the city of St. Vallery, from whence it takes its name. It grows to uniform large size, intermediate in shape between the Half-Long and Long Orange. The roots are straight and smooth, broad at the top, measuring about two and three-fourths inches across, with a length of about eleven inches. The color is a rich orange red, its table qualities are faultless. It will be found a most excellent variety for either garden or field culture. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

CHANTENAY. This variety resembles the Half-Long Nantes, but has larger shoulders. Fine deep scarlet color. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



NICHOLS' IMPROVED LONG ORANGE CARROT.

We procured this stock, offered for sale last spring for the first time, from Mr. Robert Nichols, one of the most successful market gardeners of this city, and the mere mention of his name among his brother gardeners will be sufficient guarantee of its high excellence. The strain is earlier than either the well-known Danvers or Long Orange as usually sold. The color is of a deep orange when no thicker than an ordinary lead-pencil, shading to a deep orange red when fully grown. The root is perfectly smooth from the shoulder to the extreme tip, and entirely devoid of side rootlets in all stages of growth. It grows without any neck whatever, the top is short, and this, together with its extreme earliness, admirably fits it for growing in hot-beds.

We pronounce it the ideal carrot, either for early or late use, being enormously productive and highly nutritious for stock when grown as a field crop. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.25, by express.

IMPROVED DANVERS CARROT. Our pure American stock of this valuable variety is preferred by many market gardeners to any other sort for forcing under glass. The top is very small; color of a rich shade of orange; shape very handsome and smooth; quality the very best. One highly valuable feature of our strain is that it has its full color when quite young, which enables it to be pulled sooner than any other sort.

It is equally as valuable to grow for feeding stock, being well adapted to all soils and will yield the greatest bulk with the smallest length of root of any other sort. Under good cultivation we have known it to produce thirty tons to the acre. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lbs., by express, \$3.75.

LONG ORANGE. The well-known and popular old stand-by for late summer and winter use; grown extensively for feeding stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

OX-HEART, or HALF-LONG GUERANDE. (Stump-rooted.) This is one of the most valuable of all recent introductions, either for family use or market. Intermediate between the half-long and horn varieties, attaining a diameter of three to four inches at the neck, and of most beautiful shape and rich orange color. It is of extra fine quality and very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

HALF-LONG NANTES. (Stump-rooted.) A fine intermediate variety, bright scarlet color, smooth, large and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

NEW LONG RED CORELESS. One of the best long carrots we have ever grown; it grows ten to twelve inches long, and two inches in diameter; very smooth, stump-rooted, good color, of excellent quality, free from any heart or pith. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

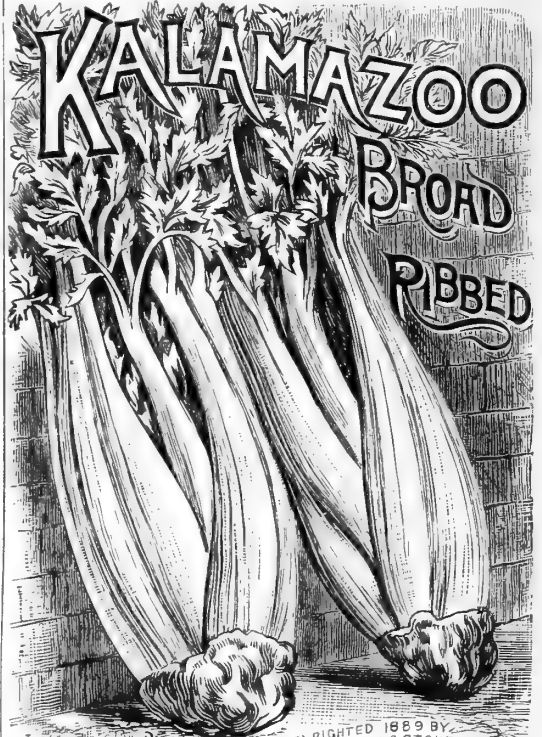
LARGE WHITE VOSGES. A valuable variety, with fine white flesh of excellent quality; large size, and by reason of its shape is easily dug; very productive and nutritious; excellent for stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Large White Belgian. Grows one-third above ground; large white root, with green top; grown exclusively for feeding stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

Large Yellow Belgian. A good stock-feeding variety, differing from the above only in color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

CELERY.

One ounce will produce about twenty-five hundred plants and sow about 200 feet of row.

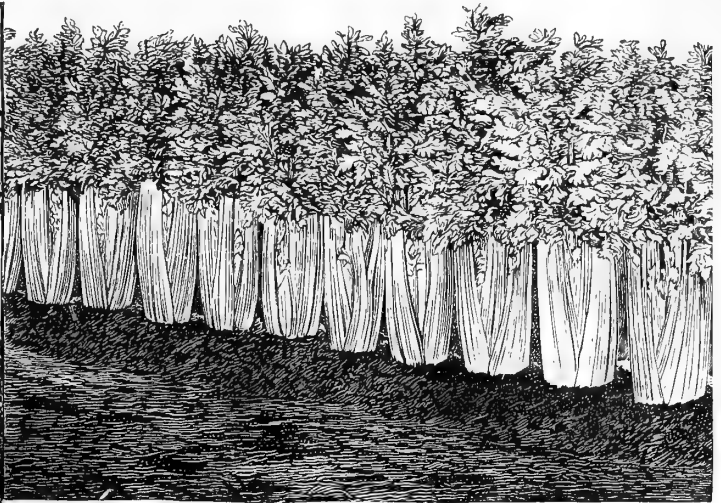


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The MOST PERFECT TYPE OF DWARF WHITE CELERY.

KALAMAZOO BROAD RIBBED. This new variety, which we offered last season for the first time, originated with a prominent celery grower at Kalamazoo, Michigan, and is pronounced by the few gardeners who have been fortunate enough to obtain the seed: "The most perfect type of Dwarf White Celery known."

It is very distinct and handsome, of a beautiful cream-white color throughout, attains a very large size, of quick growth, stiff and close habit (as shown in our illustration), is remarkably solid, crisp eating and fine flavored. Ribs are very broad, thickly and closely set, while by reason of its neat growth and showy appearance, it is a specially valuable variety for market. It is also a first-class keeper, remaining fit for use as long as the Golden Dwarf and other good keeping sorts. For the use of hotels, restaurants and other large establishments it is superior to most other kinds, there scarcely being any waste in dressing it for the table. It has such a distinctive appearance in growth as to cause almost every one seeing it to exclaim: "What celery is that?" Long rows of it being as level and even as though each plant had been shaped in the same mould. It is sure to take the lead, and market gardeners and private planters will make no mistake in planting it largely. Pkt., 15c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.



Johnson & Stokes' Golden Self-Blanching Celery.

This new variety, which we first introduced to the American public in 1883, we can recommend to our friends and customers with great confidence. It is pronounced by all our market-garden patrons who have grown it on our recommendation the *very best celery in cultivation*. Unlike other self-blanching varieties, it is a *perfect keeper*, fully equalling Golden Dwarf, Boston Market and other varieties, which are celebrated for their keeping qualities. Our illustration above will give some idea of its *handsome form* and even growth, reaching a very large size, but very stocky and robust. The stalks grow vigorously, with large ribs, very thickly and closely set. It is *entirely self-blanching*, without any banking-up or covering whatever, even the outer ribs assuming a yellowish-white color of a very fresh and pleasing appearance. The heart is of a *beautiful golden yellow color, very large, crisp and solid*, and *unsurpassed in delicious quality and flavor*. It is unequalled in striking appearance on the table or market stall. *Beware* of mixed and spurious seed of this variety. It is such a shy seeder that we have never yet been able to grow enough seed to supply the demand. We are glad to state, however, that we have ever had, and hope to be able to fill all orders at our very reasonable prices. *Each package contains our trade label.* Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

JOHNSON & STOKES' GOLDEN SELF-BLANCHING.
Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

this season we have been successful in growing the best supply we have ever had, and hope to be able to fill all orders at our very reasonable prices. *Each package contains our trade label.* Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

DILKE'S MANY HEARTED. A grand new Philadelphia variety now offered for the first time. See Novelties, page 15. Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.25; lb., \$5.00.

WHITE PLUME. Each year adds to the popularity and value of this variety. Many market gardeners now plant their entire crop of it with the most profitable results. Like our *Golden Self-Blanching*, the heart and stalk is naturally white, and consequently it requires very little earthing up to blanch it, while most other varieties necessitate high banking with the hoe, which is both costly and troublesome. Its eating qualities are of the very best, and although its keeping qualities are not equal to our *Golden Self-Blanching*, yet as a celery for the fall and early winter use it is unsurpassed. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.75.

GOLDEN HEART DWARF. This distinct variety is the most popular variety among market gardeners. It is entirely *solid*, an *excellent keeper*, and of *fine nutty flavor*. In size and habit of growth it is much the same as *Half-Dwarf White* kinds, except, when blanched, the heart, which is large and full, is of a waxy golden yellow, rendering it very striking and showy for either market or private use. We have an unusually fine strain, and sell hundreds of pounds each season to our most critical market gardeners. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.50.

Sandringham Dwarf White. White, solid, crisp, and of fine flavor. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Boston Market Dwarf. A bushy, white, solid, fine flavored market celery. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

GIANT WHITE SOLID. The best of the large growing sorts and a favorite variety, solid, crisp and tender. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

CRAWFORD'S HALF-DWARF; also known as *Henderson's Half-Dwarf*. This variety is a great favorite. When blanched, it is of a yellowish-white, making it very ornamental; entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large-growing sorts in weight. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Imperial Dwarf Large Ribbed. An excellent variety, white, very solid, fine, sweet flavor and a good keeper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

NEW FERN-LEAVED. A splendid, unusually large and solid new variety. The leaves resemble those of the fern-leaved parsley, rendering it the most ornamental variety in cultivation. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

NEW ROSE. In England, the Pink or Red Celeries are much more largely used than the White varieties, and we have often wondered why they were not more grown in this country. They possess many advantages over the White, being *hardier, more solid, and better keepers*. The *New Rose* is the best of all the red varieties, combining all these desirable qualities, and is the most ornamental for the table, with its beautiful rose-colored heart and pink stems. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Incomparable Dwarf Crimson. A fine red variety, large, solid, crisp, of superior quality and rich color. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.40.

Soup, or Flavoring Celery (Old Seed). Used for flavoring soups, stews and pepper sauce. Oz., 5c.; lb., 30c.

CELERIAC — (Turnip-Rooted Celery.)

LARGE SMOOTH PRAGUE. The largest, smoothest and best of the celeriacs. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Apple-Shaped. A new kind, with small foliage, the roots being smoother and rounder than the old sort. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

CHERVIL.

Curled. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.40.

CHICORY.

Large Rooted. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

COLLARDS—(Colewort.)

True Georgia, or Southern. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

CORN—Sweet or Sugar.

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

Please remember our prices on Sweet Corn by the pint and quart include prepayment of postage by us. Customers ordering Sweet Corn to be sent by freight or express can deduct 8c. per pint and 15c. per quart from these prices.

LARGE PACKETS OF ANY VARIETY, 10c. EACH, POST-PAID BY MAIL.

EARS OF EARLY VARIETIES, 10c. EACH; LATE VARIETIES, 15c. EACH, POSTAGE PAID.

SWEET CORN—Early Varieties.

Half peck and half bushel at peck and bushel rates.

SHOE PEG. A choice new and distinct sort. See Novelties, page 17. Pkt., 15c; pt., 40c.; qt., 60c., post-paid.

BURLINGTON HYBRID. A cross between Adams' Extra Early and Sweet Corn, as early as the Adams', but larger and sweeter. See Novelties, page 15. Pkt., 10c.; pint, 25c.; qt., 50c., post-paid; peck, \$2.50.

Adams' Extra Early. The hardest and earliest variety for table use, but not a sweet corn; white grain and short ear. Pint, 20c.; qt., 35c.; peck, 85c.; bush., \$3.00.

THE CORY. After carefully testing this new variety, we were the first to offer it four years since; grown side by side with Marblehead and other early varieties, it leads them all by fully a week. It will produce good ears for boiling in fifty-two days from planting. It has a larger kernel than the Marblehead, and is quite distinct, being whiter in color. Market gardeners and others who have grown the Cory Corn, have completely controlled the early market. Our stock comes directly from Mr. Jos. Cory, the originator. Pint, 25c.; qt., 40c.; peck, \$1.00; bush., \$3.50.

STABLER'S EXTRA EARLY. A very popular variety with Philadelphia gardeners, noted for its earliness and great sweetness. Pint, 20c.; qt., 40c.; peck, \$1.00; bush., \$3.50.

EARLY GOLDEN, or ORANGE. We introduced this new and distinct variety, after a two years' trial. Many of our customers pronounce it the most valuable of all recent introductions for family use. It is of delicious quality. The seed, when dry, is of a beautiful golden color, hence the name we have given it. Pint, 20c.; qt., 40c.; peck, \$1.00.

MARBLEHEAD EARLY. This variety, before the introduction of the Cory, was considered the earliest of all. The stalk is of dwarf growth, and ears set very low down; it is of fair market size and very sweet. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

NEW EARLY BONANZA. An extra early variety with ears as large as Evergreen. This valuable variety originated a few years since with an enterprising market gardener of this city, who astonished his brother gardeners by having in market, several weeks ahead of any of them, large, fine ears of sweet corn in great abundance, and for which he obtained almost fabulous prices, it having become quite celebrated for its fine quality, and was much sought after. He had always kept the seed in his own hands until we obtained of him seed enough to plant a few acres. It is undoubtedly as early as Minnesota, Crosby's and other extra early varieties, while the ears are much larger than in any other early variety. It is exceedingly prolific, bearing two or three good ears to a stalk. Pint, 25c.; qt., 45c.; peck, \$1.25; bush., \$4.00.

Early Narragansett. Very early, ears small, red grain; tender and of good quality. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

EARLY MINNESOTA. One of the earliest, of dwarf habit; ears small, productive and good. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.



EARLY RED COB. A new Extra Early variety from Connecticut, with fine large ears; a profitable market sort. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

EARLY MAMMOTH, or ASYLUM. Ripens about two weeks earlier than Late Mammoth; ears somewhat smaller, but of good market size. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

CROSBY'S EXTRA EARLY. An early market variety; very productive, ears rather short, and rich, sugary flavor. Pint, 20c.; qt., 35c.; peck, 90c.; bush., \$3.25.

ROSLYN HYBRID. A medium early variety, with large, fine ears, and in quality equal to Stowell's Evergreen. Much prized by canners and fine for market. Pint 20c.; qt., 40c.; peck, \$1.25; bush., \$4.00.

Moore's Early Concord. Very early, with large ears, twelve to eighteen rows; excellent in quality for table or market. Pint, 20c.; qt., 35c.; peck, \$1.00.

Early Large Eight-Rowed. A fine early sort; the ears are of large size, and have but eight rows; delicious quality. Pint, 20c.; qt., 35c.; peck, 90c.; bush., \$3.25.

PERRY'S HYBRID. A new extra early variety with large, fine ears, about twice the size of Minnesota; twelve-rowed, and of fine quality. Pint, 20c.; qt., 35c.; peck, 90c.; bush., \$3.25.

OLD COLONY. A very sweet and wonderful productive variety, averaging three ears on every stalk. The ears are of large size and well filled out. It ripens extra early. Its distinctive value lies, however, in its fine sugary flavor. Pint, 20c.; quart 35c.; peck, \$1.00; bush., \$3.50.

SHAKERS' EARLY. A new variety of excellent quality, ripening with the Early Minnesota, but with larger ears; produces two or three large ears with each stalk. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

Excelsior. Moderately early, and possesses all the good qualities of the Evergreen. Pint, 20c.; qt., 35c.; peck, \$1.00.

Triumph. An early large-eared variety; very productive and rich in flavor. Pint, 20c.; qt., 35c.; peck, \$1.00.

SQUANTUM, or POTTER'S EXCELSIOR. An excellent variety of the finest quality, for table use and market; ripens early, with fine large ears and deep grain. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

Amber Cream. This handsome, medium early sort is a strong, vigorous grower; stalks six to seven feet high; the ears are large, white, handsome and very sweet. When dry, the seed is of amber color, varying from a light to a dark shade. Pint, 20c.; qt., 35c.; peck, \$1.00.

SWEET CORN.—Late Varieties.

Large packets, 10c.; ears, 15c., post-paid.

STOWELL'S EVERGREEN. The best and one of the sweetest; ears large, remaining green longer than any other variety. Pint, 20c.; quart, 35c.; peck, 80c.; bush., \$2.75. Special prices for larger quantities.

MAMMOTH. The largest of all varieties; ears very large, productive, flavor rich and sweet; a fine market variety. Pint, 20c.; qt., 35c.; peck, 85c.; bush., \$3.00.

Egyptian. A large variety, somewhat resembling the Evergreen; flavor peculiarly rich and sweet, and superior quality. Pint 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

NE PLUS ULTRA. A variety first sent out by us a few years since. The ears are medium size, grains deep, and rows very irregular; produces three to four good ears to a stalk. It is a valuable and distinct acquisition. Its delicious flavor is unsurpassed. Pint, 20c.; quart, 40c.; peck, \$1.25.

Black Mexican. A variety with black ears; one of the sweetest. Pint, 20c.; quart, 35c.; peck, \$1.25.

Fodder Sweet Corn. For soiling and green fodder. Bush., \$1.50; 5 bush. and over, \$1.40 per bush.



THEY TAKE THE PREMIUMS.

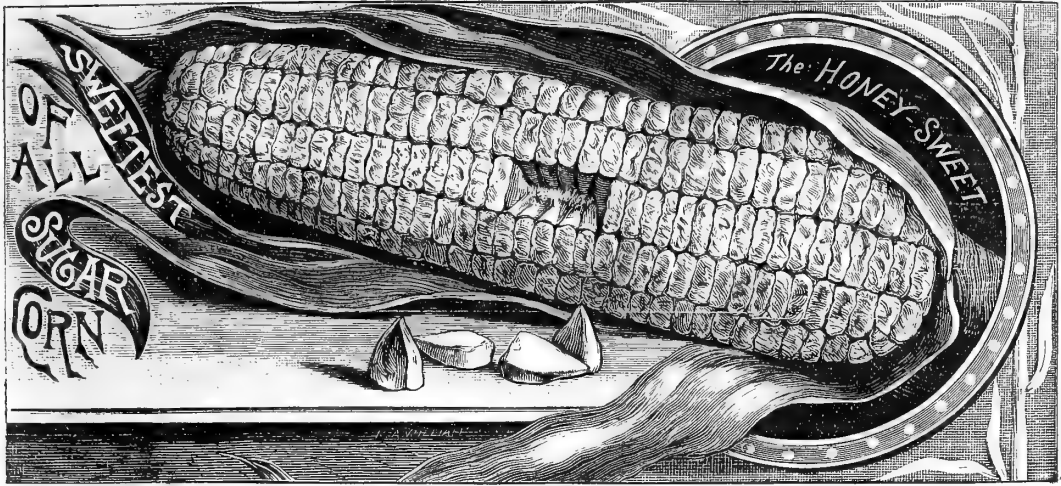
J. M. STOUT, North Yakima, Wash., Jan. 24, 1889., writes: "I induced one of my neighbors to order seeds from you and display vegetables grown at our fairs. He has taken more premiums than any ten men in the State."

IT PAYS TO SEND FOR THEM.

F. ZOCHOWITSCH, Monticello, N. Y., writes: "Without exception your seeds were the finest I ever purchased from any firm. Previous to last spring I purchased my seeds at home, but find it pays big to send to you for them."

THEY TAKE THE PALM.

GEO. F. NEWCOMB, Deloraine, Canada, writes: "Your seeds produced vegetables that were the wonder and admiration of all who saw them. They carry away the palm in this market."



The Honey. Engraved from Nature. Pkt., 15c.; pint, 30c.; qt., 50c.; post-paid; peck, \$1.75; bush., \$6.00.

THE HONEY SWEET CORN.

Nothing we have ever introduced has elicited from both market and family gardeners such enthusiastic praise in all parts of the country. It is pronounced by every person who has eaten it, the *sweetest of any they have ever tasted*. It originated with a German market gardener, near Allentown, Pa., who had the reputation of bringing the finest and sweetest corn to that market, for which he realized fabulous prices. In growth and appearance it is unlike any other variety, the husks and stalks being of a deep red color during growth, while the corn itself is of a beautiful cream white, much shriveled when dry, with deep grain and small cob. It is also a most productive variety, bearing three to four good large ears to a stalk, growing vigorously, and coming in as early as Moore's Concord. No market or private garden is complete without it. Pkt., 15c.; pint, 30c.; qt., 50c., post-paid; peck, \$1.75; bush., \$6.00, by freight or express.

POP CORN.



QUEEN'S GOLDEN POP CORN.

QUEEN'S GOLDEN POP CORN. This new sort is by far the most productive, largest eared and best of all for popping, owing to its large size, extreme tenderness and pure white color when popped. It grows about six feet in height, and bears three to four good ears to a stalk. Ear, 10c.; 4 ears, 25c.; pkt., shelled, 10c.; pint, 30c.; qt., 50c., post-paid; lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00, by express.

RICE POP CORN. A splendid variety for popping purposes; grains sharply pointed. Ear 10c.; pkt., 10c.; pint, 30c.; qt., 50c., post-paid.

SILVER LACE POP CORN, Pearl Pop Corn (Small Grain), Eight-Rowed Pop Corn (Large Grain). Each, per pkt., 10c.; pint, 30c.; qt., 50c., post-paid; by freight or express,

lb., 10c.; 3 lbs., 25c.; 100 lbs., \$5.00.

Corn for Field Culture. Will be found under Farm Seeds.

CORN SALAD.—Fetticus.

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

Broad-Leaved (Large-Seeded). The best variety for market purposes. Pkt., 5c.; oz., 10c.; lb., 65c.

CRESS, or PEPPER GRASS.



WATER-CRESS.

One ounce will sow about fifteen square feet.

Extra Curled. Fine flavor, and can be cut several times. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

TRUE WATER-CRESS. An aquatic plant, with oval leaves. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.50.



One ounce will plant about fifty hills; two pounds will plant one acre.

Early Russian. Very early, hardy and productive; produced in pairs. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

Early Frame, or Early Short Green. Of medium size, straight and excellent for table use or pickling. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

Early Cluster. Quite early, and very productive, medium in size, and of a pale green color, and turns to a brownish yellow when ripe. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

Peerless, or Improved Early White Spine. Very early and productive, medium to large size, deep green, crisp, fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Green Prolific, or Boston Pickling. A short pickling variety, of fine form and flavor, enormously productive, crisp and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

WESTERFIELD'S CHICAGO PICKLE. In recent years Chicago has become the centre of a very large pickling industry. This variety, originated by Mr. Westerfield, a gentleman largely interested in the business, is preferred for pickling by almost every large pickling factory in that city, and for commercial pickles it is one of the best. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

West India Gherkin, or Burr. Also known as the *Jerusalem Pickle*; used only for pickling. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50.



EVERGREEN WHITE SPINE CUCUMBER.

We have sold this new and improved strain for three years, and have received hundreds of letters from customers who purchased the seed, all of whom agree in pronouncing it the handsomest and most productive of any they have ever grown. It differs from the ordinary White Spine in the fact of always remaining of a deep green color, in all stages of growth. It grows to good length, of handsome, smooth shape, *very early and prolific*. It is a very hardy sort and will not turn yellow after being picked from the vine, but will permanently retain its deep green color. The flavor is delicious, the flesh being unusually tender and crisp. As a shipping variety it is superior to any we know of, and its fine appearance always insures "top notch" market price. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

NEW GIANT OF PERA.

This magnificent variety was first brought here from Turkey by Dr. Harris, of Philadelphia. They are of the most delicious flavor, no other cucumber we have ever eaten surpassing them. Another remarkable quality is that they are very crisp and tender at all stages, and can be eaten at any time during growth. They grow to an enormous size, frequently to one and one-half feet in length and ten to eleven inches in round circumference; very smooth and straight, with a beautiful green skin. The vines grow vigorously, fruit sets near the hill and grows closely together, making them exceedingly prolific. The seed cavity is very small and few in number. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

White Japan. Very desirable for the table or pickles, being pure white, productive and of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

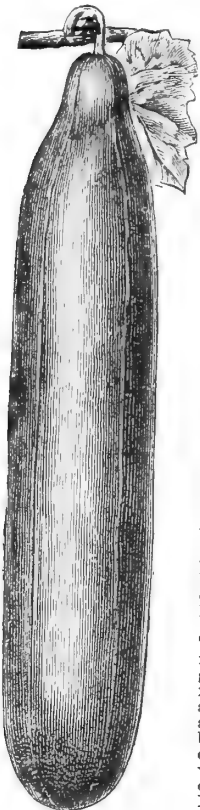
Tailby's Hybrid. A hybrid of the White Spine, with a large English variety, retaining the prolificness of the former, united with large size, hardness and desirable market qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Long Green Turkey. A leading variety for pickling; of excellent quality, dark green, firm and crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 75c.

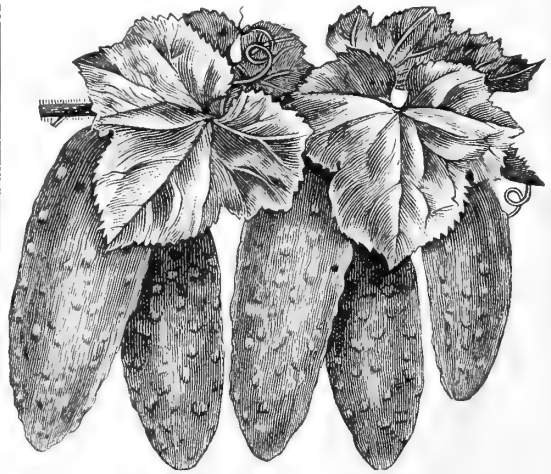
NICHOL'S MEDIUM GREEN. This new variety was originated near Columbus, O., by an extensive grower for market. In length it is medium between the White Spine and Long Green; very thick through and full at both ends, presenting a beautiful type; skin of a light green color and very smooth; the vines are very hardy and productive; they are excellent for slicing or pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

IMPROVED LONG GREEN

(Jersey Pickle). A standard pickling variety; dark green, tender, crisp, productive, of fine flavor and uniform size. Our strain is unsurpassed. We supply each season hundreds of the most critical Jersey market gardeners and pickle growers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.



GIANT OF PERA.

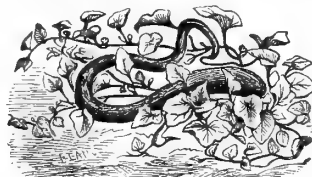


JERSEY EXTRA EARLY PROLIFIC PICKLE.

JERSEY EXTRA EARLY PROLIFIC PICKLE. This splendid new variety was originated and selected by a prominent New Jersey pickle grower in the celebrated pickle section on the Delaware River, about twenty-five miles above Philadelphia, where more pickles are grown than in any other section of the United States. It is ten days earlier than the old Long Green or Jersey Pickle and more productive. Is pronounced by growers of thirty years' experience "a perfect pickle in all respects." Try it. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

ENGLISH FRAME VARIETIES.

Carter's Champion, Blue Gown, Telegraph, Giant of Arnstadt and other good sorts. Each, per pkt., 25c



SOOLY QUA, OR SNAKE CUCUMBER.

Sooly Qua, or Snake Cucumber. A great curiosity, growing six feet long, and coiled like a snake, with the head protruding.

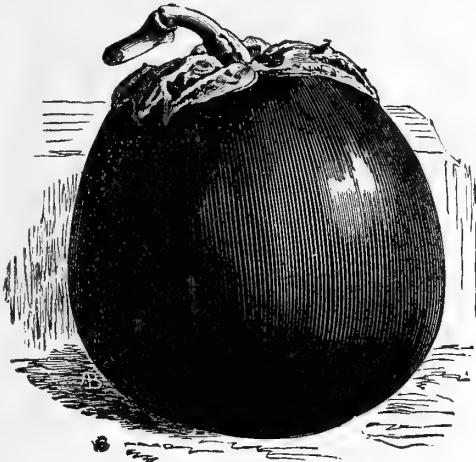
The Chinese consider this variety a great delicacy, either raw or boiled. Pkt., 10c.; 3 pkts., 25c.

DANDELION.

Improved Large Leaved. A very early and healthful spring salad. Sow early in the spring in drills eighteen inches apart, and thin out to six inches in the drills. Pkt., 10c.; oz., 60c.

EGG-PLANT.

One ounce will produce about one thousand plants.



NEW JERSEY IMPROVED LARGE PURPLE.

NEW JERSEY IMPROVED LARGE PURPLE SMOOTH STEM. The State of New Jersey supplies the North with the handsomest, largest and finest egg-plants grown in the United States, and it is from this State that one would naturally expect to secure the best seeds. This superior strain was brought to perfection by one of the most successful egg-plant growers in the State. It 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 nor yellow; flesh white, tender and of superior quality. Our customers will find this variety the *very best in cultivation*. Our seed is grown by the originator. Pkt., 15c.; oz., 60c.; ¼ lb., \$1.75; lb., \$6.00.

Extra Early Dwarf Round Purple. A distinct variety; ripens a month earlier than the New York Large Purple; is of the same round shape, but smaller in size. It is extremely hardy, well adapted to the North, where it has heretofore been impossible to grow this vegetable to perfection. Pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.

New York Large Purple. A leading market variety; large, round, dark purple, excellent and productive. Pkt., 10c.; oz., 50c.; ¼ lb., \$1.25; lb., \$5.00.



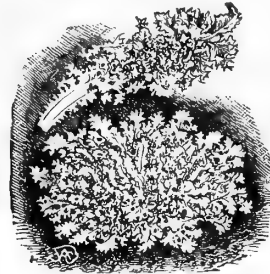
TOMATO EGG-PLANT.

TOMATO EGG-PLANT. This curious plant was first discovered three years ago by Mr. Wm. C. Loder, a New Jersey trucker, growing in a field of egg-plants. The vine has every appearance of the egg-plant, even to the prickly stem and leaf, but fruits from forty to sixty bright red solid tomatoes, as shown in our engraving. It is unquestionably the greatest curiosity in the vegetable kingdom that has ever come to our notice; exceedingly ornamental and worthy of a place in either the flower or vegetable garden. Try it. Pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

Black Pekin. A very handsome variety, with large, round, black fruits; very smooth and glossy, of fine delicate flavor; very prolific and matures quite early. Pkt., 10c.; 3 pkts., 25c.; oz., 50c.; ¼ lb., \$1.50.

DENDER.

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



NEW MAMMOTH GREEN CURLED. This very beautiful and valuable variety grows to full twenty inches in diameter. The leaves are very crisp, much cut and curled, tufted and full in every stage of growth. The mid-rib is pure white, thick, fleshy and tender. It is equally suitable for spring, summer or autumn planting. The quality is exceedingly good, blanches very readily, and its handsome appearance causes it to outsell all other varieties. This variety was named and introduced by us last season and had a very large sale. All who grew it say that no other variety should be planted. Pkt., 10c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.75.

Green Curled. The well-known old sort, with dark green, curled leaves, tender and crisp. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75.

Early White Curled. Leaves pale green; large size, crisp and tender. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75.

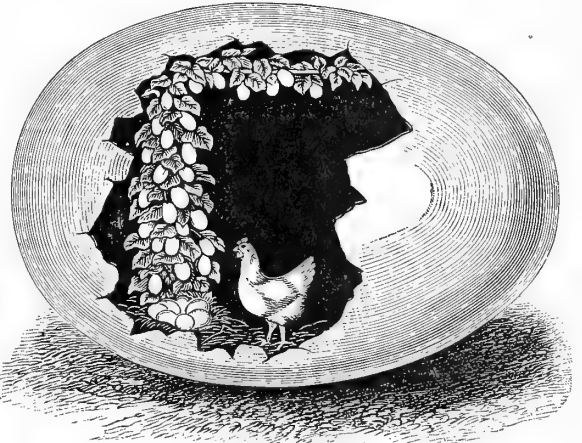
FENNEL.

Florence Celery-rooted. A novelty from Italy, where, owing to its delightful sweet flavor, it is much preferred to celery. It thrives remarkably well in our climate, and is of the easiest culture. Seed can be sown early in spring and cultivated same as parsley, except that the thickened part of the root should be covered with soil a short time before completing its growth. Pkt., 10c.; 3 pkts., 25c.

GARLIC.

This is extensively used in many places for flavoring soups, stews, etc. The sets should be planted early in spring in rich soil in rows one foot apart, and from three to five inches apart in the rows. Cultivate like onions. In August the tops die off and the crop is ready to gather. ¼ lb., 15c.; lb., 40c.

GOURDS.



JAPANESE NEST-EGG GOURD.

JAPANESE NEST-EGG. These exactly resemble in color, shape and size, the eggs of hens, making an capital nest-egg, which are superior to glass eggs, as they do not crack or break, and are uninjured by cold or wet. As the plant is a rapid-growing climber, it is very useful for covering screens, etc. Pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

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., 25c.

SUGAR TROUGH. Very useful for baskets, dishes, buckets, etc., etc. They have hard, thick shells, lasting for years, and capable of holding from two to ten gallons each. Pkt., 10c.; oz., 25c.

FINE MIXED. A collection of the most ornamental, including all the above. Pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.



as long as any part is left they are as good as new. Even with daily use they will last for years. The dried interiors of these gourds have already become an article of commerce; they are sold by druggists in Philadelphia and New York, while in England their sale and use are quite general. Every housewife should procure a packet of this seed. Pkt., 10c.; 3 pkts., 25c.; 7 pkts., 50c.

HORSERADISH.

Horseradish 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, 35c.; per 100, \$1.25, by mail post-paid.

KALE—Borecole.

One ounce will produce about two thousand plants.

NEW IMPERIAL, or LONG STANDING. A beautiful curled and crimped sort, selected by a Philadelphia market gardener. Of strong, vigorous habit, perfectly hardy, attractive appearance and a bright green color. It is superior to all other sorts, and will stand longer without shooting to seed than any other variety. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

MOSS CURLED, or HALF-DWARF FRINGED. This new and beautiful variety is very popular with the gardeners around Paris. It is between the dwarf and tall varieties, with yellowish-green, finely fringed leaves. It is one of the handsomest and most ornamental varieties we have ever seen; is extremely early and hardy, and from its upright habit can be grown closer together than other varieties. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

GREEN CURLED SCOTCH. Philadelphia Stock. A favorite with Northern market gardeners; growing about two feet in height and harder than the Southern Dwarf Green Curled Scotch, being improved by frost; leaves green and beautifully curled and wrinkled. Pkt., 5c.; oz., 10c.; lb., 60c.

SOUTHERN DWARF GREEN CURLED SCOTCH KALE. This is the principal sort grown throughout the Southern States 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. Crop of seed short. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

SIBERIAN CURLED KALE. 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. In point of hardness it exceeds all other sorts, being fully capable of withstanding ten degrees below zero without injury. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

SEA KALE. Grown for its blanched shoots; cooked like *Asparagus*. Sow the seed early in the spring, in rows two feet apart; thin out to stand six inches in the rows; before winter, cover with litter or leaves, and the next spring transplant in hills, three feet apart each way. Pkt., 10c.; oz., 25c.; lb., \$2.50.

LUFFA OR DISH-RAG GOURD. A native of the East Indies, and in its nature has furnished us with a vegetable dish-cloth, the seeds being enveloped in a sponge-like cloth, which is tough, elastic and durable. The fruit grows about two feet in length, and the vine grows rapidly, producing clusters of large yellow blossoms; many ladies prefer this dish-cloth to anything that can be made. It also makes a handsome Summer Bonnet, very unique and tasteful (see illustration). For the bath, and for all uses of the toilet in general, the "Dish-Rag Gourd" is taking the place of the sponge. It is, in fact, a sponge, a soft brush and a bath glove combined; the fibre wears away almost imperceptibly, and

KOHL RABI.—Turnip-Rooted Cabbage.

This is a favorite vegetable in Europe, where it is extensively grown for feeding cattle, as well as for table use.

One ounce will sow about one hundred and fifty feet of drill.

EARLY WHITE VIENNA. Flesh tender and white, excellent for table use and market. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Early Purple Vienna. A little later than the White; color, bluish-purple. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

LEEK.

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

NEW GIANT ITALIAN. We introduced this new leek from Italy and guarantee it to be the largest and finest leek in cultivation. It 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 those who have grown it the past two years were astonished at its large size and fine white appearance. We know of no leek as well adapted to market gardeners' purposes as this valuable new sort. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.



NEW GIANT ITALIAN.

and large. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.40.

CARENTAN, or SCOTCH CHAMPION. An extra large variety from Scotland, growing rapidly, and very hardy. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

London Flag. Large, with broad leaves growing on two sides. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Large Musselburgh. Grows to a very large size; of excellent quality. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

LETTUCE.

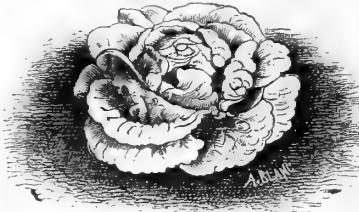
One ounce will sow about one hundred square feet and produce three thousand plants.

CALIFORNIA ALL HEART. "No praise is too high for its merits, as its superior does not exist." See colored illustration on back of this book and Novelties, page 10. Pkt., 15c.; 2 pkts., 25c.; oz., 40c.; ¼ lb., \$1.00.

LONGSTANDER BRONZE HEAD LETTUCE. Valuable, new and distinct. See Novelties, page 15. Pkt., 15c.; oz., 30c.; ¼ lb., 90c.; lb., \$3.25.

PHILADELPHIA EARLY WHITE CABBAGE. A favorite among the market gardeners, producing fine greenish-white, well-formed heads of extra quality, being remarkably tender and crisp. It is of very quick growth and is largely grown both for forcing and summer use. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.40.

REICHNER'S EARLY WHITE BUTTER, or RIDGE LETTUCE. (Market gardeners' private stock.) This very



REICHNER'S EARLY WHITE BUTTER.

excellent variety is now offered to the public for the first time. It is the result of several years selection from the Philadelphia Early White Cabbage made by the Reichners, who are among the best market gardeners around Philadelphia. It is the best forcing lettuce we know of and very valuable for summer on account of its slowness to shoot to seed. It is also the best variety for sowing in the fall, for planting on ridges, being very hardy and requiring only a slight protection; produces fine, large, white, solid heads, of superb quality, and is remarkably early. Philadelphia market gardeners value this lettuce so highly that they will pay almost any price to obtain the seed. No market grower can afford to be without this valuable variety. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.



VICTOR DUTCH BUTTER. (Market gardeners' private stock.) Notwithstanding this fine variety is now offered for the first time, it has had a famous local reputation around Philadelphia, where market gardeners have heretofore paid very high prices for the seed. It is most highly prized for early spring and autumn sowing, producing crisp, white solid heads, almost equal to a cabbage; the outer leaves are speckled with a brownish tinge. It is an elegant forcing variety, or for growing in cold frames, and stands the heat and cold to a remarkable degree; we regard it as one of the very best and most profitable varieties to grow. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.50.

White-Seeded Early Tennis Ball, or Boston Market. A very early variety, forming a small, close, hard head; very hardy, crisp and tender. An excellent variety for forcing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

BLACK SEEDED TENNIS BALL. A favorite forcing variety, and forming a close, hard head. It makes but few outer leaves, and for this reason can be planted quite closely under glass—from six to seven inches apart. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

BUTTERCUP. A new variety from Germany, equally good for winter and summer use or early forcing; forming large, solid heads of bright citron-colored foliage, crisp, tender and delicate in flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

New White Russian Summer Lettuce.

This is a genuine new sort of invaluable merit that has been planted by ourselves and by many of our most intelligent market gardeners during the past three seasons. It is pre-eminently one of the best sorts to withstand the extreme heat of our long, hot summer months, as it forms beautiful large, solid heads, without showing the slightest disposition whatever to run to seed. The heads generally have to be cut before any seed-stalk will appear. It is equally well adapted for early spring sowing. Of very rapid growth, with few outer leaves; in color it is a very light green, being almost white, and forms a very large, solid head of the finest quality. All market gardeners who have planted it are enthusiastic in its praise. This lettuce is so distinct that a casual observer could readily discover a single head of it in an acre of any other sort. Stock limited—order early. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00; lb., \$4.00.

CHARTIER LETTUCE. This fine new sort will take front rank when thoroughly introduced. A few Pittsburgh gardeners have kept it carefully among themselves, until last season we secured seed stock. It is one of the most striking and distinct varieties in cultivation, and attracts much attention owing to its pinkish color, fine head and beautiful curled leaves. Its quality on the table is faultless. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40.

Early Curled Silesia. A fine early curled variety, which does not head; leaves large and tender, of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Early Curled Simpson. This does not head, but forms a close, compact mass of leaves; early and excellent for forcing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

IMPROVED HANSON. An improved strain of this superior curled, heading variety, of large size, often weighing three pounds; sweet, tender and crisp, of a beautiful green without and white within. Resisting heat and drought well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

PHILADELPHIA DUTCH BUTTER SPOTTED. Producing large heads, of excellent quality; one of the best for the market gardener; stands heat well and slow to run to seed. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

CALIFORNIA CREAM BUTTER, or ROYAL SUMMER CABBAGE. This variety forms large, solid, round, compact heads, light green outside and creamy yellow within. It is medium early and strongly recommended as a summer variety, being very slow to shoot to seed. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

LARGE WHITE PASSION. A very handsome cabbage lettuce from California. It forms a very large, hard head, of crisp and delicious flavor, and is slow in running to seed. Although quite new this variety is already very popular with our Southern market gardeners for shipment North. The seed being sown in the fall and transplanted during the winter, it grows to fine, large size, and stands long shipments better than any variety we know of. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

DEACON. A fine new variety (originated near Rochester, N. Y.), with round, compact heads, four to five inches in diameter; leaves very thick, dark green, tender and of unusual fine quality; very distinct and valuable. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

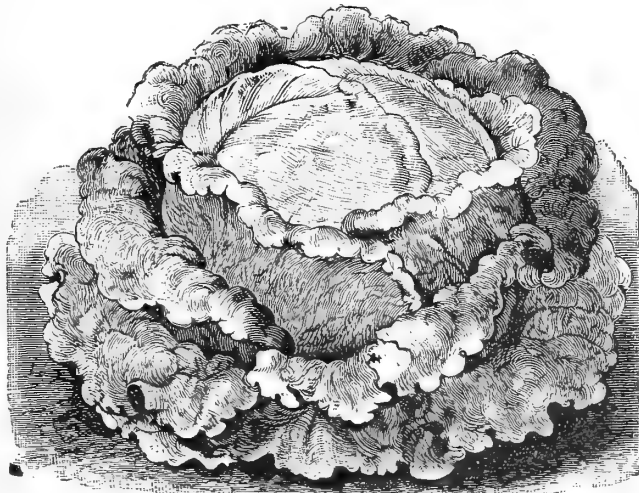
Philadelphia Early Prize Head, or Brown Cabbage. An excellent family lettuce; it forms a mammoth head, and remains tender and crisp throughout the season. It is prompt to head and slow to run to seed; very hardy, and of superb flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

JOHNSON'S STANDWELL. This new lettuce will, as its name implies, stand a long time before running to seed. The heads are very large, firm and solid, and yet extremely tender and delicious in flavor. The heart and leaves are of a buttery yellow-green. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

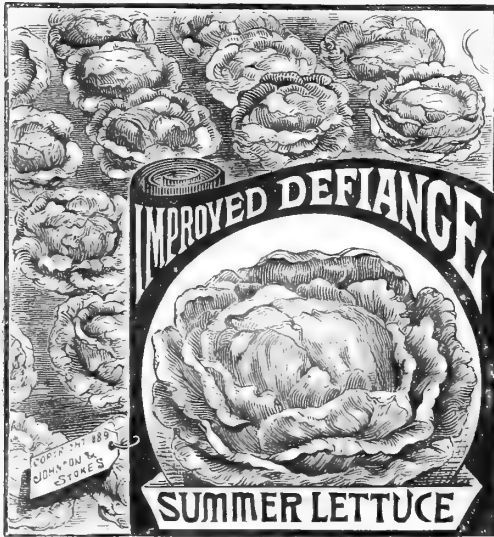
Black-Seeded Satisfaction. A splendid variety, with large, fine, compact heads of rare quality; very solid, stands heat well and remains in fine eating condition for a long time. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

NEW PERPETUAL, or IMPROVED SIMPSON. This variety is entirely distinct, not heading, but forming huge, compact bushes. The leaf is a yellowish-green and very tender. For private use it is especially adapted, as only one sowing is necessary for the whole season. It remains up to the time of seeding of just the same quality for eating as at any time before. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

NEW OAK-LEAVED. A distinct and beautiful new variety. The heads are compact, crisp and tender, and entirely free from that bitter taste peculiar to many sorts. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.



NEW WHITE RUSSIAN SUMMER LETTUCE.



IMPROVED DEFIANCE SUMMER. Among the few lettuces of merit recently introduced, we place this sort among the front rank of summer varieties. It produces a splendid large, solid head, of the cabbage type, remaining a long time in prime condition without going to seed. It is of a light green color, fine quality, crisp, tender, and nearly every plant will make a fine, solid head in the hottest weather, when many other varieties will refuse even to grow. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

TOMHANNOCK. A splendid new cutting lettuce of fine quality, which it retains for an unusual length of time during growth; the leaves grow upright, the edges of the leaves growing outward and are handsomely wrinkled. The inside leaves are of a very pale green, almost white, and remarkably crisp and tender. For family use it is unequalled. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Green-Fringed, or California Curled. A beautiful ornamental variety, with white inner leaves, the outer leaves fringed and cut, and of a delicate shade of green; very tender and of a rare quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

SALAMANDER. An excellent summer variety, withstanding drought and heat to a remarkable extent; forms good-sized, compact heads; light green outside, white within; fine for market. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

IMPROVED YELLOW-SEEDED BUTTER. This is without doubt one of the best for late spring or summer planting, producing fine large heads, very crisp and tender. It is of quicker growth and will stand the hot summer sun better than Salamander. A decided improvement on that usually sold. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Silver Ball. A handsome new Italian variety, head of a silvery white color, very solid and firm, and of exquisite flavor. A splendid variety for spring and summer use. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Black-Seeded Simpson. A new variety of the Curled Simpson, growing to double the size, excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

AMERICAN VARIETIES MIXED. Fifteen kinds mixed, in one packet. Early, medium and late sorts, giving lettuce for table during entire season. Pkt., 15c.; oz., 25c.

Giant Mexican Cos. A new variety from Mexico, where it is eaten as a fruit; growing to enormous size. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Paris White Cos. Pkt., 5c.; oz., 15c.; lb., \$1.40.

MARTYNIA.

Martynia Proboscidea. For pickling. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$2.75.

MUSTARD.

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

White London. Best for salads. Oz., 5c.; lb., 50c.

Black, or Brown. More pungent than the white; for salad and culinary use. Oz., 5c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Chinese (New). Very large leaves and succulent stems. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MUSHROOM SPAWN.

Mushrooms are much more easily cultivated than is generally supposed. They can be successfully grown in a cellar or shed, or in beds in open air, prepared in the same manner as hot-beds. Full directions for culture are furnished with each order for spawn.



French Mushroom Spawn. In boxes containing two pounds each. \$1.00 per box, post-paid, or 75c. per box by express.

English Spawn. In pound bricks, by mail, post-paid, each, 35c.; by express, per dozen bricks, \$1.75.

NASTURTIUM.—Indian Cress.

One ounce will sow about twenty feet of drill.

Tall Yellow. The best for pickling or salads. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Dwarf Mixed. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

For ornamental varieties, see Flower Seeds.

MELON MUSK.—Cantaloupe.

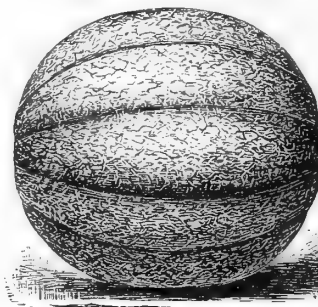
One ounce will plant about seventy hills; three pounds will plant one acre.

PERSIAN MONARCH. See Novelties, page 18.

GIANT OF COLORADO. A new mammoth variety, growing as large as a watermelon, and of delicious quality. See Novelties, page 18. Pkt., 15c.; 4 pkts., 50c.; oz., 70c.

GOLDEN GEM (Netted Gem, or Golden Jenny).

This valuable new cantaloupe, first introduced by us, is admitted by prominent



GOLDEN GEM MELON.

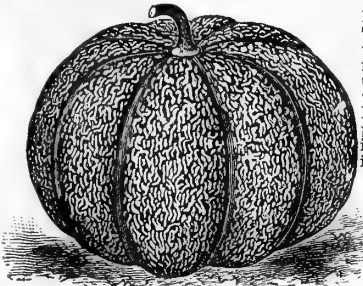
by prominent melon growers to be the very best early variety now grown. The illustration, engraved from a photograph of one of the melons, shows their shape, which is nearly round. They grow very uniform in shape and size, weighing about two pounds each, skin green and thickly netted. They are very thick meated, flesh of a light-green color, the inside surface, when cut

open, being of a beautiful golden color. In quality and flavor they are superior, being uniformly rich, sugary and luscious. They are extra early in ripening, the vines keeping green longer and producing better than any variety we have ever known. They sell in markets, where known, right alongside of other good varieties, at double price. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 85c.; 5 lbs. and over, by express, 70c. per lb.

EXTRA EARLY PRIZE JENNY LIND. A carefully selected and improved strain of the well-known Jenny Lind, prized for its great earliness and rapidity with which it sells in market. It is very popular in New Jersey, and already largely grown for New York and Philadelphia markets. Very thickly netted, small size, round and of excellent flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.

Johnson & Stokes SUPERIOR MELON SEEDS

We grow our Melon Seed almost exclusively in Southern New Jersey, a locality famous for producing the finest melons in the world. We are to-day the largest growers of melon seeds in the United States, our annual production amounting to many tons. During past years we have annually supplied them, not only in the United States, but to customers in nearly every country in Europe, South America, Mexico and West Indies. We also supply, every season, over our counter, hundreds of New Jersey truck gardeners with our superior strains. We attribute the popularity of our melons, as well as of other seeds, to our careful personal selection of the very finest specimens for our seed stocks, thus improving and breeding up our stocks to the highest state of perfection.



NEW EARLY HACKENSACK MUSKMELON.

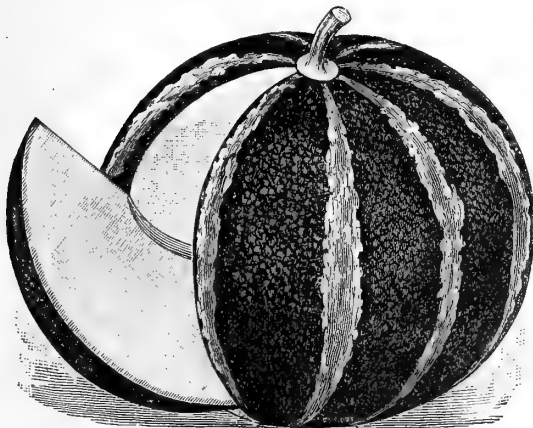
NEW EARLY HACKENSACK
This valuable new variety is ready for market fully ten days ahead of the well-known Hackensack, its progenitor, which it much resembles in shape and quality. The melons are of good size, weighing from five to ten pounds each. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

WARD'S NECTAR. An exceedingly sweet and delicious green fleshed variety. Grows to good size; well netted and slightly flattened on the ends. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Surprise. A good bearer, of excellent flavor and quality. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

Improved Orange Christiana. Very early, orange flesh, good quality. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

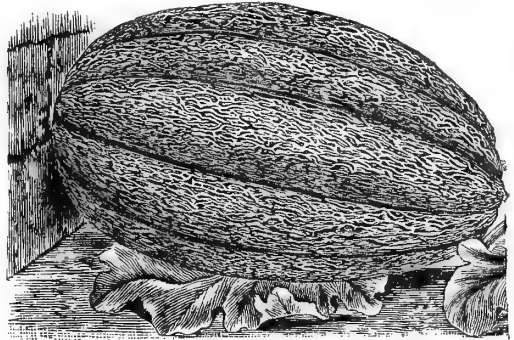
Prolific Netted Nutmeg. A favorite and profitable early market variety; medium size, deeply netted, nearly round, flesh thick, sweet and of delicious flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



EMERALD GEM MUSKMELON.

EMERALD GEM. This most excellent new muskmelon originated in Michigan. It is of superior flavor and quality; the skin is an emerald green color and quite smooth; they ripen early and produce well, being about the size of our *Golden Gem*; the flesh is light red or salmon, very thick, juicy and crystalline, and luscious in flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00; 5 lbs., \$4.00.

MILLER CREAM NUTMEG MELON. This splendid melon, although of different origin, in some respects resembles the *Osage*. The flesh is of a rich salmon color, very thick, sweet, and melting in quality. The rind is very thin, slightly sutured and finely netted. They average about the size of the *Golden Gem*, but of handsomer shape and appearance. Vines grow strong and are very productive, covering the ground with fruit. They retain their bright, fresh appearance, and remain solid several days after being pulled. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.



THE DELMONICO MUSKMELON.

THE DELMONICO. The shape and appearance of this new melon, introduced last spring by our New York friend, Peter Henderson, is well depicted in the above illustration. The flesh is of a beautiful orange pink, and for excellence in quality, all lovers of good cantaloupes should try the Delmonico. Pkt., 10c.; 3 pkts., 25c.; oz., 40c.

CHAMPION MARKET, or STARN'S FAVORITE. This new muskmelon is quite distinct from all other varieties. The melons are almost a perfect globe in shape and densely netted. They are very uniform in size, averaging about six pounds each. The flesh is thick, light green in color, and of rich, sweet flavor. Six melons of *Champion Market* will fill a market basket. The vines are very vigorous, remarkably healthy, and very productive. The melons mature early and all ripen up finely. It is an excellent shipper, and a most popular variety for market. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

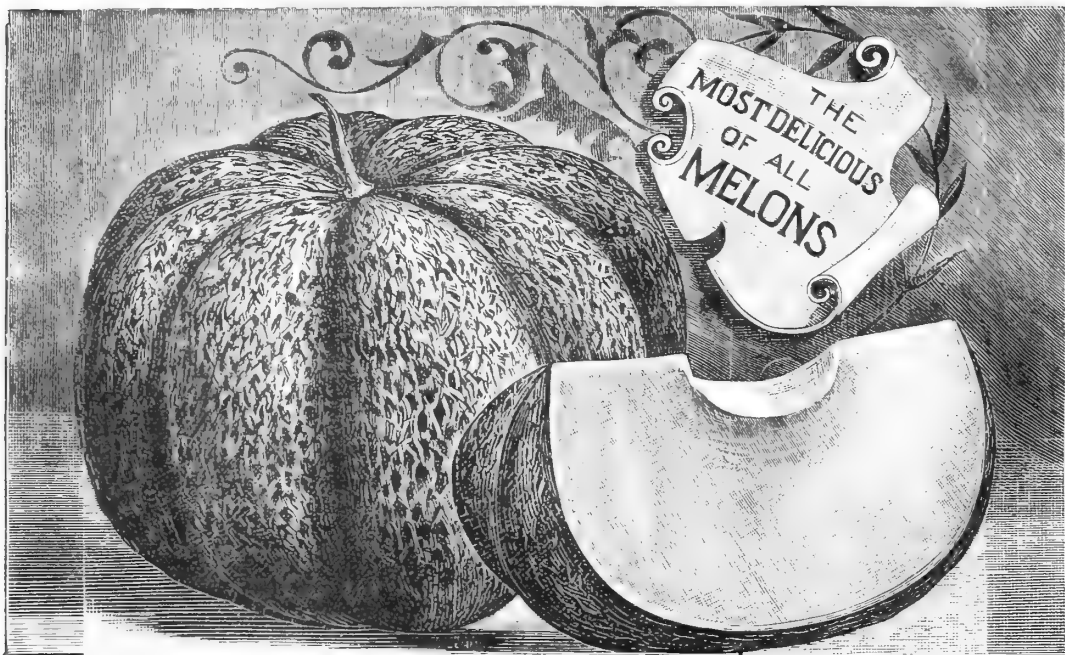
CHICAGO MARKET. A superior market variety, developed by Mr. A. Colvin, a well-known Chicago gardener. Quite early, large and uniform in size, deep green flesh of excellent quality. In the West this is considered the best of the Nutmegs. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 85c.

NETTED PINEAPPLE. A splendid market variety, of good shape, medium size, flesh green and thick, firm, juicy and sweet; very early, and popular in our markets. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.; 5 lbs. and over, by express, 50c. per lb.



ACME, OR BALTIMORE CANTALOUPE.

ACME, or BALTIMORE. This melon is the most popular of all in Baltimore markets, and throughout Maryland, where it is known as *Baltimore Citron*. It is also becoming prominent in Philadelphia and New York markets, as *Acme Cantaloupe*, and in its season is now much sought after by the best hotels and restaurants, owing to its handsome appearance and excellent quality. It is quite early, very large and showy, pointed at the ends, strongly netted, thick, rich, green flesh. It is unquestionably one of the best and most profitable varieties for shipping to distant markets. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.; 5 lbs. and over, by freight or express, 60c. per lb.



THE PRINCESS MUSKMELON.

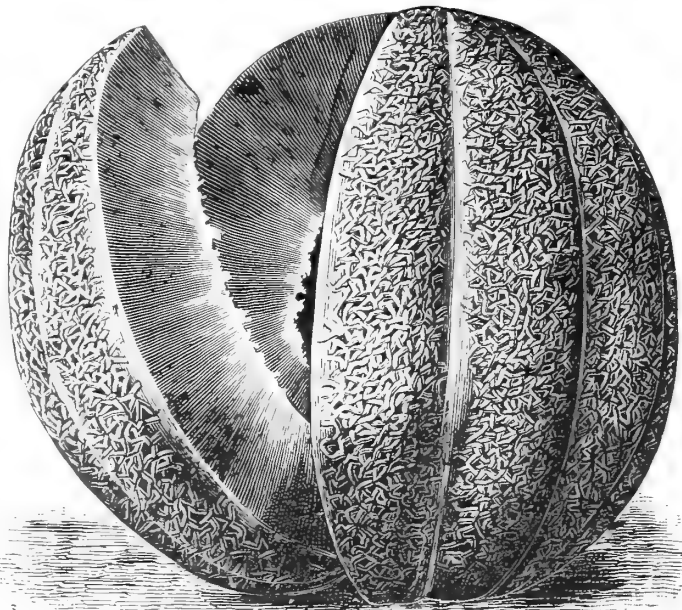
We feel justly proud of being the first seedsmen to offer to the public a new variety of such *extraordinary value*. IN 1888 and 1889 OVER ONE THOUSAND MARKET GARDENERS PRONOUNCED THE PRINCESS TO BE THE FINEST AND SWEETEST OF ALL MELONS. It is quite distinct from all other varieties, and possesses so many strong points of superiority that it must speedily become the most popular variety for family and market purposes. The Princess is a chance seedling, discovered some years since by one of our customers, a large melon grower near Boston, who claims to have sold them as high as \$2.50 each to fancy restaurants in Boston, owing to their extremely *handsome appearance*, *wonderful weight* and *thick flesh* when opened. Our engraving, made from nature, shows their shape, which is nearly round, with heavily-netted dark-green skin; the flesh is of a rich salmon color, thicker than in any other melon, and in flavor is *sweet and luscious beyond description*. They ripen early and grow to good size, frequently weighing eight to ten pounds each. The vines grow vigorously and are very productive. We have counted eight perfect melons on a single vine. Gardeners have heretofore used every effort to procure seed, paying very high retail prices for melons in order to do so. We are glad to state, however, that our crop of seed of this grand melon was so good the past season that we can now offer it at a moderate price, within the reach of all. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

THE OSAGE MUSKMELON.

No variety of muskmelon has ever advanced in popularity and become so widely known in such a short time as this variety. The past summer has been only the third season in the Chicago market, but it is now the favorite sort in all of the leading hotels and restaurants, and is also well known by all commission men and largely by the general public, being offered on the hotel and restaurant bills of fare under its own name—"OSAGE."

THE OSAGE grows to medium size and is egg-shaped, as shown in our illustration. The skin is very thin, of dark green color, and slightly netted. The flesh is of a salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. All lovers and shippers of fine melons should try THE OSAGE. After the PRINCESS we believe it to be the best melon grown, and it is so pronounced by hundreds of market gardeners and melon growers. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

A. J. JONES, Newport News, Va., writes: "The Princess melon is all that you represent. They were claimed to be the finest brought to this market. Many purchased to obtain the seed. All other seeds were fine."



NEW OSAGE MUSKMELON.

Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

MUSKMELONS—Continued.

MONTREAL GREEN NUTMEG. This variety is largely grown by market gardeners in the neighborhood of Quebec and Montreal, Canada, from whence it takes its name. The fruit is nearly round, slightly flattened at the ends, with a densely netted green skin. They grow to a very large, uniform size, averaging from fifteen to twenty pounds in weight. The flesh is remarkably thick, and of splendid flavor. Owing to its large and handsome appearance, it sells rapidly in market at very high prices. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.

PERFECTION. A new variety, originated in Chenango County, N. Y. It is highly spoken of by all who have grown it. Large size, strongly netted, shape round, and distinct from all others; rich, salmon-colored flesh of fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Hackensack, or Turk's Cap. A variety of the *Green Citron*; deeply netted, very large and productive, of excellent flavor; profitable and fine for market. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.

Casaba. Of extraordinary size and delicious flavor; usual weight, from twelve to fifteen pounds; late, oval and netted. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

BANANA CANTALOUPE. This variety originated in South Jersey, and is pronounced by many the most profitable variety they have ever grown. They are eagerly sought after in Philadelphia and New York markets, owing to their great oddity of shape, appearance and rich flavor, selling at very high prices. They grow from two to two and a-quarter feet long, with deep, salmon-colored flesh, of good quality; by many preferred to any other variety, and a great curiosity. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Bay View. An early, vigorous growing and productive variety; large size, weighing twelve to fifteen pounds, and delicious flavor; desirable for market gardeners. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Japan Coral-Fleshed. A new variety, of round shape and densely netted; flesh thick, coral color, of excellent quality. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

White Japan. Early, of medium size, round, skin and flesh creamy white, orange centre, and of fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

CHOICE IMPORTED MUSKMELONS.

During our business travels in Europe, we have always taken a great interest in inspecting foreign melons during growth and testing their table qualities. The following varieties we have selected as the best out of some fifty tested on our trial grounds at home. They are all hardy and of fine flavor, quite equalling any of our best American varieties.

We offer seed of each of the following varieties at 10 cents per packet, or 3 packets for 25 cents:

NEW FRENCH MUSKMELON—De PASSY.

ALGIERS CANTALOUPE.

NEAPOLITAN WINTER.

Hardy Ridge or Prescott.

Italian and French varieties mixed.



A. J. JONES, Newport News Va., writes: "The Princess Melon is all that you represent. They were claimed to be the finest brought to this market. Many purchased to obtain the seed. All other seeds were fine."

JAS. O. WALTERS, Academy, Ohio, writes: "Your Princess Muskmelon surpassed in all respects any other raised here. The Christmas Watermelon is also a beauty."

M. E. POTTS, Glasco, Kan., writes: "I had a delicious Christmas Melon January 20th, and have a dozen in the cellar at the time I write, Feb. 2d. I have raised them for two years, and pronounce them truly a wonder."

PETER WOLL, Summit Station, Pa., writes: "I have raised a great many watermelons, but never any to give such satisfaction as Johnson's Christmas. Its keeping qualities are excellent. The last of a number that I had stored away was eaten on the 15th of January and was most delicious."

B. RICE, Atkinson, Neb., writes: "Your Stokes' Early Watermelon is a first-class variety in every respect. It is the earliest of all, of fine flavor and an excellent keeper."

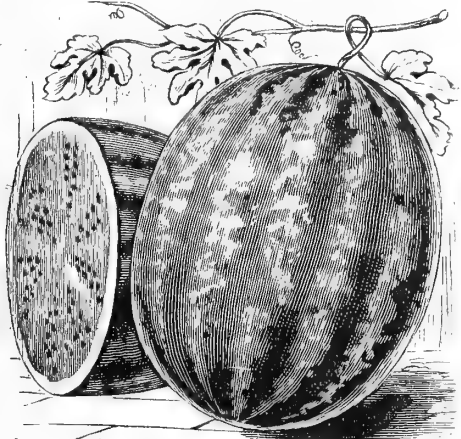
F. I. HULETT, Wales, Mass., writes: "The Johnson's Christmas Melon are the finest on sale in the town."

JNO. S. BRESSLER, Halifax, Pa., writes: "The Princess Melon cannot be overpraised, they are sweet, delicious, and a most salable melon. They come up fully to representation."

MELON, WATER.

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

JOHNSON'S DIXIE. An entirely new Southern variety, surpassing the celebrated Kolb Gem in productiveness and shipping qualities. See Novelties, page 3. Pkt., 15c.; oz., 40c.; 2 ozs., 75c.; 4 ozs., \$1.25.

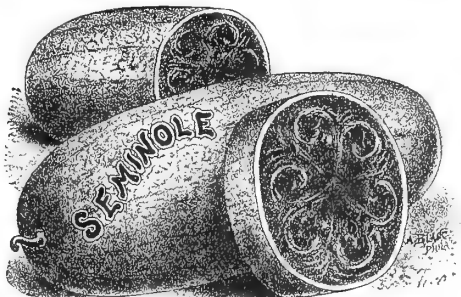


STOKES' EXTRA EARLY MELON.—EARLIEST OF ALL.

STOKES' EXTRA EARLY. This new melon, introduced by us, is, without doubt, the earliest of all. Our illustration, made from a photograph, shows their shape, which is nearly round, dark green skin, slightly mottled with white. The flesh is deep scarlet, remarkably solid, and in delicious, sugary flavor is unsurpassed by any other melon. Their average weight is about fifteen pounds. The seed is very small, being only about half the size of other melon seeds. They are also much more productive than the larger sorts, and for family use are quite unequalled. Pkt., 10c.; oz., 20c.; ¼ lb., 40c.; lb., \$1.25.

JERSEY BLUE. This variety has been grown with great profit by a few truckers in Northern New Jersey, where it originated a few years since. They grow to very large size, rather oval in shape, skin of deep blue color, slightly ribbed, with tough rind. Flesh, deep scarlet and of fine quality. We recommend them highly as a shipping melon. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 75c.

VICKS' EARLY. Highly prized for its earliness, grows oblong, medium size, but somewhat irregular in color of outside skin. Flesh pink, very solid and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.



SEMINOLE.

NEW SEMINOLE. This new watermelon comes from Florida. In our tests the past two seasons we found it one of the best of melons in quality, growing to an extra large size; extra early and very productive. All lovers of fine melons should give the New Seminole a trial. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

EARLY CALIFORNIA, or IMPROVED ODELLA. This is the most popular market variety grown in New Jersey, two weeks earlier than the Old Mountain Sweet, round to oval in shape, color light green, good quality and an excellent shipper; rind very tough, and grows to large size. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.; 5 lbs., \$2.25.

PHINNEY'S EARLY. Very thin rind; flesh scarlet, sweet, luscious; medium in size, oblong in shape, and very early. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

In Every Way the Most Desirable.

The Greatest Keeper of them All.

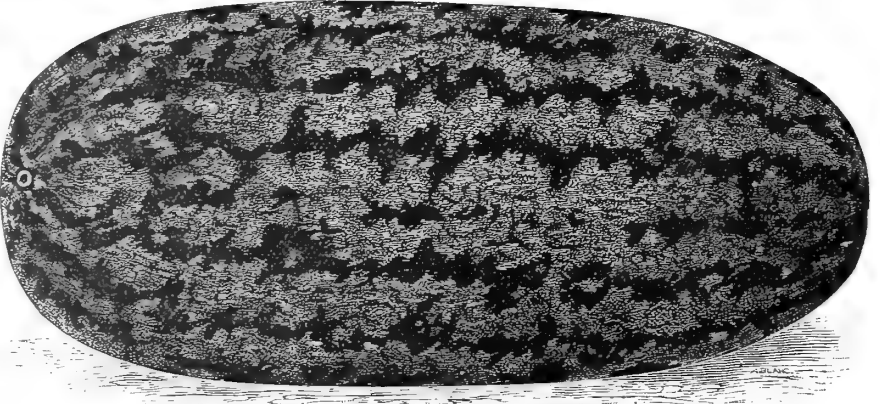


JOHNSON'S CHRISTMAS WATERMELON.

Our extensive experience in the growth of all varieties of watermelons for seed in past years, together with the assurance of hundreds of melon growers who have tested it, enables us to assert that *Johnson's Christmas Melon* will, when fully introduced, supersede nearly all other melons for shipping and keeping purposes. Since the original melon was discovered, in 1883, we have each year enjoyed one of these melons for both a Christmas and New Year's dinner, when, after being kept in our cellar for a period of three months, they cut open as fresh and delicious as the day they were picked. Their valuable keeping and shipping qualities are due to a peculiar, hard tenacious coating or outside enameling of the skin, which also gives them an exceedingly handsome and fresh appearance, even after being kept or allowed to remain on the vines for months after ripening. Notwithstanding the rind is quite thin, we have dropped them from a height of four feet without breaking or bruising. The flesh is of a beautiful rich scarlet, *very solid and of delicious, sugary flavor*. Its uniform size and handsome, fresh appearance, at all times, make it a *most salable variety*. Pkt., 10c.; oz., 20c.; 1/4 lb., 40c.; 1 lb., \$1.25; 5 lbs., \$5.00.

GIRARDEAU'S FLORIDA FAVORITE WATERMELON.

This new variety is a hybrid of the Rattlesnake and Pierson, the latter being a celebrated home variety in Florida. It is pronounced, by all who have grown it, the finest table melon extant; oblong in shape, as shown in the illustration; growing to very large size; rind dark with light-green stripes; flesh light crimson; very crisp and deliciously sweet. It ripens about ten days earlier than Kolb Gem, Iron-Clad or Rattlesnake. We offer seed grown by the originator, Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 80c.; 5 lbs., \$3.25.





KOLB GEM. This variety is more largely grown by Southern shippers than any other. It originated with R. F. Kolb, one of the largest melon growers of Alabama, and is a Hybrid of Sealy Bark and Rattlesnake. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor. All who have grown it agree in pronouncing it one of the largest, most productive, best keeping and shipping melons ever introduced. Many of our customers assert that they obtain from twenty-five to forty per cent. more in price for Kolb Gems than for any other variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, 60c. per lb.

THE BOSS. A distinct variety introduced a few years since. Skin is black green in color. Flesh deep scarlet, unusually sugary, crystalline and melting. The rind is very thin and tough, ripens early, and is enormously productive. This is considered by many the very best table melon for family use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Light Icing, or Ice Rind. Of round form, skin light color, thin rind and good quality, though not equal to the dark-skinned Sweet Icing, which it resembles in shape. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

DARK ICING. This variety combines all the good qualities essential to perfection. They grow to medium size, averaging in weight from twenty-five to thirty pounds, although we have known them to reach fifty pounds. The skin is dark green and firm. The flesh is a deep, rich scarlet, of delicious flavor; it is one of the best shipping and carrying melons grown. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by express or freight, 60c. per lb.

GREEN AND GOLD. This is a fine, new, large melon, with flesh of beautiful orange color, of delicious quality. We have tested this variety for two seasons and can recommend it as a fine, family melon, as well as a curiosity. Of course, the color is against it as a market variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MAMMOTH GRAY MONARCH. This new and distinct melon is, without doubt, the largest of all, frequently attaining a weight of ninety pounds and over. The skin is a mottled gray color, shape long, flesh bright crimson and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances and bringing very high prices. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

IMPROVED MOUNTAIN SPROUT. Large, long, dark green skin, good quality; a good market variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 5 lbs., \$2.25.

IMPROVED MOUNTAIN SWEET. A general favorite for market; early, large, flesh red, solid, rich and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 5 lbs., \$2.25.

Mountain Sweet. An old standard variety, large size, good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

ICE CREAM, or PEERLESS. True, white seed, of medium size, early, green skin, very thin rind, flesh solid, scarlet, crisp and of a delicious flavor; an excellent variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

PRIDE OF GEORGIA. This new melon originated in Monroe County, Georgia. The rind is dark green, shape nearly oval, and ridged like an orange; flesh rich scarlet, very sweet and crisp; attains a large size, and a good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BLACK SPANISH. Large, round, very dark green skin; flesh red, sweet and delicious; an excellent market variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

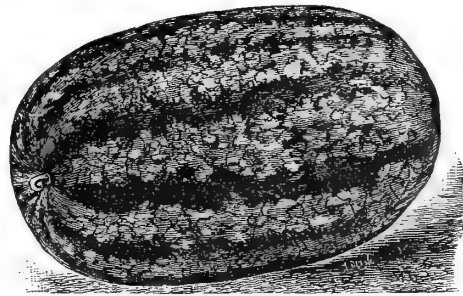
GEORGIA GYPSY, or RATTLESNAKE. A superior, early market variety; large, oblong; skin green, mottled and striped. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

THE VOLGA. A Russian variety. Cultivated on the lower Volga near the Caspian Sea, for shipment in barrels to St. Petersburg and Moscow. In solidity and hardness it is remarkable, and therefore carries well. In productiveness it surpasses most sorts, two melons being sometimes borne at adjacent joints of the same vine. In form it is nearly perfectly globular. In color it is so pale green as to be nearly white. The flesh is remarkably crisp, and when fully ripe, very sweet, luscious and red in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

OEMLER'S TRIUMPH. Originated on the borders of the Black Sea. The seeds are so small they can be swallowed without inconvenience. It is very early and productive. The color is a dark mottled green, and that of the flesh a dark red with an edging of orange yellow. Very sweet and delicious. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.

SCALY BARK. This variety originated in Georgia. The skin is dark green, quite smooth and has a peculiar scaly appearance. It is an unusually productive sort, the average weight of the melons being forty to fifty pounds, although it is not unusual for specimens to reach seventy pounds. The flesh is light crimson, solid, tender and of exquisite flavor; remains in choice eating condition long after being pulled. The rind, though quite thin, is remarkably tough. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

CUBAN QUEEN. Skin beautifully striped, dark and light green. Their flesh is bright red, remarkably solid, luscious, crisp and sugary; very solid and the best of keepers; excellent to ship to distant markets. They have been grown to weigh over one hundred pounds, and are enormously productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



MAMMOTH IRON-CLAD WATERMELON.

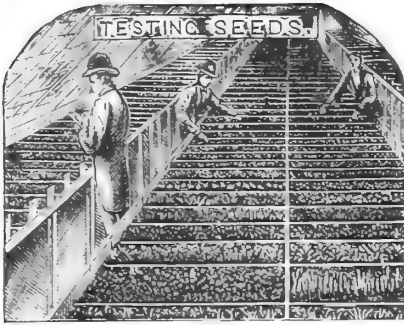
MAMMOTH IRON-CLAD. This melon grows to a very large uniform size, frequently weighing eighty pounds and over, and resembles in its markings the popular Cuban Queen. In shape and seed, however, it is quite distinct, being deeper and fuller at both ends, with seeds of drab-white color. They are enormous yielders, flesh very red, solid, and of excellent flavor. The rind is extremely tough and hard—hence their name, Iron-Clad—rendering them valuable for shipping. Our supply is grown from the originator's seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

EXCELSIOR. Very large, skin striped; flesh sweet and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

COLORADO PRESERVING. An improvement on the green preserving melon; enormously productive, and of better quality and making very clear, transparent preserves of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Green Citron. For preserving; small, round; flesh white and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

OUR PEDIGREE ONION SEED

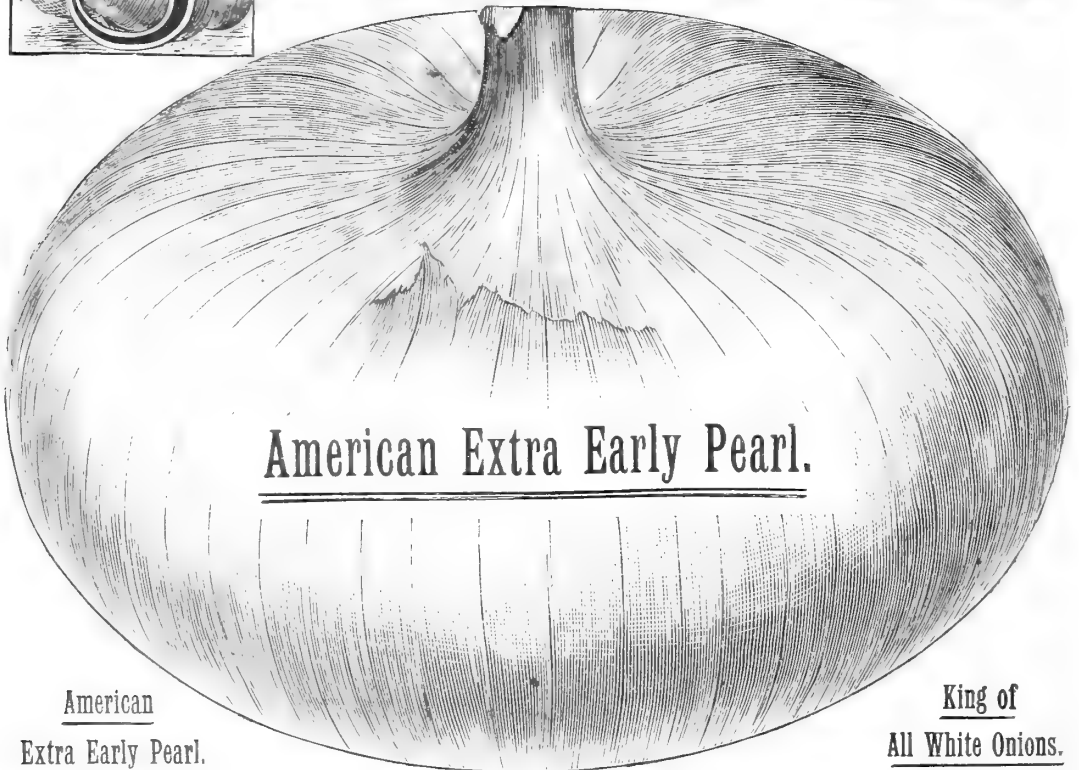


No one can appreciate the value of reliable seeds better than those who have been once disappointed, and too much care cannot be exercised in selecting your supply. There is no vegetable where the quality of the seed exerts a greater influence upon the crop than in onions. Our stock is all grown from choice bulbs, selected carefully 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 double our seed facilities for growing every year for several years past.

CULTURE. There is no crop, perhaps, more sure than that of onions. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Five hundred bushels per acre is a medium crop, while from eight to twelve hundred bushels are not unusual, under the best cultivation. There are three varieties of onions commonly raised, namely, red, white and yellow. The yellow ones take the lead, as they are more hardy, grow larger, and bear handling better than either of the other sorts. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time.

PHILADELPHIA-GROWN SEED, or such raised in that portion of Pennsylvania, is unquestionably earlier than New England seed, and still more so as compared with Western seed. This is an important feature, as the early marketed onions always bring the highest prices. The growth conclusively proves the assertion, 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, both North and South, at no greater cost than carrots, parsnips, beets, rutabagas, or the onion sets themselves, while the net return per acre will be from two to five times as great. Five pounds of seed will sow an acre for this purpose. To grow small sets, fifty pounds to the acre is required. Please read "What Onion Growers Say," on other pages.

SPECIALTIES IN ONIONS



American Extra Early Pearl.

American
Extra Early Pearl.

King of
All White Onions.

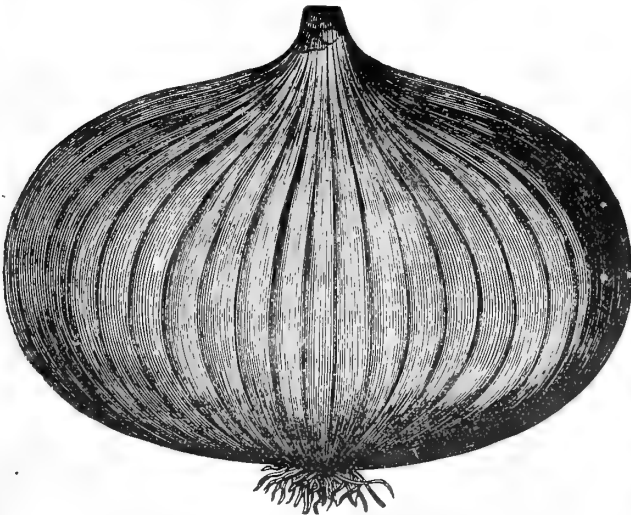
This remarkable new onion is the earliest and best of all the white varieties. It grows to enormous size, and shape, as shown in our illustration above; of pearly white color, the outer skin having a most showy, waxy appearance, flesh of a pure, snow white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity, reaching the first season, from seed, the enormous size of six to seven inches diameter, frequently weighing three to four pounds each. A splendid keeper, succeeding everywhere, and requiring only thin soil. Our seed of this wonderful variety is Philadelphia grown, and should not be confounded with a cheap, imported variety offered by some dealers as Silver White Ema, or Early Pearl, which is an entirely different onion, although somewhat resembling the American Extra Early Pearl in shape, being flatter, not as thick through, and it is vastly inferior in size and keeping qualities to the Genuine American Extra Early Pearl as grown and sold by us. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.50.

CROP OF FOUR PEDIGREE PHILADELPHIA YELLOW GLOBE DANVERS ONION

FROM A PHOTOGRAPH TAKEN ON OUR PENNSYLVANIA FARM AT SEEDING TIME

PHILADELPHIA YELLOW GLOBE DANVERS ONION.
PEDIGREE SEED.

This improved variety is pronounced by all market gardeners and onion growers everywhere, who have tried it, the very best strain of Yellow Danvers in cultivation. We have hundreds of such testimonials on file in our office, and regret we have not room on succeeding pages to publish more of them. It is the earliest yellow variety, largest in size, most perfect in shape, the largest cropper and the best keeper of all American onions. In fact, it is everything that could be desired as a market or table onion. Prices of seed grown from selected, hand-picked bulbs: Pkt., 10c.; oz., 20c.; ¼ lb., 45c.; lb., \$1.50, post-paid; 5 lbs. and over, by express or freight, \$1.33 per lb.



EXTRA LARGE RED WETHERSFIELD ONION.

EXTRA ∆ LARGE ∆ RED ∆ WETHERSFIELD ∆ ONION.

Onion growers who prefer the red varieties, will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. It is of the finest form, skin deep purplish-red, flesh purplish-white, much finer grained than many of the red sorts. Immense crops of this onion are grown each season, from our seed, by some of the largest growers in the United States, who realize the very highest prices for their crops. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.40; 5 lbs. and over, by express or freight, \$1.25 per lb.

WHITE ADRIATIC BARLETTA

NATURAL SIZE SPECIMENS.
 The earliest, neatest and smallest onion grown; valuable for pickling or table use. Its great rapidity of growth will astonish everyone who tries it. Pkt., 10c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.75.

ONIONS, American Varieties—Continued.

IVORY BALL and GOLDEN BALL are wonderful new onions. See Novelties, page 10.

EXTRA EARLY RED. Ten days to two weeks earlier than the Large Red Wethersfield, of medium size and deep red color, an abundant producer, and of good form and flavor, keeping well. It is well adapted to the cold, mucky soils of the North and Northwest, where other varieties fail to produce full-sized onions. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.60.

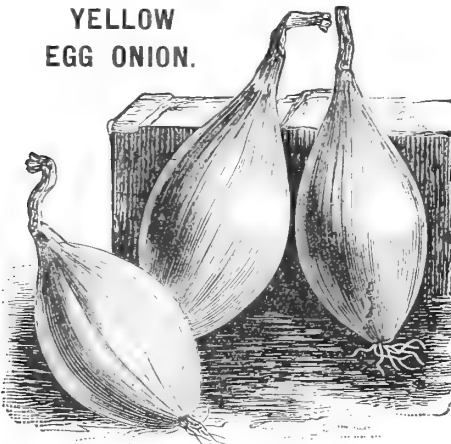
EXTRA EARLY RED GLOBE. A new variety, maturing as early as the Extra Early Flat Red, but of a beautiful globe shape, skin deep red, flesh mild and tender, an excellent keeper, and very desirable for early market use. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



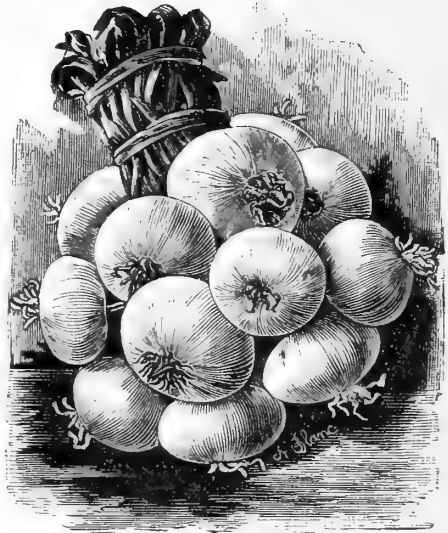
PHILADELPHIA YELLOW DUTCH, or STRASBURG. An excellent variety, bulbs quite flat, of good size, skin yellow, flesh white, of mild flavor, an excellent keeper. The most popular for sets. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40; 5 lbs and over, by express or freight, \$1.25 per lb.

SOUTHPORT LARGE YELLOW GLOBE. This new American variety is entirely distinct from the Danvers. It is a very handsome, round or globe-shaped variety, of large size, with thin yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early and sells readily at the highest prices in our markets. It is a most reliable variety for bottoming, and entirely free from scullions. Pkt., 6c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75; 5 lbs. and over, by express, \$1.60 per lb.

SOUTHPORT LARGE RED GLOBE. This variety is very similar to the Southport Yellow Globe in shape and size, but ripens somewhat later, maturing a few days later than the Red Wethersfield. It is a splendid keeper and in quality is superior to most other red varieties. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

YELLOW
EGG ONION.

NEW YELLOW EGG. A few gardeners, who have grown and controlled this handsome onion for several years past, have made a profitable thing out of it. Its shape is well depicted in our illustration. The flesh is pure white and of very delicate, fine flavor. The outside skin is a deep golden yellow. They are so very handsome and attractive that they sell at sight in market, and where known, are preferred over all other varieties. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.40.



NEW WHITE BUNCH ONION.

WHITE BUNCH. This new variety is unquestionably the best onion for selling in bunches or using in a green state. It is a very vigorous grower and produces large, showy, white onions of the finest quality. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

ROUND YELLOW DANVERS. Our superior stock of this celebrated variety is of fine shape; grows to good size, with thin yellow skin, white flesh, fine grained, mild flavor, and excellent quality. It ripens early, frequently producing from six hundred to eight hundred bulbs to the acre; keeps well and is considered a splendid sort. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40, post-paid. By express or freight, in quantities of 5 lbs. and over, \$1.25 per lb.

WHITE PORTUGAL, or SILVER SKIN. A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white onion to grow largely for sets. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.15; 5 lbs. and over, by express, \$2.00 per lb.

WHITE GLOBE. A large, firm, globe-shaped variety, with white skin; fine flesh; handsome in shape and a good keeper. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

HARD ROUND SILVER SKIN FOR PICKLING. The best onion for pickling, producing uniform small, round handsome onions, with pure white skin, never turning green from exposure. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



1020 BUSHELS TO THE ACRE.

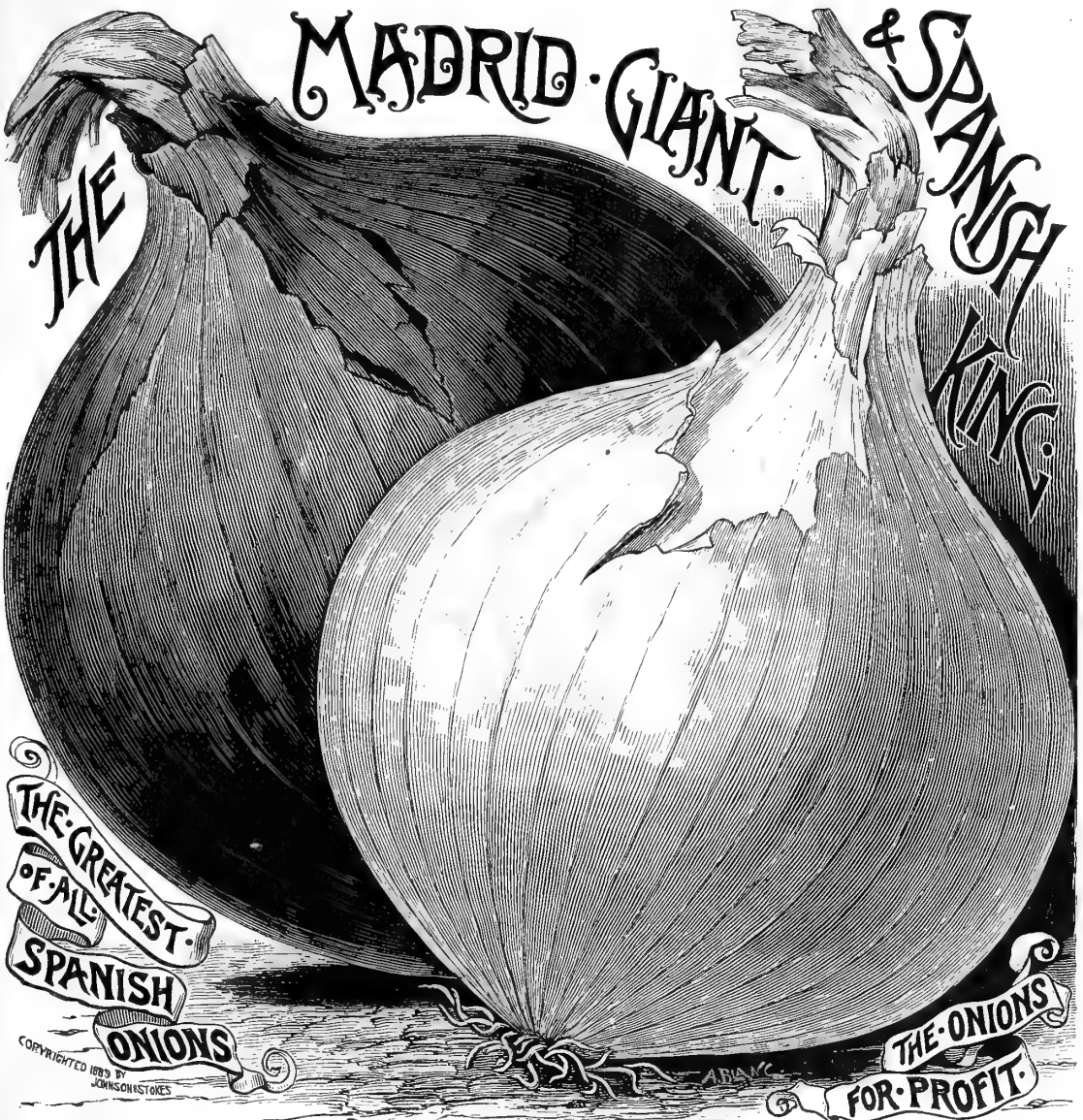
M. L. HOUSTON, Shawneetown, Ill., Sept. 16, 1889, writes: "I was very much pleased with all the seeds purchased of you, especially the Extra Large Red Wethersfield Onion, they take the cake in yield and flavor. I planted one-twentieth of an acre measured land last spring, and gathered in August 51 bushels, or at the rate of 1020 bushels to an acre. I sold them for 50c. per bushel (the cheapest I ever knew onions to be in this section), this would be at the rate of \$510 per acre for the land. Can any farmer beat it with corn, wheat or timothy?"

THEY TOOK THE PREMIUM.

LEVI DECKER, Watson, Mich., writes: "Your Philadelphia Yellow Globe Danvers Onions were grand; there seemed to be ten onions for every one seed, turning out over 800 bushels to the acre. They took the premium at our fair."

WEIGHED OVER 4 POUNDS.

S. T. JONES, Cleveland, O., writes: "Your American Extra Early Pearl Onion is a wonder; I have several specimens over four pounds in weight, measuring fifteen to twenty inches around. They are much earlier and surpass both Silver King and Pompei in size and beauty; don't think their equal can be found."



NEW SPANISH ONION, MADRID GIANT.

This new variety, which we first introduced into America last spring, is the largest and most popular onion grown around Madrid, the Spanish Capital, from whence we have obtained the seed. It possesses the large size, mild flavor, excellent keeping, and all other good qualities of the celebrated Spanish King, but differs from that variety in its handsome red skin, which, in contrast with its pure white, fine grained flesh, attracts marked attention in market, when offered for sale. It is also claimed by the Spanish growers, that the Madrid Giant grows quicker and can be grown at least one-third larger than any other sort. We believe there is a great future here for these Spanish varieties of onion, as instead of the tops dying down or running to seed, as is the case with American varieties, they keep on growing the entire season, thus attaining enormous weights and dimensions. A number of specimens sent in to us by customers, to whom we had sent seed, had attained a weight of five pounds and over. They are worthy of a trial from all market gardeners and onion growers. We hope that every customer who grows an onion will include at least a packet of the wonderful Madrid Giant in their order. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

THE SPANISH KING, OR PRIZE-TAKER ONION.

We first introduced this handsome Spanish variety in America three years ago and have received hundreds of testimonial letters from growers, who all agree in pronouncing the Spanish King the largest, handsomest and most profitable variety they have ever grown. The outside skin is of a rich yellow color, while the flesh is white, sweet, mild and tender. They bottom well, are free from stiff necks, and have produced more bushels (1127) of marketable onions to the acre than any other variety known in America. In market it attracts marked attention, and although only offered to a limited extent has always been picked out and selected at three times the prices of any other sort on sale, either red, white or yellow. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Please read "What Onion Growers Say" on preceding page.

ITALIAN ONIONS.

The following varieties we have imported from the most reliable growers of Italy. They have all been tested and have proven a **perfect success** in every section of this country, and are **largely grown** for market, being milder in flavor than American varieties, and well adapted for early market and home garden use. They are of **wonderful quick growth**, forming **fine large onions** in a short time from sowing.

MAMMOTH SILVER KING. This mammoth variety is of attractive shape, with silvery white skin and flesh, of a most agreeable mild flavor. It matures a little later than our **Extra Early Pearl**, of flatter shape, reaching a very large size, and frequently measuring **twenty inches** in circumference, and weighing three to three and a half pounds. Pkt., 10c.; oz., 25c.; ¼ lb., 70c.; lb., \$2.50.

MAMMOTH POMPEII, or COPPER KING. Grows to enormous size; skin of a dark red color, flesh white, and unusually mild in flavor. Fine exhibition and market variety. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

BERMUDA. A large flat onion, skin thin and blood-red color, mild flavor, and of quick growth. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.

NEW GIANT RED ROCCA. This magnificent variety resembles the popular Brown Rocca in shape and size, except that the skin is of a beautiful bright red; flesh white and mild in flavor, growing to very large size. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

GIANT ROCCA OF NAPLES. Large, of globular shape, bright brown skin, and delicate flavor, sometimes weighing three pounds and over. Valuable and remarkably handsome. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

NEW GOLDEN QUEEN. This new Italian variety is a perfect model. Skin of a delicate golden straw color. It possesses all the characteristics of rapidity of growth and good keeping properties for which the White Queen is famous. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

WHITE QUEEN. A rapid grower, white skin, of mild flavor, early, and remarkable for its keeping qualities. Pkt., 5c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.25.

GIANT WHITE ITALIAN TRIPOLI. (El Paso, or Large Mexican.) A large, white, flat onion, of mild flavor, and beautiful form. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.60.

ONION SETS.

We grow, each season, large quantities of white, yellow and red onion sets from our Philadelphia onion seed, which, being earlier, make sets of better quality for keeping or immediate use than that grown in any other section. Philadelphia-grown onion sets are everywhere recognized as the best and are annually supplied to dealers and gardeners in every market of the United States. As the price varies with the market, we shall be glad to quote prices by the bushel or barrel of three bushels when requested to do so.



- YELLOW ONION SETS**, per qt., 15c.; qt., post-paid, 25c.
- EXTRA EARLY RED ONION SETS**, per qt., 20c.; qt., post-paid, 30c.
- AMERICAN EXTRA EARLY PEARL ONION SETS**, per qt., 40c.; qt., post-paid, 50c.
- WHITE ONION SETS**, qt., 25c.; qt., post-paid, 35c.
- POTATO ONION SETS**, per qt., 30c.; qt., post-paid, 40c.
- TOP ONION SETS**, per qt., 30c.; qt., post-paid, 40c.

We sell cheaper by the peck, bushel or barrel, and will quote special prices on application. We do not grow sets of the foreign onions.

PARSLEY.

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



MARKET GARDENERS' BEST. The best points yet obtained in Parsley have certainly been reached in this sort. The plant is of very robust and free growth, and is greatly improved by severe cutting. The leaves are large and beautifully curled and of a very dark green hue, and very fine for either open ground or frame culture. It stands heat, drought and cold better than any other sort. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

EMERALD, or DWARF EXTRA CURLED. Leaves tender, beautifully crimped; handsome bright green color, very ornamental. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Double Curled. A curled variety, for garnishing and seasoning. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

CHAMPION MOSS CURLED. Leaves crimped and curled like a bed of moss, giving a most beautiful decorative appearance. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

NEW FERN-LEAVED. Very curly, of fine form and color; used for garnishing as well as for a decorative plant. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Plain or Single. Dark green, with plain leaves; very hardy. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Hamburg, or Turnip-Rooted. A very popular variety in Europe. Fine, fleshy vegetable roots, which are used in soups, etc. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

PARSNIP.

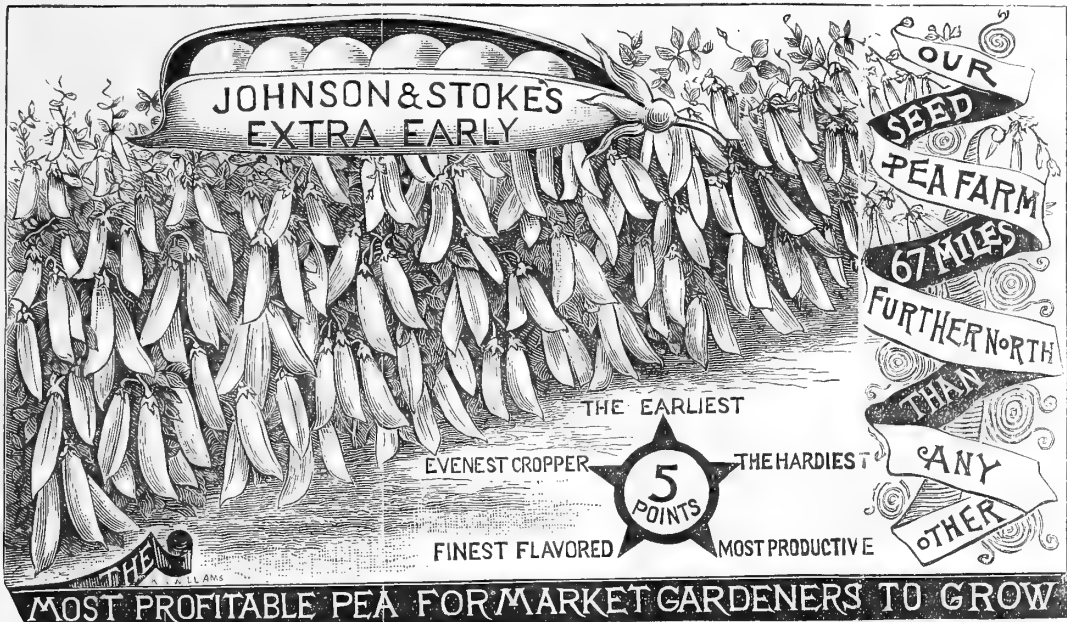
One ounce will sow about two hundred feet of drill; five pounds will sow one acre.

In comparing prices, please remember that we pay the postage on all seeds to be sent by mail. Customers ordering their seeds sent by freight or express are entitled to deduct eight cents per pound postage, which we have included in our prices.

NEW IDEAL HOLLOW CROWN. We offer 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 gardener. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Large Sugar, or Long Smooth. Roots long, white, smooth, tender, sugary, excellent flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 55c.





The Greatest Record of them all. Over 3500 Bushels of JOHNSON & STOKES' Selected Extra Early Peas were sold in 1889 to the Market Gardeners of the United States.

This Extra Early Pea, bearing our brand, is a careful selection of our own, and will be found entirely distinct and superior to any other. Our pea farm is situated sixty-seven miles farther North than any other, which largely contributes to their extreme earliness and fine dwarf habit. The pod is of a dark green color, of a full round shape, and of strong texture, which especially fits it for shipping long distances. On average soil it will not exceed eighteen inches in height, and does not require stakes or brush of any kind for support. So evenly do the pods fill up, that frequently the entire crop can be gathered at one picking, which is a very valuable feature for the Market Gardener. All those requiring a pea to withstand extreme cold weather should not fail to plant this sort. The far Northern point at which it is grown renders it almost proof against cold, and the best for early spring or late fall crop. While thousands of market gardeners have pronounced this pea unequalled in earliness, yield and regularity of growth, and in every sense a perfect trucker's pea, yet at the same time we know of no other variety more popular or better adapted to private gardens. Pkt., 10c.; pint, 30c.; qt., 50c., post-paid. Qt., 35c.; peck, \$1.15; bush., \$4.25; 5 bushel and over, \$4.00 per bushel, by freight or express.

PEAS.

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

Please remember that our prices on all Peas by the pint and quart include prepayment of postage by us. If ordered to be sent by freight or express, 8c. per pint or 15c. per quart may be deducted.

LARGE PACKETS OF ANY VARIETY, 10c. EACH.

Extra Early Varieties.

Those marked with a (*) are wrinkled varieties.

SUTTON'S SATISFACTION. The sweetest of all peas. See Novelties, page 11. Pkt., 15c.; pint, 40c.; qt., 75c.

BLUE BEAUTY. This new sort, though not as early as our famous Johnson & Stokes' Selected Extra Early, still has many points of merit to recommend it. It is a blue, round pea, the pods are of medium size, are borne in great profusion and are well filled. In quality and flavor it cannot be surpassed by any other early smooth sort. The vines are very uniform in growth, rarely reaching more than eighteen inches in height. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$2.00; bush., \$7.00.

CLEVELAND'S ALASKA. The earliest blue pea, very uniform in growth. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners; height, two feet. Pkt., 10c.; pint, 20c.; qt., 40c.; peck, \$1.25; bush., \$4.50.

Philadelphia Extra Early. (Carter's First Crop, or Early Kent.) An excellent variety, combining earliness and productiveness; height, two and one-half feet. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.50.

Laxton's Alpha. The earliest blue wrinkled marrow; prolific of fine flavor; pods large; height, two and one-half feet. Pkt., 10c.; pint, 20c.; qt., 40c.; peck, \$1.25.

AMERICAN WONDER. This pea is a hybrid between the Champion of England and Little Gem, and possesses the merits of both. It is the earliest wrinkled variety, growing to the height of ten inches; very robust, producing large, well filled pods of fine flavor. Pkt., 10c.; pint, 25c.; qt., 45c.; peck, \$1.60; bush., \$6.00.

McLEAN'S LITTLE GEM. A first early, green wrinkled marrow, very prolific and of superior flavor; height, one foot. Pint, 20c.; qt., 40c.; peck, \$1.35; bush., \$5.00.

Tom Thumb. Very dwarf, not exceeding ten inches in the richest soil, productive and of excellent quality. Pkt., 10c.; pint, 25c.; qt., 45c.

McLean's Blue Peter. (Blue Tom Thumb.) One of the earliest and hardest of the Tom Thumb varieties; blue seed, dark green pods, large peas of excellent quality; a capital bearer; height, nine inches. Pint, 20c.; qt., 40c.

Kentish Invicta. A productive blue variety, of excellent flavor; a good market variety; height, two feet. Pint, 20c.; qt., 40c.; peck, \$1.25; bush., \$4.50.

Improved Daniel O'Rourke. (First and Best.) Seven days later than Johnson & Stokes' Extra Early; very prolific; height, three feet. Qt., 35c.; peck, \$1.00; bush., \$3.75.

PREMIUM GEM. A fine, extra early, wrinkled variety; pods long and prolific; height, fifteen inches; fine for forcing. Pkt., 10c.; pint, 20c.; qt., 40c.; peck, \$1.35; bush., \$5.00.

PEAS—Second Early Varieties.

HORSFORD'S MARKET GARDEN. This new wrinkled pea is the result of a cross between the Alpha and American Wonder. It requires no brushing, is extremely prolific, and bears its pods in pairs. One hundred and fifty-four pods have been counted on a single plant. Height, two feet. Pkt., 10c.; pint, 20c.; qt., 40c.; peck, \$1.35; bush., \$5.00.

McLean's Advancer. A fine market variety, prolific, early, tender and of delicious flavor; height, two and one-half feet. Pint, 20c.; qt., 40c.; peck, \$1.25; bush., \$4.75.

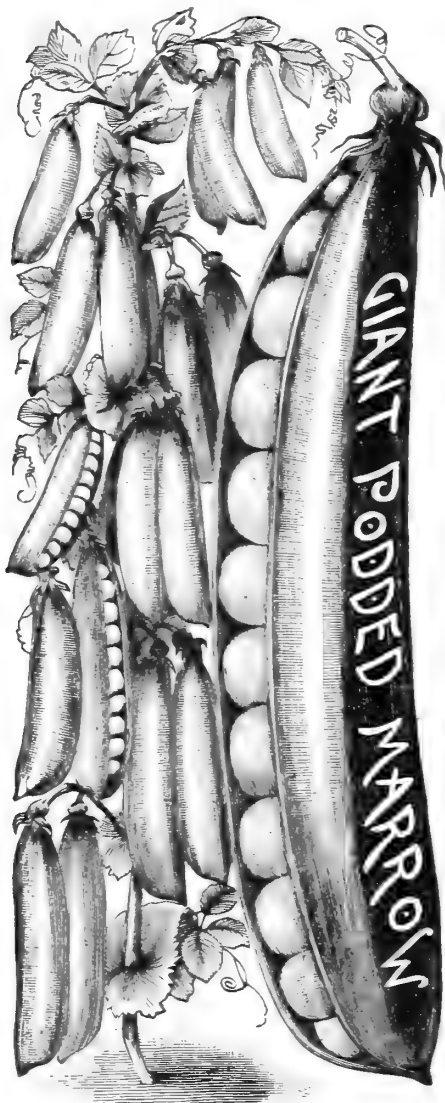
BLISS' EVERBEARING. This new pea is a cross between the Little Gem and the Champion of England; height, two feet; foliage large, firm and bright green; pods three to four inches long, each pod producing from six to eight large wrinkled peas; its habit of growth is of a peculiar branching character, forming as many as ten stalks from one root-stalk. Pint, 25c.; qt., 45c.; peck, \$1.50; bush., \$5.50.

BLISS' ABUNDANCE. This new variety is claimed to be the most prolific variety known. Plant about eighteen inches high; foliage large, thick, full and dark green. Pods, three to three and one-half inches long, roundish and well filled, containing six to eight large wrinkled peas of excellent quality. Pint, 25c.; qt., 45c.; peck, \$1.50.

PEAS—Late Varieties for General Crop.

Large Pkts., 10c. each, post-paid.

* **LAXTON'S EVOLUTION.** A new pea from England, growing about three feet in height, branching and bearing continuously the whole season; pods are very fine and large, containing eight to ten fine large wrinkled peas of unusually rich, sugary flavor. Pkt., 10c.; pint, 30c.; qt., 50c.



NEW GIANT PODDED MARROW PEAS.

NEW GIANT PODDED MARROW. This grand new pea gave wonderful satisfaction to all who planted it last season. It grows about two feet high, and bears enormous, handsome pods, seven to eight inches in length and well filled with large, deliciously flavored, deep green peas from top to the bottom of the pod, as shown in our illustration. They are unequalled in productiveness, require no support, owing to their fine dwarf stocky habit, and are such heavy croppers that we know of no pea from which so large a bulk of produce can be obtained from a given number of vines. This variety is much harder than either the Telephone or Stratagem, and can be planted much earlier in consequence; it matures about ten days later than our famous Johnson & Stokes' Selected Extra Early, making a valuable Second Early as well as our finest Late Pea. Your garden will not be complete without this grand pea. Try it. Pkt., 10c.; pint, 35c.; qt., 60c.; peck, \$2.25; bush., \$8.50.

* **LONG ISLAND MAMMOTH (New).** A general favorite with the Long Island market gardeners (where it was originally introduced), being an excellent cropper. Pods large size, and well filled with peas of very good quality, and earlier than the Champion of England. We particularly recommend this variety for market use. Seed green, height, three and one-half feet. Pint, 35c.; qt., 60c.; peck, \$2.00.

* **CARTER'S STRATAGEM.** A remarkably fine, new English variety, deserving the strongest praise. Height, two feet, literally covered with large handsome pods, often over six inches in length, and containing from nine to ten very large, fine flavored peas. It is more sensitive to cold or wet weather than any other wrinkled sort, and on this account should not be sown until the ground is warm. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$1.75; bush., \$6.50.

* **PRIDE OF THE MARKET.** Another famous new pea from England, although introduced there but a few years since, has become one of the most popular market peas. It bears very long pods, filled with fine, large peas of superb quality. Height, one and one-half feet. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$1.60; bush., \$6.00.

* **CARTER'S TELEPHONE.** A very robust and productive English wrinkled variety, with long pods, containing ten to twelve very large, fine flavored peas. It is an enormous cropper; height, four and one-half feet. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$1.75; bush., \$6.50.

* **CHAMPION OF ENGLAND.** One of the most popular wrinkled varieties; of delicious flavor; a profuse bearer; height, five feet. Pint, 20c.; qt., 40c.; peck, \$1.25; bush., \$4.50.

* **Yorkshire Hero.** A large, wrinkled, luscious and prolific variety; pods long, round and closely filled; for late crop it has few equals; height, three feet. Pint, 25c.; qt., 45c.; peck, \$1.35; bush., \$5.00.

* **DWARF BLUE IMPERIAL.** A favorite with market gardeners; a good bearer; fine flavor; height, two and one-half feet. Pint, 20c.; qt., 35c.; peck, \$1.00; bush., \$3.75.

* **ROYAL DWARF WHITE MARROWFAT.** A large, delicious marrow pea; an excellent cropper, and a favorite with market gardeners; height, two feet. Pint, 15c.; qt., 30c.; peck, 75c.; bush., \$2.50.

* **Dwarf Sugar.** Edible pods when young; fine flavor; used like snap beans, also as a shelled variety; height, two feet. Pkt., 10c.; pint, 30c.; qt., 50c.

* **Large White Marrowfat.** A favorite late variety; with broad well-filled pods; height, three feet. Qt., 30c.; peck, 65c.; bush., \$2.15; 5 bush. and over, \$2.00 per bush.

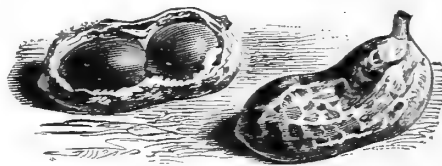
* **Black-Eyed Marrowfat.** This, as well as the White Marrowfat, is extensively grown as a field pea; hardy, productive, well-filled pods; height, three feet. Qt., 30c.; peck, 60c.; bush., \$2.00; 5 bush. and over, \$1.85 per bushel.

PEAS—Field Varieties.

* **Southern Black-Eye Cow Peas. (Whippoorwill.)** Used for soiling. Qt., 30c.; bush., \$1.75.

* **Canada Field Peas.** Used as feed for pigeons, etc., and grown for canning; in a green state they are similar to the canned French peas. Qt., 30c.; bush., \$1.75.

PEANUT OR GROUND PEA.



* **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. Full directions for planting, growing and harvesting printed on each packet. Large pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

OKRA—Gumbo.

One ounce will plant one hundred hills.

* **IMPROVED DWARF PROLIFIC.** A distinct variety, growing about fourteen inches in height. Grown in competition with the ordinary dwarf, the stalks produced twice the number of pods, which are very smooth and beautiful. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

* **NEW WHITE VELVET.** This distinct and beautiful new okra was originated in Georgia, and is very highly praised by all Northern gardeners who have tested it. The pods are much larger than those of any other sort, perfectly smooth, never prickly, round, not ridged or square as in other okras. It is by far the most productive in cultivation. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

PEPPERS.

PROCOFF'S GIANT AND NEW CELESTIAL are marvellous new varieties. See Novelties, page 16.

BELL, or BULL NOSE. A large early variety, of mild flavor, rind thick and fleshy; the best for pickling. Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., \$2.25.



NEW OX-HEART.

NEW OX-HEART. A small, heart-shaped pepper, of medium size, excellent for pickles; one of the best. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

Golden Dawn. This pepper in shape and size resembles the Bell. Color a bright yellow, and very productive. For beauty of growth they are worthy a place in the flower as well as the vegetable garden. They are entirely exempt from any fiery flavor, and could be eaten as readily as an apple. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

NEW DWARF EARLY RED SQUASH. This variety is a great improvement over the old Red Squash Pepper, being decidedly early and more prolific. It is of a dwarfier growth, while the fruit is rounder, smoother and milder in flavor; the skin is also much thicker. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$3.00.

RUBY KING. Our patches of this new pepper have attracted much attention. They grow to a larger size than the Spanish Monstrous, and of different shape. The fruits are five to six inches long by about three and a half inches through, of a bright red color. They are remarkably mild and pleasant in flavor, having no fiery taste whatever. Single plants ripen from eight to ten fruits, making them both productive and profitable. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$3.00.

RED CLUSTER. This new pepper is undoubtedly a sport of the Chili, which it slightly resembles, the leaves and fruits are smaller, while it is much more productive, the fruits being curiously crowded together, making the plants extremely ornamental as well as useful. The peppers are very hot, long and thin in shape, and of conspicuous coral red color. Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., \$3.50.



Pkt., 10c.; 3 pkts., 25c.; oz., 40c.

MAMMOTH GOLDEN QUEEN. This is not only the best and most profitable mild pepper in cultivation, but is by far the largest, handsomest and most productive of all varieties; originated on our own grounds, growing to twice the size of Golden Dawn, and averaging a third larger than Ruby King, of the most perfect shape and uniform large size. The above illustration we have had made from a photograph of a single fruit. They grow from fifteen to twenty perfect fruits, from eight to ten inches long and four to five inches through on a single plant. In color they are bright, waxy, golden yellow, and so mild in flavor they can be eaten like tomatoes, with pepper and vinegar. Our best market gardeners say they sell in market at double the prices of any other sorts, and are exceedingly valuable for stuffing as mangoes. If you want to be astonished, try the Mammoth Golden Queen. Pkt., 10c.; 3 pkts., 25c.; oz., 40c.; 2 oz., 75c.; ¼ lb., \$1.00; lb., \$4.00.

Sweet Mountain, or Mammoth. Similar to the Bull Nose in shape and color, but larger and milder. Pkt., 5c; oz., 25c.; ¼ lb., 75c; lb., \$2.50.

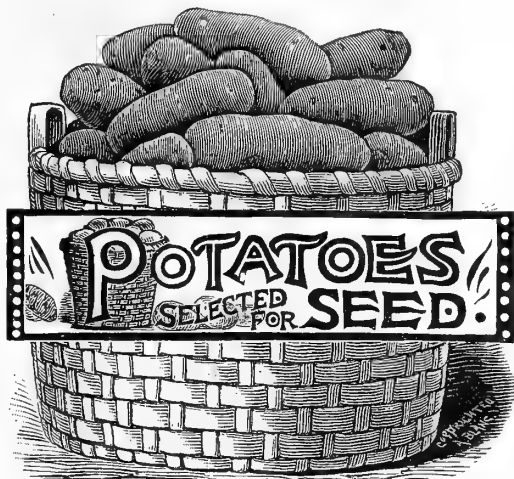
LARGE SWEET SPANISH. Productive, mild flavor, fine for pickling. Pkt., 5c; oz., 20c.; ¼ lb., 60c; lb., \$2.25.

Long Cayenne. From three to four inches long, of a bright red color, very productive and hot. Pkt., 5c; oz., 25c.; ¼ lb., 75c; lb., \$2.50.

Spanish Monstrous. A very large variety; very sweet; of good flavor. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Cheese. A large, cheese-shaped variety; used for pickling. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Cherry Red. A beautiful ornamental variety; fruit round, of a rich glossy color, and very hot; used for seasoning. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.



We make the selection of seed potatoes a specialty. Our stock is grown in the far North, by the most reliable growers, and for purity and superior quality cannot be excelled.

PLEASE NOTE. As prices are subject to fluctuation, and may advance later in the season, we would request that our customers send in their orders as soon as possible after receiving our Manual. All orders accompanied by the cash 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 weather becomes settled, in early March, which will be in ample time for planting. To freeze potatoes, when packed in tight barrels, requires extremely cold weather. We ship each season several thousand barrels seed potatoes to nearly all sections, North, East and West, and rarely receive a complaint of freezing.

We make no charge for bags, barrels or cartage. We will quote special prices on five barrels or one variety.

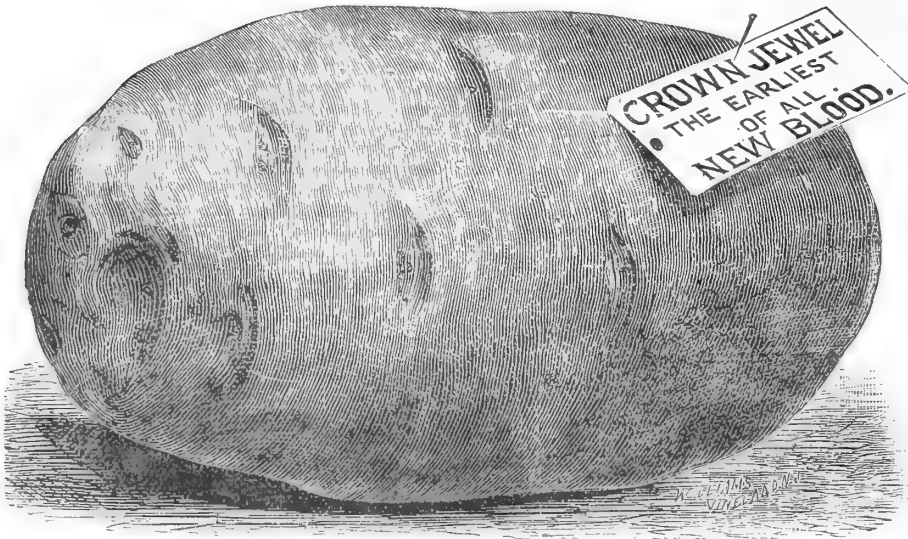
The following varieties have been tested in various parts of the country, and have met with unqualified approval. They are selected as those most worthy of consideration and tried excellence, and known to be good.

POTATOES BY MAIL. All potatoes, excepting CROWN JEWEL and RURAL NEW YORKER No. 2, will be sent by mail, postage prepaid, at 30 cents per pound; 4 pounds for \$1.00, carefully labelled and packed.

EARLY GEM. With the exception of the Crown Jewel, this is the earliest variety we have ever grown. It is medium size, oval, oblong in form, very smooth, the eyes being shallow and few in number, very light pink or flesh color; flesh white, fine grained and of excellent quality; cooks very mealy. Peck, 65c; bush., \$1.75; bbl., \$4.00.

EARLY MAINE. This new variety was originated from a seed-ball of the Early Rose, which it resembles. They grow very smooth, and are remarkably early and productive. Raised on a large scale, they yielded, in Massachusetts, as high as four hundred and ten bushels to the acre. Peck, 65c; bush., \$1.75; bbl., \$4.00.

CLARK'S No. 1. Earlier than the Early Rose and much more productive. Four hundred and fifty bushels have been grown on one acre without extra cultivation. In shape it resembles Early Rose, but of lighter color; it cooks very mealy and of excellent flavor. Peck, 65c.; bush., \$1.75; bbl., \$3.75.



The Crown Jewel Potato.

We have been growing this valuable new potato for five years, and feel we cannot say too much in its praise, as every claim we have made for it has been fully substantiated. It is a seedling of the Early Ohio. The seed-balls were found in a large field of that well-known variety and it partakes of all the pure and unadulterated qualities of its excellent parent, without any admixture of baser blood. Grown in competition with the Early Ohio, Early Rose and Sunrise, it more than doubled the yield of any of them; under precisely the same conditions, they were ready to dig ten days earlier. The Crown Jewel is a strikingly beautiful potato, the shape is well depicted in our illustration, skin is white and smooth, eyes shallow but strong, flesh pure white and floury, cooking evenly throughout. The vines grow vigorously, the roots extend very deeply into the soil, thus resisting drought, and its keeping qualities are equal to the best. Lb., 40c.; 3 lbs., \$1.00, post-paid by mail; peck, 90c.; bush., \$2.50; bbl., 2 1/4 bush., \$5.00, by freight or express.

What * They * Say

BY FAR THE EARLIEST.

CHRISTOPHER PRIER, Appleton City, Mo., Sept. 2, 1889, writes: "The Crown Jewel is by far the earliest potato I ever knew. I raised sixty-four pounds of potatoes from a single pound bought of you. I had the finest garden around here, and will buy all my seed in the future from you."

A JEWEL INDEED.

J. Z. TAYLOR, Deal's Island, Md., writes: "A 'jewel' indeed I find in the Crown Jewel Potato, which was fit to eat ten days ahead of any other variety, and yielded beyond anything I ever saw; tops short; will grow in poorest of sandy soil. I am an experienced trucker, and know of what I am talking. My first shipment was ahead of any in the State, and brought seventy-five cents more per barrel. There is a fortune in them for somebody."

THE LARGEST YIELD.

HENRY W. SATTERTHWAITTE, Fallsington, Pa., writes: "The Crown Jewel turned out very fine. The largest yield I ever had. They beat the Early Rose in every way."

TWO WEEKS AHEAD.

H. B. MINER, Mediapolis, Iowa, writes: "Crown Jewel were dug in seventy-six days from the time of planting. They beat the Early Ohio more than double in yield and two weeks quicker in growth. The ground was not manured at all."

SUPERIOR TO EIGHT OTHER VARIETIES.

I. F. BIENSINGER, Slatington, Pa., writes: "I planted the Crown Jewel Potato by the side of eight other varieties; find it far superior in yield, earliness, size and quality."

CROWN JEWEL BEATS THEM ALL.

J. C. BISHOP, Heyworth, Ill., writes: "The Crown Jewel Potato I got from you beats them all. None other compares with them in earliness and yield."

LEE'S FAVORITE. This new potato is said to be a week earlier than Beauty of Hebron, resembling the Early Rose in shape, but with lighter skin. It has yielded over four hundred bushels to the acre, and its quality is all that can be desired. Peck, 65c.; bush., \$1.75; barrel, \$3.75.

THE POLARIS. This new potato originated in Northern Vermont. We secured seed and have grown it on an extensive scale the past season with the most satisfactory results. It is of long oval shape and creamy-white in color, cooking as white as the finest flour; is hardy, prolific, handsome, early and a good keeper. With the originator it has yielded at the rate of six hundred bushels per acre. It has made for itself a wonderful record during the last few years wherever grown. Peck, 65c.; bush., \$1.75; bbl., \$4.00.

PEARL OF SAVOY. This new variety is a cross of Clark's No. 1 and Extra Early Vermont. Quite as early as the Early Rose; very productive and vigorous in growth. The tubers are oblong, fair and of large size; the flesh is pearly-white. Peck, 60c.; bush., \$1.75; bbl., \$3.75.

PRINCE EDWARD ISLAND EARLY ROSE. Our stock of this popular variety is imported direct from Prince Edward Island, where we find them in their original purity, most of the stock of Early Rose now grown in the States being mixed and inferior in productiveness. Peck, 60c.; bush., \$1.50; bbl., \$3.50.

BLISS' TRIUMPH. This variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose, is much more productive and matures its crops at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; color a beautiful light red, strongly resembling the early varieties from Bermuda; flesh fine grained and excellent flavor. The tubers grow compactly in the hill and are easily harvested. An excellent keeper and inclined to sprout early. It seems peculiarly adapted for cultivation in the Southern and South-western States. It is one of the few varieties that has been steadily improving instead of deteriorating by age. Peck, 75c.; bush., \$2.00; bbl., \$4.50.

AMERICAN MAGNUM BONUM. This potato is a seedling of the good old Peachblow, and somewhat resembles that variety. They are very early, even in size, free from all disease, very productive and the best of keepers, and do equally well planted early or late. Flesh white, and when boiled or baked are mealy, white as snow, and will keep until June. Peck, 65c.; bush., \$1.75; bbl., \$3.75.



▲ NEW ▲ EARLY ▲ PURITAN ▲ POTATO ▲

This new variety originated with Mr. E. L. Coy, of Washington County, N. Y., originator of the well-known and popular early Beauty of Hebron. Mr. Coy says his Early Puritan far excels the Beauty of Hebron in productiveness and quality, which indeed is saying a great deal in its favor. The skin and flesh is very white, it cooks dry and mealy, even when half grown. It ripens with the Early Rose, greatly exceeds it in productiveness, the vines grow strong, fast and vigorous, standing up firm as a tree. Lb., 30c.; 4 lbs., \$1.00, post-paid. Peck, 75c.; bush., \$2.00; bbl., \$4.50.

NEW SEEDLING POTATO—RURAL NEW YORKER No. 2.

This potato, offered for the first time last season, originated on the experimental grounds of *The Rural New-Yorker*, where more than five hundred varieties have been tested practically during the past twelve years. It has been tried there and elsewhere for several years with much care, and critically watched by its experienced originator for the development of weak points, any of which would have caused it to be promptly discarded. So far it may well lay claim to being very nearly a perfect potato.

The "Rural New-Yorker No. 2" is a potato of most distinct appearance and could readily be distinguished among a hundred others. It is very large and unusually smooth, with few and shallow eyes; in form it is oblong, inclining to round, as shown in our illustration above, made from a photograph; the skin is white, as is the flesh, which is of superior quality. In maturity the variety is intermediate, and its solidity and vigor are such that it has rotted less in very wet seasons than any of the numerous sorts grown with it. The vines are heavy and strong and the yield of handsome tubers of great uniformity of size is unusually large—less than ten per cent. of the potatoes dug have been of unmarketable size.

A WONDERFUL PRODUCT. The "Contest Experiment Plot" on the *Rural* grounds was dug on September 28, 1888, in the presence of a committee of five distinguished agriculturists, who make a sworn statement that the yield of the Rural No. 2 was at the rate of 1076 bushels to the acre. Per lb., 40c.; 3 lbs., \$1.00, post-paid; peck, 90c.; bush., \$2.75; bbl., \$6.00, by freight or express.

THE SUPERIOR, or COY'S SEEDLING No. 88. A seedling of the White Star, which it strongly resembles. Skin and flesh very white, of excellent quality. They grow vigorously and ripen medium late. Peck, 65c.; bush., \$1.75; bbl., \$4.00.

CHAS. DOWNING. An extra early variety, with beautifully netted skin, flesh white and excellent in quality. In growing it, however, we do not find it adapted to light soil. Peck, 65c.; bush., \$1.75; bbl., \$4.00.

GARFIELD. A seedling of the Early Vermont hybridized with the Excelsior. Flesh white and mealy, very productive and a strong grower; a superior market variety. Peck, 65c.; bush., \$1.75; bbl., \$3.75.

MAMMOTH PEARL. This medium early variety is very smooth and uniform, eyes even with the surface, skin white; for the table it cooks like a ball of flour, and as white as snow, evenly to the centre. The vines grow fast and strong and yield well. Peck, 60c.; bush., \$1.50; bbl., \$3.50.

MORNING STAR. A promising new variety. Although a pure-bred seedling of the Beauty of Hebron, it bears little resemblance to that variety. Color pure white, form oval to oblong, eyes even with the surface, quality excellent; the vines make a strong and vigorous growth; somewhat later than the Late Beauty of Hebron. Peck, 65c.; bush., \$1.75; bbl., \$4.00.

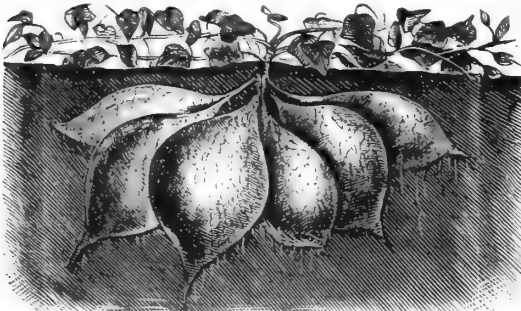
POTATOES—Continued.

The following **STANDARD VARIETIES** are so well-known that we do not give them a detailed description.

- EARLY SUNRISE.** Peck, 65c.; bush., \$1.75; bbl., \$3.75.
- EARLY OHIO.** Peck, 65c.; bush., \$1.75; bbl., \$3.75.
- EARLY BEAUTY OF HEBRON.** Peck, 60c.; bush., \$1.50; bbl., \$3.30.
- EXTRA EARLY VERMONT.** Peck, 60c.; bush., \$1.50; bbl., \$3.50.
- MAINE, or HULTON EARLY ROSE.** Peck, 60c.; bush., \$1.50; bbl., \$3.50.
- EMPIRE STATE.** Peck, 60c.; bush., \$1.50; bbl., \$3.50.
- MAMMOTH PROLIFIC.** Peck, 65c.; bush., \$1.75; bbl., \$3.75.
- WHITE STAR.** Peck, 60c.; bush., \$1.50; bbl., \$3.50.
- WHITE PEACHBLOW.** Peck, 60c.; bush., \$1.75; bbl., \$3.75.
- WHITE ELEPHANT, or LATE BEAUTY OF HEBRON.** Peck, 60c.; bush., \$1.50; bbl., \$3.50.
- BELLE.** Peck, 65c.; bush., \$1.75; bbl., \$3.75.
- BURBANK'S SEEDLING.** Peck, 60c.; bush., \$1.50; bbl., \$3.40.
- PEERLESS.** Peck, 60c.; bush., \$1.50; bbl., \$3.40.

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. We pack them for shipment, in boxes and barrels, with the greatest care; but as they are very susceptible to climatic changes, we cannot hold ourselves responsible for their condition on arrival after long journeys of several hundred miles.



NEW EXTRA EARLY CAROLINA SWEET POTATO.

SWEET POTATO—EXTRA EARLY CAROLINA.

This wonderful variety originated in North Carolina, and is far superior to all other varieties in earliness, productiveness and quality. Of a bright yellow color, shape nearly round, and shorter than the ordinary varieties. Will produce fine edible tubers in ten weeks from planting slips. Owing to its extreme earliness, it is better adapted to cultivation in the Northern States than any other variety. Does well on any ordinary soil, and is the best of keepers. Price, per peck, \$1.00; bush., \$2.75; bbl., \$6.00. Price of plants, ready May 1st, \$1.00 per 100, by mail, post-paid; 75c. per 100, \$5.00 per 1000, by express.

NEW JERSEY SWEET AND EARLY NANSEMOND. The justly celebrated Philadelphia Sweet Potatoes, universally grown for Philadelphia and New York markets. Peck, 65c.; bush., \$1.75; bbl., \$3.75.

Plants of the above varieties ready May 1st. 75c. per 100, by mail, post-paid; 50c. per 100; \$2.50 per 1000, by express.



SUPERIOR TO ALL OTHERS.

J. P. SENN, Ennoree, S. C., writes: "The Extra Early Carolina Sweet Potatoes are superior to all others, in earliness, quality and yield. Slips planted May 11th produced fine potatoes July 20th. Your cabbage made finest solid heads. All the seeds I have purchased from you have been more than you claimed them to be."

640 BUSHELS PER ACRE.

H. L. WYSON, Newberne, Va., writes: "The Extra Early Carolina Sweet Potato is the best I have ever grown in earliness, quality and productiveness: on one-eighth of an acre I raised eighty bushels fine potatoes."

UNEQUALLED IN THE COUNTRY.

JOHN H. JOHNSON, Cuba, Ky., writes: "The seed I bought of you last season gave wonderful results. Our garden was unequalled by any in this country. Your cabbage and onions could not be beat; the best ever seen in this section."

The Concave and Curved Seed Potato Knife

Is thin and right shape to cut to 1, 2 or 3 eye pieces, fast and not crack the tuber or injure the germs. Endorsed by planters everywhere, thousands now in use.



Give this knife a fair trial and if you are not satisfied that it will pay you to cut your potatoes with it, return to us and we will refund your money. Illustrated circular showing structure and full directions for cutting with each knife. Price, 35c. post-paid.

PUMPKIN.

One pound will plant two hundred to two hundred and fifty hills; four to six pounds are required to plant one acre.

GREEN STRIPED, or IMPROVED CASHAW.

This is a great improvement on the well-known Yellow Cashaw Pumpkin in very many respects, and those who have thus far grown them ignore the Yellow Cashaw entirely. They are much more beautiful in appearance, being a distinct mottled green and white striped. The flesh is a rich yellow color, solid, fine grained, very thick, sweet and excellent for pies, and equally good for baking. They are very hardy, bugs seldom bother them, can be grown among the corn, and yield a much heavier crop than Yellow Cashaw, and better for stock feeding. They are hard to beat. Try them. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

NEW JAPANESE PIE PUMPKIN. This remarkable variety comes from Japan, and has proven a valuable addition to our pie and cooking pumpkins. The flesh is very thick, nearly solid, the seed cavity being very small in one end of the pumpkin, unusually fine grained, dry and sweet, having much the same taste and appearance as sweet potatoes. The outside skin is handsomely striped with light and dark shades of green. They ripen early, keep well and produce largely. The seeds are peculiarly marked and sculptured in Japanese characters. Pkt., 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.



TENNESSEE SWEET POTATO PUMPKIN.

TRUE TENNESSEE SWEET POTATO PUMPKIN.

Although not entirely new, we think so highly of this splendid pie and cooking pumpkin that we have had the above engraving made from a photograph, in which their shape is accurately shown. They grow to medium size, slightly ribbed; skin is a creamy white, lightly striped with green; flesh very thick, creamy-white, dry and fine grained; when cooked resembles sweet potatoes, but much more delicious in taste. The vines are hardy and enormously productive. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



THE GREAT PRIZE PUMPKIN—KING OF THE MAMMOTHS.

Our attention was first called to this truly colossal variety while visiting France in 1884, where we first 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. In competition for our cash prizes the past three seasons, over six hundred of our customers have raised specimens weighing over 150 lbs., each. The heaviest weights attained in 1889, and for which our cash prizes were awarded, were 250 lbs., 231 lbs., and 197 lbs., respectively. These prize-winning specimens are at this writing on exhibition in front of our store, and, being located on the principal business street of Philadelphia, it is needless to say they are constantly surrounded by an admiring crowd, exciting much wonder, and attracting visitors from all parts of the city. We again offer

\$50.00 in Three Cash Prizes for Heaviest Specimens Grown in 1890.

\$25.00 for heaviest; \$15.00 for second heaviest; \$10.00 for third heaviest. All reports of weights to be sent in by October 15th, at which time the prize-winning specimens will be ordered sent to us (at our expense), and cash forwarded to the successful competitors. With one of these pumpkins you would also be sure of a first prize at your county fair. The flesh and skin of a bright golden yellow color, very fine grained, of excellent quality, and notwithstanding its enormous size, it is one of the very best pie or table pumpkins ever grown, and a splendid keeper.

PRICES FOR 1890: Seeds saved from specimens selected from our patch, weighing 100 pounds and over, pkt., 25c.; 5 pkts., \$1.00. Seeds saved from general crop, all good, large, uniform specimens, pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

- 245 pounds in 1885.
- 218 pounds in 1886.
- 178¼ pounds in 1887.
- 191 pounds in 1888.
- 250 pounds in 1889.

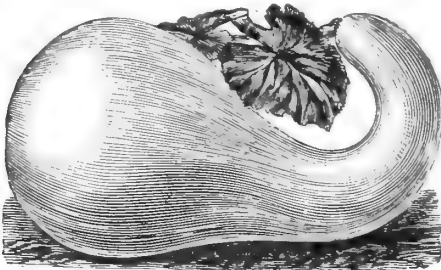
Is this not the greatest of all Pumpkins?

Alder Hatfield, Goff's, W. Va., grew in 1889 1105 lbs. of these Pumpkins on two vines, and J. H. Patterson, Barretts Mills, Ohio, grew in 1888 1138 lbs. on two vines; just think of it, over one-half ton from two seeds planted. Is not the King of the Mammoths indeed a wonder?



DUNKARD WINTER PUMPKIN.

This hybrid variety originated with the religious sect of Dunkards, in Bucks County, Pa., where it has had a local reputation for a few years past. Their true shape is well depicted in our illustration, engraved from a photograph. The outside skin is a rich, deep orange color, lightly striped. The flesh is very thick and of a beautiful golden yellow color, the richest flavored, finest grained and sweetest of any pumpkin we have ever tested. Their most wonderful property is their great keeping qualities, having been kept for a period of two years in perfect condition. The vines are very hardy and productive. They sell in Philadelphia markets at double the prices of other varieties. We found in growing our crops the past two seasons some few specimens varying in shape from the true type, although equally as good in quality. This is owing to the hybrid origin of the variety, there being a tendency to sport back to the original parent. In saving our seed, however, we have discarded all irregular shapes, and hope in another year to have the variety entirely fixed in habit. We make this statement that our customers who bought the seed last season, as well as those who buy now, may not think the seed at all mixed from any oversight on our part. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50



NEW JONATHAN PUMPKIN.

JONATHAN PUMPKIN. This new pumpkin, the shape of which is well shown in the above cut, is pronounced by a veteran pumpkin grower one of the finest varieties he has ever grown. It is a good keeper, of large size, very prolific, smooth and even fleshed; very sweet and fine for pies. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

QUAKER PIE PUMPKIN. A distinct variety from New York State, where it has been grown for many years by a family of "Quakers," or Friends. The shape is nearly oval, tapering slightly towards the ends. Color creamy white, both inside and out; flesh is sweet and rich, and an excellent keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

LARGE CHEESE. One of the best for table use; very productive; skin orange; flesh yellow and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CASHAW. Long, yellow crookneck; splendid for table use or feeding stock; flesh yellow, solid, fine grained and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

SMALL SUGAR. A very handsome little pumpkin, with deep orange-colored skin, and flesh of unusually fine sugary flavor; fine grained; very productive, and keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

NANTUCKET SUGAR. This great pie pumpkin is comparatively unknown outside of a few of the far Eastern States, where it is used exclusively in making the celebrated **Yankee Pumpkin Pies**. The skin is very dark green, almost black, flesh thick and of a rich orange yellow. They weigh from twelve to fifteen pounds, and will keep for a year. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Common Yellow Field. Very productive, and grown for feeding stock. Pkt., 5c.; oz., 10c.; lb., 35c.; 10 lbs., \$2.00.

NEW FOREIGN PUMPKINS.

MAMMOTH ETAMPES BRIGHT RED. We have imported the seed of this giant variety from France, where it is quite celebrated. It has been grown in this country to enormous size; it is of a bright glossy red color, and makes a splendid variety to grow for exhibition purposes. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

GRAY BOULOGNE. This new French variety grows to a very large size, and although quite new, is already very popular. It is large, round and slightly flattened on the ends, skin of a grayish green color, growing to a weight of sixty to seventy-five pounds with ordinary culture, and with special culture will reach enormous size. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

TRUE POTIRON. Another wonderful variety from France, somewhat resembling our celebrated "**King of Mammoths**" in shape. They, however, do not grow so large and weigh so heavy, as their flesh is thin and watery; of a bright yellow color. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Mammoth Tours. A French variety, which grows to an immense size, often weighing over one hundred pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

- SPECIAL -

☛ We offer a **CASH PRIZE** of \$50.00 to the grower of the largest Pumpkins in 1890.

As an extra inducement for competition, and that our customers may give all our Mammoth varieties a trial, we will send, free by mail, one packet each, **King of Mammoths**, **Mammoth Bright Red Etampes**, **Gray Boulogne**, and **Mammoth Tours**, for 25 cents.

E. M. BOYER, Sparta, N. C., writes: "I have been purchasing seed from you for eight years and have never been disappointed once."

Mrs. CYNTHIA SMITH, Yostville, Pa., writes: "Your seeds grew to perfection. I am very much pleased with the Dunkard Pumpkin, one weighed 75 $\frac{1}{2}$ lbs. They were very beautiful and delicious in flavor."

WILLIAM W. HURD, Tallmadge, Ohio, writes: "I can recommend most highly all the seeds I got from you. This year I had the nicest cabbage, beans, carrots and parsnips than ever before. Your peas were the earliest and best I ever raised."

J. A. STUBBONS, Colorado, Ill., writes: "Your seeds cannot be excelled; they are the best, as to quality and yield, that we have ever used."

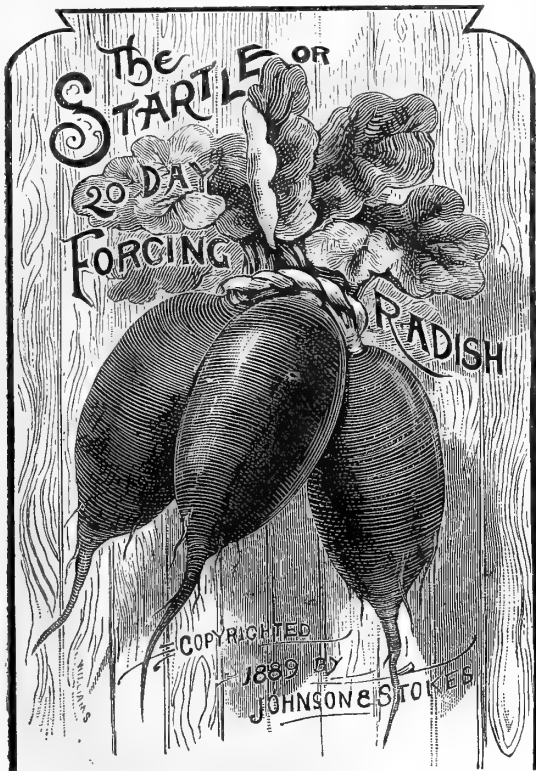
THE BEST RADISHES

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

RADISH—Earliest Varieties.

NEW FIRE BALL FORCING. See Novelties, page 17. Pkt., 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

FELTON'S MODEL WHITE BOX. Now offered for the first time. See Novelties, page 6. Pkt., 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.



THE STARTLE, OR TWENTY DAY FORCING. A new and distinct type of the well-known olive-shaped radish, selected by a Philadelphia market gardener. It is undoubtedly the earliest and finest forcing half-long or olive-shaped variety known, maturing in about twenty days. Color, brilliant red; flesh, pure white, crisp, sweet and fresh to the taste. It has a very small, short top, and is alike valuable for forcing or open ground. Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

EARLY SCARLET GLOBE. For forcing in the greenhouse, hot-beds or cold frames, and for sowing on open borders early in the spring, there is no other red variety more desirable. 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. It always commands a much higher price, and will sell "three to one" compared with any ordinary red sort. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

NEWCOM. This new Radish, introduced by us two years ago, has already taken a leading place with our market and family gardeners. It is the earliest, largest white radish known. Owing to their beautiful half-long shape and fine appearance they readily sell at double the prices of ordinary varieties. Its quality is very superior and they hold their fine eating condition for four or five weeks after being fit to pull. They stand heat and drought to a remarkable extent. Have a small top and slow to run to seed. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Extra Early Scarlet Turnip. A round, deep scarlet, turnip-shaped, small-top variety, of quick growth; mild and crisp when young. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 55c.

PHILADELPHIA GARDENERS' LONG SCARLET SHORT-TOP. This very excellent new strain is the result of years of patient and careful selection. There is just as much difference between this strain and the European, which has heretofore been America's only source of supply, as there is between the American and European grown potato. Briefly stated, the improvements are these: it is fully six days earlier, has a shorter and more compact top, will remain in the ground longer without becoming pithy or going to seed. In shape it is somewhat shorter and thicker, thus enabling it to withstand transportation better, which is a very desirable feature. In color the upper portion is of an unusually deep brilliant red, which gradually shades to a deep waxy pink towards the tip. Owing to its handsome shape, brilliant color and fine eating qualities, it invariably commands a higher price and more ready sale than the European Long Scarlet as generally sold. Market gardeners everywhere should try this fine strain. No other can equal it. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.; 5 lbs., \$3.25.

NEW WHITE LADY-FINGER RADISH. This is unquestionably the finest long white radish in cultivation. Shape most attractive and handsome, as shown in our illustration, while in color it is a beautiful snow white. It is of very rapid growth, and its fine white flesh is remarkably crisp, brittle and tender, equally desirable for the market or home garden. Sow Lady-Finger once and you will sow it always. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

PHILADELPHIA WHITE "BOX" RADISH. This variety is the most popular Early White Radish grown by Philadelphia gardeners. It is much superior and entirely distinct from any early white turnip radish heretofore offered. Its points of superiority are remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age, but, on the contrary, remains solid and juicy long after fully grown. Its short top and rapid growth especially fits it for growing under glass, in frames or "boxes," hence its name, as well as early sowing on squares or borders in the open ground. Owing to its very few short leaves, it can be sown very thickly in the row without causing the leaves to "draw." Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

EARLY ROUND DARK RED. An improved strain of the Extra Early Scarlet, of deeper color and handsome appearance; very early, firm, crisp and of extra fine quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Extra Early White Turnip. Skin and flesh pure white, of very quick growth and small top. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

SCARLET TURNIP, WHITE TIPPED. Resembling the above in shape, except of a deep scarlet color, with white tip. Very handsome. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 55c.

Early French Breakfast. Of quick growth, very tender and beautiful oval shape; scarlet, tipped with white; a great favorite. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Early Deep Scarlet, Olive-Shaped. Flesh rose-colored and very tender. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Early White, Olive-Shaped. Of fine olive shape, skin and flesh white, crisp, tender, and of very quick growth. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.





ROSY GEM. This wonderful new radish has won golden opinions in all sections of the country. The illustration above is a perfect picture from nature and will give some idea of their great beauty. It is one of the very earliest in cultivation. Their shape is perfectly globular, with rich deep scarlet top, blending into pure white at the bottom, exceeding tender, crisp and delicious, never becoming hollow nor pithy, very desirable for growing under glass and should be planted by everybody. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

PARIS BEAUTY. Demi-long Deep Scarlet. This handsome variety is the most popular early radish sold in the markets of Paris. In shape they are intermediate, between the popular Long Scarlet and Scarlet Olive. They are of rapid growth, with rich, deep scarlet skin, white flesh, very tender and crisp. Very showy for the table or market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Violet Turnip, White Tipped. A very early variety, of violet color, lower portion of a clear white; crisp, tender, fine turnip form. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Early Long Scarlet or Salmon. The old standard family and market-gardeners' variety. Long, bright scarlet, with small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

WOOD'S EARLY FRAME. A splendid forcing variety, earlier than the Long Scarlet; shape not quite so long, and has a smaller top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

RADISH, Summer Varieties.

CHARTIER, or SHEPHERD RADISH. A variety of the long scarlet, originated in Western Pennsylvania. It is exceedingly handsome and attractive, being of a deep crim-on color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth, an important feature to the market gardener. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LARGE WHITE SUMMER TURNIP, or GLOBE. A general favorite; of large turnip shape, white skin and flesh, very crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Long White Naples. A long, clear, white radish, very handsome, crisp, tender and mild. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 2c.; lb., 70c.

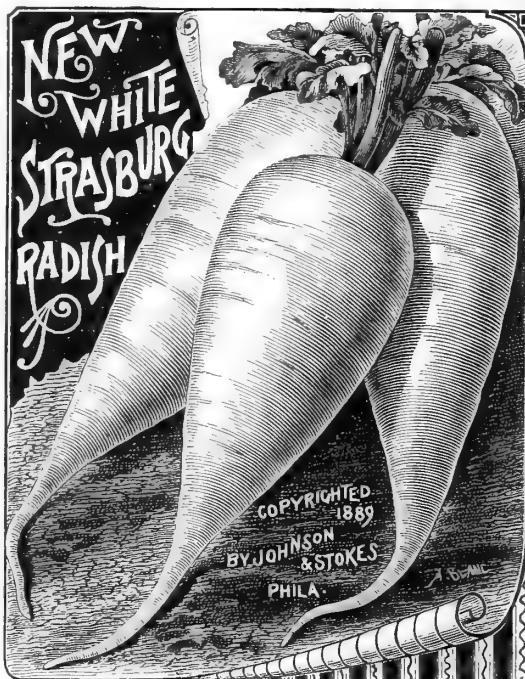
WHITE GIANT STUTTGART. A splendid new variety, will produce roots of excellent quality and as large as a winter radish, in six to eight weeks after sowing. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

IMPROVED YELLOW SUMMER TURNIP RADISH. This exceedingly fine type of yellow summer radish, now offered for the first time, is the result of hybridizing and many years' continued selection by an experienced Philadelphia market gardener. The neck is much smaller, leaves, finer, flesh whiter and of a much better shape than the old Yellow Summer, and always commands a readier sale at a higher figure, and withstands the summer heat better. Market and private gardeners will find it a most valuable acquisition. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

GOLDEN YELLOW SUMMER TURNIP. One of the best summer radishes; amber flesh; and keeps long in eating condition; extra fine quality and rapid growth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

OLIVE-SHAPED GOLDEN YELLOW. This is a fine new German Radish, equally well adapted as an early forcing or summer radish. It is of very rapid growth and fine quality, flesh white, tender, crisp and brittle. The outside skin is a bright, fresh yellow, and has a very small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

NEW SURPRISE. A variety from Spain, very early, light brown skin, pure white flesh, crisp and tender, keeps in fine eating condition without getting pithy for a long time. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



NEW WHITE STRASBURG. This valuable variety was first introduced by us five years ago, and is now the most popular summer radish grown. It is of handsome tapering shape, as shown in our illustration above, both skin and flesh are pure white and almost transparent, very tender and of a delightful pungent taste. It can be pulled five weeks from time of sowing the seed and continues to grow without losing its fine quality, and remains in a tender condition longer than any other summer sort. There is much cheap and spurious seed being offered. Procure your stock direct from the introducers, and have it reliable. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

TWO NOTABLE NEW BOOKS FREE AS PREMIUMS FOR 1890.

Appreciating the fact that next in importance to securing the **Best Seeds**, a complete practical knowledge of how to plant, grow and care for the crops is necessary to insure success, we have decided to offer, as premiums for 1890, two entirely new books, written by well-known practical horticulturists.

MY HANDKERCHIEF GARDEN, by Charles Barnard—publishers' price, 25c.—will be sent free to all who order vegetable or flower seeds in packets and ounces to the amount of \$1.00 and over.

HORTICULTURIST'S RULE-BOOK, by L. H. Baily—publishers' price, \$1.00—will be sent free to all who order flower or vegetable seeds by the packet, ounce, pound, pint or quart to the amount of \$5.00 and over.

These premiums are absolutely free and do not prevent customers from selecting \$1.25 worth of seeds in packets only for each \$1.00 sent us, as per our Premium Offer on page 21.

RADISH, Winter Varieties.

CHINA ROSE WINTER. One of the best winter varieties, bright rose-colored; flesh white, firm and of superior quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

ROUND BLACK SPANISH. A fine globe-shaped radish, very popular with the Germans, known as *Rettig*; good quality and flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Long Black Spanish. A large winter variety; one of the hardiest, with dark green leaves; firm in texture, keeping until spring. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

CALIFORNIA MAMMOTH WHITE. A winter variety growing twelve inches long; white fleshed, firm and of excellent quality. It is the largest radish grown, called by some the Mammoth Russian. Pkt., 5c; oz., 10c; lb., \$1.00.

LARGE VIOLET GOURNAY. This handsome variety grows to a very large size, with a purple violet skin, flesh very white, solid and firm, fine flavor and excellent keeper. Pkt. 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

RHUBARB—Pie Plant.

One ounce will produce about 1000 plants.

Large Victoria. An excellent cooking variety. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Rhubarb Roots. Each, 20c; doz., \$1.75; 100, \$8.00. By mail, post-paid, 30c. each, or \$2.75 per doz.

SALSIFY—Oyster Plant.

One ounce will sow about sixty feet of drill.

MAMMOTH SANDWICH ISLAND. This new salsify, recently introduced from the Sandwich Islands, grows fully double the size of the Long White, and is superior in quality. It is pure white in color and is invaluable to market gardeners. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

Long White. A favorite variety; the tops can also be used in the spring, dressed like asparagus. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

Scorzenera, or Long Black. Pkt., 10c; oz., 25c; lb., \$2.50.

SORREL.

Large-Leaved Garden. Cultivated for its acidity and much used in salads. Pkt., 5c; oz., 20c; ¼ lb., 50c.

SPINACH.

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

Market gardeners desiring to purchase by the bushel will be given special prices on application.

ENKHUIZEN, LONG STANDING. This is the only genuine long standing spinach imported into this country, and was introduced by us seven years ago. We have often seen it stand so long that the leaves actually turned yellow before shooting to seed, hence its great value for spring sowing. The leaves are round, large, unusually thick, deeply curled and of a fine dark-green color. Our stock is grown in Holland especially for us. This variety is superior to the ordinary Long Standing offered in many catalogues. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.50.

AMERICAN ROUND-SEEDED SAVOY, OR BLOOMSDALE SPINACH. Our Celebrated Philadelphia Stock. Our entire stock of this very superior variety is Pennsylvania grown, of 1889 crop, and we guarantee it to possess every important quality that makes this valuable sort so popular. The leaves are large, thick, finely curled, heavy, are produced in great numbers, and stand handling and transportation better than any other sort. By far the best and most productive spinach in cultivation. Pkt., 5c; oz., 10c; lb., 50c; 5 lbs., \$1.50.

NORFOLK SAVOY-LEAVED. A large, curled variety, with thick, fleshy leaves. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

Monstrous Viroflay. Grows to large size, with very thick, fleshy leaves. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

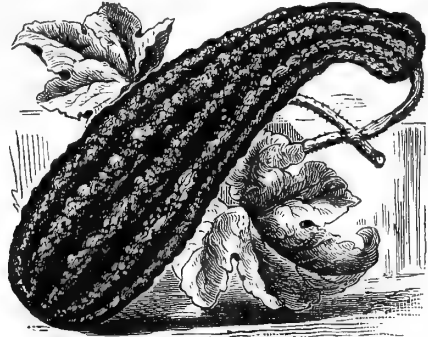
NEW THICK-LEAVED ROUND. Produces large, thick, dark green, crumpled leaves; does not run to seed quickly. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

SQUASH.

One ounce will plant twenty to forty hills, according to size of seed. Four to six pounds will plant one acre.

EARLY WHITE SCOLLOP BUSH, or PATTY PAN. A good early variety. It grows to a large size, and bears an abundant crop. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

Early Golden Bush. Similar to the preceding, but of a deep orange color. Pkt., 5c; oz., 10c; lb., 70c.



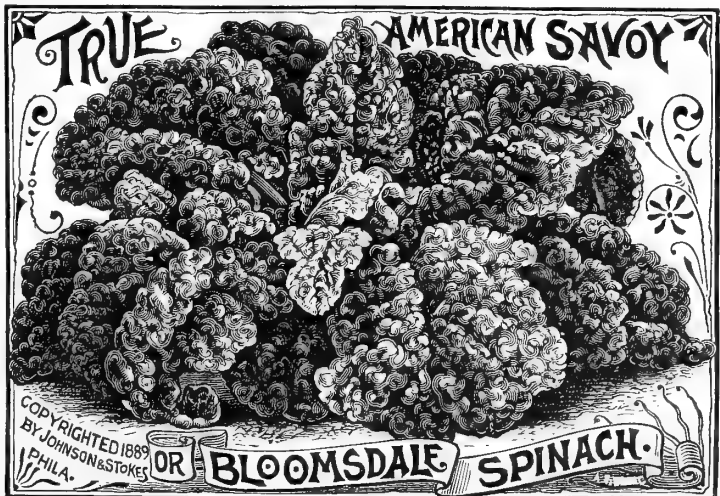
LONG GREEN CROOKNECK SQUASH.

LONG GREEN SUMMER CROOKNECK. It seems strange that this valuable squash should be so little known outside of Philadelphia market gardeners, who grow it largely with great profit, as it is preferred to all other summer squashes in our markets. We have had the above engraving made of one of these squashes, which shows the shape. They have a dark green skin, striped with lighter shades of green and yellow, are very productive and of the finest quality. As a squash for frying, they are unequalled, being superior in flavor to egg-plant. They are also delicious when made into fritters. Customers who have never grown this excellent squash will be fully repaid by giving it a trial. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

EARLY PROLIFIC ORANGE MARROW. This new variety ripens full two weeks ahead of the Boston Marrow and excels it in productiveness and keeping qualities. It is of very handsome color, medium in size, sweet flavor, with thick, high-colored orange flesh, fine grained and dry when cooked, making it a most desirable variety as a fall squash. Growing very quickly, it does well when planted as a second crop, following early peas, potatoes, etc. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

NEW OLIVE. A splendid squash, exactly the shape and color of an olive, hence its name. It attains a weight of six to ten pounds. The skin is smooth, flesh thick, firm and of golden yellow color, remarkably good in quality and very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

RED CHINA. This new squash is considered an introduction of great merit; of a very pretty bright red color outside, slightly streaked with dark yellow and green; the flesh inside is of bright yellow color, very sweet, dry, and of delicious flavor. The shell is the hardest of any squash we have ever seen. They grow to a diameter of five to six inches, and are enormously productive, each vine bearing fifteen to twenty perfect squashes. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.



SQUASII—Continued.

MEDITERRANEAN. We were the first seedsmen in America to offer this very valuable new fall and winter squash, which, from its numerous excellent qualities, has proven a most valuable acquisition. Our attention was first called to it by a sea captain, plying between this port and the Mediterranean, who, on one of his voyages, brought a few of these squashes with him for our inspection and trial. They grow about the same size as the Hubbard, but perfectly round and smooth, and owing to their very thick flesh, will weigh much heavier. The outside skin is quite smooth and of a pleasing red salmon color, while the flesh is of a beautiful rich yellow, very sweet, fine and floury. The vines grow vigorously, are extremely hardy and very productive. As a keeper they rank with our best winter sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

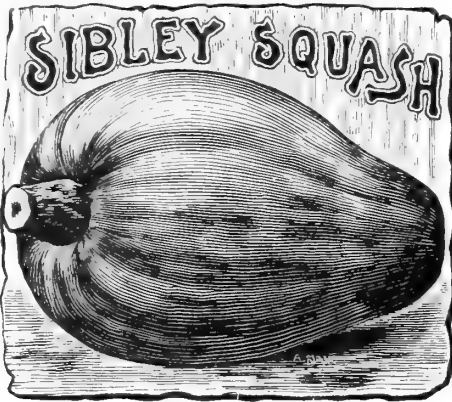
NEW BAY STATE. This splendid variety comes from the same origin as the popular Essex Hybrid. The excellent features are its extreme solidity, heavy weight, fineness and dryness of grain, and sweetness of flavor. It is earlier than the Essex Hybrid, the crop averaging smaller in size and more in number. It has an extremely hard, flinty shell, and is an excellent keeper. The color of the shell is distinct from anything we have among the present varieties grown, being a blue shade with a peculiar greenish tinge. The flesh is of a beautiful, bright golden yellow, very handsome and attractive in appearance and exceedingly sweet and tender in quality. Their average weight is ten pounds. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

ESSEX HYBRID, OR AMERICAN TURBAN. This variety is one of the finest grained and sweetest of the squash family. Specimens kept until June as sound and good as when gathered in the fall. The flesh is very thick, rich colored and solid. It ripens early, and is one of the most productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

GOLDEN SUMMER CROOKNECK. Early, productive, of good quality; skin yellow. Pkt., 5c; oz., 10c; lb., 75c.

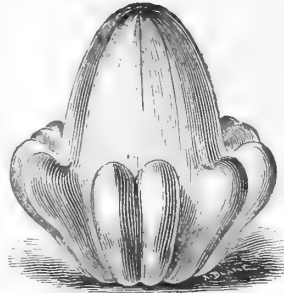
VALPARAISO. This new variety from South America, when grown from the true seed, of which we are the original importers, is vastly superior to the so-called "improved" or mongrel sorts. Its shape is oblong, skin of rich cream color; the flesh is of a rich golden yellow, very thick and fine grained, and very sweet and delicate in flavor. They grow to large, uniform size and are enormously productive and profitable to grow for cooking or feeding purposes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

BRAZIL SUGAR. This new variety, originally from South America, has been thoroughly tested in the United States. The flesh and skin are of a bright yellow color, slightly watered. It is one of the sweetest of all squashes, the flesh being unusually fine grained and tender. They reach a weight of three to four pounds each, ripen early, and grow so vigorously that they are but little affected by the squash-bug. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



SIBLEY, OR PIKE'S PEAK. The shape of this valuable new and distinct squash is accurately shown in the above illustration. The shell is pale green in color, very hard and flinty, but so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick, a vivid brilliant orange color, dry, and of a rich delicate flavor. They range in weight from eight to eleven pounds. Vines remarkably vigorous and ripens its fruit simultaneously with the Hubbard. In productiveness the new Sibley Squash has decidedly the advantage of either the Hubbard or Marblehead; it moreover ripens its fruit so evenly that nearly the whole crop may be gathered at one picking. In its keeping qualities it excels, remaining in a good dry cellar, perfectly sound, until the last of March. The hardness and flintiness of the shell render it one of the very best shipping varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

HUBBARD. A general favorite and one of the best table varieties; of large size, flesh fine grained, dry, and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



NEW PINEAPPLE SQUASH.

They are remarkably strong growers, each vine producing generally from ten to fifteen perfect fruits. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

BOSTON MARROW. About ten days later than the Bush varieties; of excellent flavor, flesh orange and fine grained; splendid for pies and as a winter keeper. Extensively grown, and most profitable for winter use and canning. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs. and over, by express, 40c. per lb.

MAMMOTH CHILL. The largest of the squash family. Many specimens taken from our patch this season weighed nearly two hundred pounds, and many of our customers have written us that they took first premiums at both State and County Fairs where exhibited. The flesh is a rich orange yellow, very thick and of good quality, very nutritious and profitable for stock feeding, keeping well all winter. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

The following squashes are each 5c. per pkt.; 10c. per oz.; 75c. per lb. Perfect Gem, Marblehead, Cocoonut, Long White Marrow, Yokohama and Butman.



One ounce will produce about 1300 plants.

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 we obtain the purest possible seed. Our long experience and great care enables us to furnish a prime article of this important seed to market gardeners, and to retain the patronage of all who deal with us.

ATLANTIC PRIZE. The very earliest of all tomatoes. See Novelties, page 8. Pkt., 20c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

BRANDYWINE, or No. 45. The largest, finest and most productive of all late tomatoes. See Novelties, page 9. Pkt., 20c; 3 pkts, 50c; 7 pkts, \$1.00.

THE LORRILARD. See Novelties, page 7. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

HORSFORD'S PRELUDE. See Novelties, page 4. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

JOHNSON & STOKES' EXTRA EARLY TROPHY. This variety was first discovered in a patch of the well-known Trophy, where it ripened nearly two weeks ahead of others. Its shape resembles the well-known Trophy, but it ripens much earlier, and is remarkably productive, of a deep red color, growing to a good size, and does not show the least trace of rotting in its early stage of growth, as the Acme and Paragon sorts do. The tomato is firm, slightly lobed, has very few seeds, and has the happy feature of ripening its entire crop at one time—which is a very important thing to a market gardener whose profit depends upon getting his crop into market early." Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

EXTRA EARLY ADVANCE. A cross between Alpha and Perfection, of bright scarlet color, medium size and good quality. It surpasses the Alpha in wonderful early ripening qualities, and equals Perfection in beautiful form and productiveness. The vines bear heavily, frequently 100 to 125 fruits to a vine. Our market garden friends will find the Extra Early Advance a valuable variety with which to strike the earliest markets. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

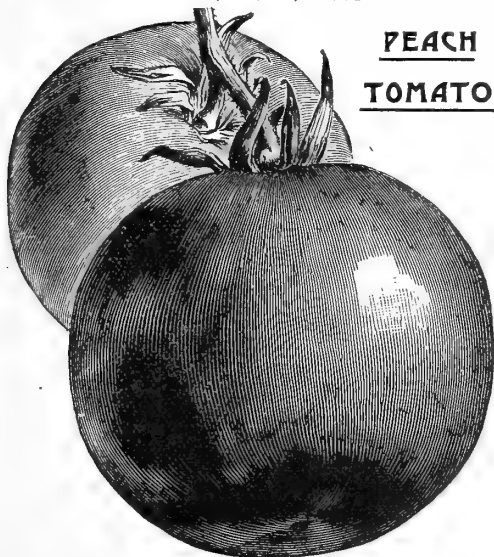
LIVINGSTON'S NEW BEAUTY. Another fine variety, coming from Mr. A. W. Livingston, the well-known originator of the Acme, Paragon, Perfection and Favorite, from whom we obtained our seed stock. We find it very distinct from all former introductions. The color is a glossy crimson, with a purple tinge; it grows in clusters of four and five, retaining its large size late in the season; very solid, with a tough skin, making it very desirable for market and shipping. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.



NEW DWARF CHAMPION TOMATO.

DWARF CHAMPION. A very distinct new variety of upright growth, as shown in the above cut. After Atlantic Prize and our Extra Early Trophy, it is probably the earliest tomato grown. Its close, upright growth allows it to be planted closer together than other varieties. The fruit resembles the Acme, is of a purplish pink color and always smooth and symmetrical in form. It is of medium size and attractive in appearance; the skin is tough and the flesh solid and of fine quality. A very shy seeder. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.25.

LIVINGSTON'S NEW POTATO LEAF. Another fine market tomato, remarkable for its great firmness and solidity. It is named **Potato Leaf**, in consequence of its having such a very peculiar leaf, being whole, not cut or serrated like the leaves of ordinary kinds. In this respect it resembles the **Mikado**, or **Turner Hybrid**, but while the fruit is not quite so large as these, but large enough for all purposes, it is far smoother, equalling the old standard, **Acme** and **Paragon**, in this respect. It is a second early, and is ever-bearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the heavy leaves. Market gardeners give it a trial; it will stand the knocks of a market wagon first rate. It has the **Acme** color and is very prolific. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



**PEACH
TOMATO.**

THE PEACH TOMATO. This very useful and beautiful oddity in tomatoes is sure to attract attention and favorable comment, whether growing in the garden, or served on the table, either raw or preserved. It is almost identical with some forms of peaches, both in shape and color. The fruit is produced in clusters, is very solid, with red interior, and red, pinkish and green bush on the outside skin, which can be easily peeled, like the skin of a peach. Vines compact in habit and very productive. For preserving, Peach Tomato is hard to beat. Pkt., 10c.; oz., 40c.; 2 ozs., 75c.



THE MIKADO, OR TURNER HYBRID. This new variety, also called the **\$1600 Tomato**, originated in Iowa, and is entirely distinct from all known varieties. The foliage differs from that of all other tomatoes, the large leaves being entire and not cut. It is a rank grower, with thick stalks, and enormously productive. The fruit is extra large in size, round, smooth, very thick through and remarkably solid. The average weight of the tomatoes is from twelve to eighteen ounces. They ripen up evenly and are entirely free from core. They make the handsomest sliced tomatoes, and have been pronounced by all who have tried them, unequalled in fine flavor and table qualities. The skin is thin, but rather tough, consequently the tomatoes keep in fine condition much longer than most other varieties. Color is a deep brilliant red. Our stock has been carefully selected for three years past and is unsurpassed. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

EARLY OPTIMUS. A very fine new variety, somewhat resembling Favorite, but earlier and more uniform in size. Fruit medium sized, oval, very smooth, exceedingly bright, rich, crimson-scarlet color, free from cracks and rot. The flesh is of a crimson-scarlet color, quite distinct and beautiful. It is also a splendid keeping and shipping variety. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

EARLY MARKET CHAMPION. This valuable new tomato originated with a prominent Philadelphia market gardener, who has for many years made the selection and improvement of the tomato a specialty. He has always had extremely fine, large tomatoes in market ahead of all competitors, thus realizing handsome prices for his crop. He has also carried away first prizes at all the fairs where exhibited. His aim has always been to combine earliness with large size and perfect, smooth shape, and that he has succeeded in a most wonderful degree is evidenced in the **Market Champion**. The fruit is of a bright, glossy, pinkish purple, almost like wax, flesh is very hard and solid, keeping a long time after ripe without getting soft or rotting. Its shape is most perfect, being smooth and uniform in size, ripening all over at one time. It is a vigorous grower, the foliage being quite distinct. There is no other purple tomato cultivated that will ripen so early or produce more bushels of large, handsome fruit to the acre, than the **Market Champion**. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

THE SHAH, & VOLUNTEER.

THE SHAH—A NEW GOLDEN TOMATO.

THE SHAH is a beautiful new yellow tomato as shown in our illustration above. It is a sport from the celebrated red variety, **Turner Hybrid**, or **Mikado**, and is identical with it in every respect except in color (which is a dark, waxy yellow), having the same distinct foliage, the same enormous size, solidity and productiveness. Alternate slices of red and golden tomatoes make one of the most ornamental dishes that can be put upon the table. Try it. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.

THE VOLUNTEER TOMATO.

This tomato originated on Long Island with Messrs. Reed & Funnell, the well-known growers, who procured it by crossing **Trophy** and **Canada Victor**, and the result of that crossing with **Perfection**, combining their good qualities without retaining any of their objectionable features. They grow to a large size, averaging six to ten ounces, very smooth and perfect in form, as shown in our illustration above, color bright red, with little core and very early. The quality is very superior for table use and canning. Enormously productive, ripening well to the stem. It is very highly spoken of by all who have tested it, and we believe no praise too high for its merits. Our seed is grown from the originator's stock. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

LIVINGSTON'S PERFECTION. This valuable variety comes from the same source as the **Acme** and **Paragon**. It is shaped like the **Acme**, larger, fully as early, perfectly smooth, blood-red in color, very solid and a heavy cropper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

SELECTED EARLY ACME. Ripens evenly, of medium uniform size, round, very solid, and of a pink purplish color; very productive, bearing until killed by frost. Extra selected stock. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

THE QUEEN. A new variety, originated in Salem County, N. J., where it is greatly esteemed for canning purposes; grows very large, of bright red color, slightly rough at the stem end. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

THE CARDINAL. This tomato was first discovered in a field of **Acme**, from which it is quite distinct in both fruit and foliage. It is of vigorous growth, and bears abundantly throughout the season. The fruit is uniformly smooth and free from ridges, and is of a brilliant cardinal red. The flesh is of the same brilliant color, having no green core and very few seeds. Its evenness of ripening—so many tomatoes in the same stage at the same time—is a marked feature in this variety, as is also the uniformity of the same large size throughout the entire season. It keeps well and is a fine shipper. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

SCOVILLE'S HYBRID. A variety originated near Syracuse, N. Y., where it is very popular with market men and canners. In many respects it resembles the **Cardinal**, of brilliant red color, large size and excellent in quality. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

SELECTED EARLY PARAGON. Very solid, dark red color, heavy foliage, a favorite market variety; excellent for canning. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LIVINGSTON'S FAVORITE. The originator, Mr. Livingston, describes this new tomato as follows: "The Favorite has several advantages over my other varieties. It is smoother than the **Paragon**, and never hollow late in the season. I had tomatoes ripe in July, and the same vines had an abundant crop on them September 22d. Does not crack after ripening, is of a darker red than the **Perfection**, and is larger than either. It has very few seeds and is very productive." Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Trophy. This well-known variety has become a favorite family and market tomato; large size, fine flavor, fruit solid. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

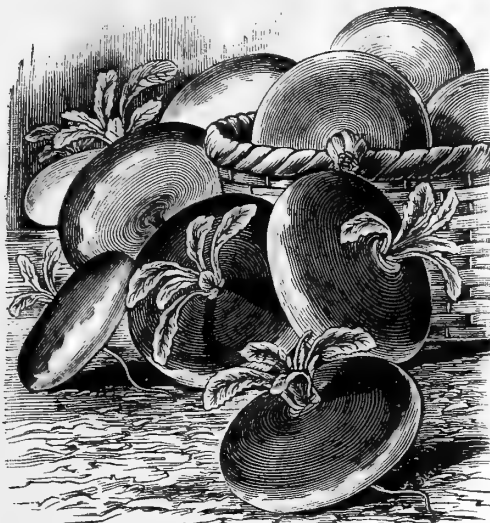
GOLDEN QUEEN. A fine new yellow sort of first-class quality. It is solid, very smooth, free from ridges, large in size, ripens up evenly, and is a very handsome sort. The larger and riper fruits are frequently tinged with red at the blossom end. It has very little acid and the quality is excellent. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

The following varieties of Tomatoes are each 5 cents per packet; 25 cents per ounce:

King of the Earlys, Early Mayflower, Wonder of Italy, King Humbert, Essex Hybrid, Climax, Hathaway's Excelsior, General Grant, Feejee Island, Large Smooth Red, Cook's Favorite, Canada Victor, Tree Tomato, Golden Trophy, Large Yellow, Pear-Shaped and Red Cherry.

TURNIP.

One ounce will sow 150 feet of drill ; one to one and one-half pounds will sow an acre.



PURPLE-TOP MILAN—THE EARLIEST OF ALL TURNIPS.

EXTRA EARLY PURPLE-TOP MILAN—Strap-leaved. This new variety has proven to be the earliest and handsomest flat turnip in cultivation. No other variety can equal it for spring sowing. It is of medium size and flat shape, with bright purple top as shown in our illustration above; pure white flesh, of excellent flavor, never bitter, small top, and a good keeper. It is a very shy seeder, hence true stock must be always high in price. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

EXTRA EARLY PURPLE-TOP MUNICH. This handsome turnip is entirely distinct from any other variety, growing entirely above ground, pure white, with a bright purplish red top, and few leaves, flesh fine and of good flavor when young, and very productive. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

EARLY RED-TOP WHITE GLOBE. A very early and attractive variety; very productive, white flesh, of fine quality. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

EARLY WHITE FLAT DUTCH. An early white-fleshed variety, usually sown early in the spring; of quick growth, juicy, mild flavor, and excellent quality; also grown for a fall crop. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

PURPLE-TOP FLAT—Strap-leaved. This variety is similar to the above excepting it is red or purple above ground. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

White Egg. A new early, white egg-shaped variety, for early or fall sowing; fine grained, sweet, an extra keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

POMERANIAN WHITE GLOBE. Useful for table as well as feeding stock; productive, hardy and a splendid autumn turnip. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Large White Norfolk, or Globe. A large growing globe-shaped variety; one of the best early varieties for feeding stock. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

PURPLE-TOP MAMMOTH. A new English variety, very large, solid, and of remarkably quick growth; highly recommended. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Large Cow-Horn, or White French. Grows partly above ground; very productive and of excellent quality, flesh white. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Purple-Top Yellow Aberdeen. Hardy, productive, a good keeper, globe-shape, good for table use or feeding stock. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Golden Ball, or Orange Jelly. A rapid grower, of excellent flavor, bright yellow, a good keeper, a superior table variety. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

YELLOW, or AMBER GLOBE. Flesh firm and sweet, grows large, excellent for either table use or feeding stock; keeps well. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

MYERS' PURPLE-TOP BEAUTY RUTA-BAGA. This new variety, the seed of which is now offered for sale for the first time, is purely of American origin, and is undoubtedly the finest Swede to be obtained, whether wanted for market, garden or stock-feeding purposes. The root is smooth and beautiful. The flesh is yellow, fine grained, solid, sweet, fine flavored and very nutritious. It is extremely hardy and will produce nearly twice the weight per acre more than any other variety. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

IMPROVED PURPLE-TOP YELLOW RUTA-BAGA. The leading market variety, and largely grown for stock as well as family use; hardy, productive, flesh yellow, solid, sweet, fine grained, good flavor. We offer an unusually fine American stock of our own growing from selected roots. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Carter's Imperial Swede, or Ruta-Baga. One of the best and sweetest of the Swedish turnips, for family use and feeding stock. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Large White Ruta-Baga. Differs from the Yellow only in color. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Seven-Top, or Forrester. Grown extensively in the South for its abundant leaves, which are boiled with meats. Pkt., 5c.; oz., 10c.; lb., 60c.

POT, SWEET AND MEDICINAL HERB SEEDS.

Those marked with an * are perennial, and when once obtained in the garden may be preserved for years.



SWEET MARJORAM.

Anise.—Pkt., 5c.; oz., 10c.
*** Balm.**—Pkt., 10c.; oz., 25c.
Basil, Sweet.—Pkt., 5c.; oz., 20c.
Borage.—Pkt., 5c.; oz., 20c.
Catnip.—Pkt., 10c.
Coriander.—Pkt., 5c.; oz., 15c.
*** Caraway.**—Pkt., 5c.; oz., 10c.
Dill.—Pkt., 5c.; oz., 10c.
*** Lavender.**—Pkt., 10c.; oz., 50c.
Marigold, Pot.—Pkt., 5c.; oz., 25c.
*** Fennel.**—Pkt., 5c.; oz., 10c.
Hyssop.—Pkt., 10c.
*** Horehound.**—Pkt., 10c.; oz., 30c.
*** Marjoram, Sweet.**—Pkt., 5c.; oz., 20c.; lb., \$2.00.
Opium Poppy.—Pkt., 5c.; oz., 25c.
*** Rosemary.**—Pkt., 10c.; oz., 40c.
*** Rue.**—Pkt., 5c.; oz., 15c.
Saffron.—Pkt., 10c.
Sage.—Pkt., 5c.; oz., 15c.; lb., \$1.50.
Savory, Summer.—Pkt., 5c.; oz., 20c.
*** Savory, Winter.**—Pkt., 10c.; oz., 25c.
*** Tansy.**—Pkt., 10c.; oz., 30c.
Thyme.—Pkt., 10c.; oz., 30c.
*** Wormwood.**—Pkt., 10c.; oz., 30c.

FRUIT SEEDS.

Remit for postage 8 cents per pound, or 15 cents per quart, when ordered to be sent by mail.

Peach Pits. Pure Southern, natural, or seedling. Qt., 15c.; bush, \$1.25.
Apple Seed. Qt., 30c.; bush, \$6.00.
Apricot Pits. Oz., 10c.; lb., 50c.
Plum Pits. Qt., 40c.; bush, \$8.00.
Pear Seeds. French imported, oz., 15c.; lb., \$1.50.
Quince Seed. Oz., 15c.; lb., \$1.50.
Mulberry. White or Black. Oz., 20c.; lb., \$2.00.

TOBACCO SEED.



ROSE MUSKATEL TOBACCO.

PERSIAN ROSE MUSKATEL. Imported from Hungary, where it is regarded as the very best. It possesses a delicious Turkish or Rose perfume. Leaves are of medium size and regular shape. Pkt., 10c.; oz., 30c.; lb., \$3.00.

GENERAL GRANT. The earliest tobacco; produces immense foliage, of fine texture, small veined and very elastic. Pkt., 10c.; oz., 30c.; lb., \$3.00.

PRIMUS. A new early tobacco; leaves large, long, with fine fibre, and enormously productive. Pkt., 10c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.25.

CONNECTICUT SEED LEAF. Saved from selected plants. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

HAVANA. Imported seed. Pkt., 10c.; oz., 40c.; lb., \$4.00.
Cuban Seed Leaf. Pkt., 10c.; oz., 25c.; lb., \$2.50.
Pennsylvania, or Lancaster (Broad Leaf), Maryland and Virginia (Broad Leaf), Yellow Oronoko, Gold Leaf, Hester, White Burley, Gooch, Medley Pryor, each, pkt., 10c.; oz., 25c.; ¼ lb., 60c.; lb., \$2.25.

Any order or letter, mailed in any part of the world, will reach us if addressed simply,

JOHNSON & STOKES, Philadelphia, Pa.

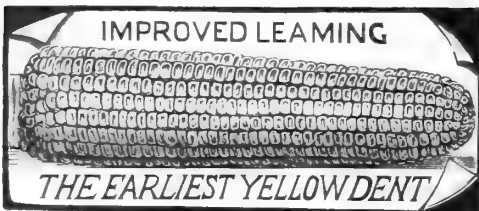


Fully appreciating the great importance to the farmer of **GOOD FIELD CROPS**, we have given particular attention to this department of our business, and have made the **SELECTION AND IMPROVEMENT OF FARM SEEDS** a specialty, exercising great care to secure the best varieties, thoroughly cleaned, and of the finest possible quality.

At prices given, we make no charge for bags, and deliver free to any freight depot or express in Philadelphia.

SEED CORN.

We make it an invariable rule to test our seeds carefully before sending out, and our customers may depend on getting Seed Corn that will grow perfectly under favorable circumstances. A sample ear is put in each sack with all orders of one bushel and over. Sample ears will be sent by mail on receipt of twenty cents to cover postage.



IMPROVED LEAMING CORN.

The True Improved Leaming Corn is a pure, fixed and distinct variety, first introduced by us nine years ago. Our strain has been selected and improved each year since its introduction, and is the **Earliest Yellow Dent Corn in Cultivation**, ripening in ninety to a hundred days from time of planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness and quality.

It is not a hard, flinty corn, but sweet and nutritious, making excellent feed and the finest meal. The ears are large and handsome, with deep, large grain, of deep orange color and small red cob. Stalks grow to medium size (not large) with few suckers, tapering gradually from root to top, producing two good ears to each stalk, husks and shells easily. One hundred and thirty-six bushels shelled corn (weighing sixty pounds to bushel) have been grown to the acre on good corn ground, with good but not extra cultivation. 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. Prices by mail, post-paid, pkt., 10c.; lb., 30c.; 3 lbs., 75c. By freight or express, bags included, qt., 15c.; peck, 60c.; bush., \$1.75; bag of 2 bush., \$3.15; 10 bush. and over, \$1.50 per bush.

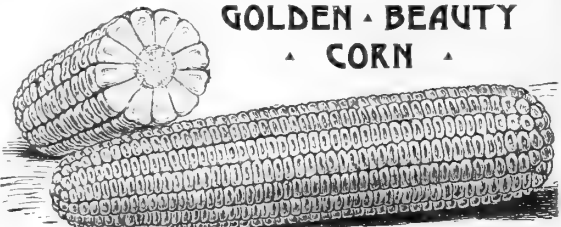
FARMERS FAVORITE GOLDEN DENT.

This is an improved variety of the Golden Dent Gourd Seed, which it resembles in some respects, ripening earlier, frequently maturing in one hundred days from time of planting. The ears are of good size, with very small cob and very large, deep grains, of a beautiful, bright golden yellow color. The corn meal made from this corn is very superior in quality and appearance. It produces well, even on light land, frequently yielding from ninety to one hundred bushels shelled corn to the acre, with ordinary cultivation. Lb., 30c.; 3 lbs., 75c. post-paid; qt., 15c.; peck, 60c.; bush., \$1.75; bag of 2 bush., \$3.15; 10 bush. and over, \$1.50 per bush.

CLOUD'S EARLY YELLOW DENT.

This corn, originated some years ago by Jas. Cloud, a prominent Chester County farmer. It has taken first premiums wherever it has been exhibited. It has a fine, rich appearance, weighs well, starts early and with a strong stalk as soon as it comes out of the ground; grows vigorously, though the stalks only range from seven to nine feet in height. It withstands severe droughts to a remarkable degree. Ears, set low, are of large size, well filled, very deep grained; sixty to seventy ears will yield a bushel of shelled corn. Matures early, and very productive. Lb., 30c.; 3 lbs., 75c. post-paid; qt., 20c.; peck, 75c.; bush., \$2.00; bag of 2 bush., \$3.75; 5 bush. and over, \$1.75 per bush., bags included.

PREMIUM CHESTER COUNTY MAMMOTH. Wherever introduced has given universal satisfaction, both on account of its large yields, fine quality of grain, and superior fodder. The ears are large and well formed, grain very large, deep, and of a bright yellow color; the stalk is large, averaging from ten to fourteen feet, producing a larger quantity of fodder than any other yellow corn. Our stock has been improved each year by the most careful and skilful selection of the largest, best formed, and earliest ears. It will pay you to plant it, as the increased yield will pay the cost of seed many times over. By mail, post-paid, pkt., 10c.; lb., 30c.; 3 lbs., 75c. By freight or express, bags included, qt., 15c.; peck, 60c.; bush., \$1.75; bag of 2 bush., \$3.15; 10 bush. and over, \$1.50 per bush.



The Golden Beauty is a large and broad grained yellow corn. The ears are of perfect shape, with from ten to fourteen straight rows of bright golden yellow grains, filled out completely to the extreme end of the cob. The cob is very small in comparison with the size of the ear, and when broken in half the grains will reach across. The richness of color and fine quality of grain makes it vastly superior for grinding into meal. The stalks take strong hold in the ground, grow vigorously to a height of eight to nine feet. Golden Beauty matures in one hundred and ten days from planting. We have many favorable reports from customers who planted this corn, yielding in many cases at the rate of one hundred and twenty-five bushels to the acre. Prices by mail, post-paid, large pkt., 10c.; lb., 30c.; 3 lbs., 75c. By freight or express, qt., 15c.; peck, 65c.; bush., \$1.75; bag of 2 bush., \$3.15; 10 bush. and over, \$1.50 per bush., bags included.

HICKORY KING CORN.

This is unquestionably the largest grained and smallest cobbled pure white Dent corn in cultivation. The grain is so large and cob so small, that by breaking an ear in half, one grain will cover the entire end of the cob. The ears grow seven to nine inches in length, are generally borne three to a stalk. It ripens medium early, yet we do not recommend it as an entirely safe crop north of the latitude of Pennsylvania. It is particularly adapted to and will yield more on thin soil than any other White Field Corn. By mail, postage paid, ear, 20c.; pkt., 10c.; lb., 30c.; 3 lbs., 75c. By freight or express, qt., 20c.; peck, 75c.; bush., \$2.00; bag of 2 bush., \$3.75.

BRAZILIAN FLOUR CORN. A variety with a white, floury grain, yielding when ground a flour equal to the best wheat flour. It stools from the ground like wheat, six to ten stalks from a grain, bearing as many ears to a stalk. For boiling or roasting it is equal to sugar corn, being very rich, sweet and juicy in a green state. Post-paid, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By freight or express, qt., 25c.; peck, 90c.; bush., \$2.75.

JOHNSON & STOKES' NEW GIANT BEAUTY FIELD CORN.

In the new **Giant Beauty**, now offered for sale for the first time, 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 Clouds' 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 the accompanying illustration made from an average ear. 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, even on light and poor land. **Giant Beauty** presents the most perfect type of Yellow Field Corn ever introduced in every respect and should be planted by all farmers who want to be abreast of the times. Prices for 1890: Pkt., 15c.; ear, 25c.; lb., 40c.; 3 lbs., \$1.00, post-paid by mail. By express or freight, peck, \$1.00; bush., \$3.00; sack of 2 bush., \$5.00.



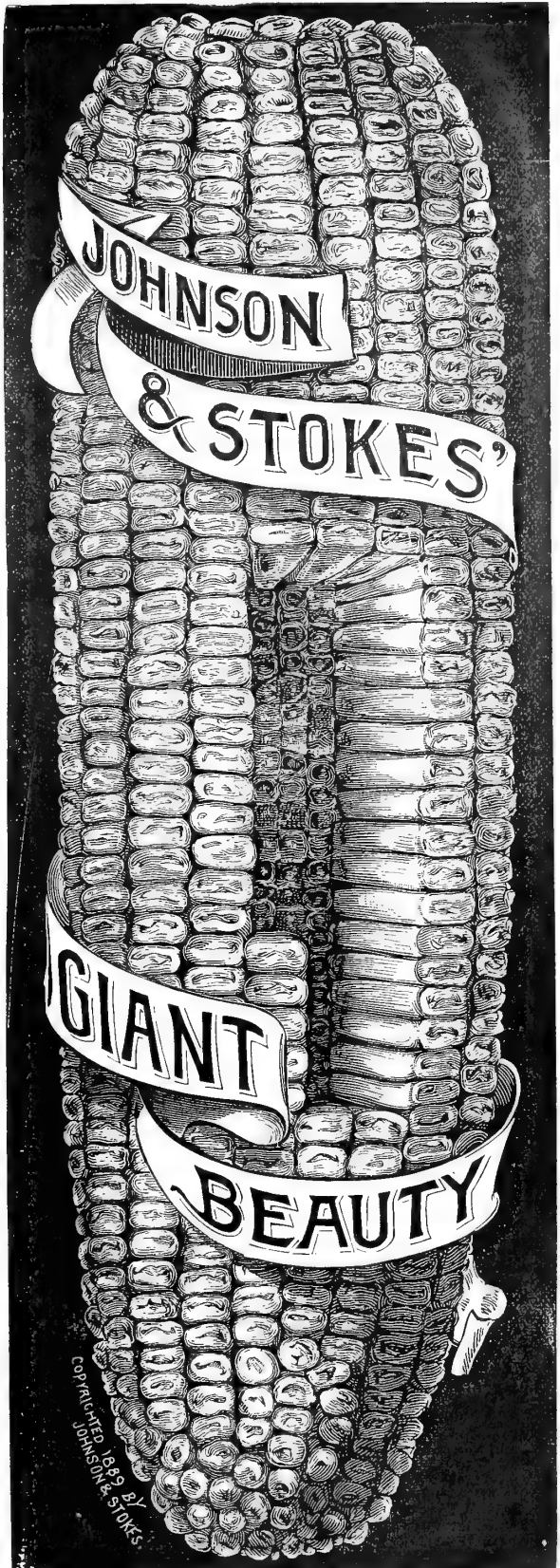
RED COB ENSILAGE CORN.

In introducing this new and superior ensilage corn we can fully recommend it, from experience, as being the heaviest cropping variety in cultivation, producing fifty to seventy-five tons per acre. It has been thoroughly tested in all dairy sections of the country with the best results. It is a pure white Dent corn, of large size and handsome appearance, growing on a red cob. The fodder is sweet, tender, juicy, and said to contain more nourishment than any other variety. It grows thirteen to fourteen feet in height, taking strong hold in the ground, standing up well and resisting storms of all kinds to a remarkable degree. Peck, 60c.; bush., \$1.60; 10 bush. and over, \$1.40 per bush.

BLUNT'S WHITE PROLIFIC, or MAMMOTH ENSILAGE CORN. Produces three to eight good ears to a stalk. It is also much used for ensilage, and has been known to produce seventy tons of fodder to the acre. Peck, 50c.; bush., \$1.50; 10 bush. and over, \$1.35 per bush.

LONGFELLOW'S AND EARLY YELLOW CANADA. These well-known eight rowed yellow flint varieties ripen very early, and are well adapted to the North and for late replanting. Qt., 20c.; peck, 75c.; bush., \$2.25.

SUGAR CORN FOR GREEN FODDER. Profitable as green feed for milch cows from the fact that it is sweeter and more nutritious and eaten more readily than fodder from Field Corn. Bush., \$1.50; 5 bush. and over, \$1.40 per bush.





KAFFIR—CORN THE GREAT FORAGE AND GRAIN PLANT.

KAFFIR CORN.

We were the first Northern seedsmen to offer and introduce, three years since, this valuable new and distinct variety of sorghum, which is now successfully cultivated for both forage and grain, in all sections of the United States. Our customers everywhere are enthusiastic in its praise. Our illustration above was made from a photograph taken in our field growing for seed. It is the best **general purpose** plant of all the varieties of sorghum yet offered, and will make a paying crop on land that will not yield five bushels of corn or wheat. It is early as Amber Cane, and will mature its seed as far North as Minnesota and New York. It 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. It grows not over five to six feet on best land, is easily managed, bears as many blades as a stalk of Millo, or corn that is twice as tall, foliage wide, thick, cures into the best of fodder. It does not stool at all at the bottom, but grows stocky and strong and branches at the top two to four heads to each stalk. If cut down for forage, the shoots again spring from the ground. It can be put thick, bears massing in the rows. There is no failure about it, as it possesses the quality that all the tribes possess, of **waiting for rain** without any loss of capacity to yield. The grain is nearer to wheat than any other sort. It makes a flour that is like wheat, makes up like it, and tastes like it, except being a little sweeter and well adapted to human food. It can be cultivated the same as our common Indian Corn, requiring four to five pounds of seed per acre. By mail, postage paid, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00; by freight or express, qt., 20c.; peck, \$1.00; bush. (60 lbs.), \$3.50.

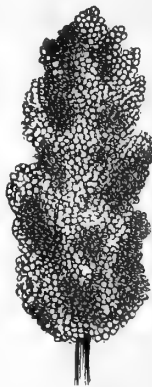
TEOSINTE (REANA LUXURIANS). This gigantic Grammea of Central America somewhat resembles Indian Corn. It produces a great number of shoots, growing twelve feet high, very thickly covered with leaves, yielding an abundance of forage. In the North a single seed will make from twelve to sixteen stalks. It surpasses either corn or sorghum as a soiling or fodder plant. Planted three feet apart, it will cover the ground by autumn with only ordinary culture. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LARGE AFRICAN MILLET. A variety of sorghum, growing stalks ten feet high, and yielding heads of grain twelve to fourteen inches long. If the stalk is cut down and cured it makes excellent forage, well eaten by stock in winter. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid; qt., 25c.; peck, \$1.25; bush., \$4.00.

WHITE MILLO MAIZE, OR DHOURA. A grain, of South American origin, which we have distributed largely the past five seasons. Our customers are highly pleased with it, and pronounce it a valuable acquisition, both for a grain and forage crop. It can be cut repeatedly for green feed, or for fodder. It stools or branches freely; the mass of foliage it produces is enormous, and it stands dry weather well. Plant in April, in rows three by four feet apart, five to eight seeds in a hill, requiring two pounds to the acre, and cultivate as corn. Post-paid, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00; by express or freight, qt., 20c.; peck, \$1.25; bush., \$4.00.

YELLOW MILLO MAIZE, OR YELLOW BRANCHING DHOURA.

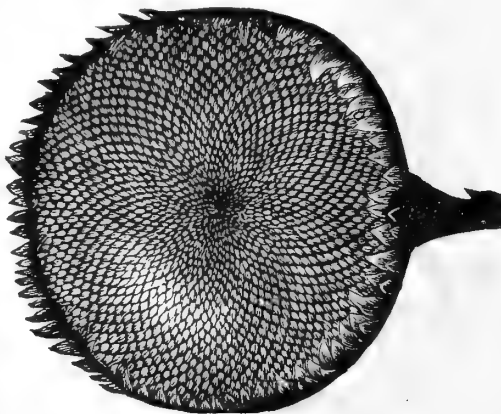
Another new variety of sorghum, valuable for both forage and grain. Its growth is tall, nine to twelve feet, stooing from the ground like the white Millo Maize. It sends out shoots also from the joints. The seed heads grow to greater size, often weighing a full pound after being fully ripe. The heads are set close and solid, with a large, plump grain, double the size of White Millo, and of deep golden yellow color. In shape, the seed head is thick, well shouldered, solid, never long and narrow, and by reason of size and weight, each head is the full equal in grain to a fine ear of corn. The heads begin to turn down usually as soon as formed, and when ripe it hangs on a short goose-neck stem. The grain makes most excellent feed for horses, cattle, chickens or human food. It will mature its main head in 100 days and still go on maturing others until cut down by frost. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid; qt., 25c.; peck, \$1.50; bush., \$4.50.



YELLOW MILLO MAIZE.

SUGAR CANE—EARLY AMBER. This is by far the best variety 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. For ensilage or fodder, it possesses important advantages. By mail, post-paid, lb., 30c.; 3 lbs., 75c.; by express or freight, qt., 20c.; bush. of 56 lbs., \$2.50; 10 bush. or over, \$2.25 per bush.

RAMIE—Silver China Grass. (*Urtica nivea*.) This is the variety now so extensively cultivated in the South for its fibre, machinery having been recently perfected in the United States for separating the fibre from the stalk. The seed should be germinated by sowing it on cotton, floating in a tub of lukewarm water, and transferring it to a bed, screened from the hot sun. When the plants are four inches high, transplant to a field in rows four feet apart each way; and when plants are three feet high, turn them over and peg to the ground, after which cover them with the earth, and they will start in every direction, completely covering the field in a short time. Pkt., 20c.; oz., 90c.; lb., \$10.00.



MAMMOTH RUSSIAN SUNFLOWEE.

MAMMOTH RUSSIAN SUNFLOWEE.

THE GIANT-OF-ALL SUNFLOWERS. Growing to double the size of the common sunflower, 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. In fact there is no waste whatever in any of its product. Pkt., 5c.; qt., 25c.; qt., post-paid, 40c.; peck, 90c.; bush., \$3.00.

BROOM CORN.

WEBER'S IMPROVED EVERGREEN. This strain of Evergreen Broom Corn 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 red-dish tinge, height seven to eight feet. Qt., 30c.; peck, \$1.00; bush., \$2.50.

Dwarf Evergreen. Grows three to four feet high, straight, smooth brush. Qt., 20c.; peck, 80c.; bush., \$2.50.

THE BALTIC WHITE OATS.

This entirely new and distinct oat, now offered for sale in America for the first time, comes from the borders of the Baltic Sea in Sweden, where it is considered the very best of all Swedish varieties. After two years' trial we find them superior in all respects to any oats we have ever grown. In manner of growth they are different from any other variety, being neither a side nor sprangle oat, but growing closely and evenly all around the main stalk. We quote the following from a letter just received from our farmer, one of the largest oat growers in the State of New York: "I have grown nearly every oats offered for sale in the last fifteen years and none have proved half so desirable as these, out-yielding all other varieties I ever saw growing, my field of eighteen acres averaging eighty-five bushels to the acre, being twenty-six bushels more to the acre than Clydesdale under same cultivation, and the handsomest oat field I ever saw. Very stiff in straw, standing up well and entirely free from rust or smut, grain exceedingly large and handsome, weighing forty-five pounds per measured bushel. You will make no mistake in pushing this oat plump to the front." We distributed last season several hundred small sample packets for thorough trial among our customers, and the few reports published below are a fair sample of the many received. No progressive farmer should fail to plant **The Baltic Oats** this season, as all that can be grown in 1890 will be wanted for seed in 1891. Prices, per large pkt., 15c.; lb., 35c.; 3 lbs., \$1.00, post-paid; peck, 75c.; bush., \$2.25; bag of 2½ bushels, \$5.00; 10 bushels and over, \$1.85 per bushel, sacks included.

THE NEW BALTIC OATS.

A. E. CLARK, Haigler, Neb., Aug. 16, 1889, writes: "The Baltic Oats sent us for trial are the best oats I ever raised. All who have seen them pronounce them the very finest. We obtained a peck from that little packet."

R. E. MAYNARD, St. Charles, Minn., Oct. 23, 1889, writes: "I think the Baltic Oats the best I ever saw. Very early and most productive; grain plump and heavy, straw large and strong."

C. GUNDBROWN, Cannon, Del., Sept. 28, 1889, writes: "Baltic Oats grows nicely, has very strong stalk, large, well filled heads and yields largely in excess of any other."

J. N. BANKSON, Fort Gratiot, Mich., Oct. 24, 1889, writes: "The new Baltic Oats did well, notwithstanding the extremely dry season we had in this locality. They fill better than any other variety I know of."

F. R. MCKINLEY, Guy, Wash., Oct. 31, 1889, writes: "I think very highly of the Baltic Oats and do not believe they can be beaten for earliness, quality, yield and weight."

R. M. HAMLIN, Hamlin, Ky., Aug. 19, 1889, writes: "The Baltic Oats did well; they make a large amount of fodder, grow tall and rapidly, and yield enormously. I like them very much indeed."

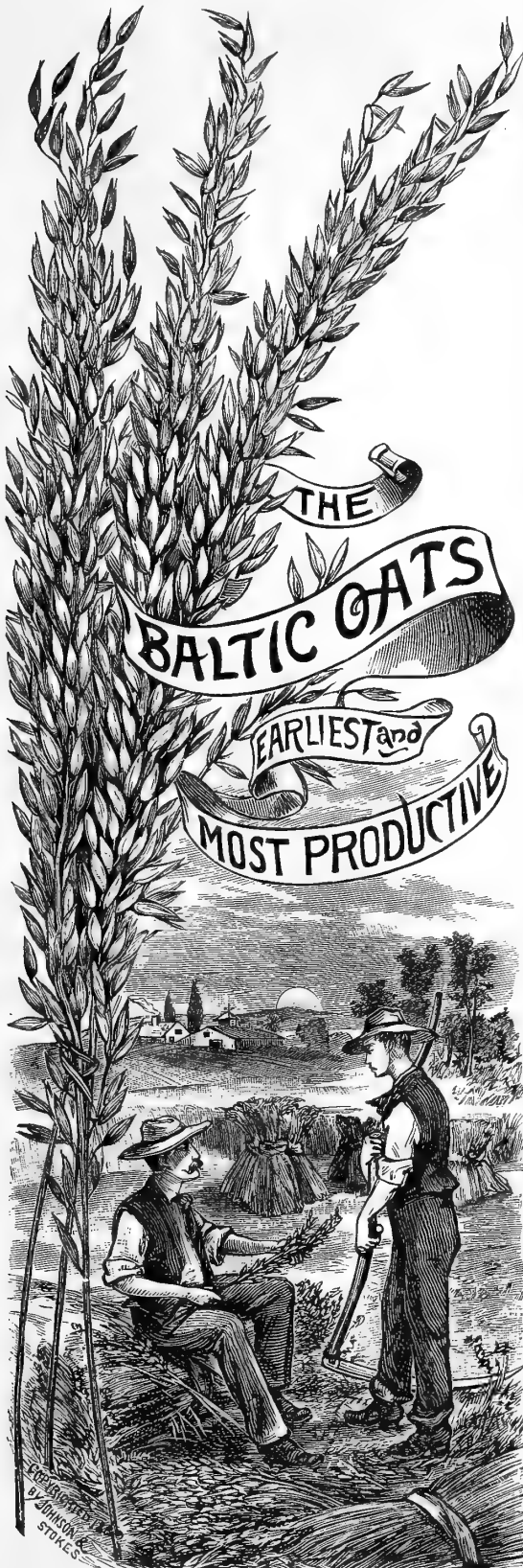
C. L. BEARD, Clarington, Ohio, Sept. 21, 1889, writes: "I am more than pleased with the quality and yield of the new Baltic Oats sent me last spring. The Japanese Buckwheat was fine; from the quarter bushel sent me I threshed ten bushels of splendid grain."

NEW CLYDESDALE OATS. Well cleaned samples of these oats will weigh fifty-one to fifty-three pounds per bushel, while an ordinarily cleaned lot will weigh forty-six to forty-eight pounds. Aside from its extraordinary weight, it ripens earlier and will produce more weight of grain to the acre than ordinary oats. The straw is straight, stiff, of good height, crowned with long, beautiful branching, well-filled heads twenty to twenty-four inches long, and free from any tendency to lodge. If you want to double the yield of your oats crop, you must sow either **New Baltic** or **Clydesdale**, as there is nothing to equal them in productiveness and quality. Pkt., 10c.; lb., 30c.; 3 lbs., 75c. post-paid; by freight or express, peck, 60c.; legal bushel of 32 lbs., \$1.50; 10 bushels and over, \$1.35 per bushel, bags included.

PRINGLE'S PROGRESS OATS. This variety was made by Mr. Pringle, of Vermont, by crossing the **Excelsior** with the **Chinese Hulless**. In it we have a short stiff straw, and a long, full head, averaging as large as the largest of the taller varieties, well filled, and only two-thirds as much straw. By mail, post-paid, pkt., 10c.; lb., 30c.; 3 lbs., 75c. By freight or express, peck, 60c.; bush., \$1.50.

WELCOME OATS. This oat has given great satisfaction everywhere, succeeding in a wide range of climate, and on a great variety of soil. Very productive and weighs from forty-eight to fifty pounds per measured bushel. The grain is very large, handsome, plump and full, with thin, white, close-fitting husk. They stool heavily. Extra strong, straight straw, five to six feet in height. By mail, post-paid, large pkt., 10c.; lb., 30c.; 3 lbs., 75c. By express or freight, peck, 40c.; legal bushel (32 lbs.), \$1.15; 10 bushels and over, \$1.00 per bushel, bags included.

Wide-Awake American Triumph, White Belgian, White Russian, White Probstier, Surprise, Excelsior, Canadian, Winter Oats, and other popular varieties of seed oats, at bottom prices. Each, 30c. lb., or 3 lbs. for 75c., by mail, post-paid. By freight or express, bags included, per legal bushel, 32 lbs., \$1.15; 10 bushels and over, \$1.00 per bushel.



SPRING WHEAT.

FRENCH IMPERIAL. This wheat has proven itself a most desirable variety. It possesses the quality of filling out plump, hard, extra No. 1 wheat, weighing sixty-two to sixty-four pounds per measured bushel. It is well adapted to rather poor soils, producing good crops of No. 1 hard wheat. The wheat is vigorous and strong in its growth, and yielded the past season from forty to fifty bushels per acre. By mail, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. Express or freight, peck, 80c.; bush., \$2.75.

SASKATCHEWAN FIFE. This wheat comes originally from Manitoba, and is pronounced by the great milling kings of the Northwest the best. It frequently weighs sixty-five pounds to the bushel, and it is said fifty bushels to the acre is not an uncommon yield. It is ten days earlier than the common Fife, straw growing about a foot taller, standing stiff and strong; highly recommended. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid. Peck, 80c.; bush., \$2.75.

SPRING RYE.

Distinct from the winter rye, grain of finer quality and more productive; can be successfully grown in any latitude. Lb., 35c.; 3 lbs., \$1.00, post-paid; peck, 65c.; bush., \$2.00.



NEW JAPANESE BUCKWHEAT. In 1883 a gentleman travelling in Japan sent to a friend in New Jersey about a thimbleful of this new variety. It was carefully planted, and enough seed raised to sow one-half bushel in 1886, from which the crop was fairly bushy. A few bushels of this was given out for trial among neighboring farmers, who were delighted with the enormous yields it produced. Sown at the same time with Silver-Hull, it proved two weeks earlier and yielded twice as great. The kernels are **twice the size** of any other buckwheat, as shown in our illustration above; of a rich dark brown color and manufacture a superior flour. Owing to its branching character only one-half as much seed is required per acre, while the straw is much stiffer and stands up better. This new buckwheat must in time displace all others. Pkt., 10c.; lb., 30c.; 3 lbs., 75c., post-paid; qt., 20c.; peck, 60c.; bush., \$1.75; 5 bush. and over, \$1.60 per bush., sacks included.

SILVER-HULL BUCKWHEAT. Sown at the same time as the common buckwheat, this variety continues in bloom longer, matures earlier, and yields nearly double. The flour produced from it is whiter and more nutritious. Lb., post-paid, 25c.; qt., 20c.; peck, 50c.; bush., \$1.50.

COMMON BUCKWHEAT. Qt., 15c.; bush., \$1.25.

SOJA HISPIDA (Soja Bean). Grown largely for forage crops and valuable for green manuring. Pkt., 10c.; lb., 50c., post-paid; peck, \$1.25; bush., \$4.00.

Thousand-Headed Cabbage, or Kale. Oz., 10c.; lb., 60c.; 5 lbs. and over, 50c. per lb.

Flaxseed. Qt., 15c.; bush., 56 lbs., about \$2.50.

Osage Orange. Lb., 50c.; peck, \$2.00; bush. of 33 lbs., \$7.00.

Manshury Barley. The earliest and most productive. Qt., 20c.; peck, 60c.; bush., \$2.00.

Spring Barley. Qt., 15c.; peck, 50c.; bush., 48 lbs., \$1.50.

Spring Tares, or Vetches. Qt., 30c.; bush., \$3.50.



▲ GRASS IS KING ▲

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.

Our little work, "GRASSES FOR THE NORTH AND SOUTH," giving descriptions and illustrations of all varieties, will be mailed to all who write for it.

POSTAGE ON GRASS SEEDS.

Remit, in addition to price, 8c. 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.

VARIETIES OF CLOVER.

Clovers are the Foundation of Farming.

ALSIKE, SWEDISH or HYBRID CLOVER. (*Trifolium Hybridum*). This valuable variety is the hardiest of all the clovers and is sometimes called "Giant White Clover." It is a perennial, therefore adapted for permanent pastures or for hay crop. Perfectly hardy; 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.

Its superior pasturage is much liked by cattle, and it is well suited to sowing on lands liable to wash, as its long, fibrous roots spread over a wide area and so interlace and hold the soil as to resist the heaviest rains. Blossom heads round, flesh-colored, sweet and fragrant, much liked by bees. Sow six pounds per acre in spring or fall. Lb., 30c.; 10 lbs., \$2.50; 25 lbs. and over, 20c. per lb.; bushel of 60 lbs., \$10.00.



ALSIKE, OR SWEDISH, THE HARDEST OF THE CLOVERS.

SAINFOIN, or ESPARSETTE. (*Onobrychis Sativa*). An excellent new perennial Fodder Plant, growing to the height of about three feet, and flowering in June and July. Its stand improving by age. It is naturally adapted for light chalky soils, being an enriching, heat resisting clover, and may be sown either broadcast or drilled. If the broadcast system of sowing is preferred, it will require about five to six bushels per acre; if drilled, four to five bushels. It will crop from seven to ten years, according to the nature of the soil. Lb., 20c.; 10 lbs., \$1.50; bushel of 25 lbs., \$3.00.

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 remarkable strong growth, occasioned by its roots penetrating the ground to a great depth, ten to twenty feet, until they are altogether out of reach of drought. Its cultivation is simple, requiring no more care and attention than a crop of the ordinary red clover, excepting the first year in preparing the soil and seeding; the ground should be thoroughly mellowed and prepared by clean and careful tillage, the seed sown with any grain crop in the spring, or as a separate crop, at the rate of ten to twelve pounds per acre, and the second year it will become thoroughly established. It delights in deep, loamy soil, with a sand or gravel subsoil. Lb., 30c.; 10 lbs., \$2.50; 25 lbs. and over, 20c. per lb.; bushel, 60 lbs., \$10.00.

Bokhara Clover. Excellent for bee food, growing well on poor soil. Per lb., 35c.; 10 lbs., \$3.00.

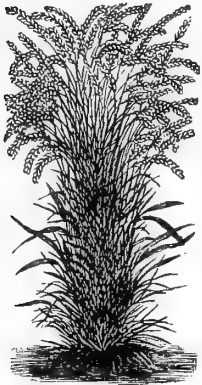
Crimson, or Carnation Clover. The most attractive of the clovers by its bright scarlet flowers, giving a desirable succession of green food. Lb., 25c.; 10 lbs., \$2.00.

WHITE DUTCH CLOVER. The best to sow with lawn grass and valuable in permanent pastures. Oz., 5c.; lb., 40c.; 25 lbs. and over, 30c. per lb.; bush., 60 lbs., \$12.00.

Clover, Common Red. Lowest market prices.

MAMMOTH PEA VINE, or SAPLING CLOVER. Market variable. Lowest market prices.

Japan Clover. Valuable for the South. Lb., 40c.



CANADIAN BLUE GRASS. (*Poa Compressa*.) The hardiest 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 and fine flavored butter, and it is especially relished by sheep. Its bluish-green stems retain their color after the seed is ripe. It shrinks less in drying than most other grasses, and consequently makes a hay very heavy in proportion to its bulk. It is an excellent grass for dry, sandy, thin soils and banks, and for covering the surface of rocky soils, along trodden walks, gravelly knolls and upon all soils that are affected seriously by long continued droughts. Qt., 25c.; bush., 14 lbs., \$2.50.

KENTUCKY BLUE GRASS. (Fancy, triple cleaned.) Valuable for pasture when mixed with other varieties, retaining its verdure in the hottest weather. Qt., 15c.; bush., 14 lbs., \$1.50; 5 bush. and over, \$1.40 per bush.

JOHNSON GRASS. This grass is being used in increased quantities, not only in the South, but in the West, and largely in New Jersey. It is perennial, a rapid grower, very nutritious, being eagerly devoured by all kinds of stock. Comes early in spring, grows until the frost cuts it down in the fall, stands the drought better than any grass, having long, cane-like roots, which penetrate the soil for moisture; superior both as a grazing and hay grass. One bushel will sow an acre. Qt., 30c.; bush., 25 lbs., \$3.00.

ORCHARD GRASS. One of the most desirable pasture grasses. Qt., 15c.; bush., 12 lbs., about \$1.40.

Timothy. Qt., 20c.; bush., 45 lbs., about \$2.25.

HERD, or RED TOP GRASS. A valuable native permanent grass, as a mixture in meadows or pastures, growing in almost any soil, moist or dry. Qt., 10c.; bush., 10 lbs., 75c.; in sacks of 50 lbs., about \$3.00.

East India, or Pearl Millet. Cultivated for fodder. Lb., 30c.; 10 lbs. and over, 25c. per lb.

Sweet Vernal Grass. Useful to mix with other grasses for pastures or lawns, emitting an agreeable odor when cut. Lb., 50c.; bush., 10 lbs., \$4.00.

Hungarian Millet Grass. One of the most valuable annual forage plants. Qt., 10c.; bush., 48 lbs., about \$1.50.

German, or Golden Millet Grass. Will grow in almost any climate or soil; the yield in hay or seed is larger than any other variety. Qt., 10c.; bush., 50 lbs., about \$1.75.

Common Millet. Qt., 10c.; bush., 50 lbs., about \$1.50.

Tall Meadow Oat Grass. A valuable grass for permanent pasture, on account of its early, luxuriant growth and abundant supply, which is relished by cattle, early and late. Makes splendid hay. Qt., 20c.; bush., 13 lbs., \$2.50.

English Rye Grass. A nutritious, permanent grass, for meadows and pastures. Qt., 20c.; bush., 24 lbs., \$2.50.

Wood Meadow Grass. Adapted for pleasure grounds, under trees, where few other grasses can exist; forms a fine sward; fine for pastures under close feeding. Sow twenty-eight pounds to acre. Lb., 40c.; bush. of 14 lbs., \$5.00.

Meadow Foxtail, Crested Dogtail, Fine-Leaved Fescue, Water Meadow, Rough-Stalked Meadow, Water Fescue, each, per lb., 45c.; 10 lbs. and over, 40c. per lb.

Rhode Island Bent, Meadow Brome, Tufted Hair, Creeping Bent, Wood Hair, Hard Fescue, Sheep Fescue, Meadow Fescue, or English Blue, Meadow Soft, each, per lb., 35c.; 10 lbs. and over, 30c. per lb.

JOHNSON & STOKES' NEW EVERGREEN LAWN GRASS SEED.



It has become a well recognized fact that a beautiful lawn produces more real, grand, cheerful and refined effect, around either mansion or cottage, than anything else that the art of man has been able to produce.

OUR EVERGREEN LAWN MIXTURE

Will insure a beautiful dwarf, green, compact sward, and remain green and fresh during our hot, dry summer months, even when sown on Lawns, Tennis, Croquet and Ball Grounds in constant use, and has become widely known, and is exclusively used on the finest public and private grounds around Philadelphia, New York and other cities.

Prices, qt., 25c.; 2 qts., 40c.; qt., post-paid, 30c.; peck, \$1.00; bush., 16 lbs., \$4.00.

OUR FAIRMOUNT PARK LAWN MIXTURE

Is composed of fine grasses, but less expensive than those used in our Evergreen Mixture. Qt., 20c.; 2 qts., 35c.; qt., post-paid, 25c.; peck, 75c.; bush., 14 lbs., \$3.00.

A quart will sow about 300 square feet. Three to four bushels are required to sow an acre. Instructions how to prepare and sow a lawn are printed on each package.

SOWN WITH JOHNSON & STOKES' EVERGREEN LAWN GRASS SEED

SPECIAL MIXTURES FOR PERMANENT PASTURE AND MOWING LANDS.

JOHNSON & STOKES' No. 1 MIXTURE FOR PERMANENT PASTURE. Per bushel, \$2.50. Contains, blended in proper proportion for the purpose, the following Grasses: Orchard Grass, Hard Fescue, Meadow Fescue, Canadian Blue, Sweet Vernal, Meadow Foxtail, Tall Meadow Oat, Red Top, Kentucky Blue, Italian Rye Grass, Perennial Rye Grass, Timothy, Wood Meadow, Rough-Stalked Meadow, Alsike Clover, White Clover.

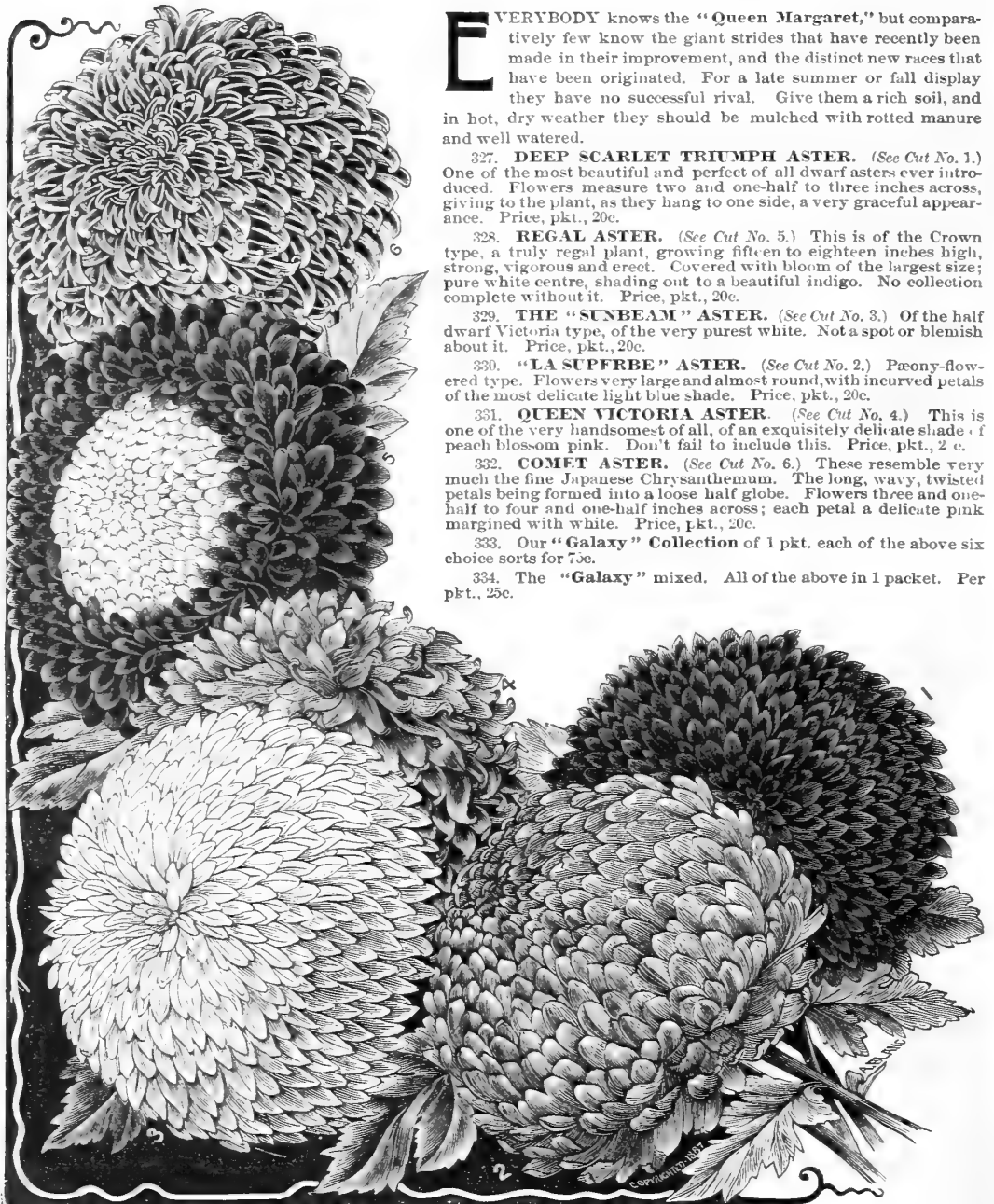
JOHNSON & STOKES' No. 2 MIXTURE FOR PERMANENT MOWING. Per bushel, \$2.50. Contains, properly blended: Red Top, Italian Rye Grass, Perennial Rye Grass, Orchard Grass, Timothy, Red Clover, White Clover, Fine-Leaved Fescue, Rhode Island Bent Grass, Rough-Stalked Meadow, Meadow Fescue, Meadow Foxtail, Meadow Soft.

NOVELTIES AND CHOICE

SPECIALTIES IN

FLOWER SEEDS

A GALAXY OF
GLORIOUS * ASTERS.



EVERYBODY knows the "Queen Margaret," but comparatively few know the giant strides that have recently been made in their improvement, and the distinct new races that have been originated. For a late summer or fall display they have no successful rival. Give them a rich soil, and in hot, dry weather they should be mulched with rotted manure and well watered.

327. **DEEP SCARLET TRIUMPH ASTER.** (See Cut No. 1.) One of the most beautiful and perfect of all dwarf asters ever introduced. Flowers measure two and one-half to three inches across, giving to the plant, as they hang to one side, a very graceful appearance. Price, pkt., 20c.

328. **REGAL ASTER.** (See Cut No. 5.) This is of the Crown type, a truly regal plant, growing fifteen to eighteen inches high, strong, vigorous and erect. Covered with bloom of the largest size; pure white centre, shading out to a beautiful indigo. No collection complete without it. Price, pkt., 20c.

329. **THE "SUNBEAM" ASTER.** (See Cut No. 3.) Of the half dwarf Victoria type, of the very purest white. Not a spot or blemish about it. Price, pkt., 20c.

330. **"LA SUPRBE" ASTER.** (See Cut No. 2.) Pæony-flowered type. Flowers very large and almost round, with incurved petals of the most delicate light blue shade. Price, pkt., 20c.

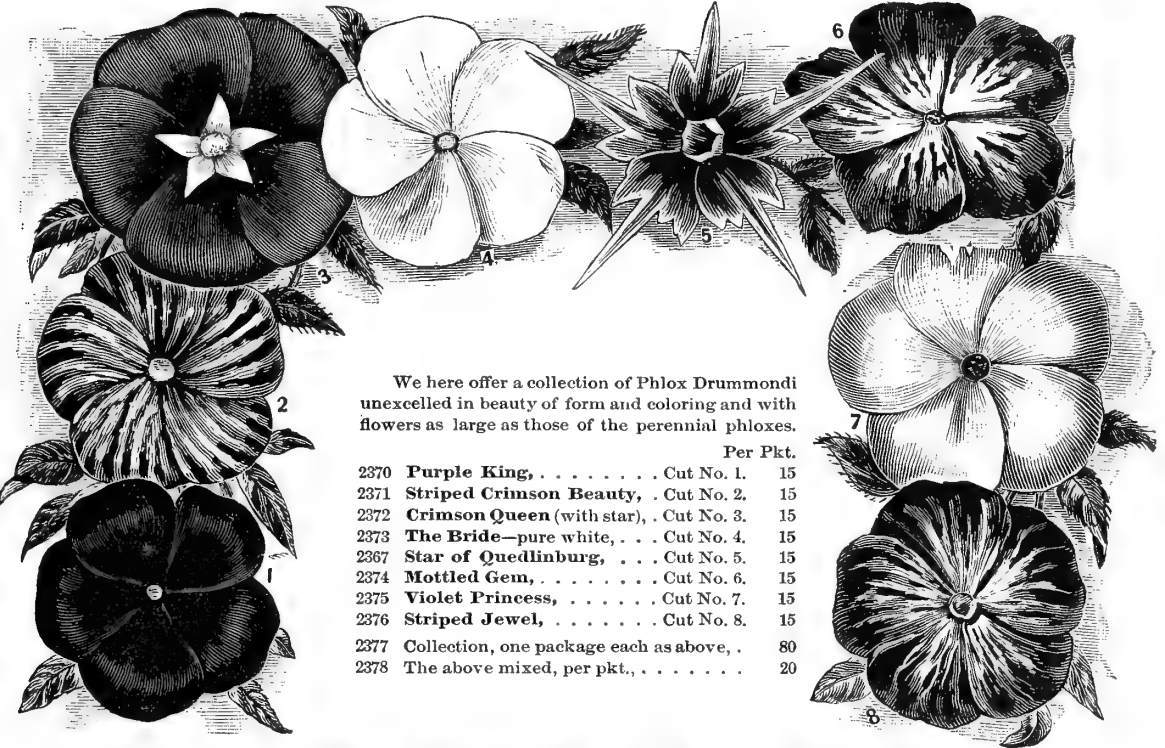
331. **QUEEN VICTORIA ASTER.** (See Cut No. 4.) This is one of the very handsomest of all, of an exquisitely delicate shade of peach blossom pink. Don't fail to include this. Price, pkt., 2 c.

332. **COMET ASTER.** (See Cut No. 6.) These resemble very much the fine Japanese Chrysanthemum. The long, wavy, twisted petals being formed into a loose half globe. Flowers three and one-half to four and one-half inches across; each petal a delicate pink margined with white. Price, pkt., 20c.

333. Our "Galaxy" Collection of 1 pkt. each of the above six choice sorts for 70c.

334. The "Galaxy" mixed. All of the above in 1 packet. Per pkt., 25c.

A PAGE OF PHLOX AND BALSAMS.



We here offer a collection of Phlox Drummondii unexcelled in beauty of form and coloring and with flowers as large as those of the perennial phloxes.

	Per Pkt.
2370 Purple King,	Cut No. 1. 15
2371 Striped Crimson Beauty, . .	Cut No. 2. 15
2372 Crimson Queen (with star), .	Cut No. 3. 15
2373 The Bride—pure white, . . .	Cut No. 4. 15
2367 Star of Quedlinburg, . . .	Cut No. 5. 15
2374 Mottled Gem,	Cut No. 6. 15
2375 Violet Princess,	Cut No. 7. 15
2376 Striped Jewel,	Cut No. 8. 15
2377 Collection, one package each as above, .	80
2378 The above mixed, per pkt.,	20



NEW DOUBLE BALSAMS ROYAL CAMELIA PRIZE.

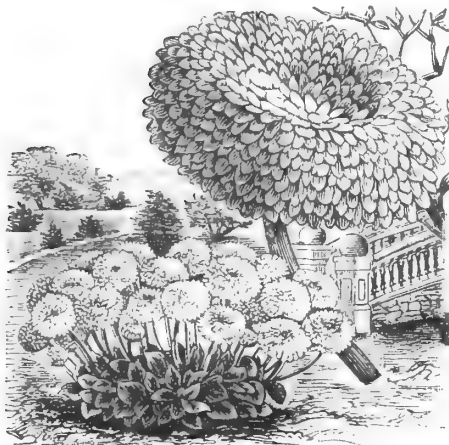
No. 386. This is the most magnificent strain of perfectly Double Balsams ever introduced. The flowers are wonderfully large size and perfect shape, of exquisite shades of pure white, white shaded with pale lemon, cream white, salmon, rose, rich crimson, deep pink, violet, bright purple, and a great variety of superbly mottled varieties. Price, pkt., 25c.



NEW CAMPANULA, "CUP AND SAUCER."



NEW FORGET-ME-NOT, "VICTORIA."



NEW DOUBLE DAISY, "GIANT SNOWBALL."



RICINUS, "DUTCHESS OF EDINBURGH."

OUR UNIQUE COLLECTION

2103. **NEW FORGET-ME-NOT, "VICTORIA."** Grows perfectly round in shape, five to seven inches high and eight to ten inches in diameter, and is entirely covered with large umbels of flowers of azure blue. This beautiful forget-me-not is the best of all for edgings and growing in pots for market. Price, per pkt., 15c.

604. **THE "CUP AND SAUCER" CAMPANULAS** are a very striking and beautiful variety of "Canterbury Bells." The flowers are large and resemble a cup and saucer. Colors are mixed blue, rose, lilac and white. Price, per pkt., 15c.

1023. **NEW DOUBLE DAISY, "GIANT SNOWBALL."** Has unusually large double flowers, having very long stems, rendering it very valuable for cutting; color, pure white. Price, pkt., 25c.

1513. **RICINUS, "DUTCHESS OF EDINBURGH."** The stem and leaves of this beautiful plant are of a bright metallic bronze; the large branches of fruit are of a fiery red, and as they are borne up some ten to twelve feet from the ground, it gives a tropical effect that is unexcelled and makes this regal plant one of the finest for decorating the lawn or garden in cultivation. All this can be obtained in one year from the seed. Price, per pkt., 15c.

2383. **NEW "SHIRLEY" POPPY.** Is perfectly hardy and flowers profusely the first season from seed. The flowers are large, exceedingly graceful and elegant; the colors are pure, soft and varied, and range from blush-white, rose, delicate pink, and carmine through innumerable tints to bright sparkling crimson; in some flowers the coloring is confined to the margin with a pale centre, in others there is a pale or white edge to a vivid and intense body color of bright hue; others again are flushed and shaded, and have a perfectly indescribable blending and harmony of colors, which must be seen to be fully realized, and all are remarkably beautiful. Price, per pkt., 15c.

The above are the most unique and finest varieties ever offered in collection. Every one is a choice gem in itself, and new. Single packets will be sold at prices given, or the entire "Aesthetic" collection for \$1.00.



NEW "SHIRLEY" POPPY.



NEW POPPY, "FAIRY BLUSH."

OF AESTHETIC BEAUTIES.

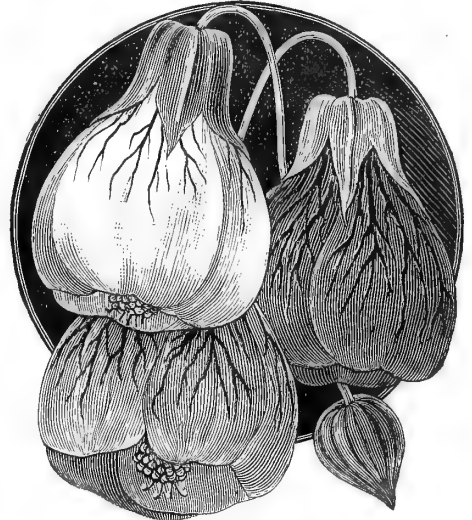
1640. **IMPATIENS SULTANI.** One of the most distinct and beautiful plants of recent introduction for the warm green-house or summer bedding; owing to its gorgeous coloring and profuse and continuous flowering it is rapidly becoming popular. This plant is of compact, neat habit of growth, with good constitution, and almost a perpetual bloomer. Planted out in the open ground at the end of June, it grows luxuriantly, flowers with the greatest profusion, and produces an admirable effect until cut down by frost. The flowers are of a brilliant rosy-scarlet color, about one and a half inches in diameter. Price, per pkt., 25c.

2383. **NEW POPPY, "FAIRY BLUSH."** Has immense globular flowers elegantly fringed and pure white, except at the tips, where they are distinctively colored with rosy cream. A light shading of lemon at the base of the central petals gives the flowers an appearance of great depth. Price, per pkt., 15c.

45. **ROYAL PRIZE ABUTILON.** Few lovers of these beautiful flowers are aware how easily they can be raised from seed, and how beautifully they flower all summer the first season. To get them in bloom early, the seed should be started in the house and the young plants set out in the garden when the weather is warm and settled. The Royal Prize Abutilons here offered embrace the most elegant colors, both selfs and streaked and veined varieties. Price, per pkt., 15c.

2501. **SALPIGLOSSIS GRANDIFLORA.** The large flowering Salpiglossis is one of the most beautiful of flowering annuals; the flowers large, of many beautiful colors and exquisitely veined and laced. They remain long in bloom, and in rich coloring they vie with orchids. Price, per pkt., 15c.

930. **COSMUS HYBRIDUS.** Plants four to six feet high; literally covered in the autumn with large single flowers. A group in bloom is a gorgeous sight. Colors range through shades of rose, purple, flesh and white. Price, per pkt., 15c.



ROYAL PRIZE ABUTILON.



COSMUS HYBRIDUS.



SALPIGLOSSIS GRANDIFLORA.

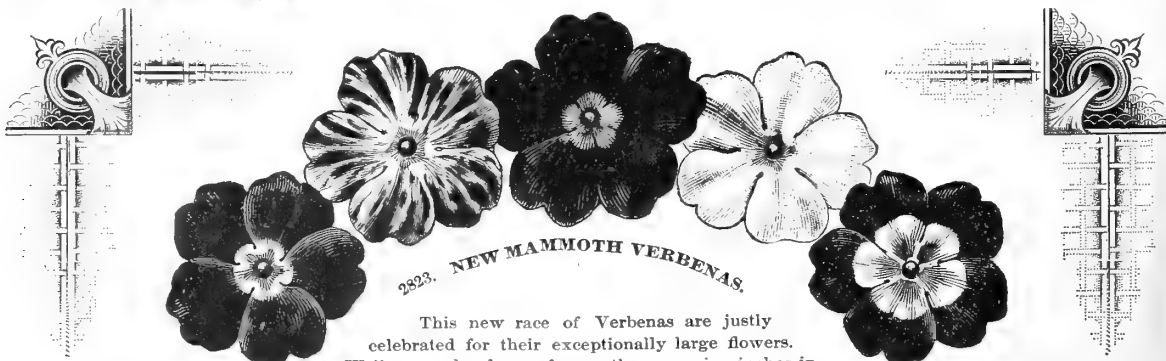


KINGLY PANSIES.

OUR "CROWNED" COLLECTION.

No finer collection ever offered, each variety of an unsurpassed type for size, color and beauty of marking.

	Per Pkt.
2290 King of the Bronzes,	\$0 20
2291 King of the Striped,	20
2292 King of the Blotched,	20
2293 King of the Stained,	20
2286 King of the Blacks,	20
2295 King of the Pure Whites,	20
2296 Our Six Kings,	\$1.00
2297 Our Kingly Collection, Mixed. Per pkt., 20c.	
2298 Our Peacock Pansy (see last Cover Page). Per pkt., 40c.; 3 for \$1.00.	



2823. NEW MAMMOTH VERBENAS.

This new race of Verbenas are justly celebrated for their exceptionally large flowers. Well grown heads, are frequently over nine inches in circumference while single flowerets are as large as a twenty-five-cent piece. They bloom just as freely as any of the common sorts and are much more vigorous in growth. Price, pkt., 25c.; 5 pkts., \$1.00.



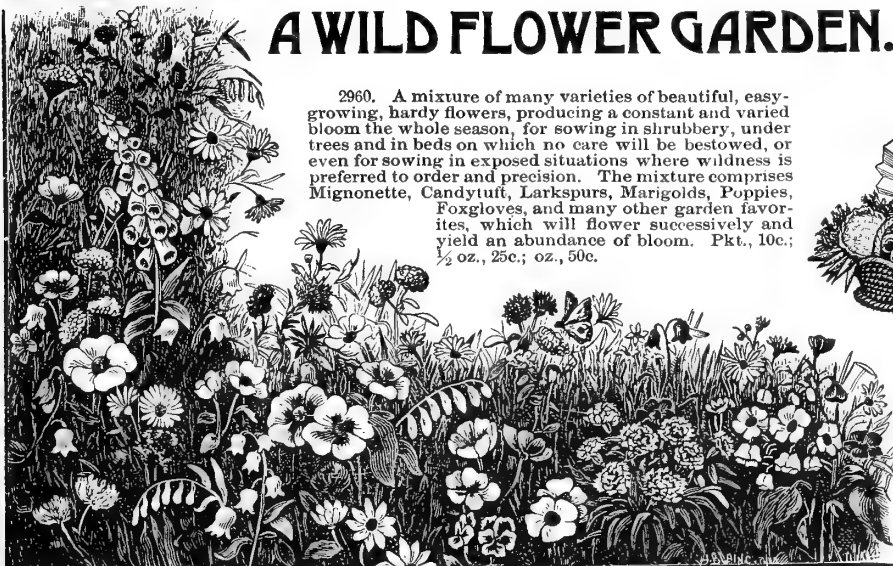
SWEET PEAS.

OUR CHALLENGE COLLECTION.

	Per Pkt.
2707. Adonis. Bright rosy,	10
2702. Butterfly. Pure white, laced with lavender blue,	10
2708. Lady Bird. New beautiful blue,	10
2709. Princess Beatrice. Rich carmine rose, slightly shaded,	10
2710. Painted Lady. Pink and white,	10
2711. Queen of the Isles. Very beautiful,	10
2712. Robin-Redbreast. Striking,	10
2713. Striped Charmer. A beauty,	10
2700. Vesuvius. Very large spotted,	10
2714. Orange Prince. Orange pink, flushed scarlet,	10
2715. Collection of the above 10 varieties,	50
2716. Challenge Collection. Mixed. Per oz., 75c.,	10

A WILD FLOWER GARDEN.

2960. A mixture of many varieties of beautiful, easy-growing, hardy 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. Pkt., 10c.; 1/2 oz., 25c.; oz., 50c.



General List of Flower Seeds.



All flower seeds are sent free by mail on receipt of price.
Full cultural directions will be found on each packet.

NUMBERS. To save our customers the trouble of writing out names we have attached a number to each variety, therefore, please order by the numbers.

PREMIUMS. In ordering Flower and Vegetable Seeds in packets purchasers sending \$1.00 may select packets to the amount of \$1.25. Those sending \$2.00, to the amount of \$2.50. Those sending \$3.00, to the amount of \$3.75, and so on.

FLOWER SEED BY WEIGHT. For the convenience of florists and amateurs who have occasion to use larger quantities than packets usually contain, we have affixed our price by the ounce to most varieties, subject to the following rules:

Varieties quoted from 10c. to 50c. per oz., no less quantity than 1 oz. will be sold at ounce prices.
Varieties quoted from 50c. to \$1.00 per oz., no less quantity than ½ oz. will be sold at ounce prices.
Varieties quoted from \$1.00 to \$2.00 per oz., no less quantity than ¼ oz. will be sold at ounce prices.
Varieties quoted from \$2.00 and upwards per oz., no less quantity than 1 oz. will be sold at ounce prices.

ABOBRA.

A rapid growing and climbing gourd, with beautiful dark green foliage and bright scarlet fruit; half-hardy perennial.
20. **A. Viridiflora.** Flowers fragrant and of a pale green color; 10 ft. Pkt., 10c.

ABRONIA.

A beautiful trailing plant from California, producing clusters of sweet-scented Verbena-like flowers, remaining in bloom a long time; very pretty for beds, rock work or hanging baskets; half-hardy annual.
40. **A. Umbellata.** Rosy lilac; the most showy sort; ½ ft. Pkt., 5c.

ABUTILON.

(Chinese Bell-Flower.)

Green-house shrubs of strong growth and easy cultivation; free-flowering, with various-colored, beautiful drooping bell-shaped flowers. Sown any time before April, in a temperature of 60 degrees, they will produce fine flowering plants the first season.
45. **Fine Mixed.** Of choice varieties and colors: 2 to 6 ft. Pkt., 25c.

ACROCLINIUM.

Elegant summer flowering plants for beds, etc., also a good everlasting for winter bouquets; half-hardy annual.
50. **A. Choice Mixed.** 5c.

ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

A pretty climber, with pale green foliage, of very graceful habit; hardy biennial.
60. **A. Cirrhosa.** Small, flesh-white flowers; 15 ft. Pkt., 10c.

ADONIS.

Very showy and popular border flower, remaining in bloom a long time; hardy annual.
80. **A. Estivalis.** (Flos Adonis.) Fine scarlet; 1 ft. Oz., 20c.; pkt., 5c.

81. **A. Autumnalis.** (Pheasant's Eye.) Pkt., 5c.

AGERATUM.

This plant is a continual bloomer from early summer until the ensuing spring, and highly prized as a pot and bedding plant; half-hardy annual.
100. **A. Mexicanum Nanum.** Lilac-blue; 1¼ ft. Oz., 25c.; pkt., 5c.

101. **A. Lasseauxii.** Beautiful rose color. A perennial, if given green-house protection in the winter; 15 inches. Oz., 50c.; pkt., 5c.
102. **Ageratum.** Choice mixed. Oz., 25c.; pkt., 5c.

AGROSTEMMA.

Showy for beds and borders; they are also known as "Rose of Heaven," "Rose Campion," etc. Hardy annual.
110. **A. Fine Mixed.** Pkt., 5c.

ALONSOA. (Mask Flower.)

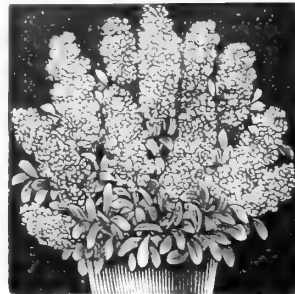
A beautiful cut-leaved plant from Chili; flowers very showy and attractive, produced on spikes. Half-hardy annual.
120. **A. Warscewiczii.** Rosy scarlet; 1½ ft. Pkt., 5c.

ALYSSUM.

A well-known favorite, with delicate flowers of a honey-like fragrance; much prized for bouquets, baskets, rockeries and bedding; a continual bloomer.

140. **A. Sweet.** Flowers white; 1 ft.; hardy annual. Oz., 25c.; pkt., 5c.

141. **Benthami Compactum.** A new and very compact growing sort, thickly studded with spikes of pure white flowers; ½ ft.; hardy annual. Oz., 75c.; pkt., 5c.



141. BENTHAMI COMPACTUM.

142. **Saxatile Compactum.** Golden yellow flowers; ¾ ft.; hardy perennial. Oz., 50c.; pkt., 5c.

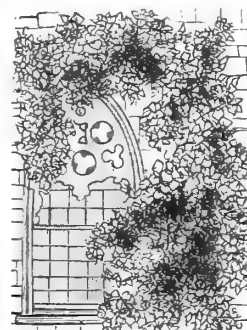
AMARANTHUS.

Plants are grown entirely for their richly colored foliage and long racemes of curious-looking flowers. Half-hardy annuals.

160. **A. Caudatus.** (Love-lies-bleeding.) Blood red, drooping; 3 ft. Oz., 25c.; pkt., 5c.

161. **Tri-color.** (Joseph's Coat.) Handsome red, yellow and green foliage; 3 ft. Oz., 25c.; pkt., 5c.

162. **Cruentus.** (Prince's Feather.) Erect flowering; bright scarlet. Oz., 75c.; pkt., 5c.



AMPELOPSIS VEITCHII.

163. **Salicifolius.** (Fountain Plant.) Of a pyramidal drooping habit; leaves willow-shaped, changing to magnificent hues; 4 ft. Oz., 40c.; pkt., 5c.

164. **Bi-color.** Rich brown and yellow. Oz., 50c.; pkt., 5c.

AMPELOPSIS. (Japanese or Boston Ivy.)

180. **A. Veitchii.** Clings firmly upon any surface, and can be confined to any limit by pruning. Leaves olive green, which turn to scarlet in the autumn; the best kind of a plant for covering unsightly objects; 50 ft. Hardy perennial. Oz., 35c.; pkt., 10c.

ANAGALLIS. (Pimpernel.)

Very desirable for small beds, edgings, rock work, baskets or borders; a constant and profuse bloomer. Half-hardy annual.

200. **A. Grandiflora, Mixed.** White, blue and deep vermilion red; ½ ft. Pkt., 5c.

ANTIRRHINUM. (*Snap-Dragon.*)

One of our very best perennials; blooms abundantly the first summer until after frost. Flowers are large, finely shaped, and of the most brilliant colors. Hardy perennial.

220. **A. Nanum, Mixed.** Finest dwarf Tom Thumb; very rich colors; 1 ft. Pkt., 5c.
221. **Majus, Mixed.** Tall varieties; fine assortment; 2 ft. Pkt., 5c.

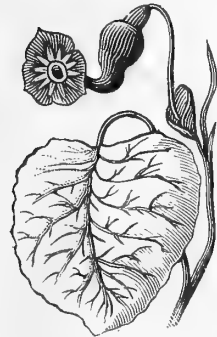
AQUILEGIA.—Double. (*Columbine.*)

The flowers of this plant are very curiously formed, strikingly beautiful, and produced in great variety and profusion, and bloom quite early in the spring. Hardy perennial.

240. **A. Single.** Mixed colors; all the best sorts; 2 ft. Pkt., 5c.
241. **Double.** Mixed colors; all the best sorts; 1½ ft. Pkt., 5c.

ARISTOLOCHIA.

(*Dutchman's Pipe.*)



ARISTOLOCHIA.

An attractive, quick growing, hardy perennial, with large heart-shaped leaves and flowers of singular formation, resembling a pipe; 30 ft.

260. **A. Sipro.** Flowers brownish purple. Pkt., 10c.

ARGEMONE. (*Prickly Poppy.*)

Grows well in any garden soil; plants bear large flowers resembling a single poppy; the foliage is large, of a bright green color, sparsely covered with slender prickles. Hardy annual.

280. **A. Grandiflora.** White; very handsome; 2 ft. Pkt., 5c.

281. **Argemone.** Fine mixed. Pkt., 5c.

ARMERIA. (*Sea Pink.*)

290. **A. Maritima.** A very handsome, compact growing plant, well adapted to rock work, edgings, etc.; flowers rosy pink. Hardy perennial; ½ ft. Pkt., 10c.

ASPERULA.

A profuse blooming plant, bearing many clusters of small sweet-scented flowers; very pretty for bouquets. Hardy annual.

300. **A. Orientalis.** Sky blue; ¾ ft. Pkt., 5c.
301. **A. Setosa.** Sky blue. Pkt., 5c.

ASTER.

This is one of the most popular and effective of our garden flowers, producing a profusion of bloom, in which richness and variety of color are combined with the most perfect and beautiful form. Plant in rich soil. In hot, dry weather they should be mulched with well-rotted manure, and freely watered. Hardy annuals.

320. **A. Pæony Perfection, Mixed.** Very large, perfect, double flowers, beautifully incurved; bright colors; 1½ ft. Pkt., 10c.

321. **New Rose-Flowered, Mixed.** Rare and beautiful, pyramidal, strong habit; variously colored, large, brilliant, double flowers; 2 ft. Oz., \$3.00; pkt., 10c.

322. **Queen Victoria, Large-Flowered.** Flowers very large, perfectly double; the richest colored and most showy of all the English asters. Very free bloomer; mixed colors; 1½ ft. Oz., \$2.50; pkt., 10c.

323. **German Chrysanthemum-Flowered.** The flowers are very double, of enormous size and perfect shape; the colors are brilliant, and varied with charming combinations of shades which are very effective; 1 ft. Oz., \$2.50; pkt., 10c.

324. **German Quilled, Mixed.** Perfectly double; beautiful mixed colors; 2 ft. Oz., \$1.00; pkt., 5c.

325. **Victoria Snow White.** Pure white, extra double flowers, 5 inches in diameter; 2 ft. Pkt., 10c.

326. **Choice German, Mixed.** Oz., \$2.00; pkt., 10c.
327. **Deep Scarlet Triumph.** See Novelties. Pkt., 20c.
328. **Regal.** See Novelties. Pkt., 20c.
329. **Little Sunbeam.** See Novelties. Pkt., 20c.

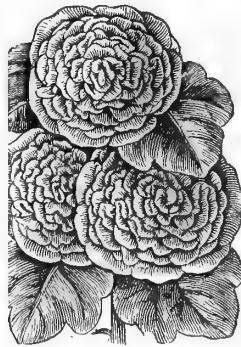
BALLOON VINE. (*Love in a Puff.*)

340. **Cardiospermum Halicacabum.** A climbing plant, useful for either inside or out-door decoration; succeeds best in a light, warm situation. Flowers white, 6 ft. Half-hardy annual. Pkt., 5c.

BARTONIA.

Plants of a succulent nature, flowers expanding after the middle of the day, and very fragrant towards evening. The leaves are thistle-like in appearance, and somewhat downy. Should be watered freely during dry weather. Hardy annual.

360. **B. Aurea.** Flowers very bright yellow. 2 ft. Pkt., 5c.



BALSAM.—EXTRA DOUBLE.

BALSAM.

(*Lady Slipper, or Touch-me-not.*)

Our collection embraces all the most improved kinds, and there has certainly been great improvements made in varieties within the last few years. The largest and best double flowers are secured by first sowing in a seed bed and then transplanting them where they are to grow. Hardy annuals; 2 ft.

380. **B. Extra Double White.** This is the handsome double white balsam so much grown by florists. Very choice. Oz., \$2.00; pkt., 10c.

381. **The King.** Brilliant scarlet, very double. Oz., 75c; pkt., 10c.

382. **New Challenger Prize.** The flowers are of wonderfully large size and perfect shape, colors brilliant and varied, comprising pure white, lemon, salmon, rose, crimson, deep pink, purple, mottled and striped. Pkt., 20c.

383. **Camellia-Flowered.** Very double and beautiful colors; perfect form. Oz., 80c; pkt., 10c.

384. **Double.** Extra choice, mixed. Oz., 40c; pkt., 5c.

385. **Double Solferino.** Very beautiful, white ground, striped and streaked with lilac and scarlet. Oz., 60c; pkt., 10c.

386. **Royal Camellia Prize.** See Novelties. Pkt., 25c.

BEANS. (*Phaseolus Multiflorus.*)

Desirable rapid climbers, producing a profusion of bright bloom the entire season. 12 ft. Hardy annual.

400. **B. Scarlet.** Brilliant scarlet. Oz., 10c; pkt., 5c.
401. **White.** Pure white. Oz., 10c; pkt., 5c.

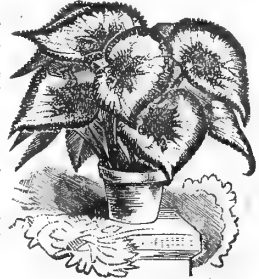
BEGONIA.

Quite popular for planting out in the spring, and should be set out as soon as the ground is warm. They are likewise highly prized for window gardening. Bloom the first season from seed.

420. **B. Tuberous-Rooted, Single, Mixed.** Comprising the most varied and brilliant shades. Pkt., 25c.

421. **Tuberous-Rooted, Double, Mixed.** This collection embraces the largest flowers, and most lovely shades, by hybridizing the best single and double varieties for that purpose. Pkt., 40c.

422. **Rex Hybrida, Mixed.** Beautiful varieties, with variegated foliage. Pkt., 25c.



BEGONIA REX.

BRACHYCOME.

460. **B. Iberidifolia.** (*Swan River Daisy.*) An erect growing plant, covered the entire season with pretty flowers about one inch in diameter; mixed colors of blue and white with a dark centre; 1 ft. Half-hardy annual. Pkt., 5c.

BROWALLIA.

The Browallia is valuable, alike for blooming during the winter in the house, as well as bedding out during the summer. Remarkably free and attractive bloomers. Half-hardy annual.

470. **B. Elata Cœrulea Grandiflora.** Pale blue; ½ ft. Oz., 50c; pkt., 5c.

471. **B. Elata Alba.** Pure white; 1½ ft. Oz., 50c; pkt., 5c.

BRACHYCOME IBERIDIFOLIA.

white; 1½ ft. Oz., 50c; pkt., 5c.

472. **Roezli, Mixed.** An exceedingly pretty species, flowers double the size of the preceding varieties, and forms a dense, compact bush; flowers azure blue and white with a yellow centre; 2 ft. Hardy annual. Pkt., 10c.

CACALIA. (*Tassel Flower.*)

Small, pretty plants with tassel-like flowers, keeping in bloom from early summer until autumn; 1½ ft. Hardy annual.

480. **C. Mixed.** Golden yellow and scarlet. Oz., 20c; pkt., 5c.

481. **C. Coccinea.** Scarlet. Pkt., 5c.



A BLANC-PHILIA

CALAMPELIS. (*Ecremocarpis*.)

490. *C. Scabra*. A quick-growing evergreen climber, bearing profusely clusters of orange-colored tube-like flowers. Half-hardy perennial; 10 ft. Oz., \$1.00; pkt., 10c.

CALANDRINIA.

Pretty plants, with succulent stems and fleshy leaves; splendid for edgings and rockeries.

500. *C. Grandiflora*. Beautiful rose; 1½ ft. Hardy annual. Oz., 80c; pkt., 5c.

501. *Umbellata*. Dazzling magenta crimson; 1 ft. Half-hardy biennial. Oz., \$1.00; pkt., 5c.

CALCEOLARIA.

CALCEOLARIA..

Now recognized as one of the grandest plants in existence, producing masses of pocket-like flowers; a universal favorite for decorating the green-house and conservatory early in the spring.

520. *C. Hybrida Grandiflora*, Tall Mixed. The finest large flowering and most floriferous sorts, of the richest colors; 20 in. Pkt., 25c.

521. *C. Hybrida Grandiflora Pumila Compacta*, Mixed. A new strain of dwarf, compact and strong growing sorts, producing large and brilliant self-colored and spotted flowers; 1 ft. Pkt., 40c.

522. *C. Rugosa*. Small flowering varieties for bedding, of the finest colors; 2 ft. Pkt., 10c.

CALENDULA.

Very free and attractive bloomers, growing well in almost all situations. Hardy annuals.

540. *C. Officinalis Meteor*. A splendid large flowering variety, double striped, of a deep orange on a pale yellow ground; 1 ft. Oz., 25c; pkt., 5c.

541. *Prince of Orange*. A novelty surpassing in beauty *C. Meteor*, the florets being striped with a more intense shade of orange; 1 ft. Oz., 80c; pkt., 10c.

542. *Ranunculoides Fl. Pl.* (Cape, or Garden Marigolds.) Deep orange color; 1 ft. Oz., 25c; pkt., 5c.

543. *Calendula*. Fine mixed. Pkt., 5c.

COREOPSIS, or CALLIOPSIS.

COREOPSIS, OR CALLIOPSIS.

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. *Atrosanguinea*. Dark crimson; 2 ft. Pkt., 5c.

562. *Mixed*. Embracing the most showy colors. Oz., 50c; pkt., 5c.

CALLIRHOE.

580. *C. Involucrata*. Flowers beautiful crimson, begin to bloom when quite small and continue in bloom the entire summer and autumn; ½ ft. Hardy perennial. Pkt., 5c.

CAMPANULA. (*Bell Flower*.)

Very attractive plants with pretty bell-shaped flowers; of very easy cultivation.

600. *C. Speculum*. (*Venus' Looking Glass*.) Pretty blue; ½ ft. Hardy annual. Pkt., 5c.

601. *Media, Single Mixed*. (*Canterbury Bells*.) Beautiful large, bell-shaped flowers; handsome for border or pot culture; 2½ ft. Hardy biennials. Pkt., 5c.

602. *Media, Double Mixed*. All the finest double varieties; 2½ ft. Hardy biennials. Pkt., 5c.

603. *Carpatica*, Mixed. Free flowering, blue and white; bloom the whole season; ¾ ft. Hardy perennial. Pkt., 5c.

604. *C. Cup and Saucer*. See Novelties. Pkt., 15c.

CANDYTUFT. (*Iberis*.)

Favorite plants of the easiest culture, useful for growing in beds or masses; bloom long and freely. Hardy annuals.

620. *I. Fragrant*. (*Pectinata*.) Pure white, pinnated foliage; 1 ft. Oz., 20c; pkt., 5c.

621. *Crimson*. Very beautiful; 1 ft. Oz., 25c; Pkt., 5c.

622. *White Rocket*. (*Amara Grandiflora*.) Large trusses of pure white flowers; 1 ft. Oz., 25c; pkt., 5c.

623. *White Tom Thumb*. (*Hybrida Nana*.) A new dwarf variety, growing about six inches high, branching into a handsome bush about sixteen inches in diameter. Pkt., 10c.

624. *Fine Mixed*. Comprising all the choicest tall-growing varieties; 1 ft. Oz., 20c; pkt., 5c.

CANNA. (*Indian Shot Plant*.)

The tropical luxuriance of this plant renders it particularly suitable for forming groups on lawns, or as a background for dwarfier growing plants. The flowers of these plants have been greatly improved. Half-hardy perennials.

640. *C. Marechal Vaillant*. Foliage rich maroon; large, bright orange flowers; 5 ft. Pkt., 5c.

641. *Tricolor*. Foliage green, red and creamy yellow; bright scarlet flowers; 3 ft. Oz., 75c; pkt., 5c.

642. *Finest Mixed*. Embracing twenty of the best sorts. Oz., 40c; pkt., 5c.

643. *C. Gigantea*. 8 ft. Pkt., 5c.

645. *Dwarf Large Flowering*. Pkt., 15c.

CARNATION, or PICOTEE PINK.(*Dianthus Caryophyllus Flore Pleno*.)

Many splendid novelties in double and semi-double flowers may be expected from our seed, as it is saved from a prize collection. Half-hardy annuals.

660. *C. Grenadin*. Blooms much earlier than any other Carnation; more floriferous, larger and finer double flowers, which are of a brilliant scarlet color; 1 ft. Pkt., 25c.

661. *Finest German Double Mixed*. Saved from extra, choice named, double flowers; 1½ ft. Pkt., 40c.

662. *Fine Double Mixed*. Comprising the hardiest and best varieties for garden culture; 1½ ft. Pkt., 20c.

CEDRONELLA.

670. *C. Cana*. An interesting evergreen plant from New Mexico, with fragrant foliage and long spikes of crimson flowers; 2 ft. Hardy perennial. Pkt., 10c.

CELOSIA. (*Cockscomb*.)

Interesting and brilliant plants of tropical origin, which never fail to please the grower and attract attention; one of the most satisfactory plants for garden decoration. Half-hardy annuals.

675. *C. Cristata, Dwarf, Crimson*. Large, velvet-like combs; 1 ft. Oz., 40c; pkt., 5c.

676. *Cristata, Variegata*. Brilliant combs of crimson and gold; 3 ft. Pkt., 10c.

677. *Japonica*. A distinct handsome variety, combs of the most brilliant scarlet, and ruffled like lace; 2½ ft. Oz., 60c; pkt., 10c.

678. *Glasgow Prize*. Very fine, dwarf variety, brilliant crimson comb, and handsome dark variegated foliage; 1 ft. Oz., 75c; Pkt., 10c.

679. *Cristata*. Finest mixed. Oz., 40c; pkt., 5c.

CENTAUREA. (*Dusty Miller*.)

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

685. *C. Candidissima*. Attractive, silvery, cut leaves. Half-hardy perennials; 1 ft. Oz., \$2.00; 1000 seeds, 75c; pkt., 10c.

686. *Gymnocarpa*. Graceful, finely cut, silvery gray leaves. Half-hardy perennials; 1½ ft. Oz., \$5.00; 1000 seeds, \$1.00; pkt., 10c.

687. *Cyanus Minor, Mixed*. (*Blue Bottle or Corn Flower*.) Beautiful flowers, in bloom all summer; pretty shades of white, blue and deep rose. Hardy annual; 1½ ft. Oz., 20c; pkt., 5c.

CENTRANTHUS.

Will grow freely in any garden soil; flowers produced in clusters, and bloom freely; Hardy annuals.

690. *C. Mixed*. Red and white; 1½ ft. Oz., 25c; pkt., 5c.

CHRYSANTHEMUM.

The beautiful and varied colors of these charming plants are so natural that they have the appearance of being laid on with a brush, hence they are often called Painted Daisies.

700. *C. Gladstone*. A new and beautiful English variety, flowers rich crimson, great size and perfect form; profuse bloomer. Hardy annual; 1 ft. Oz., \$1.00; pkt., 15c.

701. *The Sultan*. Flowers are a rich velvet crimson maroon, with gold colored rim about one-quarter inch deep next to the centre; 1½ ft. Hardy annual. Oz., \$1.00; pkt., 10c.

702. *Burrigeanium*. Crimson with white edge and inner white circle; very pretty; 1 ft. Hardy annual. Oz., 40c; pkt., 5c.

703. *Carinatum (Tricolor) "Eclipse"*. Resembles *C. Burrigeanium*, but surpasses it greatly by its striking colors, of great beauty, which are a pure golden yellow with a purplish scarlet ring on the ray florets, the disc being a dark brown; 1 ft. Hardy annuals. Oz., 60c; pkt., 10c.

704. *Selected, Mixed*. Comprises a full assortment of the prettiest single and double sorts. Hardy annuals. Oz., 40c; pkt., 5c.

705. *New Double Japanese and Chinese Mixed*. These superb flowers present many odd and beautiful types, frequently measuring six inches in diameter, with broad petals deeply incurved, varying in color from pure white to pale pink, crimson, maroon and rich orange brown. Pkt., 40c.

CHRYSANTHEMUMS—Continued.

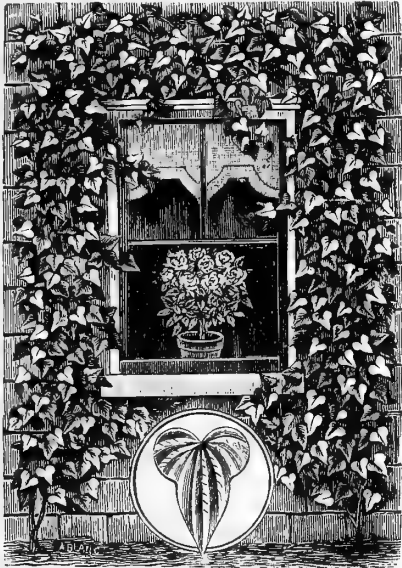
706. **LORD BEACONSFIELD.** An exceedingly handsome and wonderfully brilliant variety. The flower is very large and perfect in form; color a rich crimson maroon, edged and striped with gold, and having a golden rim surrounding the eye. Pkt., 15c.
 707. **C. Coronarium.** Double white and yellow; fine. Pkt., 10c.

CINERARIA. (*Cape Asters.*)

- Very attractive, free-flowering green-house plants, blooming during the winter and spring months. Though perennials, they do better when treated as tender annuals.
 720. **C. Hybrida, Grandiflora, Prize, Tall, Mixed.** Extra selected seed, unsurpassable in quality, and beautiful brilliant colors; 2 ft. Pkt., 40c.; extra large pkt., \$1.50.
 721. **Hybrida, Grandiflora, Prize Dwarf, Mixed.** Produce the same large and brilliant flowers as the above variety, but only grow about 1 ft. high. Pkt., 40c.; extra large pkt., \$1.50.
 722. **Hybrida Double, Mixed.** Possess all the varied hues of the hybrid tall and dwarf varieties; 2 ft. Pkt., 40c.; extra large pkt., \$1.50.

CINERARIA. (*Dusty Miller.*)

- Cultivated only for their beautiful downy silver leaves, which are among the finest for ribbon beds and masses. Half-hardy perennials; 2 ft.
 740. **C. Maritima Candidissima.** Large silvery, deeply cut foliage. Pkt. 10c.
 741. **Acanthifolia.** Beautifully cut silvery foliage; hardier than the above; 1 ft. Pkt., 10c.



750. **THE CINNAMON VINE.** This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of the cinnamon, and is very appropriately called the "Cinnamon Vine." Perfectly hardy, the stem dying down every autumn, but growing again so rapidly in the spring as to completely cover any trellis or arbor very early in the season. It is as easy cultivated as the Madeira Vine, has no insect enemies, and is not affected by drought. It is propagated from small bulbets, which will make from ten to twenty feet of vine, and with its beautiful heart-shaped leaves, bright green peculiar foliage, and clusters of delicate white flowers, sending forth a delicious cinnamon odor, render it by far one of the most desirable climbers in cultivation. Bulbs, 6 for 30c., or 50c. per dozen. Post-paid. Roots 10c. each; \$1.00 per dozen.

CLARKIA.

- An old favorite plant, growing well in any garden soil. Seed can be sown either in September or early spring. Hardy annual.
 760. **C. Single and Double, Mixed.** Beautiful snow white, rosy crimson, and deep rose; 1½ ft. Oz., 25c.; pkt., 5c.
 761. **C. Elegans, Purple King.** Pkt., 5c.

CLEMATIS.

- Well-known and greatly admired climbers, being remarkable for the beauty and fragrance of their blossoms.
 780. **C. Jackman's Large-Flowering Hybrids.** The flowers will average three inches in diameter, ranging through all conceivable shades of purple, violet, porcelain, blue and white. Hardy perennials; 10 ft. Pkt., 20c.

781. **Coccinea.** Of slender habit, tubular flower, deep vermilion on outside and yellow within. Hardy perennial; 10ft. Pkt., 20c.

782. **Virginiana.** Greenish white, fragrant flowers; dies down to the ground in winter, but starts up in spring. Hardy perennial; 20 ft. Pkt., 10c.

783. **Flammula.** A luxuriant climber, with large clusters of small, white, sweet-scented flowers; 15 ft. Oz., 40c., pkt., 10c.

CLEOME. (*Spider Flower.*)

790. **C. Speciosissima.** The stamens of this strange-looking, rose-colored flower resemble the legs of a spider. Half-hardy annual; 3 ft. Pkt., 5c.

CLIANTHUS. (*Australian Glory Pea.*)

800. **C. Dampieri.** A beautiful plant, with brilliant, rich scarlet, pea-shaped flowers, with an intense black spot in each centre. Green-house perennial; 4 ft. Pkt., 20c.

CLINTONIA.

820. **C. Elegans.** A pretty blue flower, similar in shape to the Lobelia. Splendid for hanging baskets, or rock work, or damp, shady situations. Hardy annual; 1 ft. Pkt., 10c.

COBEA.

840. **C. Scandens.** A beautiful, rapid-growing climber, with handsome foliage and large bell-shaped flowers, green at first, changing to a beautiful, deep violet blue; 20 to 30 feet. Half-hardy perennial. Oz., \$1.25; pkt., 10c.

COLEUS.

860. **C. American Hybrids.** Mixed. Seed saved from the very finest new hybrid sorts, remarkable for their brilliant and varied foliage. Pkt., 25c.; extra large pkt., 75c.

COLLINSIA.

A pretty, free-blooming plant, with various colored flowers, white, pink, violet, purple, blue and gray-blue. Hardy annual.

880. **C. Mixed.** 1 ft. Pkt., 5c.

COMMELINA.

900. **C. Cœlestis.** An erect plant, producing pretty sky-blue flowers in great profusion. Roots should be preserved like Dahlias; its beauty will increase from year to year; 1½ ft. Half-hardy herbaceous perennial. Pkt., 10c.

CONVOLVULUS. (*Morning Glory.*)

The most popular annual in cultivation. The dwarf varieties are very pretty for bedding, hanging baskets and vases. Hardy annual.

920. **C. Tricolor Roseus.** Beautiful rose color, with pure white centre, fringed with purple, shading towards the throat with five broad bands of golden yellow; 1 ft. Pkt., 5c.

921. **Major, Mixed.** Finest colors; 15 ft. Oz., 20c.; pkt., 5c.

922. **Mauritanicus.** A beautiful trailing plant, with rich blue flowers; 1 ft. Pkt., 10c.

923. **New Crimson Violet.** 1 ft. Oz., 25c.; pkt., 5c.

924. **Minor, Mixed.** All colors; 1 ft. Oz., 20c.; pkt., 5c.

COSMOS.

930. **C. Hybridus.** See Novelties. Pkt., 15c.

CUPHEA. (*Cigar Plant.*)

When planted outside will bloom all summer; on the approach of frost they may be removed to the conservatory, where they will continue to bloom the entire winter. Half-hardy perennial.

940. **C. Hookeriana Grandiflora Superba.** Beautiful vermilion and orange color; 3 ft. Oz., 80c.; pkt., 10c.

941. **C. Miniata.** Curious flowers of a bright vermilion, with a centre of reddish violet; 1½ ft. Oz., 80c.; pkt., 10c.

942. **C. Platycentra.** Scarlet. Very pretty species. Pkt., 10c.

CYCLAMEN.

960. **C. Persicum Giganteum, Mixed.** Pure white and delicate rose, changing to bright crimson color at the base, measuring from 2 to 2½ inches in length; 8 in. Half-hardy perennial. Pkt., 50c.; extra large pkt., \$1.00.

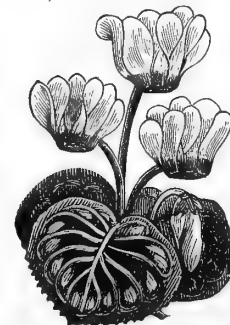
CYPRESS VINE.

(*Ipomœa Quamoclit.*)

An elegant climbing plant, with beautiful fern-like foliage, and masses of beautiful star-shaped flowers; 15 ft. Half-hardy annuals.
 980. **C. Crimson.** Oz., 40c.; pkt., 10c.
 981. **White.** Oz., 40c.; pkt., 5c.

CYCLAMEN.

982. **Mixed.** Oz., 40c.; pkt., 5c.
 983. **Scarlet Ivy-leaved.** Deeply lobed ivy-like leaves; fiery scarlet. Oz., 60c.; pkt., 5c.





NEW SINGLE DAHLIAS.

DAHLIA.

Will bloom the first year from seed, if sown not later than March; 2 to 8 ft. Half-hardy perennial.

1000. **D. Large Flowering, Double.** Comprising every known shade of color. Oz., \$2.25; pkt., 15c.

1001. **Single, Mixed.** Saved from the very choicest single varieties. Oz., \$2.00; pkt., 15c.

DAISY.

(Bellis Perennis.)

Bloom from April to June, well adapted to pot culture, and beds or edgings in shady situations; 4 in. Half-hardy perennials.

1020. **D. Double, Mixed.** Extra quality. Pkt., 20c.

1022. **Longfellow.** Very large, double, dark rose flowers, borne on long stems. Pkt., 25c.

DATURA.

(Trumpet Flower.)

Produce an excellent effect when planted in borders or shrubbery; 3 ft. Half-hardy perennial.

1040. **D. Fastuosa Huberiana, Mixed.** Large, double flowers of various colors. Pkt., 5c.

1041. **Wrightii. (Meteloids.)** Handsome, white, single flowers of exquisite fragrance. Pkt., 5c.

DIGITALIS. (Foxglove.)

A highly ornamental plant of stately growth; excellent for shrubberies and half shady places.

1120. **D. Mixed.** Long spikes of beautiful thimble-shaped flowers; 3 ft. Hardy perennial. Pkt., 5c.

DOLICHOS. (Hyacinth Bean.)

1140. **D. Giganteus.** A beautiful climbing plant of free growth, producing clusters of beautiful purple flowers; 20 ft. Tender annual. Oz., 25c.; pkt., 5c.

1141. **D. Purpurea.** Pkt., 5c.

DIANTHUS. (Pinks.)

These embrace some of the most popular flowers in cultivation, as well as the most satisfactory that can be raised from seed.

1080. **D. Chinensis Fl. Pl. (China or Indian Pink.)** Extra large, double, fragrant flowers, mixed; 1 ft. Hardy annual. Oz., \$1.00; pkt., 5c.

1081. **Heddewigii Diadematis Fl. Pl. (Double Diadem Japan Pink.)** Densely double flowers, 3 ins. in diameter; beautiful tints of crimson, lilac, purple, outer edges fringed white; 6 in. Hardy annual. Pkt., 10c.

1082. **Scoticus Fl. Pl. (Double Scotch, or Paisley Pinks.)** Seed saved from an extra fine collection of named varieties;

flowers with fringed edges; mixed colors; 1 ft. Hardy perennial. Pkt., 20c.; extra large pkt., \$1.50.

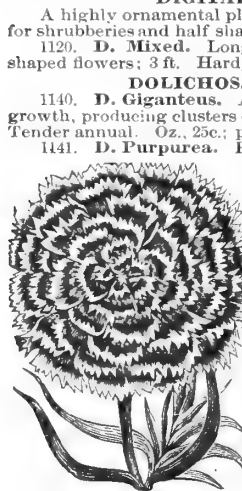
1083. **Plumarius Fl. Pl. (Finest Double Garden Pink.)** Very fragrant, beautiful mixed colors; 2 ft. Hardy perennial. Oz., 50c.; pkt., 5c.

1084. **D. Imperialis.** Double imperial pink, fine. Pkt., 5c.



9.5L/ANG

DOUBLE DAISY LONGFELLOW



DIANTHUS HEDDEWIGII.

DELPHINUM. (Larkspur.)

Very handsome plants, producing a fine effect no matter where grown; producing a profusion of bloom the entire summer. Will bloom the first year from seed.

1060. **D. Formosum.** Brilliant, rich, blue flowers, with a white centre; 2½ ft. Hardy perennial. Pkt., 10c.

1061. **Nudicaule.** Bright scarlet flowers, with clear, yellow petals; 18 in. Hardy perennials. Pkt., 10c.

1062. **Exaltatum.** Very pretty blue and white flowers; 5 ft. Hardy annual. Pkt., 10c.

1063. **Imperial Flore Pleno. (Emperor Larkspur.)** With beautiful, long spikes of brilliant, dark blue, tricolor and red striped, double flowers; 1½ ft. Hardy annual. Pkt., 10c.

1064. **Finest Mixed Hybrids.** A fine collection of twenty sorts; 2 ft. Hardy annuals. Oz., 40c.; pkt., 5c.

1065. **Dwarf German Rocket.** Hyacinth-flowered larkspur, mixed. Pkt., 5c.

1066. **D. Elatum.** Bee Larkspur. Pkt., 5c.

1067. **D. Chinensis.** Blue Larkspur. Pkt., 5c.

DICTAMNUS. (Fraxinella.)

A fragrant free-flowering herbaceous plant, suitable for mixed borders, thriving in any common soil. When bruised the plant emits a lemon-like fragrance; 2 ft. Hardy perennial.

1100. **D. Mixed.** Long racemes of white and red flowers. Pkt., 10c.

ERYSIMUM. (Hedge Mustard.)

1160. **E. Perofskianum.** Large clusters of beautiful deep red, very showy orange flowers, resembling a single Wall Flower; 1½ ft. Hardy annual. Pkt., 5c.

ESCHSCHOLTZIA.

(California Poppy.)

Very pretty, profuse blooming plants of extremely rich and beautiful colors; blooming from June until frost.

1180. **E. Californica.** Very large, bright yellow flowers, with rich orange centre; 1½ ft. Hardy annual. Oz., 20c.; pkt., 5c.

1181. **Crocea Fl. Pl.** Beautiful double bright orange scarlet, shading to salmon red; 1 ft. Hardy biennial. Pkt., 10c.

1182. **Fine Mixed.** Comprises fully a dozen of the finest colors. Oz., 25c.; pkt., 5c.

EUPATORIUM.

1200. **E. Fraseri.** Snow-white flowers, blooming the first season from seed; 1½ ft. Hardy herbaceous perennial. Pkt., 10c.

EVERLASTINGS.

These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade, with their heads downwards.

1240. **Acroclium Roseum Fl. Pl.** Bright rose, double, larger than the old sorts; 15 in. Half-hardy annual. Pkt., 5c.

1241. **Ammobium Alatum Grandiflorum.** A leading everlasting; flowers very large and pure white color. Hardy annual. Pkt., 5c.

1242. **Gomphrena, Mixed. (Bachelor's Buttons.)** Remarkably handsome flowers, comprising pure white, crimson, orange and variegated colors; 2 ft. Half-hardy annual. Oz., 40c.; pkt., 5c.

1243. **Helipterum Humboldtianum. (Sanfordi.)** Large clusters of bright golden yellow flowers, retaining their brilliancy for years; 1½ ft. Hardy annual. Pkt., 5c.

1244. **Helichrysum, Finest Mixed.** Large beautiful, very double, white, yellow, scarlet; 1½ ft. Hardy annual. Oz., 40c.; pkt., 5c.

1245. **Rhodanthe, Finest Mixed.** Very rich colors of rose, crimson, purple, carmine and white; 1 ft. Half-hardy annual. Pkt., 10c.

1246. **Xeranthemum.** Leaves silvery, brilliant colors of purple, rose and white flowers, produced on long stems; 2 ft. Hardy annuals. Pkt., 10c.



ESCHSCHOLTZIA CROCEA.



RHODANTHE.

EUPHORBIA.

(*Snow on the Mountain.*)

1220. **E. Variegata.** A pretty foliage plant, with white and green variegated bracts; 2 ft. Hardy annual. Pkt., 5c.

EUTOCA.

1230. **E. Viscida.** Pretty dark blue flowers, will keep fresh for several days if placed in water; 2 ft. Hardy annual. Oz., 25c; pkt., 5c.

FENZLIA.

1260. **F. Dianthiflora.** A very showy, profuse flowering little plant. Flowers, rosy lilac with orange centre; 3 in. Hardy annuals. Pkt., 10c.

FERNS.

1280. **F. Choice Mixture for Green-house Cultivation.** Comprising most of the desirable and handsome sorts for this purpose. Pkt., 25c; extra large pkt., 50c.

1281. **Hardy Mixture.** Comprising twelve of the most desirable hardy sorts for outdoor culture. Pkt., 25c; extra large pkt., 50c.

GAILLARDIA.

Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals.

1300. **G. Picta Lorenziana.** Sulphur, golden, bright yellow, orange, claret and amaranth; 1½ ft. Oz., 50c; pkt., 10c.



HARDY FERNS.

1301. **Hybrida Grandiflora.** Large flowers, of rich crimson and yellow; 1½ ft. Oz., 40c; pkt., 5c.

1302. **Picta Nana.** (*Painted Lady.*) Showy crimson, bordered with yellow; 1 ft. Oz., 20c; pkt., 5c.

GERANIUM.

A popular and handsome plant, extensively used for bedding; 1 to 3 ft. Half-hardy perennial.

1320. **G. Zonale, Mixed.** Saved from the largest and finest varieties. Oz., \$1.50; pkt., 10c.

1321. **Apple Scented.** Very fragrant; pretty foliage. 100 seeds, 50c; 500 seeds, \$1.75; pkt., 25c.

GLOXINIA HYBRIDA CRASSIFOLIA.

A bulbous-rooted plant, producing a great profusion of bell-shaped flowers, of the most brilliant variety of color; 1 ft. Tender perennial.

1380. **G. Grandiflora, Mixed.** Comprising the finest hybrid, erect, horizontal and pendulous varieties. Pkt., 25c; extra large pkt., 50c.

GILIA.

1340. **G. Tricolor.** Flowers orange yellow, with a white margin separated by a circle of deep purple; 1 ft. Hardy annual. Pkt., 5c.

GLAUCIUM. (*Horned Poppy.*)

1360. **G. Corniculatum.** (*Phaniceum.*) A very showy plant, with long, graceful, silvery leaves, deeply cut and curled; 1 ft. Half-hardy biennial. Pkt., 5c.

GODETIA.

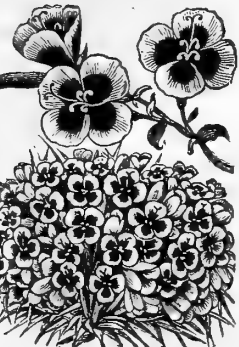
Profuse flowering plants, worthy of more extended cultivation, bloom well in almost any situation.

1400. **G. Lady Satin Rose.** Large, handsome flowers of carmine crimson, petals tinged with pale lilac; 1 ft. Hardy annual. Oz., 50c; pkt., 5c.

1401. **Bijou.** A new variety, with snow-white flowers and a bright carmine spot on each petal; ½ ft. Hardy annual. Oz., \$1.75; pkt., 10c.

1402. **Choice Mixed.** Oz., 40c; pkt., 5c.

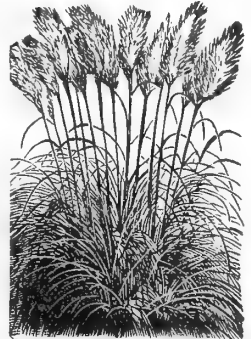
1403. **Lady Albemarle.** Flowers 3 inches across, crimson and carmine, delicately suffused with lilac. Oz., 75c; pkt., 5c.



GODETIA—LADY SATIN ROSE.



HORDEUM JUBATUM, SQUIRREL-TAIL GRASS.



GYNERIUM ARGENTEUM, PAMPAS GRASS.

GRASSES. (Ornamental.)

- 1440. **Agrostis Nebulosa.** Pkt., 5c.
- 1441. **Avena Sterilis.** (*Animated Oats.*) 2½ ft. Pkt., 5c.
- 1442. **Briza Maxima.** (*Rattlesnake Grass.*) 1 ft. Pkt., 5c.
- 1443. **Coix Lachrymæ.** (*Job's Tears.*) 2 ft. Pkt., 5c.
- 1444. **Erianthus Ravenneæ.** Very ornamental; 10 ft. Pkt., 5c.
- 1445. **Glycerium Argenteum.** (*Pampas Grass.*) 10 ft. Pkt., 10c.
- 1446. **Hordeum Jubatum.** (*Squirrel-Tail Grass.*) 3 ft. Pkt., 5c.
- 1447. **Zea Japonica Variegata.** (*Variegated Japanese Maize.*) Striped gold and white. Pkt., 5c.
- 1448. **Stipa Pennata.** (*Feather Grass.*) 2 ft. Pkt., 5c.
- 1449. **Eragrostis Elegans.** (*Love Grass.*) 1 ft. Pkt., 5c.
- 1450. **Eulalia Zebrina.** (*Zebra Grass.*) 7 ft. Pkt., 5c.

GYPSOPHILA.

Free-flowering and elegant plants for rock work, baskets and borders.

1480. **G. Elegans.** Pretty star-shaped, white and pink flowers; ½ ft. Hardy perennial. Pkt., 5c.

1481. **Paniculata.** Produces numerous panicles of small, white, handsome flowers; fine for bouquets; 2¼ ft. Hardy annual. Pkt., 5c.

HEDYSARUM. (French Honeysuckle.)

1500. **H. Coronarium, Mixed.** A very handsome, free-flowering plant, producing beautiful racemes of red and white pea-shaped flowers; particularly adapted for borders; 3 ft. Hardy perennial. Pkt., 5c.

HELIANTHUS.

(*Sunflower.*)

A well-known and attractive popular flower of stately growth, well adapted to screen unsightly objects.

1510. **H. Californicus Plenissimus.** Extra large, double, very showy, saffron-colored flowers; fine; 6 ft. Hardy annual. Oz., 25c; pkt., 5c.

1511. **Circum-erifolius.** Of a very pretty branching habit; flowers orange yellow with a black centre; blooming profusely until killed by frost; 3 ft. Hardy annual. Oz., 75c; pkt., 5c.



HELIANTHUS CIRCUMERIFOLIUS, MINIATURE SUNFLOWER.

Fistulosus. (*Dahlia Sunflower.*) Flowers very double and of medium size; 6 ft. Hardy annual. Oz., 50; pkt., 5c.

HELIOTROPE.

These are deliciously fragrant flowers remaining in bloom a long time; fine for pot culture or bedding; 1½ ft. Half-hardy annuals.

1520. **H. Fine Mixed.** A choice assortment of the choicest fragrant varieties. Oz., \$1.50; pkt., 10c.

HIBISCUS.

The two varieties mentioned below are fine branching plants, free blooming and of the easiest culture.

1540. **H. Africanus.** (*H. Trionium.*) Very pretty foliage and large cream-colored flowers, with brown centre; 2 ft. Hardy annual. Pkt., 5c.

1541. **Palustris.** Beautiful, large pink flowers; 3 ft. Hardy annual. Pkt., 5c.



A BED OF HOLLYHOCKS.

HOLLYHOCK.

(*Althea rosea.*)

This is one of the oldest inhabitants of our gardens, and now ranks as one of the finest autumn flowers, 6 ft. Hardy perennial.

1560. **H. Double White.** The finest strain of perfectly double, pure white flowers. Pkt., 15c.

1561. **Double Yellow.** Comprising the finest shades of orange, straw and buff. Pkt., 15c.

1562. **Double Pink and Red.** Pkt., 15c.

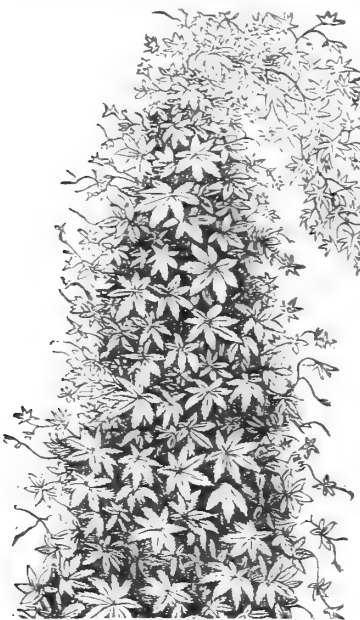
1563. **Extra Choice Double Mixed.** Chater's prize collection. Pkt., 10c.

HONESTY. (*Lunaria.*)

1580. **L. Biennis.** (*Satin Flower.*) Pretty single purple flowers; 2 ft. Hardy biennial. Pkt., 5c.

HUMEA.

1600. **H. Elegans.** When fully grown this is a very attractive, handsome plant, ruby red, grass-like flowers; 8 ft. Half-hardy biennial. Pkt., 10c



HUMULUS JAPONICUS.—Pkt., 15c.

HUMULUS.

1620. **Humulus Japonicus, or Japanese Hop.** A wonderful new annual climber from Japan, growing with great rapidity, and very dense foliage. Color is a lively green. It is undoubtedly one of the best climbers for covering verandas, trellises, etc.; 20 ft. Hardy annual. Pkt., 15c.

IMPATIENS.

1640. **I. Sultana.** Flowers brilliant, rose scarlet, 1 to 2½ inches in diameter. It is so profuse a bloomer that well-grown specimens appear like a perfect ball of flowers; 1½ ft. Tender perennial. Pkt., 25c.

IPOMOPSIS. (*Standing, or Tree Cypress.*)

Beautiful free-flowering plants, with fine foliage. Will bloom the first year from seed if sown early.

1680. **I. Elegans.** Dazzling scarlet flowers; 3 ft. Half-hardy biennial. Pkt., 5c.

1681. **Superba.** Dazzling orange flowers; 3 ft. Half-hardy biennial. Pkt., 5c.

IPOMEA.

Very pretty rapid growing plants, with handsome, bright colored, trumpet-shaped flowers, excellent for covering old walls, stumps, arbors, etc. Half-hardy annuals.

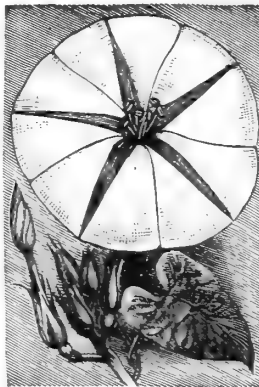
1660. **I. Bona Nox.** (*Evening Glory or Good-Night.*) Very large, white, fragrant flowers; 10 ft. Oz., \$1.00; pkt., 10c.

1661. **Cocctnea.** (*Star Ipomæa.*) Handsome little scarlet flowers; 10 ft. Oz., 40c; pkt., 5c.

1662. **Huberi, Mixed.** Comprising all the new Japanese hybrids; 10 ft. Oz., 75c; pkt., 10c.

1663. **I. Hederacea.** Mixed, very fine. Pkt., 5c.

1664. **I. Noctiflora.** Moon flower. Pkt., 10c.



MOON FLOWER—IPOMEA NOCTIFLORA.

KAULFUSSIA. (*Charteris Heterophylla.*)

1700. **K. Mixed.** The flowers resemble single asters. Violet. Hardy annual; 1 ft. Pkt., 5c.

LANTANA.

1720. **L. Hybrida, Mixed.** Desirable green-house or bedding plants, embracing every shade, white, pink, orange and purple. Half-hardy perennial; 2 ft. Oz., \$1.00; pkt., 10c.

LATHYRUS. (*Everlasting Pea.*)

1740. **L. Latifolius.** A handsome, free-flowering plant, useful for covering trellises, old stumps, fences, etc. Flowers a beautiful scarlet. Hardy perennial; 5 ft. Pkt., 5c.

LEPTOSIPHON.

1760. **L. Fine Mixed.** A very pretty plant, well adapted for marginal lines in ribbon beds; ½ ft. Hardy annual. Pkt., 5c.

LINARIA. (*Kenilworth Ivy.*)

1780. **L. Cymbalaria.** A very handsome, small, neat, trailing plant, admirably suited for baskets. Hardy perennial; 8 ft. Oz., \$5.00; pkt., 10c.

LINUM. (*Scarlet Flax.*)

1800. **L. Grandiflorum.** A showy bedding plant, with fine foliage, remaining in bloom a long time; 1 ft. Hardy annual. Oz., 30c; pkt., 5c.

LOASA.

1820. **L. Aurantiaca.** A rapid growing, free-flowering climber, with beautiful orange flowers; 4 ft. Hardy annual. Pkt., 10c.

LOBELIA.

Handsome little plants, admirably adapted for borders, vases, pots or hanging baskets. Half-hardy annuals.

1840. **L. Erinus Crystal Palace Compacta.** A compact deep blue variety; ½ ft. Pkt., 10c.

1841. **Erinus Speciosa Alba Maxima.** Showy white flowers of drooping and spreading habit; ½ ft. Pkt., 10c.

1842. **Cardinalis.** (*Cardinal Flower.*) Brilliant scarlet; 3 ft. Pkt., 10c.

1843. **Gracilis.** Slender, pale blue. Pkt., 10c.

1844. **Mixed.** Finest Erinus varieties. Pkt., 10c.

1845. **Mixed.** Good. Oz., 40c; pkt., 5c.



LOBELIA CARDINALIS.

LOPHOSPERMUM.

1860. **L. Scandens.** A highly ornamental climber for the garden or conservatory. Blossoms of a very rich purple and violet color; 10 ft. Half-hardy annual. Pkt., 10c.

LUPINUS. (*Sun Dials.*)

1880. **L. Mixed.** Highly ornamental, varied colored, free flowering, pea-shaped flowers; 2 ft. Hardy annuals. Pkt., 5c.

LYCHNIS.

1900. **L. Chalcedonica.** Brilliant scarlet flowers; blooms the first year. Hardy perennial; 2 ft. Pkt., 5c.

MALOPE.

1920. **M. Grandiflora.** A handsome plant, with fine, large, dark crimson flowers covering the entire plant the whole season. Half-hardy annual; 1 ft. Pkt., 5c.



MARIGOLD.—Pkt., 10c.

MARIGOLD. (Tagetes.)

A very showy and popular plant of easy culture. Half-hardy annuals.

1940. **M. Gold Striped.** The flowers of this beautiful variety are regularly striped with a golden yellow and exquisite chestnut brown.; ½ ft. Oz., \$1.00; pkt., 10c.

1941. **Eldorado.** Flowers 3 to 4 inches in diameter; perfectly and extremely double, and embracing every shade; 1½ ft. Pkt., 10c.

1942. **Dwarf French, Mixed.** Seed saved from the choicest double flowers; 1 ft. Oz., 25c; pkt., 5c.

1943. **Large African.** Very double flowers, orange, brown and yellow. Oz., 25c; pkt., 5c.

MARVEL OF PERU. (Mirabilis.)

This is the fine old garden plant known as Four o'Clocks. It succeeds well in any garden soil; a very showy and popular flower. Hardy annual.

1960. **M. Mixed.** Beautiful colors; 2 ft. Pkt., 5c.

1961. **New Dwarf White.** Snowy white flowers and fine yellow foliage; 10 in. Pkt., 5.

MAURANDIA.

A very graceful climber for the green-house, parlor, baskets, or out-door purposes, blooming the first season from seed. Half-hardy perennials.

1980. **M. Alba.** Pure white; 10 ft. Pkt., 10c.

1981. **Barclayana.** Very rich violet or purple; 10 ft. Pkt., 10c.

1982. **Mixed.** The finest colors. Pkt., 10c.

MESEMBRYANTHEMUM.

Dwarf-growing, profuse flowering plants of great beauty. Half-hardy annual.

2000. **M. Crystallinum. (Ice Plant.)** Flowers white, with ice-like foliage. Pkt., 5c.

2001. **Tricolor. (Wax Pink.)** Very pretty, rosy pink flowers; ½ ft. Pkt., 5c.



MIGNONETTE BIRD'S MAMMOTH.

MIGNONETTE.

A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annual.

2020. **M. Sweet Scented. (Reseda Odorata.)** 1 ft. Oz., 20c; pkt., 5c.

2021. **Grandiflora Ameliorata.** Petals of a reddish tint; 1¼ ft. Oz., 30c; pkt., 5c.

2022. **Golden Queen.** Flowers golden yellow; 1¼ ft. Pkt., 10c.

2023. **Parson's White.** Strongly scented, large, well-formed spikes; 1¼ ft. Oz., 50c; pkt., 10c.

2024. **Machet.** Produces long, broad spikes of deliciously scented red flowers; 1 ft. Pkt., 10c.

2025. **Bird's Mammoth.** Pkt., 15.

2026. **Hybrid Spiral.** Pure white; 1 ft. Oz., 50c; pkt., 10c.

2027. **Giant White Spiral.** Very fine. Pkt., 15c.

MIMOSA.

2040. **M. Pudica. (Sensitive Plant.)** A curious plant. The leaves will close if touched or shaken; 1 ft. Half-hardy annual. Pkt., 5c.

MIMULUS. (Monkey Flower.)

A class of very handsome plants, much admired for their curious-shaped and brilliant colored flowers. Half-hardy perennials.



MINA LOBATA.

2060. **M. Moschatus. (Musk Plant.)** Beautiful yellow flowers; ½ ft. Pkt., 10c.

2061. **Cardinalis.** Flowers of a brilliant scarlet hue; 1 ft. Pkt., 10c.

2062. **M. Punctatus. (Monkey Flower.)** Pkt., 10c.

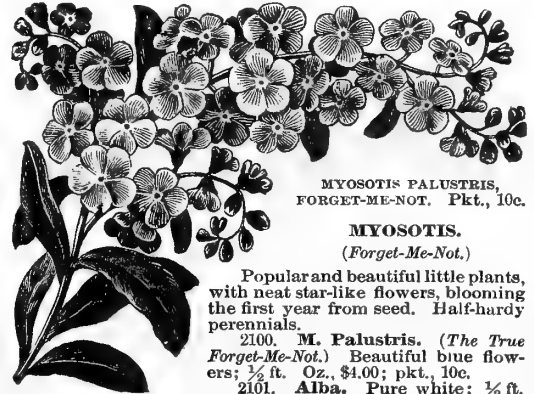
MINA.

2080. **M. Lobata.** The flowers are tube-like of a bright red color when first formed, changing to an orange yellow; 20 ft. Pkt., 25c.

MONMORDICA.

2090. **M. Balsamina. (Balsam Apple.)** The fruit when ripe is used for medicinal purposes. Half-hardy annual; 15

ft. Oz., 50c; pkt., 5c.
2091. **Charantia. (Balsam Pear.)** Same as the above, excepting that the fruit is longer in shape. Oz., 50c; pkt., 5c.



MYOSOTIS PALUSTRIS, FORGET-ME-NOT. Pkt., 10c.

MYOSOTIS.

(Forget-Me-Not.)

Popular and beautiful little plants, with neat star-like flowers, blooming the first year from seed. Half-hardy perennials.

2100. **M. Palustris. (The True Forget-Me-Not.)** Beautiful blue flowers; ½ ft. Oz., \$4.00; pkt., 10c.

2101. **Alba.** Pure white; ½ ft. Pkt., 10c.

2102. **Dissitiflora.** Large dark blue flowers, compact and very early; ½ ft. Pkt., 10c.

MYRSIPHYLLUM. (Smilax.)

2120. **M. Asparagoides.** Beautiful, delicate, wavy, glossy, deep green foliage, 10 ft. Tender perennial. Oz., \$2.00; pkt., 15c.

NASTURTIUM.

(Tropaeolum.)

These are regarded by many as being the most valuable of summer flowering plants, as they grow vigorously, and flower freely under intense heat and drought. Hardy annuals.

2140. **N. Tom Thumb. Scarlet;** 1 ft. Oz., 25c; pkt., 5c.

2141. **Tom Thumb. Yellow;** 1 ft. Oz., 25c; pkt., 5c.

2142. **Tom Thumb. Mixed;** 1 ft. Oz., 25c; pkt., 5c.



NASTURTIUM EMPRESS OF INDIA.

2143. **Empress of India.** The flowers are of the most brilliant crimson color; 1 ft. Oz., 50c; pkt., 10c.

2144. **Tall, Orange;** 10 ft. Oz., 20c; pkt., 5c.

2145. **Tall, Scarlet;** 10 ft. Oz., 20c; pkt., 5c.

2146. **Tall, Mixed;** 10 ft. Oz., 20c; pkt., 5c.

2147. Collection of 12 Dwarf Varieties. Each color separate. Very fine. 50c.

2148. Collection of 12 Tall Varieties. Each color separate. Very fine. 50c.

NEMOPHILA. (*Grove Love.*)

A charming dwarf-growing plant, well adapted for borders or pot culture.

2160. **N. Mixed.** Flowers bright blue, white margined and spotted; 1 ft. Pkt., 5c.

NIEREMBERGIA.

2180. **N. Frutescens.** A very pretty, shrubby plant, with white and blue flowers. Half-hardy annual; 1 ft. Oz., \$1.00; pkt., 10c.

2181. **N. Gracilis.** White and purple with yellow centre. Pkt., 10c.

NIGELLA.

Curious and interesting free-flowering plants of the easiest culture. Hardy annuals.

2200. **N. Damascena Nana.** (*Devil in a Bush.*) Double, blue and white; $\frac{3}{4}$ ft. Pkt., 5c.

2201. **N. Hispanica.** (*Love in a Mist.*) Deep blue, with blood-colored stamens; $1\frac{1}{2}$ ft. Pkt., 5c.

NOLANA.

The plant resembles the Portulaca, and the flower that of the Morning Glory; $\frac{3}{4}$ ft. Hardy annuals.

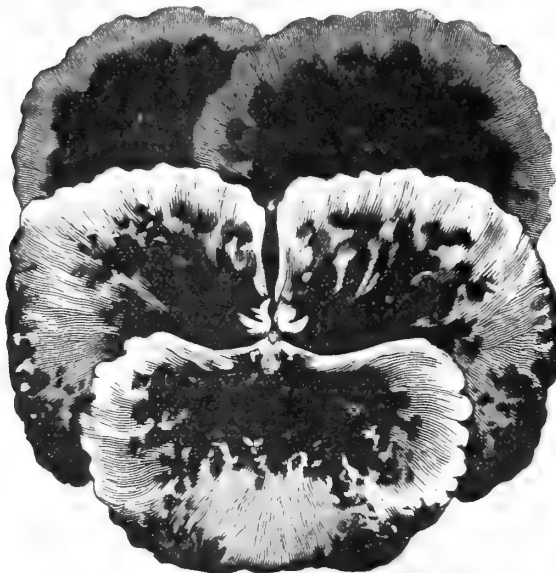
2220. **N. Finest Mixed.** Sky blue, white yellow and purple. Pkt., 5c.

OBELISCARIA.

2240. **O. Mixed.** A rare plant, with showy flowers of rich, velvety crimson, edged with yellow. Hardy annuals; $2\frac{1}{2}$ ft. Pkt., 5c.

GNOTHERA. (*Evening Primrose, or Sun Drops.*)

2260. **O. Biennis.** (*Grandiflora, or Lamarckiana.*) Showy, large, delicately fragrant, pale, yellow flowers; blooms the first season from seed; 3 ft. Hardy biennial. Pkt., 5c.



BUGNOT'S LARGE STAINED PANSY. Pkt., 50c.

PANSY. (*Viola Tricolor Maxima.*)

In offering the classes herewith, we have chosen such distinct, striking and peculiar types as are most rare and beautiful, and we can faithfully recommend them as being extraordinary, choice and fine; $\frac{1}{2}$ ft. Hardy perennials.

2280. **P. Imperial German Large Flowering.** Embracing fifty choice prize varieties in every known color and marking. Oz., \$8.00; 6 pkts., \$1.00; 3 pkts., 60c.; pkt., 25c.

2281. **Bugnot's Large Stained.** A new French variety, flowers of enormous size; the colors are extremely varied. Pkt., 50c.; 3 pkts., \$1.00.

2282. **Giant Trimardeau.** Flowers of great size, and in an endless variety of beautiful shades. $\frac{1}{4}$ oz., \$3.00; 3 pkts., 60c.; 6 pkts., \$1.00; pkt., 25c.

2283. **Premium.** Seeds saved from first-class named flowers only. A magnificent strain, embracing the most beautiful colors and finest shades. Oz., \$6.00; pkt., 25c.

2284. **Pure Yellow.** Oz., \$1.50; pkt., 15c.

2285. **Snow Queen.** Very large, satiny white, yellow centre. Oz., \$2.00; pkt., 15c.

2286. **Faust** (*King of the Blacks.*) Uniform, coal-black flowers. Pkt., 15c.

2287. **Extra Choice English Mixed.** Oz., \$4.00; pkt., 10c.

OXALIS.

Beautiful, free-flowering, small plants, and unusually attractive. Half-hardy perennials.

2271. **O. Rosea.** Flowers delicate rose; $\frac{3}{4}$ ft. Oz., \$3.00; pkt., 10c.

2272. **Tropaeoloides.** Flowers deep yellow, foliage dark green, very desirable for borders; $\frac{1}{2}$ ft. Oz., \$2.00; pkt., 10c.

2273. **Mixed Varieties.** Pkt., 10c.

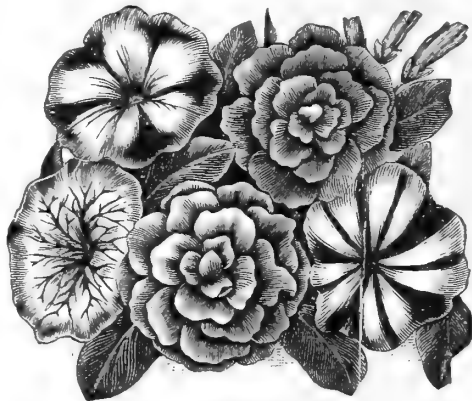
PENSTEMON.

One of the most effective free-flowering plants, for beds or borders. Long spikes of finely-shaped and richly colored flowers; grows well in any soil. Half-hardy perennial.

2300. **P. Extra Fine Mixed.** 2 ft. Oz., \$2.50; pkt., 10c.

PERILLA.

2320. **P. Nankinensis.** A very fine, dark ornamental-leaved foliage plant, similar to Coleus. Half-hardy annual. $1\frac{1}{2}$ ft. Pkt., 5c.



PETUNIA GRANDIFLORA.

PETUNIA.

We have obtained the very finest and highest improved strains of the rare and beautiful large flowering varieties. Half-hardy annuals.

2340. **P. Double Hybridized and Fringed.** This exquisite sort will produce an unusually large percentage of fine, large, double fringed flowers. Pkt., 25c.; large pkt., \$1.00.

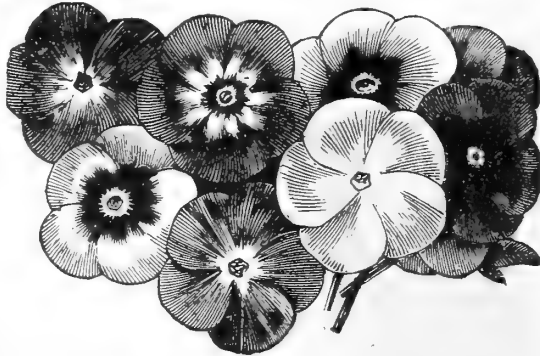
2341. **Hybrid, Extra Mottled.** An exceedingly choice strain of large mottled, spotted and striped; beautiful shades of the best colors. Large pkt., 75c.; pkt., 25c.

2342. **Hybrida Grandiflora.** Very large handsome flowers of the finest colors and markings. Pkt., 25c.; extra large pkt., 50c.

2343. **Hybrida Nana Compacta Multiflora.** Cherry-red flowers with a white star in centre; $\frac{1}{2}$ ft. Pkt., 25c.; extra large pkt., 75c.

2344. **Choice Hybrid, Mixed.** All good colors. Oz., \$2.50; pkt., 10c.

2345. **Very Choice Single, Mixed.** Oz., \$1.50; pkt., 5c.



PHLOX DRUMMONDII GRANDIFLORA. Pkt., 10c.; 3 pkts., 25c.

PHLOX DRUMMONDII

The Phlox is remarkable for the brilliancy and abundance of its bright, dazzling flowers. Hardy annuals; $1\frac{1}{2}$ ft.

2360. **P. Drummondii Grandiflora, Mixed.** This is a new and novel strain of the large flowering section. Oz., \$1.50; pkt., 10c.

2361. **Coccinea Grandiflora.** Brilliant rich scarlet. Pkt., 10c.

2362. **Splendens.** Vivid crimson, pure white. Pkt., 10c.

2363. **Alba Pura.** Pure white. Pkt., 10c.

2364. **Nana Compacta.** Very finest colors, extra quality; best for pots. Pkt., 20c.

2365. **Mixed.** All choice colors. Oz., 50c.; pkt., 5c.

2366. **Decussata, Perennial, Mixed.** Seed saved from finest named flowers; $2\frac{1}{2}$ ft. Pkt., 10c.

2367. **Star of Quedlinburg.** See Novelties. Pkt., 25c.



VICTORIA CROSS POPPY.

POPPY. (*Papaver*.)

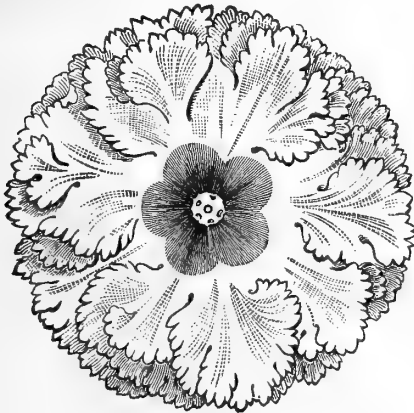
The many gay-colored flowers produce a brilliant effect in any garden; 2½ ft. Hardy perennials.

- 2380. *P. Umbrosum*. Brilliant, deep scarlet, marked with four large black spots. Pkt., 10c.
- 2381. *Victoria Cross*. The centre represents a maltese cross of silvery white. The large surface of the petals is of a rich vermilion crimson. Pkt., 20c.
- 2382. *Carnation Flowered, Mixed*. Splendid, large, double flowers. Oz., 30c.; pkt., 5c.

PORTULACA.

A popular, strong growing plant. Sandy soil; neither heat nor drought is too great for it. ½ ft. Hardy annual.

- 2400. *P. Finest Single, Mixed*. A large variety of the most brilliant colors. Oz., 50c.; pkt., 5c.
- 2401. *Double Rose Flowered, Mixed*. The most brilliant shades and choice flowers. Pkt., 20c.



PRIMULA SINENSIS FIMBRIATA. Pkt., 40c.

PRIMULA. (*Primrose*.)

We exercise great care in growing and saving the seed of these most satisfactory and beautiful of house plants; ¾ ft. Tender perennial.

- 2420. *P. Fimbriata Sinensis, Mixed*. Extra choice mixed. Very large, magnificent flowers of the richest and most varied colors. Pkt., 40c.; extra large pkt., \$1.00.
 - 2421. *Fimbriata Flore Pleno, Mixed*. An exceedingly choice strain of double varieties. Pkt., 40c.; extra large pkt., \$1.00.
 - 2422. *Fimbriata Sinensis, Fine Mixed*. Very good strain. Pkt., 2c.; extra large pkt., 50c.
- Evening Primrose. See *Gnothera*.

PRIMULA VERUS. (*English Cowslip*.)

2423. *P. Extra Choice, Mixed*. Free flowering, very attractive plants, useful for bedding. Hardy perennial; ½ ft. Pkt., 10c.

PYRETHRUM. (*Feverfew*.)

2440. *P. Parthenifolium Aureum*. (*Golden Feather*.) A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; ½ ft. Oz., \$1.00; pkt., 10c.

RICINUS. (*Castor-Oil Bean*.)

A tall, majestic, ornamental foliage plant; with leaves of a metallic hue. Half-hardy annuals.

- 2460. *R. Gibsoni*. Handsome, deep red foliage, compact branching habit; 5 ft. Oz., 40c.; pkt., 5c.
- 2461. *Sanguineus*. Leaves green, stalks blood red, showy red fruit; 8 ft. Oz., 30c.; pkt., 5c.
- 2462. *Philippiniensis*. A majestic variety, with beautiful gigantic foliage; 10 ft. Oz., 40c.; pkt., 5c.
- 2463. *Mixed*. Many choice sorts. Oz., 25c.; pkt., 5c.



CASTOR-OIL PLANT.

ROCKET. (*Hesperis Matronales*)

2480. *R. Sweet, Mixed*. Large clusters of single purple and white flowers that are deliciously fragrant during the evening. Hardy annual; 1½ ft. Pkt., 5c.

SALPIGLOSSIS. (*Velvet Flower*.)

2500. *S. Fine Mixed*. Sky blue and scarlet flowers, very beautifully pencilled. Hardy annual; 1½ ft. Pkt., 10c.

SALVIA.

A very ornamental free flowering plant, remaining in bloom until killed by frost.

- 2520. *S. Splendens*. (*Scarlet Sage*.) Large spikes of vivid scarlet flowers; 2 ft. Oz., \$4.00; pkt., 10c.
- 2521. *Patens*. Superb deep blue flowers; 2 ft. Pkt., 20c.

SANVITALIA.

2540. *S. Procumbens Flore Pleno*. Very pretty trailing plants; excellent for rock work or edgings. Flowers of a brilliant golden yellow. Hardy annual; ½ ft. Pkt., 10c.

SAPONARIA.

2560. *S. Calabrica*. Charming little plants, producing a profusion of rich, deep pink flowers. Hardy annual; ½ ft. Pkt., 5c.



DWARF GERMAN TEN WEEK STOCKS. Pkt., 10c.

STOCKS, TEN WEEK. (*Mathiola Annua*.)

All the varieties are highly prized for cut flowers, owing to their rich fragrance and bright colors. Half-hardy annuals; 1 ft.

- 2660. *S. Blood Red*. Oz., \$4.00; pkt., 10c.
- 2661. *Crimson*. Oz., \$4.00; pkt., 10c.
- 2662. *White*. Oz., \$4.00; pkt., 10c.
- 2663. *Blue*. Oz., \$4.00; pkt., 10c.
- 2664. *Dwarf Large-Flowering German Double, Blood Red*. Blue, crimson and blue. Each, oz., \$4.00; pkt., 10c.
- 2665. *Extra Choice Mixture*. Very double flowers. Oz., \$3.00; pkt., 10c.
- 2666. *Dwarf Wall Flower-Leaved German, Mixed*. Very fine, large double. Oz., \$4.00; pkt., 10c.

SCABIOSA.

A handsome border plant, bearing a profusion of beautiful fragrant flowers: very handsome for table bouquets. Hardy annuals.

2580. **S. Candidissima Alba Plena.** Pure white, double flowers; 2 ft. Oz., 40c.; pkt., 5c.
2581. **Dwarf, Mixed.** White, red and purple flowers; 1 ft. Oz., 25c.; pkt., 5c.

SCHIZANTHUS.

2600. **S. Papilionaceus.** (*Butterfly Flower.*) A showy variety, with curiously spotted dark violet, yellow and crimson flowers. Half-hardy annual: 1½ ft. Pkt., 5c.

2601. **Fine Mixed.** A large variety of choice sorts. Oz., 30c.; pkt., 5c.

SEDUM. (*Stone Crop.*)

2620. **S. Cœruleum.** Remarkably pretty succulent plants, growing readily upon rocks, walls and roofs of houses; ¼ ft. Pkt., 10c.

SENSITIVE PLANT. See *Mimosa.*

SILENE.

A beautiful genus of free flowering plants, with bright attractive flowers. Hardy annual; 1 ft.

2640. **S. Armeria, Mixed.** Red, white and rose. Oz., 25c.; pkt., 5c.
2641. **Pendula Flore Pleno.** Charming rose-colored flowers. Oz., \$1.00; pkt., 5c.

SMILAX. See *Myrsiphyllum.*



NEW SWEET PEA VESUVIUS.—Pkt., 10c.

SWEET PEAS. (*Lathyrus Odoratus.*)

All the varieties are very showy, free flowering climbers. Hardy annuals; 3 ft.

2700. **Sweet Pea Vesuvius.** The large upper petals show a brilliant carmine rose, shading toward the centre into a deep, glowing purple throat, the whole being sprinkled with crimson dots. Oz., 75c.; pkt., 10c.
2701. **Scarlet Invincible.** Oz., 40c.; pkt., 5c.
2702. **Butterfly.** Pure white, laced with lavender blue. Oz., 40c.; pkt., 10c.
2703. **White.** Pure white. Oz., 25c.; pkt., 5c.
2704. **Striped.** Very handsome. Oz., 25c.; pkt., 5c.
2705. **Everlasting, Mixed.** (*Lathyrus Latifolius.*) 5 ft. Oz., 40c.; pkt., 5c.
2706. **Choice, Mixed.** Over seventeen choice sorts. Oz., 15c.; lb., 75c.; pkt., 5c.
See also *Novelties.*

SWEET SULTAN. (*Centaurea Moschata.*)

2720. **Sweet Sultan.** A handsome plant. Flowers purple, double, and of a strong, musky scent. Hardy annual; 1 ft. Pkt., 5c.

SWEET WILLIAM. (*Dianthus Barbatus.*)

These plants, when in full bloom, present a beautiful sight, and for a fine display are unsurpassed. Blooms freely the first season from seed. Hardy perennial; 1½ ft.

2740. **Sweet William, Mixed.** The finest, largest and most double varieties. Oz., \$1.25; pkt., 5c.

THUNBERGIA. (*Black-Eyed Susan.*)

A beautiful class of very ornamental climbers, suitable for green-house or out-door culture. Half-hardy annuals; 4 ft.

2760. **T. Alba Oculata.** White; dark eye. Oz., 40c.; pkt., 5c.
2761. **Aurantiaca.** Orange; dark eye. Oz., 40c.; pkt., 5c.
2762. **Bakeri.** Pure white. Oz., 40c.; pkt., 5c.
2763. **Finest Mixed.** Choice shades. Oz., 40c.; pkt., 5c.
2764. **Alata.** Buff; dark eye. Pkt., 5c.

TORENIA.

Very pretty summer plants, for hanging baskets or borders. Half-hardy annuals; ¾ ft.

2780. **T. Fournieri.** Sky-blue, with a bright yellow throat. Pkt., 20c.
2781. **Bailloni.** Golden yellow flowers, with a brownish red throat. Pkt. 20c.

TROPÆOLUM.

Very elegant and profuse blooming climbers, for in-door or out-door culture. Half-hardy annuals.

2800. **T. Peregrinum.** (*Canary Bird Flower.*) Yellow. 10 ft. Pkt., 5c.
2801. **Lobbianum.** Brilliant mixed varieties; 6 ft. Pkt., 5c.

VERBENA.

Well-known plants of great beauty and variety, with beautiful, dazzling, self-colored, striped and variegated flowers. Half-hardy perennials; 1 ft.

2820. **V. Hybrida, Striped.** Very brilliant shades. Pkt., 15c.
2821. **Candidissima.** Large trusses of the purest white flowers. Pkt., 15c.
2822. **Coccinea.** Brilliant scarlet. Pkt., 15c.
2823. **New Mammoth.** See *Novelties.* Pkt., 25c.
2824. **Choicest Mixed.** Selected from the newest and finest named varieties. Oz., \$4.00; pkt., 15c.
2825. **Fine Mixed.** All good varieties. Oz., \$3.00; pkt., 10c.



VERBENA-CHOICEST MIXED.

VINCA.

Beautiful free-flowering plants, suitable for house culture or bedding purposes, blooming the first year from seed. Half-hardy perennials; 1½ ft.

2840. **V. Rosea.** Rose, with dark eye. Oz., \$1.25; pkt., 10c.
2841. **Alba.** White, with crimson eye. Oz., \$1.25; pkt., 10c.
2842. **Pura.** Pure white; exquisite. Oz., \$1.25; pkt., 10c.

VIOLET. (*Viola Odorata.*)

A great favorite, much in demand on account of its abundant and fragrant bloom. Hardy perennial; ½ ft.

2860. **V. Single White.** Sweet scented. Pkt., 10c.
2861. **Single Blue.** Sweet scented. Pkt., 10c.
2862. **Mixed.** Pkt., 10c.

VIRGINIA STOCK.

A beautiful, free-flowering plant for beds, baskets, or edgings. Hardy annual; ¼ ft.

2880. **Virginia Stock.** Fine red and white, mixed. Pkt., 5c.

WALL FLOWER. (*Cherianthus Cheri.*)

A handsome popular plant, with massive spikes of fragrant flowers. Hardy perennial; 2 ft.

2900. **Wall Flower, Double Mixed.** Yellow, brown and purple flowers. Pkt., 10c.
2901. **Single Mixed.** Showy colors. Oz., 40c.; pkt., 5c.

WHITLAVIA.

2920. **W. Grandiflora.** A pretty and charming plant, with delicate and handsome foliage, and bright blue and white bell-shaped flowers. Hardy annual; ¾ ft. Pkt., 5c.

ZINNIA. (*Youth and Old Age.*)

The Zinnia is one of our most showy plants, so easy of cultivation and handsome that it will always be popular. Hardy annual; 1½ ft.

2940. **Z. Elegans Flore Pleno.** Dazzling scarlet, yellow, orange, rose, lilac, crimson and white. Oz., 50c.; pkt., 5c.
2941. **Haageana Fl. Pl.** Deep orange yellow, retaining its color when dried. Pkt., 10c.
2942. **Zebra, Striped.** Pkt., 15c.



Our plants and bulbs, like our seeds, are of the *very best quality and choicest varieties*. Our packer has had twenty-five years' experience, and all orders are packed in the most careful manner. They are guaranteed to arrive in good condition and give satisfaction. At prices given they are sent by mail, postage paid, to any post-office in the United States.

Amaryllis Formosissima. (*Jacobea Lily*.) A well-known favorite; color, rich crimson velvet. Each, 20c.; \$2.00 per dozen, post-paid.



Dahlia. (*Double*.) Of this fine old plant we have twenty-five of the best improved varieties, in various shades of red, white, yellow, pink and purple. If our customers will name the color preferred, and whether the large or small flowering varieties, we will select according to their desires. Each, 25c.; \$2.50 per dozen.

Dahlia. (*Single*.) There has been a great improvement effected by high cultivation in the single Dahlias, and those which we now offer are really beautiful, rivaling the Large Hybrid Clematis, which they very much resemble. Each, 25c.; \$2.50 per dozen.

Caladium Esculentum. (*Elephant's Ear*.) This is one of the largest leafy plants that grows. In very rich, damp soil, the leaves grow from three to five feet long and two-thirds as broad, in one season. They should be kept in a warm place in winter. Each, 25c.; \$2.50 per dozen.



NAMED GLADIOLUS.

Gladiolus. Of this splendid flowering bulb we have a grand collection, comprising over two hundred named varieties, representing almost every conceivable shade of red, white, yellow, pink and carmine in an endless variety of shading, markings and combinations. It is impossible to convey any adequate idea of the character and beauty of these flowers by printed description. When the selection of varieties is left to us, and an idea is given of the shades preferred, we will endeavor to give our customers entire satisfaction. Best named varieties, each 15c., post-paid; \$1.50 per dozen.

FINE MIXED GLADIOLUS. A promiscuous collection of bulbs of various shades and colors. Many fine varieties are among them. Persons who do not care for the names of the varieties can purchase a fine display for a small amount. Each, 5c.; 50c. per dozen, post-paid; by express, \$3.00 per 100.

Canna. (*Indian Shot*.) A splendid foliage plant, and one of the best centre pieces for a large bed or ornamental group. Grows from five to seven feet high; leaves two feet long, of a dark, purplish bronze color. Each, 25c.; \$2.50 per dozen.

Lilium Tigrinum. (*Tiger Lily*.) Color orange salmon, very showy. \$1.50 per dozen; each, 15c., post-paid.

Lily of the Valley. (*Convallaria Majalis*.) Beautiful and graceful white flowers of exquisite fragrance. Each, 10c.; \$1.00 per dozen.

Madeira, Mexican, or Mignonette Vine. Very fragrant; rapid climber. Excellent for arbors. Flowers white. Each, 8c.; 60c. per dozen, post-paid.

Tuberose Roots—New Extra Early Double African. Bulbs and flowers are larger, finer and bloom earlier than the American varieties. Each, 15c.; \$1.50 per dozen, by mail, postage paid.

Tuberose Roots—Finest Double and Pearl. For an early bloom, plant about March, in pots or boxes, in good, rich soil, transplanting in the garden about the middle of May. Each 5c.; 50c. per dozen, post-paid; \$3.00 per 100, by express.



STRAWBERRIES.

Postage.—*Strawberries at dozen rates will be sent by mail, free of postage; at the rates per 100, 20c. per 100 must be added to pay postage.*

Manchester. Berries large; shape, globular; color, bright scarlet; quality, first-class, vigorous, hardy and productive. Doz., 40c.; 100, 75c.; 1000, \$3.00.

LIDA (*New*.) Medium early, large size, firm flesh, very productive. Doz., 75c.; 100, \$1.00; 1000, \$5.00.

CRIMSON CLUSTER. Splendid new market berry, very large; rich crimson. Doz., 75c.; 100, \$4.00.

May King. Fine. Doz., 40c.; 100, 75c.; 1000, \$3.00.

Jersey Queen. Large and beautiful, ripening late; excellent form and color. Doz., 75c.; 100, \$1.00; 1000, \$4.00.

BOMBA. Very early. Doz., 75c.; 100, \$1.50.

MAMMOTH. New and fine. Doz., 75c.; 100, \$1.00.

GANDY'S PRIZE. Latest. Doz., 75c.; 100, \$2.00.

PARRY. This variety is a seedling from Jersey Queen, and possesses all the merit of its mother parent, with a perfect blossom, thus insuring a crop of fruit under all circumstances, uniting large size, beauty, quality, firmness, vigor and productiveness. Doz., 50c.; 100, 75c.; 1000, \$3.00.

Glendale. The best late. Large scarlet, very firm, good flavor; highly prolific, succeeding on poor and rich soil. Doz., 50c.; 100, 90c.; 1000, \$3.00.

Longfellow. Large, smooth, regular, deep crimson; firm and sweet. Doz., 60c.; 100, 75c.; 1000, \$3.00.

Albany. (*Wilson's*.) Very hardy, productive; fruit good size, crimson; brisk, acid flavor. 100, 60c.; 1000, \$3.00.

Charles Downing. Vigorous, productive; large, deep scarlet; firm, juicy, sweet. 100, 60c.; 1000, \$3.00.

Crescent Seedling. Berries medium to large, bright red, and of good quality. 100, 60c.; 1000, \$2.50.

Kirkwood Seedling, or Mt. Vernon. Grows very large; color, bright scarlet. 100, 60c.; 1000, \$3.00.

Sharpless' Seedling. Very large, oblong, clear, light red, hardy, vigorous habit. 100, 60c.; 1000, \$3.00.

Monarch of the West, Agriculturist, Kentucky, Captain Jack, Miner, Windsor Chief and other good varieties. 100, 75c.; 1000, \$3.00.

RASPBERRIES.

Postage.—*If to be sent by mail, add 10c. per dozen; 20c. for 50, and 40c. per 100, to prepay postage.*

GOLDEN QUEEN. The latest novelty, handsome yellow fruit, very firm, sweet and solid; hardy and productive. Doz., 90c.; 100, \$3.00.

Souhegan. A new black cap variety, very early, hardy, vigorous and productive. Doz., 60c.; 100, \$1.50.

Hansell. A vigorous grower, enormously productive, and extremely hardy; fruit bright crimson, of superior quality and very firm. Doz., 75c.; 100, \$1.50.

Cuthbert, or Queen of the Market. Bright red, luscious, firm and large. Doz., 60c.; 100, \$1.25.

Brandywine, Gregg, Crimson Beauty, Doolittle, Thornless, Bristol, Ohio. Each, doz., 75c.; 100, \$1.50.

BLACKBERRIES.

Postage.—*If ordered by mail, 10c. per dozen; 25c. for 50; 45c. per 100 must be added for postage.*

WILSON JUNIOR. The largest early variety in cultivation; very robust and productive. Doz., 75c.; 100, \$2.50.

Early Harvest. A new variety; the earliest; hardy, vigorous, productive. Doz., 75c.; 100, \$1.50.

EARLY CLUSTER. A new blackberry of strong growth; very large and fine. Exceedingly productive, healthy and hardy. Doz., 75c.; 100, \$2.50.

LUCRETIA DEWBERRY. Doz., 75c.; 100, \$2.00.

Early Dorchester, Early Wilson, Kittatiny, Lawton, Snyder. Each, per doz., 60c.; 100, \$1.50.

CURRANTS.

Postage same as for Raspberries.

Houghton's American Seedling. A vigorous, productive variety; best for our climate. Doz., \$1.50; 100, \$5.00.

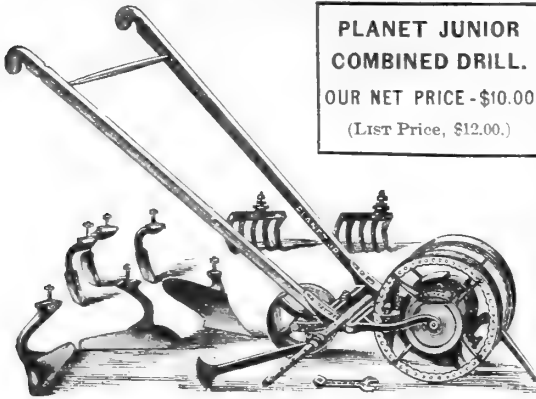
GRAPE-VINES.

Postage.—*20c. per dozen; \$1.00 per 100.*

The following hardy varieties, one year old, each 25c.; \$2.00 per dozen; two years, 40c.; \$3.00 per dozen:

Agawam, Brighton, Catawba, Clinton, Concord, Delaware, Duchesse, Hartford, Lady Martha, Moore's Early, Pockington, Salem, Wilder, Niagara, Empire State.

THE "PLANET JR." GARDEN TOOLS.



**PLANET JUNIOR
COMBINED DRILL.**
OUR NET PRICE - \$10.00
(List Price, \$12.00.)

The Planet Junior goods are widely and favorably known everywhere, the Combined Planet Drill being the most popular combined machine in the market. The entire line is well made, handsomely finished and their Cultivators are second to none.

THE "PLANET JR." NO. 2 DRILL holds 2½ quarts. It will sow, with equal ease and accuracy, a single paper of seed, or a full hopper, covering evenly at any exact depth, and will roll down and mark the next row perfectly, all at a single passage. It has no cams, levers, brushes, cogs, springs or shakers. It is noiseless, automatic, self-cleaning and always reliable. Price, \$7.50.

THE "PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW. This most popular tool is unrivalled in beauty of design, perfection of finish, convenience and capacity for work. It is suitable for either the farm or garden. As a drill, it is exactly similar and equal to the No. 2, except in size. It holds one quart.

As a plow, it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely and closely to and from both sides of the row at once, when plants are small, between rows as plants grow larger, working all rows from eight to sixteen inches wide at one passage. Price, \$10.00.

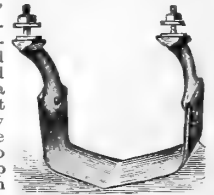
"PLANET JR." DOUBLE-WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED. Has the invaluable feature of tending both sides of the row at once. The wheels can be set four, seven or ten inches apart. It has a pair of hoes, a pair of plows, two pairs of cultivator teeth, a pair of rakes and a pair of leaf lifters, making it capable of every variety of gardeners' work. Price, \$7.00. Onion set gatherer, extra, \$1.25.

"PLANET JR." SINGLE-WHEEL HOE is considerably lighter than the Double, and is supplied with one pair of hoes, three reversible cultivator teeth, two narrow and one broad, a large garden plow and a pair of rakes. It is capable of a great variety of combinations and is admirably adapted to the use of small gardens. Price, \$5.50.

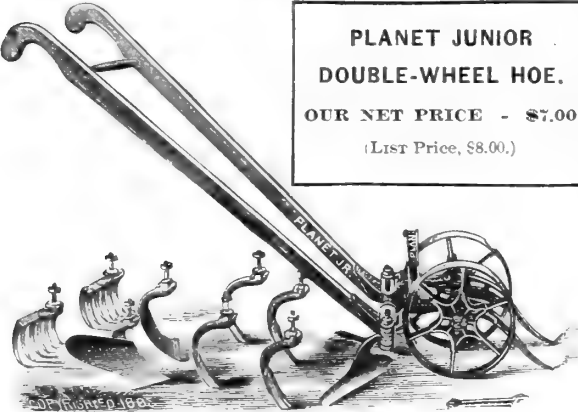
THE FIRE-FLY SINGLE-WHEEL HOE, CULTIVATOR AND PLOW COMBINED. It is light, strong and adjustable to quite a variety of work. It has two hoes which work either to or from the row, three cultivator teeth and one garden plow. Price, \$4.25.

THE FIRE-FLY WHEEL GARDEN PLOW. This little plow has been found very useful for gardeners and private families, in opening furrows, covering seed in drills and hilling growing plants. Price, \$2.00.

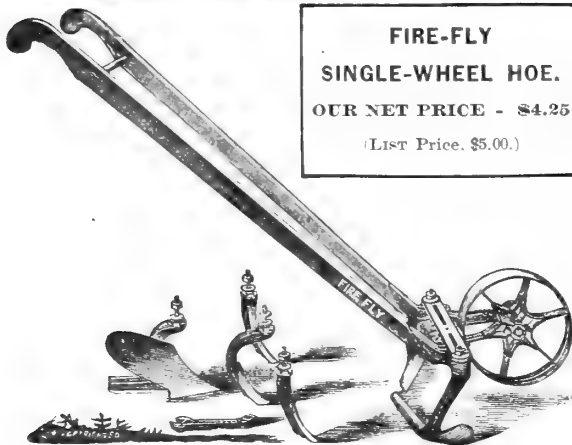
"PLANET JR." ONION SET HARVESTER. A new and useful attachment which can be used on our Combined Drill and on all our Wheel hoes, is a neatly formed Onion Set Harvester. It is used by passing it directly under the row from one and a half to two inches deep. It thoroughly loosens the crop without scattering the bulbs, and leaves them in the best possible condition for easy handling, saving much labor and time. Price, \$1.25.



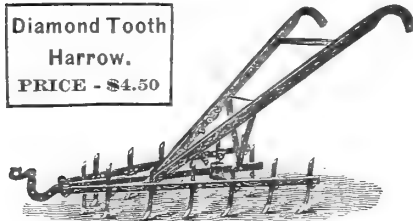
ONION SET HARVESTER.



**PLANET JUNIOR
DOUBLE-WHEEL HOE.**
OUR NET PRICE - \$7.00
(List Price, \$8.00.)



**FIRE-FLY
SINGLE-WHEEL HOE.**
OUR NET PRICE - \$4.25
(List Price, \$5.00.)

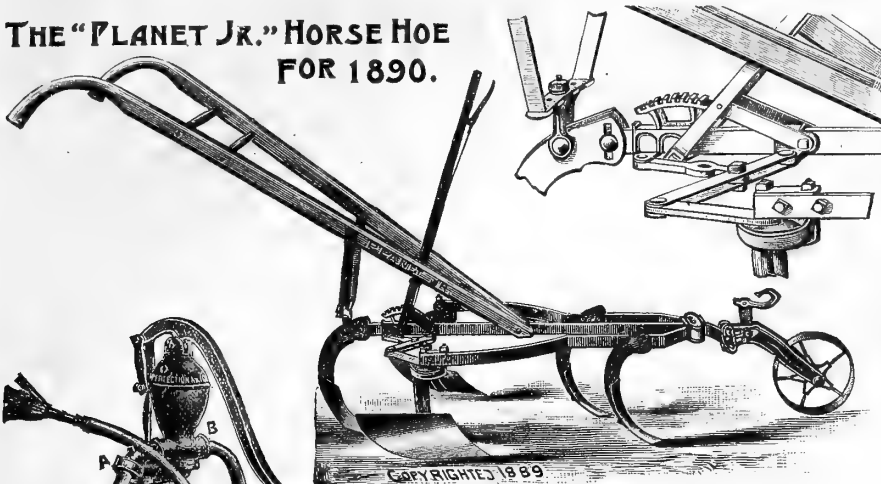


**Diamond Tooth
Harrow.**
PRICE - \$4.50

two inches deep. It thoroughly loosens the crop without scattering the bulbs, and leaves them in the best possible condition for easy handling, saving much labor and time. Price, \$1.25.

DIAMOND TOOTH HARROW AND CULTIVATOR, is without question, the most useful, valuable and efficient tool for market gardeners and farmers that has yet been introduced. The teeth are of steel, diamond-shaped, and forged at one end, giving it much the resemblance of the old Duck Tooth Cultivator, so much prized by market gardeners. The teeth in the Diamond Tooth Harrow are much smaller and twice as numerous, thus making it far more valuable than any other similar tool. The entire frame is made of the best wrought iron, and is much longer than the old Spike Tooth Harrow. Price, \$4.50.

THE "PLANET JR." HORSE HOE FOR 1890.



This widely known tool has received very valuable improvements for the season of 1890. The illustration shows clearly the new **Lever Expander**, by which with a single motion it changes from wide to narrow or reverse. One side may also be made wider than the other. No wrench required, no time lost. It also has a new **Handle adjustment**, which works sidewise and perpendicularly. This will be appreciated when working in an orchard or among tall crops, such as Corn, Hops, Pole Beans, etc.

Prices, New Horse Hoe, as shown, complete, with wheel, \$9.00; old pattern, with wheel, \$8.00; Plain "Planet Jr." Cultivator, \$3.75; Roller attachment, \$2.50; "Planet Jr." Celery Earther complete, \$7.00; Sweeps per set, \$1.10; set 1 1/4 inch teeth, 55c. The new attachments can be used in the old machines by boring one hole in the frame. Price, Lever attachment, \$2.00; Handle attachment, \$1.00.

SPRAY YOUR FRUIT TREES.

It is a well established fact that you can save your fruit from the ravages of worms and insects by spraying them with solutions of London Purple or Paris Green. The following rules must be carefully observed:

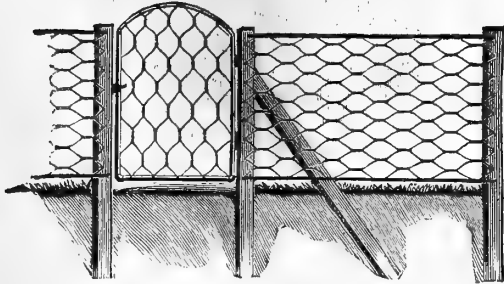
1. Spray immediately after the blossoms have fallen, never before, as you might thus kill the bees.
2. For all trees except Peach and Orange use London Purple in the proportion of 1 pound to 200 gallons of water.
3. For Peach trees use 1 pound London Purple to 300 gallons water.
4. London Purple is better than Paris Green as it will dissolve more readily. Let it soak over night in a small quantity of water before mixing.
5. For Orange trees use 5 pound's Whale-Oil Soap and 1 1/2 pounds Sulphur to 40 gallons of water. See that it is thoroughly dissolved.

THE PERFECTION FORCE PUMP is what you want to do the work (see cut). It has ten feet of discharge hose with a spray nozzle, attached at "A" (see cut). It also has attached at "B" 3 feet of return hose, so that at every stroke a small part of liquid is redischarged into the barrel, which keeps the poison and water well mixed. Weighs 55 lbs. Price (not including barrel), \$10.00. London Purple, 25c. per lb.; Paris Green, 25c. per lb.; Whale-Oil Soap, per lb., 10c., by the barrel, 8c.; Sulphur 10c. per lb.



PERFECTION FORCE PUMP. Price, \$10.00.

WIRE FARM FENCING AND POULTRY NETTING.



FARM FENCING.

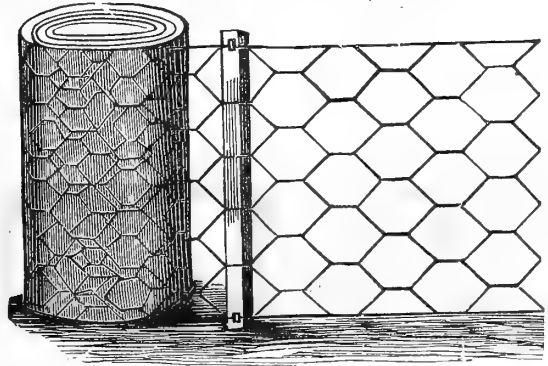
Our Farm Fencing is made of heavy No. 14 galvanized wire, woven into diamond-shaped meshes, 4 x 7 inches. We can also supply gates made of wrought iron pipe and steel wire, supplied with hinges and catch.

PRICE OF FENCING.
Length of Roll, 20 Rods—330 feet.

HEIGHT.	WEIGHT PER ROLL.	PRICE PER FOOT.	PRICE PER ROLL.
26 in.	123 lbs.	8c.	\$18 60
34 "	164 "	9c.	19 80
42 "	193 "	10c.	21 00
50 "	231 "	10 1/2 c.	22 20
58 "	269 "	11c.	24 20

PRICE OF GATES.

SINGLE.		DOUBLE.	
3 feet wide,	\$4 50	6 feet wide,	\$8 50
4 "	5 50	8 "	10 00
5 "	6 50	10 "	12 00



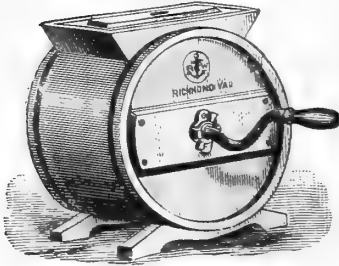
POULTRY NETTING.

Best quality steel wire, 2 inch mesh, No. 19 wire, double twist, thoroughly galvanized after weaving. The 12-inch wide is very well adapted for training vines over porches and verandas. Sold only in bales of 150 lineal feet to the bale. Price 75c. per 100 square feet.

WIDTH.	SQUARE FEET PER BALE.	PRICE PER BALE.
12 in.	150	\$1 13
18 "	225	1 70
24 "	300	2 25
36 "	450	3 38
48 "	600	4 50
60 "	750	5 63
62 "	900	6 75

DAIRY SUPPLIES.

NEW CYLINDER CHURN.



The New Cylinder Churn is substantially made of White Cedar and bound with galvanized hoops, and has our patent water-tight crank. The dasher is removable and is guided to its proper position while inserting the handle. No special stand is required; the churn can be easily operated on a table, chair, bench or box.

No. 1.	Capacity, 2 gals.,	\$2.00
" 2.	" 4 "	2.50
" 3.	" 7 "	3.00

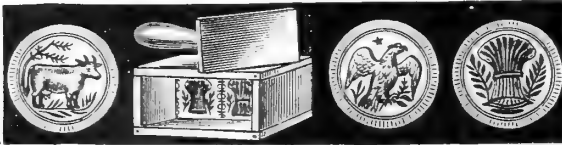


SPAIN'S PATENT CHURN.

(Including Patent Stands.)

ONE CRANK.		
No. 1.	churns 9 quarts,	\$5.00
" 2.	" 15 "	5.50
" 3.	" 20 "	6.00
" 4.	" 24 "	7.00
" 5.	" 32 "	8.00
" 6.	" 44 "	9.00
TWO CRANKS.		
No. 6.	churns 41 quarts,	\$10.00
" 7.	" 60 "	13.00

BUTTER PRINTS, OR MOULDS.



Butter Prints, or Moulds. Handsomely finished. We can furnish any style as shown in illustration. Round, one-pound prints, 40c. each; round, half-pound, 30c. each; square, one-pound, 80c. If by mail, send ten cents extra to cover postage.

Butter Paddle. Made of hard wood. Each, 25c. By mail, 35c.

Butter Tryers. Made of polished steel. Price of Butter Tryers, 4 in., 30c.; 6 in., 35c.

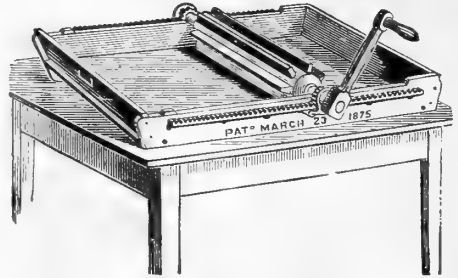
Floating Dairy Thermometers. Price, each, 25c. By mail, 30c.

Lactometers. For testing the purity of milk. Price, 40c. By mail, 50c.

Milking Tubes. Made of sterling silver, for use in case of sore or obstructed teats in cows. Price, 50c.

Harvey's Anti-Cow Sucker and Calf Weaner. Very effectual. Price, for calves, 40c.; for cows, 60c.

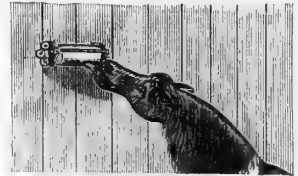
REID'S BUTTER WORKER.



No. 1.	Capacity, 50 lbs.,	\$9.00
" 2.	" 30 "	7.00
" 3.	" 20 "	6.00
" 4.	" 10 "	5.00

SALT ROLL (For Stock).

Every one knows how necessary it is that stock should have access to salt at all times. To supply this want, the "Salt Roll" is made. Fastened to the stall in easy reach, by a neat galvanized bracket, is a roll of pure salt. After the roll has been used up, another one can be placed in the same bracket. Price, complete, 50c.; by mail, \$1.00. Extra salt rolls, 15c.; by mail, 45c.



BUTTER SHIPPING BOXES.



Made of well-seasoned popular lumber, and strongly secured from rough handling by Malleable Iron castings at all exposed points. Provided with the necessary trays for holding the contents securely and compactly. Fitted with a tin ice-receptacle in the centre of box, which is removable when not needed, thus increasing the carrying capacity.

CAPACITY.		PRICE LIST.	CAPACITY.	
20 lb. prints,	\$4.50	36 1/2-lb. prints,	\$5.00	
30 "	4.75	60 "	5.25	
40 "	5.00	80 "	5.50	
56 "	5.25	100 "	6.00	
80 "	5.50	140 "	7.00	
96 "	5.75			
120 "	6.00			

SMALL'S CALF FEEDER.



The calf will thrive better to suck its food in the natural way, than to swallow it rapidly, as in drinking. The Feeder has two valves, will not leak, and is warranted for one year. It holds seven quarts, and is sent, with everything complete, even to screws. Price, net, \$2.50; extra nipples, 25c. When sent to a distance where express charges would be high, send 64 cents for postage.

PARCHMENT BUTTER PAPER.

Better, cheaper and more convenient to use than ordinary muslin. It is absolutely pure and free from any adulteration. Price per 100 sheets:

8 x 8 inches,	\$1.15	8 x 11 inches,	\$1.35
10 x 10 "	1.40	9 x 12 "	1.50



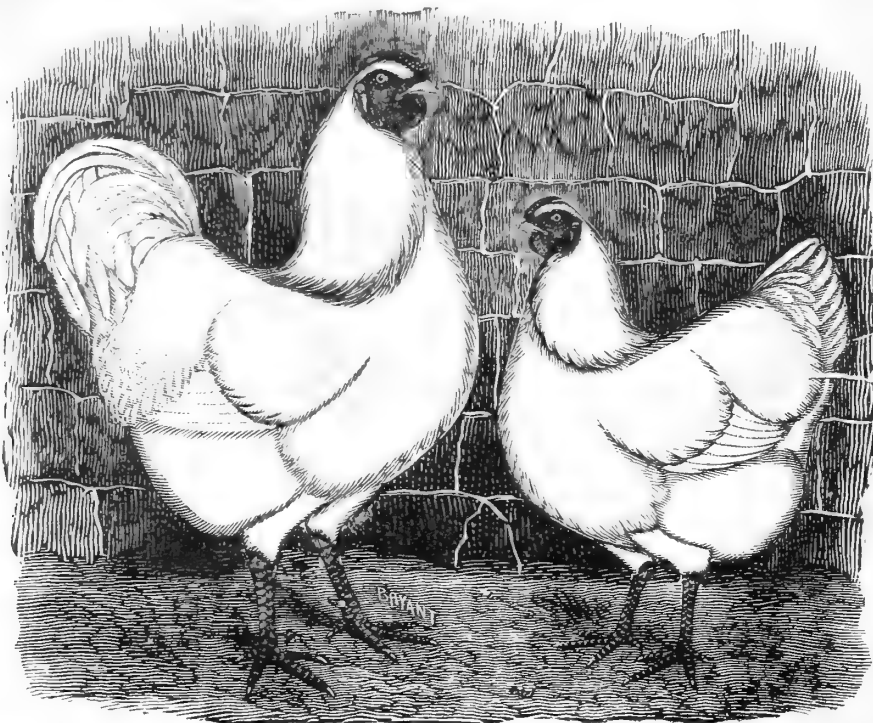
WE invite your perusal of the following pages, which we have devoted to our Live Stock Department. To our old customers, we need only say that we have added fresh prize-taking blood to all of our pens and yards, and you need not be afraid of in-breeding by purchasing of us again. To those who have never bought Live Stock of us, we would add that we **guarantee** the safe arrival of all shipments, and that they will be of the **finest and choicest stock** of this and other countries.

OUR PRICES are as low as such high-class stock can be bred for; and it is unnecessary for you to write us to know if we will take less than the prices published in our catalogue, as we cannot do so under any circumstances.

EGGS FOR HATCHING. We guarantee all eggs fresh and true to name, and all from first-class stock. Frequently chicks of black breeds have some white feathers when hatched—this does not denote impurity, as they will throw them in moulting and their plumage then becomes solid black. We can ship eggs **only by express** to any State or Territory. We cannot guarantee any certain number to hatch, as this depends on so many causes over which we have no control; but our system of packing is so perfect that excellent hatches are the rule, no matter how great the distance.

NO LIVE STOCK OR EGGS SENT C. O. D. Cash must accompany all orders.

SHIPMENTS.—Always give us your Express and Post-Office plainly, and we will notify you by telegraph or mail in advance of all shipments. Express agents feed and water, and collect express charges at destination.

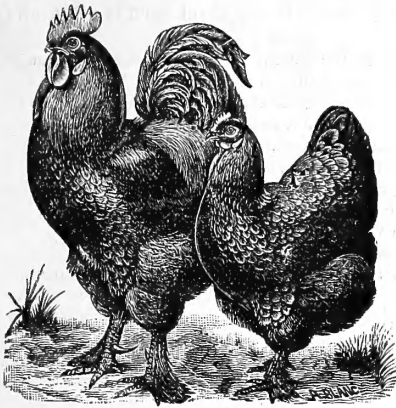


Our Prize White Wyandottes "Autocrat" and "Lady."

We know of no fowl possessing so many points of superiority for the poultry raiser or practical farmer as the White Wyandotte. For beauty and style they have no equal. Their plumage being a pure white, with legs, beaks and skin a rich yellow. As a market or table fowl they have no superior. They have a close-fitting, medium size rose comb, and thus are not troubled by the frost, as the Minorcas and Leghorns. They commence laying very early and continue through the season, uninterruptedly, if given reasonable care. The birds we are breeding are the best that careful selection and money could secure. No birds to offer this season. Eggs, per setting of 13, \$3.00; per 26, \$5.50.

OUR PRIZE LACED WYANDOTES.

Are hardy, easily raised, a fine table fowl, and prolific layers. Mature earlier than almost any other breed. They are black and white spangled, skin and legs yellow; in size not quite as large as the Plymouth Rock. They lay a large, yellow egg, and the hens make good sitters and mothers. Price of fowls: per trio, \$12.00; pair, \$8.00; single hen or cock, \$5.00. Eggs for hatching, \$2.50 per 13.



PAIR OF LANGSHANS.
LANGSHANS.

Are a glossy black throughout, with greenish and purplish reflections in the sunlight. Cockerels at eight months old weigh ten pounds, and pullets seven to eight pounds; carriage grand and stylish; very hardy and early maturing; lay early and all through the year; not persistent sitters; flesh white and fine flavor. We have them purest of the pure, and sure to please all. Prices: trio, \$10.00; pair, \$7.50; single bird, \$5.00. Eggs for hatching, \$2.50 for 13, or \$4.50 for 26 eggs.

WHITE AND BROWN LEGHORNS.

These fowls are very popular and handsome. The Browns preferred by some on account of not getting soiled so easily. They are very hardy, and are easy keepers, thriving and doing well on very little food, and head the list as the best layers. Prices: of either White or Brown Leghorns, trio, \$9.00; pair, \$6.00; single cockerel, \$4.00. Eggs, \$2.00 per 13, or 26 eggs for \$3.75, carefully packed.

LIGHT BRAHMAS.

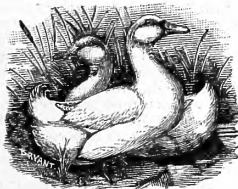
This grand fowl is very popular and profitable. They are good winter layers, good sitters and excellent mothers. They produce fine, large and rich eggs, and are laying when most of the other breeds are having their vacation. They are nicely feathered and marked. We offer a choice stock of two strains, and prize bred. Prices: trio, cock and two hens, \$10.00; pair, \$7.00; single bird, \$4.50. Eggs, \$2.50 for 13; \$4.50 for 26.

BLACK BREASTED RED GAMES.

These well-known and popular fowls somewhat resemble the original Games. In cocks the breast and thighs are deep blue-black, and the tails very dark green; the coverts on the shoulders of deep orange red. The hens are brown, with light colored breasts. They make one of the very best table fowls; excellent layers, good mothers, and very hardy in constitution. Trio, \$10.00; pair, \$7.00; single bird, \$4.50. Eggs for hatching, \$2.50 for 13.

IMPERIAL PEKIN DUCKS.

The largest, finest, heaviest and most profitable breed of ducks in existence. They are very popular and eagerly sought after. In color they are creamy-white, loose, fine feathers, erect carriage, large size, plump bodies and are nearly as large as geese. Orange legs and yellow bills; mature early and can be marketed young. Prolific layers, easily confined, and need only water enough for drinking purposes. Our orders are filled from the finest and largest strains to be found, drakes often weighing ten pounds at six months old. Prices: trio, \$9.00, mated; pair, \$6.00, mated; single ones, \$3.50; nicely boxed free of extra charge. Pure, fresh eggs, \$2.25 for 12; \$4.25 for 26, and \$1.25 for 6.



BUFF COCHINS.

The oldest of the Cochins family. In cockerels the plumage is generally a nealy buff, but as they grow older they take on their natural color—brilliant buff. They are excellent winter layers, good mothers and sitters. Our stock is of the best to be found. Fowls, \$11.50 per trio; \$8.00 per pair, mated nicely for breeding; single bird, \$4.50. Eggs for hatching, \$2.75 per 13.

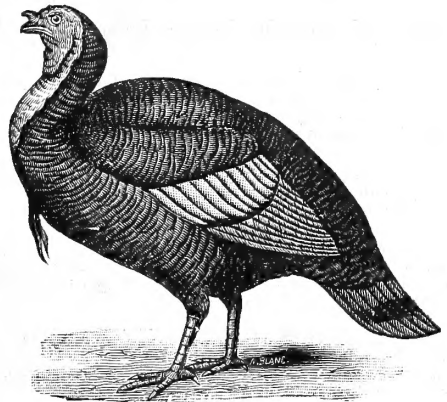


PLYMOUTH ROCKS.

Our strains of this popular and very profitable farmers' fowl are very fine. They are yellow-legged, hardy and easily reared. They commence laying very early, and feather early, meat yellow and juicy, good mothers. Prices: trio, \$9.00; pair, \$6.50; single cockerel, \$3.50. Eggs for hatching, \$2.00 for 13, or \$5.50 for 40, carefully boxed and packed to carry any distance safely.

HOUDANS.

These fowls are good layers and non-sitters, and an excellent table fowl. Dark legs, meat good, very hardy, vigorous, rapid growers, and very free from disease. Prices: trio, \$10.00; pair, \$7.00; single bird, \$4.00. Eggs for hatching, \$2.50 for 13; \$4.50 for 26.



PRIZE MAMMOTH BRONZE TURKEY.

MAMMOTH BRONZE TURKEYS.

It is well to remember that it costs no more to raise good stock than it does poor. The common Turkey gobbler at maturity weighs from eighteen to twenty-five pounds—the Mammoth Bronze from thirty-five to forty pounds. When the result is so much better, the slight difference in first cost is not to be considered. Our strain of these Mammoth Bronze Turkeys has no superior in this country. Their plumage is a beautiful metallic bronze. Yearling gobblers weigh from thirty-five to forty pounds each, and yearling hens eighteen to twenty-six pounds each. Our young gobblers, at six months old, frequently weigh twenty to twenty-five pounds each, and young hens twelve to fifteen pounds each. Prices: trio, tom and two hens, mated for breeding, \$16.00; pair, mated, \$12.00; single tom or hen, \$7.00. Eggs for hatching, \$3.00 for 6; \$5.75 for 12.

ROUGH-COATED SCOTCH COLLIE SHEPHERD DOGS

A DOG THAT EVERY FARMER NEEDS.

One of the most important and valuable additions a farmer can make to his stockyard is a Scotch Collie

The pure-bred Scotch Collie Shepherd Dog takes as naturally to driving stock as the Pointer and Setter to hunting birds. They are of a kind and affectionate disposition, and become strongly attached to their master's family. They are very watchful and always on the alert, while their intelligence is really marvellous. At one year old they are able to perform full duty herding sheep, cattle, swine and other kinds of stock, attending them all day when necessary, keeping them together and where they belong, and driving off strange dogs and intruders. They learn to know their master's animals from others in very short time, and a well-trained dog will gather them together, drive them home, and put each into its right stall. They can easily be taught to attend poultry, and are declared enemies of all species of vermin that infest the poultry-yard, and can be made most useful in a hundred different ways. They have a dainty carriage and fine style, profuse silky hair, bushy tail carried low, ears small and semi-erect, head long and sharp, chest deep with plenty of lung room. In general form like symmetrical and graceful; in appearance a handsome dog, and in sagacity he excels all others of the dog family.

We breed extensively and at our kennels are to be found some of the finest dogs in the land. Imported dogs are bred added frequently so as to keep up the fine standard we have established. On the opposite page we give an exact likeness one of our breeding dogs, also a copy from a photograph of a litter of our pups. For the quality of our dogs we refer you to the following testimonials, to which we point with pride.

JOHN S. PARKER, Ontonagon, Mich., Jan. 10, 1889, writes: "The two Collie pups you sent me last spring have grown to be handsome dogs. The bitch (a white and black) is by far the prettier of the two, but the dog (a black and tan), name "Jock," learns the quickest. He knows all our stock from the neighbors', and regularly every day, drives the ducks up and puts them in the duck-house, allows no strange cattle to come on the premises."

NAPHTN BROS., Bully P. O., Montana, Jan. 1, 1889, writes: "The pair of Collie dogs you sent us are doing well. The dog will make a fine animal and the bitch is now in a herd of 1200 sheep and doing good work."

FRED. A. WIGHTMAN, Noxon, Montana, July 21, 1889, writes: "The Scotch Collie pups as ordered arrived safely this A. M., not much worse for their long ride of nearly 3000 miles. They are bright little fellows and I am well pleased with them. Will you kindly send me pedigree of them?"

PHILIP QUILLMAN, Norristown, Pa., Nov. 13, 1889, writes: "The Collie dog I purchased from you last April, I am more than pleased with. He proves to be all that was claimed for him, very intelligent, with an evident desire to do anything I ask of him, and the object of praise and admiration of every one that sees him. My family are very much attached to him and money could not induce them to part with him."

ELIAS S. KIMBALL, Meadowville, Rich Co., Utah, June 11, 1889, writes: "Pups reached Montpelier about ten days ago all O. K., but badly worn out. They are now doing first rate."

JOHN L. WENE, Asbury Station, Hunterdon Co., N. J., writes: "I received your letter to-day and will say I like the dog well, he acts very fine, he takes to driving very quickly, he acts very fine in driving cattle or anything else and I would not take twice what I gave for him."

VALLEY BROS., Barton, Vt., writes: "We received the Collie puppies all right and are highly pleased with them; they take to driving cattle already, and we would not part with them at any price."

J. H. SMITH, St. Louis, Mo., writes: "The pair of Collies sent me a year ago have grown finely, showing rare intelligence. Their services are more valuable to me than those of any two men on my farm. I have been offered \$100 for the pair, but would not sell."

JACOB KNUPP, Dangold, Ill., writes: "I am greatly pleased with the Collie pup you sent me; he took to driving stock as naturally as to eating, and will do anything I tell him to do. He is the wonder of the neighborhood. I would not take for him ten times what he cost me."

G. W. CLICK, Huntington, Ind., writes: "The Scotch Collie puppy you sent me arrived safe. He is a beauty. It is interesting to see him manoeuvre around cattle. He is learning fast, and will make a fine dog. I am well pleased with him."

WARREN A. DOOLITTLE, Clinton, Conn., writes: "The Collie puppy arrived yesterday morning in fine condition. He is a perfect beauty, handsome and wonderfully intelligent. You do not praise them half enough."

CHAS. C. KINYON, Raritan, N. J., writes: "I am highly pleased with the Collie dog sent me, he far exceeds my expectations."

J. E. WADDLE, Tunnelton, Pa., writes: "The Scotch Collie puppies arrived in fine order the day after shipment. They are very fine and pleased me greatly. They already show signs of making excellent drivers. Accept my thanks."

ADAM HELSER, Thornville, O., writes: "I am greatly pleased with the pair of Collie dogs. They are growing finely, and are very intelligent. They are more than I expected. One of my neighbors sent to Wooster, O., for a pair of Collies, but mine beat them all to pieces. I got first premium at our county fair on melons, pumpkins and other produce bought of you. You will hear from me again in the spring."

R. H. LANING, Towanda, Pa., writes: "The Scotch Collie puppy sent me is very handsome and wonderfully intelligent. I am delighted with him in every way."

J. W. PARKES, Ouachita City, La., writes: "I am more than pleased with the Collie dogs. It is astonishing to me to see puppies so young making an effort to manoeuvre around cattle, without the least training whatever. I would not without them for twenty times their cost."

Below we give an account of a Collie Mail Carrier, true story from Dakota:

THE COLLIE MAIL CARRIER.

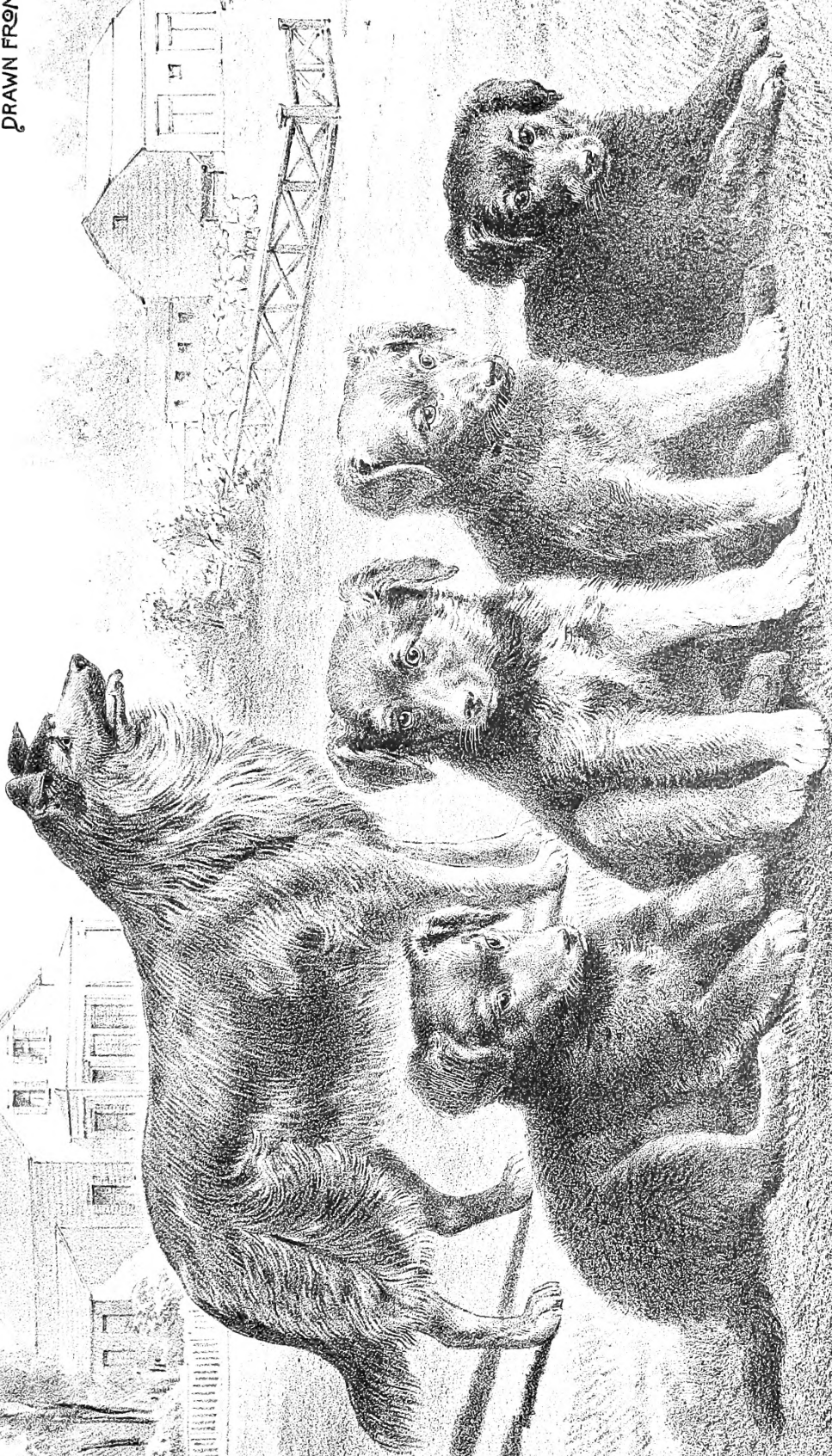
An exchange tells us the following: "Dorsey is a fine Scotch Collie, and has the distinct of being the only dog regularly employed as a letter-carrier in the world. Dorsey has for more than three years carried the mail between Calico, San Bernardino County, and Bismarck, a mining-camp between three and four miles away over almost impassable mountains. Calico is a stage-station and has a post-office. Without the aid of the dog, mailman would have a hard time getting his mail, as the country is very rough and steep in places, and most of year the weather is very warm."

"Dorsey belongs to the postmaster at Calico, and in youth was not regarded as anything more than a common puppy. The way the dog became a mail-carrier was as follows: One day the post-master wanted to send word to brother at Bismarck, but did not want to make the trip, occurred to him to try the dog. He wrote a letter and tied it around the dog's neck, pointing the dog's nose toward Bismarck, and then told him to go. He trotted off a short distance, and then turned about to see what else was wanted. Some of the small boys showered stones at him, and he ran to Bismarck. Next day he returned with an answer on his neck, and he showed that he had been well treated. The experiment was repeated, each time with successful additional dignity on the part of the dog."

"As soon as it became known that Dorsey could be depended upon, requests were constantly made by the mailman to send their mail by him. The loads soon increased, and became evident that they could not tie on all the letters. The miners then ordered a handsome little mail-bag, fitted it to the dog's shoulders. It is fastened around chest by one strap, and around his body back of the fore legs by another. He has never missed a trip for about two years, or lost a letter. Now when the stage comes in, he gets up, stretches himself, walks to the post-office, waits for the mail strapped on him, and starts off as soon as he is told all is ready. He will go a long way around to a meeting a stranger, seeming to realize the importance of his mission."

PRICES: We can supply Puppies the year round, ten to twelve weeks old, from our costly imported stock at the low price of \$10.00 each, or \$17.00 per pair, mated, no akin. These prices are so very reasonable as to be within the reach of all. We guarantee safe arrival at your nearest express office.

IMPORTED DOG "DON"
DRAWN FROM NATURE



1897

THE BEST OF ALL LETTUCES "CALIFORNIA" ALL HEART



NEW PEACOCK PANSY
PKT. 40¢ 3PKTS. \$1.00.



NO PRAISE TOO HIGH FOR ITS MERITS,
AS ITS SUPERIOR DOES NOT EXIST.
PKT 15¢ 2 PKTS 25¢ OZ 40¢ ¼ lb. \$1.00.

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The most
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THE LARGEST & FINEST OF
ALL IN QUALITY

PKT, 20¢ 3 PKTS, 50
7 PKTS \$1.00.

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