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6261
PETER HENDERSON & Co's
MANUAL OF
EVERYTHING
FOR THE
GARDEN

Customers ordering
making out their orders

339

35 & 37 CORTLANDT ST.
NEW YORK

Alphabetical Index.

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**The most satisfactory new Vegetables which we offer
this season we think will be found to be our**

New Bush Lima Bean,

See page 6, and the

New Yosemite Mammoth Wax Bean,

See page 8.

PETER HENDERSON & Co.

PETER HENDERSON & CO.

in
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v a

ORDER SHEET FOR SEEDS, ETC.

PETER HENDERSON & CO., 35 & 37 Cortlandt St., New York.

Forward to:

Name of Person

Enclosed is Cash,

\$

“ *Post Office* ”

“ *Draft, \$* ”

“ **Express Office** (if different from P.O.) ”

“ **Post Office Order, \$** ”

Please do not write here—this space is for Mr.

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✻ 1889. ✻

AGAIN we present our Manual of "Everything for the Garden," and, in doing so, wish first to express our appreciation of the very liberal share of patronage that has been extended to us the past season, and to assure our customers that with our increased facilities we are now in a better position than ever before to execute all orders in the prompt, accurate and liberal manner that has always characterized our house.

100,000 bushels. (See heading.) In addition to this, we have made extensive structural alterations and improvements in our Stores and Green-houses, which make our entire "plant" the largest and most complete on this continent. (See heading.)

A New System of Packing.—This great departure is the natural outcome of complaints, which come from buyers in all sections of the country, of excessive express charges, particularly on small orders of seeds. Heretofore the universal practice has been to pack in wooden boxes, which alone weighed from 5 lbs. to 30 lbs. By our new method we use strong light baskets, weighing scarcely 1 lb.

This will effect a saving to our customers of one-half the express charges in many cases. In packing seed orders we line the baskets with oiled paper, and use waterproof canvas covers, thus insuring their arrival in perfect condition. Of course, all orders cannot be packed in this way, but, wherever practicable, the baskets will be used.

Besides its costing much less expressage, another advantage of our basket mode of packing is that it can be conveniently carried by the handle from the express office or depot, while a box could not.

Our Catalogue Cover this year is illustrated so as to show on the *front* the coloring in Autumn of the *Ampelopsis Veitchii*, or "Boston Ivy." It is difficult to imagine a more gorgeous coloring than this shows in the Fall, when it has grown to a height of 50 or 60 feet. On the same page we show a

r, although Seeds and Plants are sent in the same package, when desired, it greatly helps us if orders are made it on separate sheets.

PETER HENDERSON & CO.

[illegible]

group of *English Hollyhocks*, representing a few of the colors, but of these we have a dozen distinct shades. The back page of cover we devote this year to Fruits, illustrating, as we believe, the "*Cream of the Hardy Grapes and Strawberries*." By reference to Catalogue Index, full descriptions and prices will be found at the pages indicated.

Novelties in Seeds.—We have ever used the greatest discrimination in the introduction of Novelties, invariably testing all such before offering for sale. As evidence of our scrupulous care in this regard, we would point to the following standard sorts, which have been introduced by us in years past:

HENDERSON'S NEW BUSH LIMA BEAN.

Copyright, 1888, by Peter Henderson & Co.

Early Summer Cabbage, Mikado Tomato, Early Snowball Cauliflower, Early Hackensack Melon, White Plum Celery, Palmetto Asparagus, Black-Eyed Wax Bean, and, later, the *Early Puritan Potato, Succession Cabbage, Green and Gold Water Melon, Japanese Buckwheat, and Blue Beauty Pea*, all of which attained the front rank in popular favor at once.

Novelties for 1889.—HENDERSON'S NEW BUSH LIMA BEAN, the vegetable wonder of the century (for description, see page 6), naturally heads the list, but the following sterling acquisitions must not be overlooked: *Yosemite Mammoth Wax Bean, New Tomato the "Shah," Delmonico Musk Melon, Jonathan Pumpkin*, etc., all of which are illustrated and described in the succeeding pages.

\$100.00 in Prizes in 1889 for Plants of HENDERSON'S NEW BUSH LIMA BEAN producing the most pods. For conditions, please see page 3.

Flower Seed Department.—We offer in Flower Seeds a most complete and beautiful collection of the best strains of all annuals, biennials and perennials of merit. Our list also contains many rare and desirable Novelties. *Florists' Flowers*, such as *Calceolarias, Cinerarias, Cyclamens, Primulas, Pansies*, etc., we make a specialty of, and we venture to say that there are no choicer strains than those we offer in existence. We are continually testing seeds of these from the most celebrated growers in Europe, so that all that is choice and novel in this direction can always be obtained from us. A great many varieties will be put up in beautifully lithographed packets, showing the flowers in their natural colors.

Low Prices.—Henderson's Seeds have for years been the acknowledged standard of quality; yet a most casual comparison of prices with those of any reputable seed house will show that we sell as low as any, the immense quantities of all varieties we handle enabling us to do so.

Reduction in Postage.—The recent reduction of postage from 16 cts. to 8 cts. per lb. on Seeds and Plants enables us to give our customers the benefit of this saving.

Peter Henderson's Books, New Editions.—We would again invite attention to the new editions of Mr. Peter Henderson's books, "*Gardening for Profit*," "*Practical Floriculture*," and "*Gardening for Pleasure*," which were offered for the first time last year. These new editions have been very much enlarged, and contain the results of his added experience since the earlier editions were written, and are the acknowledged text books of American gardening. These new editions, as well as Mr. Henderson's other books, can be purchased outright, or obtained, as in previous years, as premiums on goods selected from this manual. For conditions by which these books may be obtained, see page 146.

Very Important.

Vegetable and Grass Seeds bought by consumers directly from us are now sent out in packages, which are sealed with our trade-mark label, shown in the accompanying illustrations. *We solicit your orders direct*, but, as it is sometimes more convenient to buy seeds of local dealers, and you have

a preference for ours, please ask for Seeds done up in our packages, *sealed with our red trade-mark label*. This will be positive proof to you that you are getting *Peter Henderson & Co.'s Tested Seeds*. This trade-mark label (which is of varying sizes) is printed on red paper with black ink, and, in most cases, is affixed over the lip of the bag or package. We began this practice of sealed packages in 1886, having been reluctantly forced to adopt it because of the many complaints that had been made to us by buyers, where unscrupulous dealers had foisted on them other seeds under the mantle of our hard-earned reputation. The fairness of selling seeds in this way is rapidly being acknowledged by dealers, many of whom now order seeds put up in our original packages, sealed with the red trade-mark label. That it should have taken so many years for us to find out that this was the safest way to send seeds out, only goes to show how mankind will for long periods run in the old ruts. If Pears' Soap or the Royal Baking Powder is demanded, and will only be accepted by the buyer in original packages, how much more important is it that Vegetable Seeds, on which time, labor and money is to be expended, should reach the consumer's hand in such shape that there can be no question as to their coming from the source they purport to emanate from. Hence we ask customers for our mutual protection to *see that all packages of Vegetable and Grass Seeds are sealed with our red trade-mark label*.

HOW AND WHEN TO ORDER.

This Catalogue is usually in the hands of our regular customers by January 10th, and it would greatly aid us in the execution of orders for Seeds if those intending to so favor us would forward their lists (made out on the **Order Sheet** that accompanies this Catalogue) as soon after its receipt as possible. Not only are early orders a relief to us, but very often, from various causes, we cannot always accurately judge the probable demand, particularly in new things, and in consequence we often run out of many articles long before the planting season has passed by. *The safe arrival of all Seeds and Plants is guaranteed.*

Postage on Seeds.—As we do a large local trade, in justice to those of our customers who buy at our counters, we have for several years based prices in this list on the purchaser adding postage when buying Seed in bulk to be sent by mail. The postage we exact is this: that when seeds are ordered to be mailed in quantities of $\frac{1}{2}$ lb. and upward, postage must be added to Catalogue prices at the rate of 8 cents per pound. As postage for Beans and Peas, please add 15 cents per quart; and to Corn, 10 cents per quart to Catalogue prices. But when ordered by the packet or ounce, or $\frac{1}{4}$ lb., either Vegetable or Flower Seeds will be sent by mail at Catalogue prices without extra charge.

About Forwarding and Remitting.—Every order is executed at once on its receipt, or a reason given why it has not been sent, so that parties ordering may know that if goods are not received in proper time, that it is almost certain that the letter has not been received by us. Remittances should be made either in the form of a *Money Order, Bank Draft, Express Order, or Registered Letter*. *Remittances in any other way are entirely at the sender's risk.*

PETER HENDERSON,
ALFRED HENDERSON,
CHARLES HENDERSON. }

Peter Henderson & Co.,

35 & 37 CORTLANDT STREET, NEW YORK.

NEW AND DESIRABLE VARIETIES IN VEGETABLE SEEDS

Read what we say about Postage on Seeds, page 4.

Varieties offered this Season for the first time are marked (Novelty 1889).

Cylinder Black Wax Bean.

(Novelty 1889.)

✦
We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.
✦

This is an improved stock of Black Wax, so superior to the ordinary strains as to be worthy of a new name. By a comparative test in our trial grounds, we proved beyond question that it was earlier than any other stock, was perfectly round podded, and of an even rich golden color. Enormously

productive. (See cut.)

Price, 40 cts. per pint; 60 cts. per qt.; \$4.00 per peck.

NEW LATE CABBAGE, "AUTUMN KING."

(Novelty 1889.)

✦
We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.
✦

We believe this to be the finest strain of Late Cabbage that has ever been offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than any other late sort, from the fact of its producing so few outer leaves and going all to head. (See cut.)

Price, 25 cts. per packet; 5 packets, \$1.00; \$1.50 per oz.

CYLINDER BLACK WAX BEAN.

New Cabbage, Midsummer Savoy.

The Savoy leaved Cabbages are of much finer quality than the smooth sorts, being almost as tender when cooked as Cauliflower. This is a distinct and useful sort, being but little later than the Dwarf Ulm Savoy, and producing heads of double the size. The heads are beautifully netted, of a delicate light green color.

Price, 20 cts. per packet; 75 cts. per oz.

MIDSUMMER SAVOY.

EXPRESS CABBAGE.

This new and very early cabbage, while not as large as the Jersey Wakefield, is four or five days earlier, and for a first early variety cannot be excelled. It resembles the Early Etampes in character and appearance, having solid, compact heads of conical form, of a yellowish green color, very desirable. The original introducers (Vilmorin-Andrieux & Co., Paris) refused an offer of \$5,000 for the exclusive privilege of offering this variety in America. Price, 15 cts. per packet; 40 cts. per oz.

EXPRESS CABBAGE.

A VEGETABLE WONDER!

HENDERSON'S NEW · BUSH · LIMA · BEAN.

(Novelty 1889.)

The Greatest Novelty of the 19th Century!

In the forty years that our house has been in existence, we have introduced many Novelties both in Vegetables and Flowers that have become landmarks in the progressive march of that period, but never have we had the honor of introducing a Novelty to compare with this. Thousands have been deterred from

cultivating the most delicious of Vegetables, the Lima Bean, from the great trouble and expense of procuring the unsightly poles which were required on which to grow them. This is now a thing of the past, as the Henderson's New Bush Lima grows without the aid of stakes or poles, in compact bush form, about 18 inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden Bush Beans. Henderson's New Bush Lima is at least two weeks earlier than any of the climbing Limas. This fact alone would stamp it as the most valuable novelty

of recent years, but when, in addition to this, we realize that it is a true **Bush Bean**, requiring no supports, some idea of its great value can be realized.

Henderson's Bush Lima produces a continuous crop from the time it comes into bearing (it is fit for the table in the latitude of New York, middle of July) until frost, and being enormously productive, a very small patch will keep a family supplied with this splendid vegetable through the season. The Beans are of the size of the Sieva or Small Lima, and of that delicious quality that has made the Southern Lima so famous. 12 packets will plant five rows, each fifty feet long, which is ample for an ordinary family.

Our stock of the **New Bush Lima** being quite limited this season, we have decided to offer it in packets only. Whether bought direct of us, or obtained through other seed houses, it should reach the purchaser sealed with our Trade Mark label, as the genuine **Bush Lima** is owned and controlled exclusively by us.

Price, per single packet, 25c. ; 5 packets for \$1.00 ; 12 packets for \$2.00.

12 packets will plant 5 rows, each 50 feet long, which is ample for an ordinary family.

TESTIMONIALS FROM EXPERTS who have grown Henderson's New Bush Lima Bean.

The Dwarf Lima Bean was a surprise indeed. Who would ever have thought it possible to transform the climbing, rampant-growing Lima Bean into a bush; but here it is before my eyes, a Bush Lima, loaded with pods, and that so early in the season as to remove one of the principal objections—their late ripening—to growing Lima Beans. This, combined with its independence from the troublesome and unsightly poles, must make this new vegetable wonder a welcome acquisition to every garden.—E. F. M. HEXAMER, Office "American Agriculturist," New York, Sept., 1888.

The New Bush Lima Bean is the greatest acquisition to the vegetable garden attained in this century. Growing exactly like the common String or Bush Bean, its simple culture is identical. It will find a place in thousands of gardens where the old climbing Bean is unknown, as not one cultivator in one hundred can go to the trouble and expense of the poles for the old Lima. In the Bush Lima we have not only a vegetable of the easiest culture, with a flavor equaling, if not surpassing, the pole Lima, but above all a Bean giving as heavy a crop, and beginning two weeks earlier.—PETER B. MEAD, Mamaroneck, Westchester Co., N. Y.

From the largest growers of beans in the world.

Your Bush Lima Bean, which we have tested very thoroughly this season, is a most valuable variety. It is strictly a bush bean, growing from 15 to 18 inches high, with no tendency to climb. Makes a wonderful profusion of pods, some single plants containing 100 good pods and the majority averaging from 50 to 75 pods per plant with ordinary field culture. The cooking qualities are unexcelled, if indeed they are equaled by the Pole Limas. We think this Bean is destined to become the most popular variety in the entire list.—N. B. KEENEY & SON, Le Roy, N. Y.

Copyrighted, 1888, by PETER HENDERSON & Co.

Having thoroughly tested your Lima Bean, I would say that I consider it a very great acquisition. It is a very heavy bearer and of good quality, and the advantage of growing without poles is apparent at once to all.—H. W. HALES, Ridgewood, N. J.

FOUR GRAND NOVELTIES

(AS SHOWN IN COLORED PLATE.)

We would invite special attention to our Colored Plate of Vegetables, which contains Four Novelties of sterling merit. Of these, **Henderson's Early Puritan Potato** and the **Dwarf Champion Tomato** were offered last season, and we received hundreds of flattering testimonials in regard to both. The **Yosemite Mammoth Wax Bean** and the **Delmonico Musk Melon** are entirely new, and never before offered, but have been critically tested, and are certain to delight all who try them.

YOSEMITE MAMMOTH WAX BEAN.

(Novelty 1889.)

The above name was suggested to us for this splendid new Bean on account of its enormous size. The pods, as shown in the colored plate, 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. The pods are a rich golden color, and are absolutely stringless, cooking tender and delicious. This is the coming Wax Bean for family or market purposes. It is enormously productive, as many as 50 of its monster pods having been counted on one bush. Price, 25 cts. per packet; 5 packets for \$1.00; 12 packets for \$2.00.

✦
We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.
✦

NEW MUSK MELON, "The Delmonico."

(Novelty 1889.)

We offer this variety as being the most delicious flavored Musk Melon ever introduced. Grown side by side with fifty other kinds last season, it was pronounced by connoisseurs to be the Melon *par excellence* both for appearance and quality. It is an oval-shaped Melon of large size, finely netted, and has beautiful orange-pink flesh, as shown in the colored plate, which, however, scarcely does justice to its rich, brilliant color.

Price, 25 cts. per packet; 5 packets for \$1.00.

✦
We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.
✦

NEW DWARF CHAMPION TOMATO.

(See Colored Plate.)

Another season's trial convinces us that this is one of the most distinct and valuable Tomatoes of recent introduction. It resembles no other variety, being of dwarf, stiff habit, so much so as to scarcely need any support. The foliage has a peculiar corrugated appearance, and is of a very dark green color. It is very early and wonderfully prolific. The fruit is of the rich shade of color shown in colored plate, and, while of medium size, is perfectly round and smooth, and contains so few seeds that it is really more "meaty" than many Tomatoes twice the size. The fact of the **Dwarf Champion** being such a shy seeder will make it a favorite sort for invalids, to whom Tomato seeds are frequently a positive injury. Price, 15 cts. per packet; 4 packets for 50 cts.; 9 packets for \$1.00.

HENDERSON'S EARLY PURITAN POTATO

(See Colored Plate.)

Probably no novelty ever received such a widespread and thorough trial the first year of its introduction as **Henderson's Early Puritan Potato**. Our sales of this variety last season aggregated nearly 1,000 barrels, most of which were sold in pecks and bushels, thus insuring a thorough test of its merits in all soils and climates. Hundreds of testimonials, and not a single bad report, confirm our opinion that it is the most valuable Potato that has been introduced since the Early Rose. The prevailing shape is shown in the plate, and we consider its form to be a distinctive feature, because all other valuable early sorts that are white belong to the same order as the Snowflake—that is, they are flat in form, so that the shape of **Henderson's Early Puritan** cannot be excelled. The skin and flesh are very white, it cooks dry and floury, and is equal in quality to that of the Snowflake, than which there can be no higher standard to compare by. But the chief value of **Henderson's Early Puritan Potato** lies in its great productiveness; planted under exactly the same conditions, it has thus far yielded nearly double that of the Early Rose and the Beauty of Hebron. It possesses several other characteristics of value. It ripens as early as the Early Rose, but, unlike that variety, the tubers when half grown are wonderfully dry and fit for the table. The vines also are more vigorous than those of any early variety we are acquainted with, and are of an upright growth.

Price, by mail, 40c. per lb.; 3 lbs. for \$1. Price, at purchaser's expense, 30c. per lb.; \$1.25 per peck; \$4 per bushel; \$8 per barrel.

VEGETABLE NOVELTIES OFFERED BY
PETER HENDERSON & CO
35 & 37 Cortlandt St. New York.

SON'S EARLY
POTATO

DWARF
CHAMPION

TOMATO.

DELMONICO MUSK MELON

YOSEMITE MAMMOTH WAX BEAN.

HENDERSON'S SUCCESSION CABBAGE

WHEN we named the **Succession Cabbage** we thought it would succeed the **Early Summer** in maturing, but we have been surprised and pleased to find that dozens of our patrons report that it is just as early as the **Early Summer** and twice its size. While we have received these reports, we still believe that in most sections it will prove a few days later than the **Early Summer**, but its greater size and weight will render it more valuable. In about two acres of it that we had growing for seed purposes in November, 1886, and examined by three experts, it was pronounced to be the most perfect type of Cabbage they had ever seen; nearly every Cabbage was headed up, of a uniformly perfect shape, large and heavy. Although this variety will be largely grown to come in for midsummer use, it will also be most valuable as a fall or winter variety, as its firm, solid heads make it an excellent keeper.

Price, 20 cts. per packet; 6 packets for \$1.00; \$1.25 per ounce; \$4.00 per $\frac{1}{4}$ lb.; \$12.00 per lb.

CRESTON, IOWA, July 18th, 1888.

Please send me two ounces "Succession" Cabbage. It is certainly the finest I ever had, and the heads are a surprise to everybody; every one is uniform. I get 75 cts. per dozen for it against 40 cts. for other sorts. Your Jersey Wakefield, too, also Snowball Cauliflower, were the best ever seen in this market.

THOS. HALL.

POUGHKEEPSIE, N. Y., October 1st, 1888.

I have great pleasure in sending you two heads of your "Suc-

cession" Cabbage. My neighbors all say that I have the finest patch of cabbage they ever saw, and it far surpasses anything I have seen in twenty years' experience in gardening.

C. E. YOUNG.

WHITE SULPHUR SPRINGS, W. VA., August 16th, 1888.

Without exception I believe "Succession" to be the best summer cabbage grown; every plant was uniform.

THOMAS PATTERSON.

THE BOUQUET CELERY.

This is not a new variety, but one of those really good things that have been overlooked. It belongs to the same class as the Golden Dwarf, being equally solid and fine quality, with the addition of having beautifully curled or fringed foliage, which renders it the most novel and showy of Celeries. It makes a most beautiful table ornament, having the appearance of a foliage bouquet; hence the name. Unsurpassed in flavor. (See cut.) Price, 20 cts. per pkt.; 6 pkts. for \$1.00; per oz., \$1.50.

Onion, New Mammoth Pompeii.

This is a very fine Italian variety, rivaling the large Silver King or Giant White Garganus in weight. It has been known to produce onions weighing 4 to 5 lbs. each. The skin is a delicate red, the flesh is close grained and nearly white. It is of a very mild flavor, and in sections where onions can be sown during autumn, this variety, if transplanted in April, will attain a larger size than any variety we know of. Price, 10 cts. per pkt.; 30 cts. per oz.; per $\frac{1}{4}$ lb. \$1.00; \$3.00 per lb.

WHITE BUNCH ONION.

In looking over our Onion trials last summer, our attention was attracted to a very handsome white onion, which we have illustrated here. It is of vigorous habit, and produces large, showy onions of fine quality. This is not a good-keeping variety, but for bunching for sale or using in the green state it cannot be surpassed. (See cut.) 15 cts. per pkt.; 40 cts. per oz.; per $\frac{1}{4}$ lb. \$1.25; \$4.50 per lb.

THE BOUQUET CELERY.

New Adriatic Barletta Onion.

This is a very early, small, pure white variety. The onions have a very delicate silver skin, and the flesh is as firm and as mild in flavor as any sort known to us. But its great merit over all others is its extreme earliness. When we mention that in our trial grounds last season it came ahead of the new "Queen" by three to four weeks, this alone will stamp it as a very desirable acquisition to our list of onions. For pickling purposes we consider this variety to be unexcelled.

Price, 15 cts. per pkt.;
50 cts. per oz.;
\$2.00 per $\frac{1}{4}$ lb.;
\$6.00 per lb.

WHITE BUNCH ONION.

NEW "JONATHAN" PUMPKIN.

(Novelty 1889.)

A small quantity of this variety was sent us two years ago for trial;

part of the sample was placed in our trial grounds, and part with one of our most experienced and intelligent growers of vine seeds. Our opinion and that of our grower was that it is one of the finest varieties ever introduced. It is a good keeper, of large size, very prolific and wonderfully smooth and even fleshed, being completely free from that coarse stringiness which most varieties have. Very sweet; the finest of all varieties for pies. The cut gives an excellent idea of its character. (See cut.)

Price, per pkt., 15 cts.; 8 pkts. for \$1.00.

✦
We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.
✦

NEW RADISH, "RED ROCKET."

New Radish,

"Red Rocket."

(NOVELTY 1889.)

This is one of the most showy Radishes ever offered. It is olive shaped and of a brilliant scarlet color. It is very early, small topped and rarely exceeds that happy medium of size so desirable in a radish of this character. Valuable for forcing. Out of a dozen new strains of Radishes which we tested last summer, the "Red Rocket" was decidedly the best in appearance, quality and earliness. (See cut.)

Price, 10 cts. per pkt.;
20 cts. per oz.; 60 cts. per
 $\frac{1}{4}$ lb.; \$2.00 per lb.

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PETER HENDERSON & CO 1888

RED CLUSTER PEPPER.

This is a new type of the Chili Red, bearing a profusion of red clusters of peppers in an upright position. It forms a small compact plant about a foot high, and when the peppers are matured presents a very ornamental appearance, and is worthy of a place in the flower garden. Both peppers and leaves are small and thin, and so great is its productiveness, that a single plant has been known to produce as many as 1,000 peppers, which are very pungent in flavor. Price, 15 cts. per pkt.; 4 pkts. for 50 cts.

Squash, Bay State.

The excellent features of this variety are its extreme solidity, heavy weight, fineness and dryness of grain, and sweetness of flavor. It appears a trifle earlier than the "Essex Hybrid," the crop averaging smaller in size and more in number, making the productiveness in weight about the same. It also possesses an extremely hard, flinty shell, thus giving assurance of being 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. This feature renders it especially valuable in markets where the demand is for a green winter squash; the flesh, however, is of a beautiful bright golden yellow, very handsome and attractive in appearance, and exceedingly sweet and tender in quality. Price, 10 cts. per pkt.; 40 cts. per oz.

IMPROVED MAMMOTH

Sandwich Island Salsify.

(Oyster Plant.)

A new and improved type of this excellent vegetable. It produces roots of nearly double the size and weight of the old variety, and of equally good quality. Although of recent introduction, it has been extensively grown for the markets of many of the large cities, and in such instances has entirely superseded the old sort. (See cut.)

Price, 15 cts. pkt.; 75 cts. oz.; \$2.00 1/4 lb.; \$6.00 lb.

Henderson's Golden Custard Squash.

(Novelty 1889.)

The cut conveys a very good idea of this valuable new variety, which exceeds in size any of the scalloped edged sorts, frequently attaining a diameter of 2 feet. The color is a dark rich golden yellow, and for quality cannot be excelled. It grows in bush form as shown in cut and is wonderfully productive. (See cut.)

Price, 30 cts. per packet; 4 packets for \$1.00.

✦
We exclusively
control this Novelty
this season. Every
package of the genuine is
sealed with our Trade
Mark Label. Any seed
offered not so sealed
is spurious.
✦

Burpee's Bread-Stone Turnip.

The illustration shows the shape of these Turnips; they are of medium size, very quick growing, and the roots are very smooth and white with a faint green top. The flesh is perfectly white, fine grained and cooks in only fifteen minutes, remarkably tender, very sweet; it is the finest Turnip for winter and spring use we have ever seen. The grower says: "Cooks very tender and fine grained, sweet enough and without the strong odor and flavor so very objectionable. My wife says it cooks so very quickly that care is needed that it be not spoiled by overcooking. It cooks done in about the time required for a potato. It is good when harvested in the fall, but its comparative merits do not fully show up until spring, when other varieties grow pithy, strong and uneatable."

Price, 10 cts. per pkt.; 25 cts. per oz.; 75 cts. per 1/4 lb.; \$2.50 per lb.

COPYRIGHTED BY WATLEE BURPEE'S PHILA

New Golden Tomato, "The Shah."

(Novelty 1889.)

When we state that "The Shah" is a sport from the celebrated red variety, the "Mikado," which we introduced three years ago, all lovers of a good tomato will be interested at once. It is identical with the Mikado 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 a table. (See cut.) Per packet, 25 cts.; 5 packets for \$1.00.

We exclusively control this Novelty this season. Every package of the genuine is sealed with our Trade Mark Label. Any seed offered not so sealed is spurious.

NEW GOLDEN TOMATO, "THE SHAH."

✦ The Lorillard Tomato. ✦

This is pre-eminently a forcing variety, as the following quotation from the 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."

Besides being the finest variety for forcing, we are assured by the originator (Mr. John G. Gardner, Jobstown, N. J.,) that it is of superior quality for out-of-door culture. It is said to be very early, very prolific, and possesses peculiar rot-resisting properties, while its extreme solidity and handsome appearance will commend it alike to shippers and market gardeners. (See cut.) Per packet, 25 cts.

NEW TOMATO, "Volunteer."

One of the most valuable new varieties. It is of large size, very smooth, and without any hard core or centre. The color is the most desirable that can be had in a Tomato—that is, a dark rich shade of scarlet crimson. Very early and an abundant bearer.

A grand sort for either family or market use.

Per packet, 15 cts.; 8 packets for \$1.00.

✦ KALE, ✦

Half-Dwarf-Fringed.

The great value of Kale for "Early Spring Greens" is now becoming well known. Tons of seed are annually sown in the vicinity of Norfolk and other trucking districts, principally of the dwarf green curled variety. This sort is likely to prove of even more value, as it is just as curly and tender, and from its upright habit, can be grown closer together. It is said to be earlier than the Dwarf Green Curled Scotch, which will be a decided advantage.

Price, 15 cts. per pkt.; 50 cts. per oz.

Palmetto Asparagus.

PALMETTO ASPARAGUS.

We first offered this new Asparagus in 1886, and so far have each season been unable to supply the demand both for seeds and roots, and would therefore suggest that orders for the roots especially be sent in as early as possible, even should it be more convenient to have them shipped later on. Until we found this new Palmetto Asparagus, Conover's Colossal had always been the leading sort, and justly so; but when we state that the Palmetto is not only much earlier, but is also a better yielder, and is more even and regular in its growth, it will be seen, we think, that it must eventually supplant the old favorite. We received several bunches of Palmetto Asparagus March 30, 1887, from Mr. NIX, who first drew our attention to the variety, and who sold a large quantity, of which these were a part, for 50 cents per pound. The average bunch contained fifteen shoots, measuring $13\frac{1}{2}$ inches in circumference, and weighing two pounds. The Palmetto has now been planted in all parts of the country, and the reports we have indicate that it is equally well adapted for all sections North and South, although it was originally a variety of southern origin. Its quality is equal to that of either the Colossal or the Giant. (See cut.)

Price of Seed, 15 cts. per packet; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.00 per lb.
Price of Roots, \$2.00 per 100; \$15.00 per 1,000 (500 at 1,000 rate).

Low's Champion Bush Bean.

A very distinct and promising green bush variety, that one of our largest bean growers in New York State (Mr. Keeney) has a very high opinion of. It yields in the greatest abundance very white pods, somewhat resembling a Lima in shape, of good thickness, and never strings. It is very tender and of fine flavor, and equally well adapted for a snap or shell Bean. In our trials we found it a late Bean, coming in about the same time as the "Refugee." Price, 15 cts. per pint; 25 cts. per qt.; \$1.25 per peck; \$4.50 per bush.

EARLY GOLDEN CLUSTER WAX.

JERSEY EXTRA EARLY

LIMA BEAN.

We still think so highly of this variety, that we retain it among "Vegetable Seeds of Special Merit." In our experience with it from year to year, we have found it invariably ten days to two weeks earlier than any other sort. The pods of it have been large enough to pick July 24th, and have been sold in the New York markets a week later at the rate of \$3.00 per bushel (of pods). In size and appearance it is about the same as the Large White Lima, and is of equally good quality. (See cut.)

Price, 45 cts. per pint; 80 cts. per qt.; \$5.00 per peck; \$18.00 per bush.

JERSEY EXTRA EARLY LIMA BEAN.

EARLY GOLDEN CLUSTER

Wax Pole Bean.

This is certainly a most distinct variety, and from what we have seen and can learn, it certainly in earliness leads all other pole varieties—in fact, it is only about a week later than the Golden Wax Bush Bean, which, as all know, is an early variety. The EARLY GOLDEN CLUSTER begins to bear early in July and continues until frost. The pods are from six to eight inches long, and are borne in clusters of from three to six, and are most freely produced. The pods are of a beautiful golden yellow color, and the flavor is most delicious. This variety can be used either shelled or as a string bean. (See cut.)

Price, 15 cts. per packet; 8 packets for \$1.00; 40 cts. per pint; 60 cts. per qt.; \$4.50 per peck; \$16.00 per bush.

BLACK-EYED WAX BUSH BEAN.

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1886
PETER HENDERSON & CO.

BLACK-EYED WAX BUSH BEAN.

Although introduced by us only two years ago, this distinct and valuable variety has already made a most favorable impression. It is a cross between the Black Wax and the Golden Wax Beans, and in our trials we found it to be the earliest Wax variety in cultivation. It is a robust grower, very productive, very tender, and of exceptionally fine flavor. The pods closely resemble those of the Black Wax, the seed beans being white, marked around the eye with black spots, such as are shown in the illustration.

Price, 20 cts. per pint.
35 " " quart.
\$1.80 " peck.
7.00 " bush.

WARDWELL'S DWARF KIDNEY WAX BEAN.

WARDWELL'S DWARF KIDNEY WAX BEAN.

This variety is very hardy, and both pod and plants are more

robust than usual for a Wax bean. The shape of the beans is distinct from all other Wax varieties, being of a perfect kidney shape. It produces a heavy crop of purely Wax pods, which are very long, flat, showy, and not liable to rust or blister. It has been claimed that this variety was earlier than any other, but it is generally admitted that while certainly early it is not so early by several days as Henderson's Black Eyed Wax, which we introduced two years ago. (See cut.)

Price, 20 cts. per pint; 35 cts. per quart; \$1.80 per peck; \$7.00 per bushel.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD CABBAGE.

The merits and characteristics of the **Early Jersey Wakefield Cabbage** are now so well known as to hardly need repeating here; still as our Catalogue annually falls into the hands of thousands who have not before seen it, we may state that it is universally considered the best early Cabbage in cultivation. Among its merits may be mentioned its large size of head, small outside foliage, and its uniformity in producing a crop. The heads are pyramidal in shape, having a blunted or rounded peak. The true **Wakefield Cabbage** is always a shy seeder, and, as a consequence, the seed is always higher in price than most other kinds. This variety was first brought into general notice by our Mr. Peter Henderson in his book, "Gardening for Profit," when it was first published twenty years ago. (See cut.) Price, 10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD CABBAGE.

to the acre. Another excellent quality of the **Early Summer Cabbage** is that it keeps longer without bursting open after heading than any variety we know of. We would, however, caution those of our customers who intend to grow it in cold frames to winter over, to sow it at least ten days later than the Wakefield or other early varieties, as it has a tendency to run to seed if sown at the dates suitable for other early sorts.

Price, 10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

Henderson's Early Summer Cabbage.

This peerless Cabbage was named and first offered for sale by us in 1874, and every year since we have used the utmost care in the selection of heads for seed purposes, and have so improved the variety that to-day we are selling a far better strain of the **Early Summer** than we sent out in the year of its introduction. **Henderson's Early Summer** is about ten days later than the Jersey Wakefield, but being of over double the size, it may be classed as the *best large early Cabbage*. In weight it is equal to most of the late varieties, and its short outer leaves enable it to be planted nearly as close as the Jersey Wakefield, about 12,000 to the acre, while the Early Flat Dutch, Winningstadt, etc., producing no larger heads, can only be grown at the rate of 8,000

HENDERSON'S EARLY SUMMER CABBAGE.

* Henderson's Early Snowball Cauliflower. *

The Earliest. The Surest Header. The Most Profitable.

THE BEST VARIETY FOR EITHER MARKET OR FAMILY GARDENS.

WHETHER intended for private use or to be grown for market, **Henderson's Early Snowball Cauliflower** is superior to all others. **First**, because it is the **earliest of all Cauliflowers**, as has been conclusively shown season after season, since we first made its merits known; **second**, because under the conditions of an ordinarily favorable season, nearly every plant will form a perfect snow-white head, averaging nine inches in diameter; **third**, for the reason that its close-growing, compact habit enables one-third more to be planted on the same space of ground than can be done with any other variety.

For forcing under glass during winter and spring, this **Early Snowball** variety is peculiarly well adapted, from its dwarf growth and short outer leaves, and for this purpose no other Cauliflower is now so largely grown. It also does equally well for late planting.

THE CROPS IT HAS PRODUCED.

Henderson's Early Snowball Cauliflower has produced many a good crop since we first launched it upon the sea of popular favor, but it has also raised a crop of another kind, not originally contemplated by us. We refer to the swarm of hungry imitators who, devoid of both originality and fair business principles, have been tempted to offer various imitations of this famous variety. We caution our customers to *Beware* of these "imitations," for from the first year we offered it we have always controlled **Henderson's Early Snowball Cauliflower**, any statement to the contrary notwithstanding, and as we annually take all the growers raise, it follows that unless the seed is bought directly from us, or bought of other seedsmen in our printed packages, or in their packages sealed with our Trade-Mark Label, there is good reason to believe that you are not getting the genuine **Henderson's Early Snowball**. To show the extent that buyers of seeds are imposed upon by reckless and unscrupulous dealers, we print below a letter we received last spring from a customer. This letter is typical of hundreds we receive every season, not only in regard to **Henderson's Early Snowball Cauliflower**, but other of our specialties:

I am highly astonished about your Cauliflower (Henderson's Early Snowball) and I am sure this is the best kind in existence, no matter how loud and strong this and that seed-house is praising some other kinds, claiming them as the best in the world. By my own experience, I know Henderson's Early Snowball is far ahead of all others, and is not only the earliest but the surest heading Cauliflower, while other much lauded kinds were grand stuff for cow feed. In consideration of the very dry season your Cauliflower was extra good. The weight of one of the best samples was 7½ lbs.—A. KATZWINKEL, Market Gardener, Mendota, Ill., Feb. 10th, 1888.

Price, 25 cts. per pkt.; \$4.00 per oz. (¼ oz. at ounce rates.) \$14.00 per ¼ lb.

CAUTION.—To avoid any possibility of purchasers being misled, we wish further to say that we took the trouble five years ago to procure nearly a dozen samples of so-called Early Snowball Cauliflower, obtained from other seedsmen, which we tested in our Trial Grounds, and found that not one was true, and some grew nearly 3 feet high without any tendency to head whatever. The Trade-Mark Label referred to above we here reproduce, and customers who want to be sure they are getting **Henderson's Early Snowball Cauliflower** will be justified in rejecting any package tendered that does not bear it.

Henderson's • Intermediate • Red • Carrot.

A most excellent variety for either field or garden culture, as it produces a large growing, symmetrical root of a deep orange-red color; in size between the half long and long orange varieties. The roots grow very smooth and straight, and are singularly free from roughness. The tops are small, considering the size of the roots, and altogether it is a variety valuable alike for either the table or for feeding to stock. (See cut.) Price, 10 cts. per pkt.; 20 cts. per oz.; 40 cts. per ¼ lb.; \$1.25 per lb.

HENDERSON'S INTERMEDIATE RED CARROT.

Henderson's • White • Plume • Celery.

The Earliest, Handsomest and Easiest Grown.

HENDERSON'S WHITE PLUME CELERY.

To those who have never seen or grown **Henderson's White Plume Celery** we would state that the peculiarity of the variety is that *naturally* its stalk and portions of its inner leaves and heart are white, so that by closing the stalks, either by tying them up with matting or by simply drawing the soil up against the plant and pressing it together with the hands, and again drawing up the soil with the hoe or plow so as to keep the soil that has been squeezed against the Celery in its place, the work of blanching is completed; while it is well known that in all other kinds of Celery, in addition to this, the slow and troublesome process of "banking" or "earthing up" with a spade is necessary. Another great merit of the **White Plume** is that it far exceeds any known vegetable as an ornament for the table, the inner leaves being disposed somewhat like an ostrich feather, so as to suggest the name we have given it of **White Plume**. We have also discovered the past season, in more extended trials, that besides the above advantages it is undoubtedly the *earliest* Celery in cultivation. So that when we add to all these valuable characteristics that its eating qualities are equal to the very best of the older sorts, being crisp, solid, and possessing a rich nutty flavor, it is but little wonder that the **White Plume Celery** should have secured in so short a time a permanent place in cultivation. We wish to say, however, that this variety never whitens in a young state, and usually only begins to show its self-blanching character when the growth begins in the cool weather. We make this statement for the benefit of those who might naturally suppose that the whitening or blanching process would begin as soon as the plants were above ground. As all know, the great bugbear in the cultivation of Celery has been the labor entailed in banking to whiten or blanch it, and with the unskilled amateur growing a few hundred for private use the troublesome process of banking has usually been a sufficient hindrance to prevent him from trying. But with this new self-blanching sort he has something that he can grow just as easily as any other vegetable. When we first sent out the **White Plume Celery** in 1884 we imagined from its having the leaves and stems white that it would not keep in winter, and so stated; but further trial has shown that it keeps nearly as well as any of the other kinds.

The only way by which the purity and distinctive character of **HENDERSON'S WHITE PLUME CELERY** can be maintained is by using the utmost care in the selection of plants for seed purposes. If this is not done, experience has already shown that the variety will fall back to its original green state; therefore, the seed we offer, thus carefully selected, must not be compared with the cheaper strains now being offered of this variety. Prices, 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.50 lb.

TESTIMONIALS FROM CUSTOMERS.

I am willing to try anything new in the Celery line, but here in the west, or, in fact, wherever I send my goods to market, the cry is for "White Plume," and they will be satisfied with nothing else, and I take it this is the supreme test. Of course you and I know that White Plume is an excellent eating Celery when well grown; this, together with its fine appearance when prepared for the table, is the reason why it is wanted. I shall continue growing it to the exclusion of every other sort.—M. HARMON.

TECUMSEH, MICH., Dec. 1st, 1886.

You will remember I purchased from you last spring $1\frac{1}{2}$ pounds of White Plume Celery seed. It was good and produced a beautiful crop—finer was never seen nor tasted by man, was the universal verdict.

H. L. STEWART.

"My White Plume Celery took first premium. I now have in cellar fifty or sixty nice heads of it; I have also 'self-blanching,' but the flavor of White Plume is far superior to any other we ever had."

A. F. TIFFANY, Owego, N. Y.

JACKSON, MICH., Nov. 30th, 1887.

I find your White Plume Celery the best I ever saw. It is the most tender and the finest flavored variety I have ever used.

CALHOUN, KY., Feb'y 9th, 1887.

JOHN W. MOSELEY.

BRIDGEPORT, OHIO, Jan. 24th, 1887.

I find your seed the very best in the market. I received first premium on your Snowball Cauliflower and White Plume Celery—twelve premiums in all on your seed—at the West Virginia State Fair and Exposition at Wheeling. Ed. W. REID.

HENDERSON'S NEW ROSE CELERY.

It is a curious fact that although the English, particularly the London markets, demand nine-tenths of all their Celery to be red, crimson or rose color, our American markets so far almost ignore the red Celeries, demanding nothing but the white. We find, however, that our sales for seeds and plants of the rose or red Celeries are yearly increasing, as the people begin to understand that they are better in many respects than the white, being more solid, hence keeping better in winter and having to a greater degree than any of the white that nutty flavor so desirable in Celery. In our opinion they are equally ornamental on the table, the delicate tracing of carmine blending with the white in the blanched stalks. We have grown almost every red Celery offered, and consider **Henderson's New Rose** as being the most desirable of its class, possessing every requisite good quality. Price, 10 cts. per pkt.; 40 cts. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

GOLDEN SELF-BLANCHING CELERY.

A most valuable variety which partakes somewhat of the character of the celebrated "White Plume," inasmuch as it does not require such high "banking up" as the ordinary sorts to be fit for the table. It simply needs a slight earthing up or "handling," as shown in the engraving. It is of a beautiful waxy golden color, very solid and of rich nutty flavor. (See cut.) Price, 15 cts. per pkt.; 8 packets for \$1.00.

GOLDEN SELF-BLANCHING CELERY.

Henderson's Green *and* Gold Water Melon

(SHOWN BY COLORED PLATE IN 1888 CATALOGUE).

This beautiful variety, introduced by us last season, has stepped into public favor at once. The Melons are of good size, ranging from 25 to 45 lbs. in weight. It is the largest early variety in cultivation, and its productiveness is equal to any of the red-fleshed sorts, while in delicious flavor it surpasses them all. The rind is the thinnest of any Melon we have ever seen, the white being only from $\frac{3}{8}$ to $\frac{1}{2}$ inch in thickness. The flesh is a beautiful golden-orange color, free from any tinge of white or other color even immediately around the seeds. The flesh is beautifully granular in appearance, juicy and sweet, and, as we have already stated, of unequalled flavor.

The gentleman in Georgia from whom we procured this distinct variety wrote us under date of July 8th, 1887, that he had almost despaired of being able to send us specimens of this variety, for although there were acres upon acres of Melons of all kinds in his vicinity, the colored citizens had discovered the vastly superior qualities of the **Green and Gold**, and had raided the patch to such an extent that it was only by being obliged to make an example of one of them by peppering him with bird-shot that he was able to save the remnant of his crop. When our customers taste this delicious Melon they will be able to appreciate the discriminating taste of the sable citizen who took such risks to get at this, the choicest type of his favorite fruit. Independent of the delicious flavor of the **Green and Gold Water Melon**, its rich golden color will make it most desirable as an ornament for the table, especially if its golden slices are arranged in contrast with the crimson of the older sorts. (See cut.) Price, 15 cts. per pkt.; 8 pkts. for \$1.00; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb. \$2.50 per lb.

NEW EARLY HACKENSACK MUSK MELON.

Near Hackensack, N. J., within a short distance of New York, the growing of Musk Melons is carried on to a large extent. It was in this section that the now famous Hackensack Musk Melon, which we were the first to distribute generally throughout the country, was originated. Five years ago a large melon grower at Hackensack called our attention to a selection or improvement which had been made, by which was obtained a melon almost equal in size to the Hackensack, and at least **ten days earlier**. Four years' thorough trial of this variety have proven it to be the best as well as the earliest of all the netted melons. In shape and color the **New EARLY Hackensack** is similar to the Hackensack, the only difference being its greater earliness. The melons weigh from four to ten pounds each, and are of delicious flavor. Price, 10 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

MUSK MELON, "EMERALD GEM."

EMERALD GEM MUSK MELON.

The Emerald Gem Musk Melon is certainly the most distinct and at the same time the most deliciously flavored Melon we ever came across. It is a very early and prolific variety, with a skin which, while it is ribbed, is perfectly smooth and of a deep emerald green color. The flesh, which is thicker than in most other melons, is of a suffused salmon color, exceedingly sweet and delicious; in fact, the variety is so thick meated that it yields but little seed. Those seeking a Musk Melon for quality alone will find all they are looking for in the Emerald Gem. (See cut.) Price, 10 cts. per packet; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

NEW EARLY HACKENSACK MUSK MELON.

* Henderson's First of All Pea. *

THE BEST EXTRA EARLY EVER OFFERED.

ANOTHER year's trial shows that this variety is still unequaled for earliness, yield, size of pod and regularity of growth. It is fully six inches dwarfer than the Improved Daniel O'Rourke, First and Best, or Philadelphia Extra Early, and produces pods of good size, which are well filled with round, smooth, white peas of splendid flavor. It is a prodigious bearer, and ripens up so evenly as not to require more than two pickings to clear off the crop, and in this last feature and in its extreme earliness consist its great value to market gardeners and truckers. At the same time we know of no other variety that is more popular than Henderson's First of All in private gardens. This variety is sent out only in sealed packages and bags.

EXTRA EARLY PEA—HENDERSON'S FIRST OF ALL.

Price, 15 cts. per pint; 25 cts. per quart; \$1.50 per peck; \$5.00 per bushel.

LOWELLVILLE, Ohio, Feb. 24th, 1888.

I cannot praise your First of All Peas enough—indeed, they were first, last and all the time with us. While others suffered with the drought, these matured so quickly they had not time to dry up.

SARAH E. PEARSON.

NORTH ADAMS, Mass., July 8th, 1887.

I wish to say a word in regard to Henderson's First of All Pea. My gardener planted ten rows each of the First of All and the Alaska. The First of All was all harvested July 6th, before the Alaska was fit to pick. The Alaska claims to be the earliest. The peas were planted on new land and yielded abundantly.

ARTHUR H. DARLING.

STOCKHOLM, Sweden, February 1st, 1887.

We have grown Henderson's First of All Pea on three of our farms, in the south, middle and north of Sweden, and it is really astonishing that the climate of the north—sixty-two degrees north latitude—seems to suit it best. We grew this pea on trial last year and got a very fine crop indeed.

SELLBERG & Co.

I was a little disappointed in your seeds. I made allowance for some bad seed, but there was none. Consequently most of my seed came too thick. I have some Peas that are the "First of All" of any in the county.

JOHN B. SMITH,

Market Gardener, 160 So. Maple St., Cleveland, O.

The New American Seedling Potato, "Rural New Yorker No. 2"

This potato, now first offered, originated several years ago 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, and rather flattened; 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. It will be noticed from the above that several valuable features are claimed for this new potato.

1st.—Distinct Appearance. Any one who has noticed its peculiar beauty will never fail to recognize it among a thousand. The young sprouts are purple tipped, which adds to its unique and distinct features. 2d.—Large Size and Unusual Smoothness. 3d.—Eyes Few, distinct and shallow, so much so that ordinary paring leaves no depression to be afterwards cleaned. 4th.—Its Form is that which is the most approved by all potato lovers. 5th.—Extreme Whiteness of both skin and flesh, and Unexcelled Table Quality. 6th.—Great Vigor in growth and solidity of tuber, enabling it to resist disease in a remarkable degree. Lastly, Uniformity of Size.

Price, \$15.00 per bbl.; \$7.00 per bush.; \$4.00 per half bush.; \$2.50 per peck; \$1.50 per half peck; 50 cts. per lb. By mail, postpaid, 60 cts. per lb.; \$1.50 for 3 lbs.

WHITE VELVET OKRA.

The plant of this new Okra, from which our engraving was made, was exhibited at the Gladiolus Exhibition, held at our stores August, 1887, and attracted much attention. Those familiar with the Okras were much struck by its distinct appearance. The pods of the White Velvet Okra are round and smooth; in all other varieties they are ridged or square edged. Besides this, the pods are much larger than those of any other Okra, are never prickly to the touch, and are produced in the greatest abundance. (See cut.) Price, 10 cts. per packet; 25 cts. per oz.; 75 cts. per 1/4 lb.; \$2.50 per lb.

WHITE VELVET OKRA.

New Dwarf Pea, "Blue Beauty"

Blue Beauty Pea is somewhat difficult to describe; or at least convey an idea of its distinctive feature—that is, its *unusually smooth, level and regular habit of growth.*

With us in garden trials it grew everywhere in the row to a uniform height of 18 inches, and was so smooth and level in its growth that it resembled a well kept hedge. It is a blue, round pea, and is nearly as early as the American Wonder. The pods, of medium size, are borne in the greatest profusion, and are well filled for so early a Pea. In quality and flavor Blue Beauty cannot be surpassed; every one who tries this distinct and fine Pea this season will verify this opinion. (See cut.)

Price, 30 cts. per pint; 50 cts. per qt.; \$3.00 per peck.

NEW EGG PLANT SQUASH.

This is so named from its peculiar fitness for cooking like the egg plant; not only is it delicious when fried, but it bears a further resemblance to the egg plant in its shape, as a glance at the cut will show. It is a very early bush variety with white flesh; when young the rind is mottled gray, turning to a buff color when ripe. To all who like Egg Plant we recommend this as a substitute, as it is identical in flavor and appearance when prepared for the table. It is much hardier and is easier grown. (See cut.) Price, 10 cts. per pkt.; 25 cts. per oz.; 75 cts. per $\frac{1}{4}$ lb.; \$2.50 per lb.

Your Egg Plant Squash, which I planted in my trial ground, is a success in the far North-west. I have five hills from the little packet of seed, which are loaded; many of them at this writing are 12 to 15 inches in length and 6 to 8 in diameter.—O. H. WILL, Bismarck, D. T., August 4th, 1887.

THE MIKADO TOMATO.

THE LARGEST EARLY VARIETY IN CULTIVATION.

We named and introduced the Mikado Tomato in 1886, and seldom has any novelty in so short a time created such a *furore* in gardening circles; certainly no more distinct or valuable Tomato has ever been introduced. One of the most remarkable features about this variety is the fact that, notwithstanding that it produces perhaps the largest fruit of any sort in cultivation, it is at the same time one of the very earliest to ripen; generally we find that we secure earliness at the expense of size, but the Mikado Tomato seemingly reverses the rule. The Mikado differs from all other Tomatoes in its immense size (the cut we show being not more than one-half the average size), and the Tomatoes are produced in immense clusters, are perfectly solid, generally smooth, but sometimes irregular. The color is purplish red, like that of the Acme, while the variety has all the solidity that characterizes the Trophy. It is not unusual for single fruits of this variety to weigh from 1 to $1\frac{1}{2}$ lbs. each. The foliage of the Mikado Tomato alone shows the distinctiveness of the variety, for it is whole or entire, while in all other varieties the leaves are cut or serrated. Whether for slicing or for cooking purposes, the variety is unsurpassed. (See cut.)

Price, 10c. pkt.; 40c. oz.;
\$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

Extra Early Green Prolific Cucumber.

A new strain of Cucumber, almost the same as a good stock of Green Prolific Cucumber, but which is from ten days to two weeks earlier, and which has proved its earliness

in tests made in the past two years. Those who wish an early strain of the Green Prolific, or who grow only for pickling, will find this to be something they have long desired. Price, 10 cts. per pkt.; 20 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per lb.

NEW EGG PLANT SQUASH.

MIKADO TOMATO ($\frac{1}{2}$ natural size).

General **VEGETABLE SEEDS** List of

FIRM THE SEED IN THE SOIL

THE FARM METHOD THE GARDEN METHOD

The following Extract from an Article by PETER HENDERSON strikes the key-note of success in planting either Vegetable, Flower Seeds or Plants:

We attach so much importance to this, that we will send Mr. Henderson's special pamphlet on the subject, called "The Use of the Feet in Seed Sowing," free on application to all purchasers.

POSTAGE must be added to Catalogue prices at the rate of 8 cts. per lb. when Seeds are ordered in quantities of half lb. and upward. Add postage for Beans and Peas at the rate of 15 cts. per quart, and to Corn 10 cts. per quart to Catalogue prices. (*See remarks, page 4.*)

Varieties in **heavy type** are such as we have found to be the best for general cultivation.

ARTICHOKE, Globe.

Sow in April in rich soil, and transplant the following spring to permanent beds, in rows (or hills) three feet apart, and two feet between the plants. The plantation the first season will only give a partial crop; but as it is a perennial, after being once planted, the beds will remain in bearing for years. It should be protected in winter by a covering of leaves or coarse manure.

ARTICHOKE, Jerusalem.

Strong tubers, 25 cts. per qt.; \$1.25 per peck; \$4.00 per bushel.
A 3 lb. package by mail for 75 cts.

German, *Spargel*.—French, *Asperge*.—Spanish, *Esparragos*.
1 oz. for 60 feet of drill.

The excellence of crops grown in my garden has been remarked by my neighbors, and I always attribute my success in growing vegetables to the germinating qualities of your seeds, and the fact that they are true to name. Several of my neighbors will order from you this season.—A. E. CRAVEN, Haddonfield, N. J., April 27th, 1888.

THE PALMETTO. (See Specialties, page 15.) 15 cts. per pkt.;
30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.00 per lb.

Asparagus Roots.

Colossal. Fine two-year-old roots at \$1.00 per 100; \$7.00 per 1,000.
(50 roots at 100 rate; 500 at 1,000 rate.)

BEANS, English or Broad.

This class is very hardy, and should be planted as soon as the soil is in good state in the spring. Plant four inches apart and two inches deep, in drills four feet apart. To insure well filled pods, pinch off the tops as soon as the lower pods begin to set.

Early Mazagan. Very early and hardy, and bears freely. 20 cts.
per pt.; 40 cts. per qt.

Copyright, 1888, By Peter Henderson & Co.

BEANS, Dwarf or Bush.

German, *Bohne*.—French, *Haricot*.—Spanish, *Frijolero*.

1 quart to 100 feet of drill; 2 bushels to the acre, in drills.

A succession of sowings can be made from the first week in May until September. These dates are for the latitude of New York; further south the sowing must be done earlier, further north later. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil, the closer they can be planted. The seeds should be dropped about two inches apart.

Add 15 cts. per qt. extra if to be sent by mail.

At the head of our list of Bush Beans, we naturally place **HENDERSON'S NEW BUSH LIMA**, a full description and large engraving of which will be found on page 7. No garden is complete without it. 12 pkts. (costing \$2.00) will keep an average sized family supplied with this most delicious of all vegetables all season. 25 cts. per packet.; 5 pkts. for \$1.00; 12 pkts. for \$2.00.

GREEN POD SORTS.

HENDERSON'S EARLIEST RED VALENTINE. This variety is at least 10 days earlier than the Early Red Valentine, and is usually ready to pick in 35 days from time of planting. On account of its great earliness it is largely grown by market gardeners, but except in the characteristic of extreme earliness, it differs in no other way from the Early Red Valentine next described. *By a competitive test made in 1887 by one of the highest authorities on the subject in this country, Henderson's Earliest Red Valentine was proven to be 10 days earlier than any other stock. Sold only in sealed packages. (See cut.)* 20 cts. pt.; 35 cts. qt.; \$1.75 peck; \$5.50 bush.

EARLY RED VALENTINE. Desirable for either market or family use, being early, productive, tender, and of excellent flavor. The pods are round, somewhat curled, and the seeds, when ripe, salmon speckled with purplish rose. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

EARLY MOHAWK. Very early and will stand more cold than most of the bush varieties. Both this and the preceding sort are largely grown in the Southern States for northern markets. The pods are from five to six inches long; the seeds, when ripe, drab with purple spots. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

LONG YELLOW SIX WEEKS. Early, very productive and of excellent quality. Pods often eighteen inches long. Seeds, when ripe, yellow or dun color. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Early Feejee. Very early and prolific. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

White Valentine. A very prolific bearer, and it has additional value in the bean itself being white, enabling it to be used as a shell bean. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

EMPEROR WILLIAM. Produces in great profusion large flat green pods, very early and of splendid quality. The largest podded of all the bush varieties. 25c. pt.; 40c. qt.; \$2.50 peck.

RHODE ISLAND DWARF CASEKNIFE. Of dwarf habit, and is a continual bearer during the summer months. It is also exceedingly early, and when young the beans are tender, and of very fine flavor. It is quite hardy, and will stand more change in temperature than almost any sort we know of. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

REFUGEE OR THOUSAND TO ONE. A very productive medium or late variety. The young pods are tender and of fine flavor. This variety is extensively grown for pickling. Seeds dull yellow speckled with purple. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

GALLEGA OR LARGE REFUGEE. Both the pods and seeds are larger than the Refugee variety, and it is also a better yielder. Seeds, when ripe, purple speckled with white. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Golden Refugee. Pods perfectly round, and of very light color. Seeds distinct in appearance from the old Refugee. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Large White Kidney. Excellent as a shell bean. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Early China. An old standard variety that is very early. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

French Etampes or English Canterbury. Distinct in appearance and growth. Exceedingly early and of delicate flavor. 20 cts. pt.; 35 cts. qt.; \$1.75 peck; \$4.50 bush.

Dwarf Horticultural. A bush variety of the well-known Horticultural Pole Bean. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Canadian Wonder. Very large pods, a good bearer. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

LOW'S CHAMPION. (See *Novelties*, page 15.) 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.50 bush.

WHITE MARROWFAT. The variety so extensively grown for sale in the dry state. It is also valued as a string bean. Seeds are ivory white. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

HENDERSON'S EARLIEST RED VALENTINE BEAN.

Perhaps I can give no better evidence of appreciation of your seeds than the continuance of my orders from year to year. I believe this is the fifteenth year I have returned to you for an annual supply. I am glad to patronize you once more. I have always found your seeds reliable.—C. P. GOODRICH, Morgan, Mich., March 13, '88.

WAX BEAN

YOSEMITE MAMMOTH

BEANS (Dwarf or Bush)—Continued.

WAX POD VARIETIES.

WARDWELL'S DWARF KIDNEY WAX.

(See *Novelties*, page 16.) 20 cts. pt.; 35 cts. qt.; \$1.80 peck; \$7.00 bushel.

CYLINDER BLACK WAX. (See *Novelties*, page 5.)

40 cts. pt.; 60 cts. qt.; \$4.00 peck.

YOSEMITE MAMMOTH WAX. (See *colored Plate and description*, page 8.)

25 cts. pkt.; 5 pkts. for \$1.00; 12 pkts. for \$2.00.

BLACK WAX.

When ripe the pods are yellow, averaging 7 inches in length, very tender and of the best quality. Seeds when ripe glossy black.

20 cts. pt.; 35 cts. qt.; \$1.50 peck; \$5.00 bush.

GOLDEN WAX.

A strong growing distinct variety, at least a week earlier than the Black Wax. The pods are long, brittle, and entirely stringless. As a snap bean it perhaps excels all others in tenderness and richness of flavor. Seeds when ripe purple and white. 20 cts. pt.; 35 cts. qt.; \$1.60 peck; \$6.00 bushel.

BLACK EYED WAX. (See *Novelties*, p. 16.)

20 cts. pt.; 35 cts. qt.; \$1.80 peck; \$7.00 bushel.

IVORY POD WAX.

A week later than the Black Wax, bearing long pods of a waxy white color, entirely stringless. Very tender, and an excellent shell bean. Beans ripe are of medium size, white and oval. 20 cts. pt.; 35 cts. qt.; \$1.60 peck; \$6 bush.

DATE WAX.

An early Wax variety (as early as Golden Wax) with white blossoms and flat pods. A very robust grower and good cropper. 20 cts. pt.; 35 cts. qt.; \$1.50 peck; \$5.00 bushel.

White Seeded Wax.

A variety with wax-like pods similar to the Black Wax, except in the color of the seed. 20c. pt.; 35c. qt.; \$1.75 peck; \$6.50 bushel.

Crystal White Wax.

Pods of fair size, rich and tender flavor; in color waxy white, and almost as transparent as glass. An excellent variety for canning purposes. 20c. pt.; 30c. qt.; \$1.75 peck; \$6.50 bushel.

DWARF MONT D'OR.

One of the earliest of the Wax varieties. The vines grow vigorously, and are profusely laden with yellow pods. 20 cts. pt.; 35 cts. qt.; \$1.50 peck; \$5.50 bushel.

FLAGEOLET WAX BEAN.

FLAGEOLET WAX. This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact that it is nearly always exempt from rust. The pods are of very large size, often a foot in length, exceedingly succulent and tender. It is an enormously productive variety. (See *cut.*) 20 cts. pt.; 35 cts. qt.; \$1.80 peck; \$7.00 bushel.

BEANS, Pole or Running.

German, *Stangen-Bohnen*.—French, *Haricot à Rames*.—Spanish, *Judias*.

1 qt. to 150 hills; 10 to 12 qts. to the acre in drills.

These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later. They succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep. As the matured bean is used mostly, the season is too short for succession crops in the North, though it is advantageous to plant succession crops in the Southern States, where the season of growth is often from March to November. Rough cedar or similar poles about seven or eight feet long should be used for Lima Beans to climb on, or, what is better still, White's Garden Trellis, described in another portion of this catalogue. They should be set in the ground at least 18 inches, so as to prevent being blown over.

Add 15c. per qt. extra if to be sent by mail.

EARLY GOLDEN CLUSTER WAX.

(See *Specialties*, p. 15.) 15 cts. pkt.; 8 pkts. for \$1.00; 40 cts. pt.; 60 cts. qt.; \$4.50 peck; \$16.00 bushel.

JERSEY EXTRA EARLY LIMA.

(See *Specialties*, p. 15.) 45 cts. pt.; 80 cts. qt.; \$5.00 peck; \$18.00 bushel.

LARGE WHITE LIMA.

With nearly every one the seeds, either green or ripe, of this variety, are considered the most tender and delicious of all the bean family, and it is therefore universally grown both for market and family use. The ripe seeds are a flattish kidney shape, and have a dull white color. 25 cts. pt.; 40 cts. qt.; \$2.75 peck; \$9 bush.

SMALL LIMA OR SIEVA.

A variety of the Large White Lima. The pods, however, are much smaller, usually about three inches long. It is a little earlier and more hardy. The seeds also are smaller, but of the same color as the Large White Lima. 25 cts. pt.; 40 cts. qt.; \$2.75 peck; \$9.00 bushel.

DREER'S IMPROVED LIMA.

The distinctive features of this are early maturity, large yield, and extra quality. The bean itself is thick and round rather

than oval shaped, as most of the other Limas are. 25 cts. pt.; 40 cts. qt.; \$2.75 peck; \$9.00 bushel.

Dutch Case-Knife.

A very productive variety, and one of the earliest; sometimes used as "snaps," but generally shelled. Next to the Limas the best market sort. 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bushel.

Horticultural or Speckled Cranberry.

A popular variety for private use; equally serviceable in the green state or when shelled. 20 cts. pt.; 35 cts. qt.; \$2 peck; \$7 bush.

SCARLET RUNNER.

A great favorite in European gardens, both as an ornamental plant and useful vegetable. It grows to the height of nine or ten feet, presenting dazzling scarlet flowers from July to October. Used both as a string bean and shelled. Seeds when ripe, lilac mottled with black. 20 cts. pt.; 35 cts. qt.; \$2 peck; \$7 bush.

White Dutch Runner.

Similar to the preceding, excepting in color of seeds and flower, which are white. 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bush.

GIANT WAX.

Pods six to nine inches long; clear, waxy yellow, thick and fleshy; very productive; when cooked, tender and delicious; seeds red when ripe. (See *cut.*) 40 cts. pt.; 60 cts. qt.; \$4.50 peck; \$16.00 bush.

German Wax Pole.

One of the best varieties either for snaps or shelled in the green state. 25 cts. pt.; 40 cts. qt.; \$2.25 peck; \$8.00 bushel.

GIANT WAX BEAN.

The seed bought from you last year was the best I ever had. I must remark about the Mikado Tomato that it far exceeded anything I ever saw. I took some vegetables raised from your seeds to the county fairs last fall. Each vegetable took the first prize.—FRANK H. RAU, Gardener to C. E. Hammond, Peekskill, N. Y., Feb. 24, '88.

BEET.

German, *Runkel Rube*.—French, *Betterave*.—Spanish, *Betteraga*.

1 oz. to 50 ft. of drill; 5 to 6 lbs. to the acre in drills.

The soil which is best suited for the culture of the Beet is that which is rather light than otherwise, always provided that it is thoroughly enriched with manure. For an early supply sow in spring, as soon as the ground becomes fit to work, in drills about one foot apart, and two inches deep. For main crop sow the first week in May, and for winter use sow in June. These dates are for the latitude of New York. For the South sow earlier; for the North later. When the plants have attained three or four leaves, thin out so that they may stand five or six inches apart. Keep free from weeds by hand weeding or hoeing. In October the roots may be taken up and stored in cellar or in pits outside like potatoes, care being taken that they are not bruised or injured in the process.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

ECLIPSE BEET.

EGYPTIAN TURNIP. A standard sort, being from ten to twelve days earlier than the old Blood Turnip. The roots are large in size, and of a rich, deep crimson color. From the smallness of the tops of the Egyptian at least one-fourth more can be grown on the same space than any other variety. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

ECLIPSE. An excellent sort, about as early as the Egyptian, but we consider it better, because it is larger and of much finer quality. (See cut.) 10 ets. pkt.; 15 ets. oz.; 30 ets. $\frac{1}{4}$ lb.; 75 ets. lb.

BASTIAN'S BLOOD TURNIP. After the Egyptian and Eclipse varieties this is probably the earliest Beet in cultivation. Shape very similar to the Early Blood Turnip. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

EARLY BLOOD TURNIP. A well known standard early variety, following the above in earliness; it is of a rich, deep blood red color, and of excellent quality. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

DEWING'S IMPROVED BLOOD TURNIP. An improved variety of the Early Blood Turnip, of deep blood red color, fine form and flavor; an excellent market sort. (See cut.) 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

Early Flat Bassano. Chiefly valuable for its earliness. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

Long Smooth Blood Red. An excellent late variety; a great improvement on the common Long Blood. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

Early Yellow Turnip. Similar to the Blood Turnip, but differing in color; flesh yellow. 5 ets. pkt.; 10 ets. oz.; 25 ets. $\frac{1}{4}$ lb.; 65 ets. lb.

PINEAPPLE. A highly esteemed English variety, of rich, deep crimson color. 5 ets. pkt.; 20 ets. oz.; 60 ets. $\frac{1}{4}$ lb.; \$1.50 lb.

Brazilian Variegated. Beautiful for garnishing and flower garden decoration, the stems and veins being richly colored with crimson, yellow and white. 5 ets. pkt.; 15 ets. oz.; 40 ets. $\frac{1}{4}$ lb.; \$1.25 lb.

Swiss Chard, Silver or Sea-Kale Beet. Cultivated solely for its leaves. The mid-rib is stewed and served as asparagus, the other portions of the leaf being used as spinach. If often cut, new tender leaves will be reproduced. 5 ets. pkt.; 10 ets. oz.; 30 ets. $\frac{1}{4}$ lb.; 75 ets. lb.

DEWING'S IMPROVED BEET.

BEET, Sugar, and Mangel Wurzel.

See Farm Seed Department, page 46.

BORECOLE (see Kale).**BROCCOLI.**

German, *Brocoli*, *Spargel-Kohl*.—French, *Chou Brocoli*.—Spanish, *Brocoli*.

Nearly allied to the Cauliflower, but more hardy; the seed should be sown in this district in the early part of May, and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

WHITE CAPE. Heads medium size, close, compact, and of creamy white color; one of the most certain to head. 15 ets. pkt.; 60 ets. oz.; \$2.00 per $\frac{1}{4}$ lb.

PURPLE CAPE. Differs from the preceding only in color. 10 ets. pkt.; 40 ets. oz.; \$1.25 per $\frac{1}{4}$ lb.

Walcheren. A valuable variety, with very large, firm heads. 15 ets. pkt.; 75 ets. oz.; \$2.50 per $\frac{1}{4}$ lb.

BRUSSELS SPROUTS.

German, *Kopfkohl Grner*.—French, *Chou de Bruxelles*.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts resembling small cabbages, of excellent mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the Northern States; still, by sowing in April or May and planting out in July, it may be had in fine condition until December, and in the Southern States may be had in use from November to March.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

TALL FRENCH. Very fine. 5 ets. pkt.; 20 ets. oz.; 70 ets. $\frac{1}{4}$ lb.; \$2.50 lb.

DWARF IMPROVED. A variety producing compact sprouts of excellent quality. 5 ets. pkt.; 20 ets. oz.; 70 ets. $\frac{1}{4}$ lb.; \$2.50 lb.

CAULIFLOWER.

German, *Blumen-Kohl*.—French, *Choufleur*.—Spanish, *Coliflor*.
1 oz. for 1,000 plants.

Any soil that will grow Cabbage will grow Cauliflower, as their requirements are almost similar; but as the product is much more valuable, extra manuring and preparation of the soil will be well repaid. The seeds may be sown in September and wintered over in the same manner as described for early Cabbage. Where this is not practicable it may be had just as well by sowing the seeds in the hot-bed in January or February, and transplanting the plants at two or three inches apart in boxes or in the soil of another hot-bed until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 10th of April. If properly hardened off they are seldom injured by planting out too early. For second early and late crop sow at same date as given in the directions for Cabbage crop. For further information, if for private use, see our work, "Gardening for Pleasure;" if for market, see the new edition of "Gardening for Profit."

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

HENDERSON'S EARLY SNOWBALL. The earliest and surest heading variety in cultivation. Whether you order the seed direct from us or not, always be sure that the seed is contained in packages, sealed with our Trade-mark label. (See description in *Specialties*, page 17.) 25 ets. pkt.; \$4.00 oz.; $\frac{1}{4}$ oz. at oz. rates; \$14.00 per $\frac{1}{4}$ lb.

EXTRA EARLY DWARF ERFURT. A favorite early market variety; large, compact heads of fine quality. 20 ets. pkt.; \$2.50 oz.; \$9.00 $\frac{1}{4}$ lb.

EXTRA EARLY PARIS. This well known variety is equally as meritorious as the Erfurt, except that it requires more space to grow in. 15 ets. pkt.; \$1.00 oz.; \$3.50 $\frac{1}{4}$ lb.; \$12.00 lb.

HALF EARLY PARIS or NONPAREIL. Useful for a succession crop. The difficulty with Cauliflowers for market is that the whole crop comes in and must be sold in the space of two weeks, unless we have a succession of varieties. 10 ets. pkt.; 75 ets. oz.; \$2.25 $\frac{1}{4}$ lb.; \$8.00 lb.

EARLY LONDON. An excellent and very early variety. 10 ets. pkt.; 60 ets. oz.; \$2.00 $\frac{1}{4}$ lb.; \$7.50 lb.

LENORMAND'S SHORT STEMMED. A large late variety, producing well formed heads of excellent quality. 15 ets. pkt.; 75 ets. oz.; \$2.50 $\frac{1}{4}$ lb.; \$8.00 lb.

LARGE LATE ALGIERS. An excellent favorite late variety. In Cauliflower growing districts, enormous quantities of this variety are annually grown. 15 ets. pkt.; \$1.00 oz.; \$3.50 $\frac{1}{4}$ lb.; \$12.00 lb.

WALCHEREN. An old and favorite kind. 15 ets. pkt.; 75 ets. oz.; \$2.50 $\frac{1}{4}$ lb.; \$8.00 lb.

VEITCH'S AUTUMN GIANT. A late sort that seems to do particularly well in the Southern States. 10 ets. pkt.; 60 ets. oz.; \$2.00 $\frac{1}{4}$ lb.; \$7.50 lb.

Cauliflower Plants,

Of Henderson's Early Snowball, from cold frames, \$3.00 per 100; spring sown and transplanted, \$1.50 per 100. Large lots at special low rates. Ready March 1st.

A Field of the best Cabbages.

CABBAGE.

German, *Kopfkohl*.—French, *Chou Pomme*.—Spanish, *Repollo*.

1 oz. will produce 1,500 plants; $\frac{1}{2}$ lb. of seed in beds to transplant for an acre.

The early varieties of Cabbage are cultivated more extensively than any other vegetable. In latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October, and planted out on the first opening of spring; but in our Northern States they must either be sown in hot-beds in February, or, what is still better, wintered over in cold frames; for this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants might run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold frames. In planting, it is very important with Cabbage or Cauliflower, that the plant is set down to the first leaf, so that the stem is all under ground, for, if exposed, it will be split by the action of the frost, and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April, in rows about two feet apart, and eighteen inches between the plants in rows. This earliest crop matures in June. For second early the early kinds should be sown first week in April and planted out in May. This crop should mature in July and August. The late varieties are usually sown in the early part of May, and the plants are set in July, at distances of three feet between the rows, and two feet between the plants. This crop matures September, October or November. If to be grown for market purposes, for complete details see the new edition of our book, "Gardening for Profit."

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

AUTUMN KING. (See *Novelties*, page 5.) 25 cts. pkt.; 5 pkts. \$1.00; \$1.50 oz.

MIDSUMMER SAVOY. (See *Novelties*, page 5.) 20 cts. pkt.; 75 cts. oz.

EXPRESS. (See *Novelties*, page 5.) 15 cts. pkt.; 40 cts. oz.

HENDERSON'S SUCCESSION. (See page 10.) 20 cts. pkt.; 6 pkts. for \$1.00; \$1.25 oz.; \$4.00 $\frac{1}{4}$ lb.; \$12.00 lb.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD. (See p. 16.) Unquestionably the best early Cabbage in cultivation. It possesses the merit of large size of head, small outside foliage, and uniformity in producing a crop. About 12,000 can be planted on an acre. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

HENDERSON'S EARLY SUMMER. (See page 16.) Heads about ten days later than the Jersey Wakefield, but being of over double the size, it may be classed as the best large early Cabbage. In weight it is equal to most of the late varieties, and its short outer leaves enable it to be planted as close as the Jersey Wakefield, about 12,000 to the acre, while the Early Flat Dutch, Winningstadt, etc., producing no larger heads, can only be grown at the rate of 8,000 to the acre. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

EARLY WINNINGSTADT. A second early variety, coming in about three weeks later than the early varieties. It is an excellent sort, however, where earliness is not the object, as it heads uniformly and is of large size, often weighing 20 lbs. It is a distinct variety, heads pyramidal, the outer leaves spiral and spreading, which necessitates planting it wider than the early sorts. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

PREMIER. The heads are somewhat smaller than the Wakefield, but as it forms very small outer leaves, it can be planted one-third closer—fifteen or sixteen inches apart each way. (See *cut*.) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

EARLY YORK. A well known favorite variety. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Large Early York. Larger and later than the preceding. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY FRENCH OXHEART. A favorite market variety. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Large Early Schweinfurt. A large early variety; fine for summer and fall use. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

FILDERKRAUT. This somewhat resembles the well known Winningstadt, but is larger in every way, more pointed, and heads up with fewer outside leaves. Largely grown for making kraut. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

FOTTLER'S IMPROVED BRUNSWICK. A second early and late variety grown originally by the Boston gardeners, but which is now cultivated quite generally all over the country. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

ST. JOHN'S DAY EARLY DRUMHEAD. An early variety, very dwarf, with medium sized hard heads; about as early as the Winningstadt. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

HENDERSON'S SELECTED LATE FLAT DUTCH. This valuable variety was shown on our colored plate in Catalogue for 1885. It will be found one of the most satisfactory strains of late Cabbage ever grown. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Cabbage, Cauliflower and Celery Plants.

Our *Special* catalogue of these will be ready June 15th, and will be mailed on application. Cold frame Cabbage plants ready from November to April 1st. Cold frame Cauliflower plants ready March 1st. For price of Cabbage plants, see page 27; for price of Cauliflower plants, see page 25.

CABBAGE—Continued.

MARBLEHEAD MAMMOTH DRUMHEAD. Probably the largest variety of cabbage in cultivation, specimens often weighing sixty pounds. In good soil and with proper culture it will average thirty pounds. Heads round, somewhat irregular in shape. Should be planted four feet apart each way. (See cut.) 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

MARBLEHEAD MAMMOTH CABBAGE.

PREMIUM FLAT DUTCH. An excellent standard late variety, developing rather earlier in the fall than most late sorts, and for that reason not quite so well adapted for winter use. It is, however, very largely grown as an early fall sort. It is very tender, and of superior flavor. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

MAMMOTH ROCK RED. The Mammoth Rock Red is a large growing and selected strain of late red Cabbage. The heads will average 12 lbs. each. 15 cts. pkt.; 75 cts. oz.

RED DUTCH. Used almost exclusively for pickling. It is one of the hardiest of all Cabbages, and when preserved as directed in "Gardening for Profit," will keep later in the season than any of them. It is slow to mature, however, and requires a richer soil for its perfect development. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY BLOOD RED ERFURT. Earlier than the preceding. Valuable for pickling. 10c. pkt.; 25 c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.50 lb.

Green Glazed. A late variety that has been grown for many years in the Southern States, and very valuable because of its immunity from insects; heads of good size. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

NETTED SAVOY. This is the finest of the Savoy class, and a general favorite. Heads large, very solid and compact, of a yellowish green color, and, like all others of the Savoy varieties, is of excellent flavor, far surpassing that of any other late Cabbage. (See cut.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

NETTED SAVOY CABBAGE.

AMERICAN DRUM-HEAD SAVOY. The largest heading Savoy; of excellent flavor. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Early Dwarf Ulm Savoy. A very early and superior dwarf variety, of fine flavor. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Cabbage Plants

Of Henderson's Selected Early Jersey Wakefield and Henderson's Early Summer, from cold frames, ready from Nov. 1st to April 1st; \$1.25 per 100; \$10.00 per 1,000. Spring sown and transplanted, half above prices; ready April 1st.

Large quantities at special rates.

CARDOON.

German, *Kardon*.—French, *Cardon*.—Spanish, *Cardo Hortense*.

Cardoon is grown for the mid-rib of the leaf, which requires to be blanched in the same manner as Celery. Sow early in spring, where the plants are to remain, in drills three feet apart, an inch and a half deep, and thin out the young plants to a foot apart in the drills.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

Large Spanish. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb., \$4.00 lb.

CARROT.

German, *Möhre*.—French, *Carotte*.—Spanish, *Zanahoria*.

The Carrot, like other root crops, delights in a sandy loam, richly tilled. For early crop sow in spring, as soon as the ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked by the Horse Cultivator. As Carrot seed is slow to germinate, all precautions must be taken.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

HENDERSON'S INTERMEDIATE

RED. (See *Specialties*, p. 17.)

We consider this variety one of the best sorts for either field or garden culture, as it produces a large growing, symmetrical root, of a deep orange-red color; in size between the Half Long and Long Orange varieties. The roots grow very smooth and straight and are singularly free from roughness. The foliage, considering the size of the roots, is very small, and its very fine quality renders it most fit for table. 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

CHANTENAY HALF LONG SCARLET.

A stump-rooted variety, somewhat resembling the well-known Nantes Carrot, but having a larger shoulder and being much more productive. 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb. (See cut.)

OXHEART OR GUERANDE. A new Carrot. In length it is intermediate between the Danvers and Short Horn Carrot. Excellent for table use. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY FRENCH FORCING. The earliest variety and one largely grown for forcing purposes. It makes a small, almost globe shaped root of an orange-red color. 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

EARLY SCARLET HORN. An old and favorite sort for early

crop, but not large enough to be suitable for general culture. It is one of the varieties that is sold in the New York markets bunched up in the green state. It matures eight to ten days earlier than the Long Orange, and is sometimes used for forcing. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 90 cts. lb.

HALF LONG RED (Stump Rooted).

Largely grown for the New York market. In size and time of maturity it is between the Early Scarlet Horn and the Long Orange. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 90 cts. lb.

EARLY HALF LONG SCARLET (Pointed Rooted).

Differing from the preceding variety only in having a pointed instead of a stump or blunted root. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 90 cts. lb.

EARLY HALF LONG SCARLET CARENTAN.

A distinct variety, almost cylindrical in shape, with few and very small leaves. The skin is smooth, flesh red and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

CHANTENAY CARROT.

WHITE AND YELLOW
BEL IAN CARROT

Your Mikado Tomato which I raised last year proved to be the finest I ever raised. Of six varieties grown, the Mikado far surpassed all others in both quantity and quality. So far all your seeds have proved of the very best quality.—J. B. WILLIAMS, Mentor, Ky., March, 1888.

LONG ORANGE
IMPROVED.**CARROTS—Continued.**

LONG ORANGE IMPROVED. Equally adapted for garden or farm culture. It is of large size, fair specimens averaging 12 inches in length, with a diameter of 3 inches at the top. Color, orange red. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 80 cts. lb.

DANVERS. The color of this valuable sort is a rich shade of orange. In shape it is midway between the Early Scarlet Horn and the Long Orange. Under the best cultivation it is said to have yielded from 25 to 30 tons per acre. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1.00 lb.

ALTRINGHAM. A large and fine flavored red Carrot, grown for stock feeding purposes. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1.00 lb.

LARGE WHITE BELGIAN. The lower part of the root is white; that growing above ground and exposed to the air, green. It is exclusively grown for stock. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 75 cts. lb.

YELLOW BELGIAN. When young the roots are mild and delicate; and, when full grown, valuable for stock. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 75 cts. lb.

CELERY.

German, *Seleri*.—French, *Celeri*.—Spanish, *Apis*.
1 oz. for 2,000 plants.

Our manner of treating the Celery crop of late years is very much simplified. Instead of sowing the seed in a hot-bed or cold frame as practiced in Europe, it is sown in the open ground as soon as it is fit to work in April, and kept carefully clear of weeds until the time of planting in June and July. In our warmer climates—if raised in hot-beds, as in England—a majority of the plants would run to seed. The tops are shorn off once or twice before planting, so as to insure "stocky" plants, which suffer less on being transplanted. After the ground has been nicely prepared, lines are struck out on the level surface, three feet apart, and the plants set six inches apart in rows. If the weather is dry at the time of planting great care should be taken that the roots are properly "firmed." Our custom is to turn back on the row and press by the side of each plant gently with the foot. This compacts the soil, and partially excludes the air from the roots until new rootlets are formed, which will usually be in forty-eight hours, after which all danger is over. This practice of pressing the soil closely around the roots is essential in planting of all kinds, and millions of plants are annually destroyed by its omission. After the planting of the Celery is completed, nothing further is to be done for six or seven weeks, except running through between the rows with the cultivator or hoe and freeing the plants from weeds until they get strong enough to crowd them down. This will bring us to about the middle of August, by which time we have usually that moist and cool atmosphere essential to the growth of Celery. Then we begin the "earthing up" necessary for the blanching and whitening of that which is wanted for use during the months of September, October and November. The first operation is that of "handling," as we term it; that is, after all the soil has been drawn up against the plant with the hoe, it is further drawn close around each plant by the hand, firm enough to keep the leaves in an upright position and prevent them from spreading. This being done, more soil is drawn against the row (either by the plow or hoe, as circumstances require) so as to keep the plant in this upright position. The blanching process must, however, be finished by the spade, which is done by digging the soil from between the two rows, and banking it clear up to the top on each side of the row of Celery. Three feet is ample distance between the dwarf varieties; but when larger sorts are used the width of the rows must be at least 4½ or 5 feet. For fuller details on Celery culture please refer to the new edition of Peter Henderson's book, "Gardening for Profit."

If by mail in quantities of ½ lb. and upward, postage must be added at the rate of 8 cts. per lb.

Varieties marked * were introduced into cultivation by us.

***HENDERSON'S WHITE PLUME.** This is the finest acquisition made to our list of vegetables in the last twenty years. (See *Specialties*, page 18.) 10c. pkt.; 40c. oz.; \$1.25 ¼ lb.; \$4.50 lb.

***HENDERSON'S NEW ROSE.** (See special description in *Specialties*, page 18.) 10 cts. pkt.; 40 cts. oz.; \$1.25 ¼ lb.; \$4.00 lb.

***HENDERSON'S HALF DWARF.** It is entirely solid, possessing a rich nutty flavor, while it has much vigor of growth, surpassing most of the large growing sorts in weight of bunch when grown under the same conditions. 10 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

THE BOUQUET. (See *Novelties* page 11.) 20 cts. per pkt.; 6 pkts. \$1.00; \$1.50 oz.

GOLDEN SELF-BLANCHING. (See *Specialties*, page 18.) 15 cts. pkt.; 8 pkts. \$1.00.

***WHITE WALNUT.** Of dwarf habit, seldom attaining a height of more than 20 inches, solid and heavy. 10 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

***GOLDEN DWARF.** This is now a leading variety in all parts of the country. In the great Celery growing districts at Kalamazoo, Mich., it is the variety that is nearly altogether planted. In size and habit of growth, it is much the same as the Half Dwarf and Dwarf White kinds, except that when blanched the heart is of a waxy golden yellow, rendering it a most attractive and showy variety for either market or private use. It is entirely solid, of excellent flavor, and one of the best keepers during the winter we have ever known. 10 cts. pkt.; 25 cts. oz.; 80 cts. ¼ lb.; \$3.00 lb.

***HENDERSON'S DWARF WHITE.** Under good cultivation this variety attains a height of 2 feet and a circumference of 12 inches. It is perfectly solid, the stalks half round, the leaves and stems being rather light green. When blanched it is a yellowish white, crisp, tender, and of very fine flavor. The great advantage of this as well as other dwarf sorts over the large kinds is that nearly every part of the plant is fit to eat when blanched. 10 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

BOSTON MARKET. A great favorite around Boston, and similar to the Dwarf White, but rather more robust. The leaves are a darker green, the stalks when blanched nearly white. It is an excellent variety, solid, crisp and tender. 5 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

GIANT WHITE SOLID. The best of the large growing sorts, attaining a height under good cultivation of 3 feet. It should never be planted closer than 4 feet between the rows, or it cannot be worked properly. This variety is most suitable for southern sections of the country, as it grows freely in a hot or dry atmosphere. 5 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

Sandringham Dwarf White. An excellent variety, remarkable for its fine flavor and solidity. 5 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

PERFECTION HEARTWELL. A strong growing variety, not so suitable for market purposes as the Half Dwarf or Golden Dwarf, though it answers for light or poor soils. 5 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

***LONDON RED.** We have tried to impress upon our customers for years the superiority of the Red Celery over the White. Not only that, as a rule, they are better flavored and more crisp, but that they are hardier and keep better during winter. The variety London Red is one of the best we have ever seen, having every requisite good quality. 10 cts. pkt.; 25 cts. oz.; 75 cts. ¼ lb.; \$2.50 lb.

MAJOR CLARKE'S PINK. Another excellent variety among the red sorts, of medium growth, of stiff, close habit, large heart, remarkably solid and crisp, and of fine walnut flavor. 10 cts. pkt.; 30 cts. oz.; \$1.00 ¼ lb.; \$3.50 lb.

Hood's Dwarf Red. An excellent dwarf variety, solid and crisp. 10 cts. pkt.; 30 cts. oz.; \$1. ¼ lb.; \$3.50 lb.

Soup Celery. (Old Seed.) Excellent for flavoring. 30 cts. lb.

NEW ROSE.

GOLDEN DWARF.

GIANT WHITE.

WHITE PLUME.

BOSTON MARKET.

Celery Plants. Full detailed Price List will be sent to applicants June 20th.

CELERICAC (Turnip-Rooted Celery).

French, *Celeri-rave*.—German, *Knob-Seleri*.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

ERFURT GIANT. We have found this to be a great improvement on the older varieties of Celericac, for while of equally good flavor, it attains a much larger size. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

LARGE SMOOTH PRAGUE CELERICAC.

LARGE SMOOTH PRAGJE. The finest variety yet introduced. (See cut.) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

CHICORY.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

Large Rooted. Used to mix with, or as a substitute for Coffee. Cultivation the same as for Carrot. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

CHERVIL.

German, *Gartenkerbel*.—French, *Cerfeuil*.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

Chervil, Curled. An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills half an inch deep, one foot apart. 5 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

— **Tuberous Rooted.** Sow in March or April; after treatment same as Carrot. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3 lb.

CUCUMBER.

German, *Gurke*.—French, *Concombre*.—Spanish, *Cohombro*
1 oz. for 50 hills; 2 to 3 lbs. in hills for an acre.

Cucumbers succeed best in warm, rich, sandy loam ground. They should not be planted in the open air until there is a prospect of settled warm weather; in the vicinity of New York about the middle of May. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil of each a shovelful of well rotted manure. When all danger from insects is past thin out the plants, leaving three or four of the strongest to each hill. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

EXTRA EARLY GREEN PROLIFIC. A new strain of Cucumber which in shape and yield is as near as can be the same as a good stock of Green Prolific Cucumber, but which is from ten days to two weeks earlier, and which has proved its earliness in tests made in the past two years. Those who wish an early strain of the Green Prolific, or those who grow exclusively for pickling purposes, will find in this something that they have long desired. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

IMPROVED EARLY WHITE SPINE. This is a favorite market variety, producing fruit from 6 to 8 inches in length, and 2 to 3 inches in diameter. Of a handsome deep green; flesh crisp, and of fine flavor. Largely grown for forcing. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

EXTRA LONG WHITE SPINE. A longer growing variety than the above, but similar in all other respects. It is also largely used for forcing purposes. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Large Erfurt.

Produces turnip-shaped roots, which may be cooked and sliced, and used with vinegar, making a most excellent salad. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Apple Shaped.

A good variety, with small foliage and large tubers almost round in shape, and smooth. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

LONG GREEN TURKEY. A most desirable variety. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

EARLY FRAME. A very handsome small growing variety, rarely exceeding five inches in length and has few spines. Desirable for forcing or forwarding under glass. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

EARLY CLUSTER. A much esteemed early variety, growing in clusters, and extremely productive. Its color is bluish green, shading lighter at the extremities. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

EARLY RUSSIAN. This is the earliest variety, coming into use about ten days before the Early Cluster, which it resembles in some respects, but is smaller and shorter. The fruit is generally produced in pairs, and is from 3 to 4 inches long. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

GREEN PROLIFIC. As a pickling variety is unsurpassed. Its characteristics are its uniform growth, hardly ever producing cucumbers too large for pickling, and its immense productiveness. This variety was introduced by us. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Boston Pickling. Largely used about Boston by market gardeners. A very productive kind, of superior quality. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

LONG GREEN. A fine long fruit, of excellent quality, dark green, firm and crisp. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

SHORT GREEN, OR GHERKIN. Similar to Early Frame; good for pickling. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Tailby's Hybrid. An excellent variety for family use. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

West Indian Gherkin, or Burr. This variety, used exclusively for pickling, is a species distinct from the common Cucumber. It is very small; length from 2 to 3 inches; a strong growing sort, and should be planted 5 feet apart. 10 cts. pkt.; 25 cts. oz.; 70 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

NICHOL'S MEDIUM GREEN. We consider this variety the most valuable sort that has been introduced since the advent of the Green Prolific variety, a sort, by the way, that was first introduced by us. As a pickle sort, Nichol's Medium Green will be found unequalled, and for early forcing purposes or for slicing, there is no better variety. It is exceedingly productive, of medium size, and always straight and smooth. The color is dark green, the flesh tender and crisp. (See cut.) 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

NICHOL'S MEDIUM GREEN CUCUMBER.

English Frame or Forcing Varieties.

Lord Kenyon's Favorite.
Telegraph.

Duke of Edinburgh.
Cuthill's Black Spine.

Price, 25 cts. pkt. for any of the above.

CORN, Field.

See list of varieties in Department of Farm Seeds.

SWEET FODDER CORN.

For soiling. Sow three bushels to the acre broadcast, half that quantity in drills. \$2.00 bushel.

POP CORN.

WHITE. For parching (in ears). 10 cts. lb.; \$8.00 per 100 lbs.

EARLY AMBER. A very early maturing variety of a clear amber color. 20 cts. lb.; \$18.00 per 100 lbs.

I commenced planting Henderson's Early Summer Cabbage the season it was introduced and have planted it ever since, and though I have tried many new kinds since, I have found none to equal it.—STEPHEN CLEMONS, Hampton, Va., Jan. 11th, 1888.

CORN, Sugar.German, *Welschkorn*.—French, *Mais*.—Spanish, *Maiz*.

1 qt. for 200 hills; 8 to 10 qts. in hills for an acre.

All varieties of Sweet or Sugar Corn may be either sown in rows four and a half feet apart, and the seeds placed about eight inches apart in the rows, or planted in hills at distances of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. The taller the variety, or the richer the soil, the greater should be the distance apart. We make our first plantings in this vicinity about the middle of May, and continue successive plantings every two or three weeks until the last week in July. In more southerly latitudes planting is begun a month earlier and continued a month later.

Add 10 cents per quart extra if to be sent by mail.

CORY EARLY. We had very large and complete trials of nearly every Sweet Corn in our list last season, and we found the **Cory** to be the earliest of all the large red cob varieties yet introduced. In our trials we found it to be five days earlier than the **Marblehead**, which hitherto has always taken the lead. Those desiring a first early variety can make no mistake in planting the **Cory**. (See cut.) 20 cts. pt.; 30 cts. qt.; \$2 peck; \$6 bush.

CORY EARLY SUGAR CORN.

HENDERSON SUGAR. It is surprising even to us how this variety continues to grow in popular favor. In the green condition when ready for the table it is always pure white and of a remarkably sweet and rich flavor. The **Henderson** ripens about ten days earlier than **Stowell's Evergreen**, and the experience of those who have grown it is that it is one of the most valuable sorts for canning purposes or for market in cultivation. 15 cts. pt.; 25 cts. qt.; \$1.50 peck; \$4.50 bush.

STOWELL'S EVERGREEN. Now recognized everywhere as a standard late variety, and having the peculiarity of remaining longer in a green state than any other sort. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

EARLY MARBLEHEAD. Next to the **Cory** the earliest of all Sweet Corn. In appearance it resembles the better known **Early Narragansett**. The stalk is dwarf, and it sets its ears very low down, which are of fair market size. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

EARLY NARRAGANSETT. One of the earliest varieties. The ears are quite small, seldom being more than five inches in length, and 8 or 10 rowed. It is tender, of fine flavor, and is largely used as a first early variety. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4 bush.

Early Adams, or Burlington. Strictly speaking this is an early field variety, although largely sold for table use; we therefore class it among Sugar Corn. It is grown extensively in this section for the New York market. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4 bush.

Extra Early Tom Thumb. A very early, medium sized, 8-rowed variety. Kernels of fair size, white and sweet; stalks about three feet high; it is already a popular market variety. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

EARLY MINNESOTA. Very early and desirable alike in the market or family garden. Height not over 4½ feet; ears of fair size and good quality. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4 bu.

SHAKER'S EARLY. Large pearly white kernels of delicious flavor. It matures about the same time as the **Early Minnesota**, but the ears are much larger. 15c. pt.; 25c. qt.; \$1.50 pk; \$4.50 bu.

Black Mexican. A blackkerneled variety; one of the sweetest of all. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

CROSBY'S EARLY SUGAR. Early, and a great favorite in the markets. Rather small ears, but productive and of excellent quality. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

EGYPTIAN. Ears of large size; the flavor peculiarly rich and sweet. It is grown in large quantities for both canning and for selling in the green state. Like all other large varieties, it matures late. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

MAMMOTH SUGAR. A late variety, producing ears of very large size and fine flavor. It is unusually productive. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

OLD COLONY. An exceedingly sweet and productive variety, averaging three ears on every stalk. The ears are of large size, and always well filled. It ripens about the same time as **Moore's Concord**, perhaps a little later. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

PERRY'S HYBRID. This is a new early twelve-rowed variety, growing only four to five feet high, with ears as long as the **Crosby**, and set very low on the stalk. Kernels white, large, sweet and very tender. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4 bu.

HICKOX IMPROVED. Of medium earliness, and is valuable alike in the market or family garden, or for canning, for which latter use large areas of it are now grown. The ears are twelve-rowed. Quality of the very best. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

SQUANTUM SUGAR. One of the sweetest and best varieties we know of. It is also wonderfully productive, producing four or five ears on a stalk. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4 bu.

Moore's Early Concord. Ears large and well filled; early and unsurpassed for richness and delicacy of flavor. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

LARGE EARLY EIGHT-ROWED. One of the best; ears long; cob white. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

TRIUMPH. Said to be the earliest of the large varieties. Flavor rich and sweet; largely grown as a market sort. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

Two Excellent Newer Varieties of Sugar Corn.

"Stabler's Early" and "Roslyn Hybrid."

The two excellent varieties, particularly valuable for canning purposes, although equally desirable for the market or family garden.

STABLER'S EARLY ripens a few days after the **Adams' Early**, which makes it one of the earliest sorts, and will yield an abundant crop, while other early varieties are too small to be profitable either for market or canning. 15c. pt.; 20c. qt.; \$1.25 peck; \$4.00 bush.

ROSLYN HYBRID is a very large growing sort, which ripens ten or twelve days later than **Stabler's Early**, and the quality of which is said to be finer than **Stowell's Evergreen**. (See cut.) Price, 15 cents pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

ROSLYN HYBRID SUGAR CORN.

We sowed last year 10 bushels of your "**Henderson**" Sugar Corn. The product has been entirely satisfactory, ears uniformly large, with milk-white kernels filled to the tips. It is a week earlier than **Stowell's Evergreen**.—THE NEW HARTFORD CANNING Co., L't'd, by R. H. Sherman, Pres. New Hartford, N. Y., Sept. 30th, 1888.

CORN SALAD, OR FETTICUS.German, *Lammersalat*.—French, *Mache*.—Spanish, *Canonigos*.

A vegetable used as a salad, and sold to a large extent in our New York markets. It is sown on the first opening of spring, in rows one foot apart, and is fit for use in six or eight weeks from time of sowing. If wanted to come in early in spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over exactly as Spinach. It is largely grown in cold frames in the vicinity of New York, and if covered with straw mats or shutters can be used at any time during the winter.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.**COLLARDS, True Georgia.**French, *Chou*.—German, *Blüter-Kohl*.

Sow for succession from June to August, and treat as Cabbage, in rows one foot apart.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.10 lb.**CRESS, OR PEPPER GRASS.**German, *Kresse*.—French, *Cresson*.—Spanish, *Mastruco*.

A well known pungent salad. Requires to be sown thickly and covered very slightly, at frequent intervals, to keep up a succession, as it soon runs to seed.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

UPLAND CRESS.

UPLAND CRESS.

(Barbarea Vulgaris.)

Grown as Spinach, and used exactly as water cress. It so much resembles water cress in taste that the difference is scarcely discernible, and its use should become more general, as it is of as easy culture as Spinach, indeed easier, for it is a perennial plant, and can be grown easily for two years without resowing and it yields enormous crops. The seed should be sown in April (latitude of New York) in rows 12 to 15 inches apart. (See cut.) 10 cts. pkt.; \$1.50 oz.

Extra Curled. Very fine; may be cut two or three times. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

Australian. Fine, piquant flavor. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

American, or Land. Eaten as water cress in winter. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

CRESS, Water.German, *Brunnenkresse*.—French, *Cresson de Fontaine*.—Spanish, *Berro*.

This is a well known hardy perennial aquatic plant, growing abundantly along the margins of running streams, ditches and ponds, and sold in immense quantities in our markets in spring. Where it does not grow naturally, it is easily introduced by planting along the margins of ponds and streams, where it increases, both by spreading of the roots and by seeding. It has a particularly pleasant, pungent taste, agreeable to most people. For full details of culture for the market, see new edition of "Gardening for Profit."

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.**DANDELION.**German, *Pardeblume*.—French, *Pisse-en-lit*.—Spanish, *Amargon*.

The Dandelion resembles Endive, and is sometimes cultivated for spring greens, or for blanching for salad. The roots when dried and roasted are often employed as a substitute for coffee. The seed should be sown in May or June, in drills half an inch deep and twelve inches apart. The plants will be ready for use the following spring.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

Dandelion, Common. 10 cts. pkt.; 30 cts. oz.

— **LARGE LEAVED.** Its name partly describes this variety, although we would add that its leaves are fully double the size of the common Dandelion. 15 cts. pkt.; 50 cts. oz.

ENDIVE.German, *Endivien*.—French, *Chicorce*.—Spanish, *Endivia*.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July from which plantations are formed at one foot apart each way in August and September. It requires no special soil or manure, and after planting is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. This is effected by gathering up the leaves and tying them by their tips in a conical form. This excludes the light and air from the inner leaves, which in the course of from three to six weeks, according to the temperature at the time, become blanched. Another and simpler method consists in covering up the plants as they grow with slats or boards, which serve the same purpose, by excluding the light, as the tying up. It can also be grown by sowing the seed and thinning out one foot apart each way, as recommended for Lettuce.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

GREEN CURLED.

Not only most useful as a salad, but is highly ornamental from its delicately cut and colored leaves. It is much used for garnishing. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

FRENCH MOSS CURLED. From the density of its foliage this variety is heavier than the Green Curled, but is equally agreeable as a salad, and its appearance either green or blanched is particularly handsome. 10 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

White Curled. Leaves pale green; should be used when young. (See cut.) 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

BROAD LEAVED BATAVIAN. (*Escarolle*.) Chiefly used in soups and stews; requires to be tied up for blanching. 10 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EGG PLANT.German, *Eierpflanze*.—French, *Aubergine*.—Spanish, *Berengena*.

1 oz. for 1,000 plants.

The Egg Plant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hot-beds or warm green-house in March or April, and when about an inch high put in two-inch pots. Plant out about June 1st, two and a half feet apart. If no hot-bed is at hand, they can be grown in any light room where the temperature will average 75 degrees.

NEW YORK IMPROVED EGG PLANT.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

NEW YORK IMPROVED.

This is the leading market variety everywhere. Plant is robust, the leaves and stems being thickly set with spines, which are not found to any extent on the other varieties. (See cut.) 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.

BLACK PEKIN.

The fruit of this handsome variety is jet black, round in form and very solid; it is quite early, and a very superior variety. 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.

I succeeded in taking forty-four prizes last year at different county exhibitions for flowers and fruit grown in cold green-house. I shall give exceptional good care to your seeds and will write "success" I'm sure. The plants I got from your house last season were in good condition, and did well.—G. H. CRAIG, Dartmouth, N. S., Apr. 20, '88.

EGG PLANT.—Continued.

EARLY LONG PURPLE. Differs in shape from the foregoing. Color sometimes deep purple, and again pale, with white or yellowish stripes. Early, productive, and of easy culture. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.

GARLIC.—See Onion Sets.
KOHL RABI.

German, *Kohlrabi*.—French, *Chou-rabe*.—Spanish, *Cal de Nabo*.

A vegetable intermediate between the Cabbage and the Turnip. It is best cultivated by sowing the seeds in rows in May, June and July, according to the latitude. In this district we sow through June, for succession, in rows eighteen inches apart, thinning out to eight inches between the plants. It is rather difficult to transplant, and it is generally preferable to sow the whole crop from seed and thin out where it stands, although when the weather is favorable the thinnings may be planted at the distances above named.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

EARLY WHITE VIENNA KOHL RABI.

EARLY SHORT LEAVED VIENNA. An excellent variety for forcing, and of fine quality. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

EARLY WHITE VIENNA. Is greenish white outside, flesh white and tender while young. The best condition for use is when the root is 3 to 4 inches in diameter. If younger it partakes too much of the taste of the Cabbage, and when older it is dry and stringy. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY PURPLE VIENNA. Almost identical with the preceding except in color, which is a bluish purple. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

KALE, or BORECOLE.

German, *Blätter-Kohl*.—French, *Chou Vert*.—Spanish, *Breton*.

Kale, or Borecole, may be grown in almost any soil, but the richer it is, the more abundant the product. Sow from the middle of April to the beginning of May in prepared beds, covering the seed thinly and evenly; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

DWARF GREEN CURLED SCOTCH. A round dwarf variety, rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter. The leaves are beautifully curled and of a bright green. This variety is very hardy and will remain over winter in any place where the temperature does not fall below zero. It is most tender after being bitten by a sharp frost. (See cut.) 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

DWARF GREEN CURLED SCOTCH KALE.

COTTAGER'S KALE. A great favorite in England. Very dwarf, not exceeding 12 inches in height. Leaves rich green, deeply curled and feathered almost to the ground. Very hardy and a most profitable sort, more weight being grown on the same space than with any other variety. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

HALF DWARF FRINGED. (See Novelties, page 17.) 15 cts. pkt.; 50 cts. oz.

SIBERIAN KALE, GERMAN GREENS or "SPROUTS."

This variety is extensively grown as Winter Greens; sown in the month of September in rows one foot apart, and treated in every way as Spinach, it is ready for use in early spring. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

NEW DWARF VERY EARLY. A new sort; of special excellence, being a very dwarf fine curled variety of a yellowish green color, growing very close to the ground. 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BROWN GERMAN CURLED, or PURPLE BORECOLE.

Similar to the above in all respects except the color, which is of a dull purple. This is the variety most esteemed by the Germans. It is very hardy and is often seen in the gardens of New York as late as January. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

LETTUCE.

German, *Lattich*.—French, *Laitue*.—Spanish, *Lechuga*.

1 oz. for 3,000 plants.

The cultivation of Lettuce is universal by all who have gardens, and from its tractable nature and freedom from nearly all insects and diseases, it is manageable in the hands of every one. For main early crop, seed may be sown in the open ground in the middle of September, and transplanted to cold frames as soon as large enough to handle, being wintered over the same as early Cabbage. In dry, well sheltered spots, by covering with leaves or litter late in the season, Lettuce plants may be saved over the winter without glass covering in southern parts of the country without difficulty. The plants for setting out in spring are also sown in cold frames in February, and in hot-beds in March, and by careful covering up at night make fine plants by April. But for ordinary private use in the summer months the simplest way is to sow it thinly in rows one foot apart, and thin out the plants so they will stand one foot apart. This is easier than transplanting the plants, and if sown every two or three weeks from middle of April to middle of August, Lettuce may be had in perfection the whole season.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

DEFIANCE SUMMER.

This is a large growing Summer Cabbage Lettuce, which in our trial grounds we have found to be unexcelled as a long standing sort. The leaves are of light green color, and it remains for a long season tender and crisp, and is especially adapted for use in private gardens.

Those of our customers who grow it are certain to be well pleased with it. (See cut.) 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2 lb.

HANSON. Heads green, with white heart. Large size, crisp and tender. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

DEACON. Next to Salamander this variety withstands summer heat best. It forms a solid head. Tender and crisp. A very good variety for general use. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

ALL THE YEAR ROUND. A hardy, crisp eating and compact growing variety, with small, close heads of a dark green color; an excellent summer Lettuce, and valuable for forcing. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

SALAMANDER. A grand Lettuce for summer use, forming good-sized, compact heads. Color, light green outside, and white on the inside. Its great merit, however, is that it will withstand drought and heat, and remain longer in head than any other variety we have ever met with. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Hardy Green Winter. One of the best winter varieties, very hardy and forms a solid head. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

DEFIANCE SUMMER LETTUCE.

LETTUCE.—Continued.

HENDERSON'S NEW YORK LETTUCE.

HENDERSON'S NEW YORK LETTUCE is of unusual size and solidity of head, with but little tendency to run to seed. We have had it time and again eighteen inches in diameter, and weighing nearly four pounds, with heads almost as solid as an Early Summer Cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness. The outside color is distinct in shade from any other Lettuce that we are familiar with, being a clear, deep apple green, while on the inside the color is yellowish white. It is not a forcing variety, but it is certainly one of the best varieties for summer use ever introduced. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2 lb.

EARLY CURLED SIMPSON. Properly speaking it does not head, but forms a close, compact mass of leaves, of a yellowish shade of green, which are quite curly. This peculiarity enables it to mature quicker than varieties that form firm heads, and gives it its great desideratum—earliness. It is the kind that is planted in cold frames almost exclusively, and it is also largely grown as an early open air variety between a Cabbage crop. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BLACK-SEEDED SIMPSON. Like the Curled Simpson this variety does not properly form a head; but it differs from that variety in being much lighter in color, the leaves being nearly white and attaining nearly double the size of the Curled Simpson.

It stands the summer heat splendidly, while it is equally suited for forcing. It may not, however, on account of its large size, prove under some circumstances as profitable as a strictly forcing kind, such as, for instance, the Boston Market, or Tennis Ball. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BLACK-SEEDED SIMPSON LETTUCE.

YELLOW-SEEDED BUTTER. This withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Large White Summer Cabbage. One of the very best head Lettuces for summer that we know of. The heads are of good size, close and well formed. It is a splendid market variety. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Oak-Leaved. A distinct variety, due to the peculiar outline of the leaves, which are shaped like those of the oak. The heads are compact, crisp and tender, and it is largely free from that bitter taste peculiar to so many kinds of Lettuce. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BOSTON MARKET. This is an improved variety of the Tennis Ball, and attains a larger size. It grows very compact, is white and crisp, and is one of the very best varieties for forcing. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

GREEN FRINGED OR CALIFORNIA CURLED. This ornamental sort is of a very delicate and peculiar shade of green, the inner parts of the leaves white, with edges beautifully cut and fringed. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Early Prize Head. Forms a mammoth plant, in which even the outer leaves are crisp and tender, and remain so throughout the season. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BLACK SEEDED BUTTER. Similar to Tennis Ball, but larger. Used extensively as an outdoor variety. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Large India. Withstands summer heat better than most kinds; forms an immense solid head. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BOSTON CURLED. A variety of superior quality, very symmetrical and ornamental in growth. (See cut.) 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BOSTON CURLED LETTUCE.

Drumhead or Malta. Heads very large, crisp, tender, and of good flavor; one of the best summer varieties. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

TENNIS BALL BLACK SEED-ED. A favorite forcing variety, and, as the name indicates, forming a 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. It is the variety so largely used in our hot-beds and forcing-pits, and in green-houses. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

PARIS WHITE COS. The Cos Lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure its blanching. Millions of this variety are annually grown to supply the markets of London alone. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Brown Dutch. Very hardy. One of the best for winter use. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Lettuce Plants

Of Early Curled Simpson, Boston Market and Black-Seeded Butter varieties, from cold frames, \$1.00 per 100; \$7.50 for 1,000. Ready from November 1st to April 1st.

Large lots at special low rates.

LEEK.German, *Lauch*.—French, *Poireau*.—Spanish, *Puerro*.

The Leek is very hardy and easily cultivated; it succeeds best in a light but well enriched soil. Sow as early in spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible, the neck, being covered, may be blanched. If fine Leeks are desired the ground can hardly be made too rich.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

LARGE AMERICAN FLAG. A favorite market variety. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Muskelburgh. Grows to a large size. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Large Rouen. A large and excellent variety. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

MARTYNIA.

The seed pods are used to a considerable extent for pickling when gathered green and tender. Sow in the open ground in May, and transplant two feet apart.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

Martynia Proboscidea. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3 lb.

MUSTARD.German, *Senf*.—French, *Moutarde*.—Spanish, *Mostaza*.

A pungent salad, sometimes used with Cress. Sow thickly in rows, and cut when about two inches high; for use during winter it may be sown at intervals in boxes, in the green-house or in a frame. For a crop of seeds sow in April, in drills a foot apart, and thin out moderately when about three inches high.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

WHITE LONDON. Best for salads. 5c. oz.; 15c. $\frac{1}{4}$ lb.; 40c. lb.

Brown or Black. More pungent in flavor than the white. 5 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

New Chinese. Leaves twice the size of the ordinary white Mustard; stems more succulent, of deeper green; flavor pleasantly sweet and pungent. 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

MELON, Musk.German, *Melone*.—French, *Melon*.—Spanish, *Melon*.

1 oz. for 60 hills; 2 to 3 lbs. in hills for an acre.

Melons thrive best in a moderately enriched light soil; the hills should be from three to six feet apart each way, according to the richness of the soil. If soil is poor or sandy, plant at four feet. Previous to planting, incorporate well with soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant twelve or fifteen seeds in each hill early in May, for latitude of New York; for South, earlier; for farther North, later; and when well up thin out to three or four of the most promising. Pinch off the leading shoots as the growth becomes too luxuriant, and if the fruit sets too numerous, thin out when young, which will increase the size of those remaining and cause them to ripen quicker. Melons may also be forced under glass, like Cucumbers, but it is not often done in this country, for the reason that they can be grown and shipped so easily from the Southern States.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

DELMONICO MUSK MELON.

(See colored plate and description, page 8.) 25 cts. pkt.; 5 pkts., \$1.

California Nectar. One of the most delicious flavored melons, of fair productiveness, medium early and of good size, often twelve pounds and over. The flesh is very thick, sweet and juicy. 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

EMERALD GEM. (See *Novelties*, page 19.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Improved Christiana. A very early variety of peculiar flavor, relished by many people, although its chief claim to cultivation would generally be considered its extreme earliness. Flesh bright orange. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Jenny Lind. An early variety, of small size, but excellent flavor. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

White Japan. An early, medium sized, roundish variety; skin cream white, flesh of fine flavor. 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Nutmeg. Fruit nutmeg shape; skin deep green, finely netted, flesh greenish yellow, rich and sugary. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

BALTIMORE. A green fleshed, productive and excellent shipping melon that can always be found in its season in the best hotels and restaurants of New York, Philadelphia and Baltimore. It is a green fleshed variety of oblong form. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb. (See cut.)

BALTIMORE MUSK MELON.

NEW EARLY HACKENSACK. (See *Specialties*, page 19.)10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Netted Gem. One of the earliest, best and most prolific small melons. Globe shaped, uniform in size, weighing from $1\frac{1}{4}$ to $1\frac{1}{2}$ lbs. each. Flesh light green and of very fine flavor. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

HACKENSACK. Now the most popular variety of Musk Melon grown for market by the gardeners in this vicinity. It attains a large size, is round in shape and flattened at the ends, skin green and thickly netted. The flesh also is green, and rich and sugary in flavor. It is wonderfully productive. 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

GREEN CITRON. This excellent sort of medium size, deeply netted, of globular shape, and six to eight inches in diameter. Flesh green and of fine flavor. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

SKILLMAN'S NETTED. Form roundish oval; flesh deep green, sweet and richly perfumed; an early and delicious variety. 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

Surprise. This sort has a thin cream colored skin, and thick salmon colored flesh; is an early variety of delicious flavor. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Bay View. A large, prolific and fine flavored green fleshed melon. With ordinary cultivation this variety has produced melons weighing from ten to fifteen pounds. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Casaba. A large variety of delicious flavor. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Ward's Nectar. A green fleshed variety of fine quality, being exceedingly sweet and delicious. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Large Yellow Cantaloupe. Flesh reddish orange, sweet and of good flavor; early and productive. 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Large Yellow Musk. A very large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet. Used in the green state for "Mangoes." 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

MONTREAL MARKET.

An excellent variety of the largest size; we have had them weighing over 20 pounds. In shape it is almost round, flattened at both ends, and deeply ribbed; skin green and netted. The flesh is green, very thick. (See cut.) 5 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

MONTREAL MARKET.

MELON, Water.

German, *Wasser-Melone*.—French, *Melon d'Eau*.—Spanish, *Sandia*.

1 oz. for 30 hills. 4 to 5 lbs. in hills for an acre.

Water Melons require a rich though rather sandy soil for best development, and thrive best in warm latitudes, growing best in the Southern or South-western States, although in warm, sandy soils in this latitude fine crops are often obtained. Cultivate exactly as for Musk Melons, except that the hills should be just double the distance apart, namely, eight and ten feet.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

PHINNEY'S EARLY. Flesh deep red, of very superior quality; early and productive; a valuable market variety. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MOUNTAIN SWEET. Fruit oblong, dark green, rind thin, flesh red, solid, and very sweet. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

DARK ICING, or ICE RIND. It is a very solid sort with a thin rind, and possesses a most delicious flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

LIGHT ICING. Similar to the preceding, but lighter colored rind. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Pride of Georgia. It is dark green in color, almost oval in shape, and ridged like an orange. It is an excellent shipping variety, and when well grown attains a large size. It also possesses in a marked degree crispness and sweetness of flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Orange. So called from its peculiarity of the rind separating from the flesh when fully ripe; flesh red, tender and sweet, of medium quality. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Colorado Preserving. The preserving qualities of this distinct variety are of the very best; weight, fifteen to forty pounds each. 10 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

Citron. Fruit round, handsome and small; used in making preserves. 10 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

BLACK SPANISH. Fruit medium size, almost round; skin dark green; flesh red, sweet and delicious. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

SCALY BARK. The rind is very thin, and yet so tough and strong that it will bear any amount of handling before bursting or cracking open. This characteristic gives the variety special value for shipping purposes. The flesh is light crimson in color and of excellent quality. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

ICE CREAM (White Seeded). (True.) Fruit of medium size, nearly round; skin pale green; rind very thin; flesh scarlet, solid, crisp and delicious. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

HENDERSON'S GREEN AND GOLD. (See *Novelties*, page 19.) 15 cts. pkt.; 8 pkts. for \$1.00; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

KOLBE'S GEM WATER MELON.

KOLBE'S GEM. An early variety that is largely grown, particularly in the South, for shipment to Northern markets. Melon dealers say that as a shipping melon it has hardly an equal. The fruit is nearly round; rind dark green, somewhat marbled with lighter shades. The melons will vary from twenty-five to fifty lbs. each in weight. (See *cut.*) 5 cts. per pkt.; 10 cts. per oz.; 25 cts. per $\frac{1}{4}$ lb.; 75 cts. per lb.

TRUE GEORGIA RATTLESNAKE, or GYPSY. Fruit large, oblong, striped; flesh red, of fine quality. An excellent variety for market. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

THE "BOSS." Oblong in shape, and of nearly the same diameter throughout. Skin very dark green; flesh deep scarlet, and of unusually rich flavor. Early, heavy, productive, and a good shipper. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

CALIFORNIA, or IMPROVED ODELLA. One of the best sorts for shipping purposes. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Mountain Sprout. Fruit of the largest size, longish oval; skin dark green, marbled with lighter shades; red fleshed, of excellent quality. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

THE VOLGA.

This variety came to us originally from Russia, and is one of the finest flavored Melons that we have ever tasted. It is a perfect globe in shape, of small size, the weight rarely exceeding 15 lbs. The flesh is bright crimson, and in crispness and delicacy of flavor is unsurpassed. (See *cut.*) 10c. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

THE VOLGA WATER MELON.

CUBAN QUEEN. This is a large variety, often weighing eighty pounds and upwards. The rind is marked with regular stripes of light and dark green. It is a very showy variety of fair quality. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MAMMOTH IRONCLAD. A variety of undoubted excellence, of large size and weight, crops of it averaging nearly 50 lbs. each. The flesh is deep red and of a delicious rich flavor, holding its fine quality very close to the skin. In outside appearance it is somewhat like the Gypsy, but there the resemblance ends. For shipping and keeping qualities the Ironclad is unsurpassed. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MUSHROOM SPAWN.

We this year issue a pamphlet of instructions for Mushroom culture, which will be sent free with all orders for spawn. To all others on receipt of 10 cents. The spawn we offer is specially made for us three or four times each season, and is always fresh and in proper condition for planting.

English. 15 cts. lb.; \$1.00 for 8 lbs.; by mail, 25 cts. lb.

French. In boxes of 2 lbs., 75 cts.; if by mail, 95 cts.

NASTURTIUM, or INDIAN CRESS.

The seeds, while young and succulent, are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

Tall Nasturtium. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Dwarf Nasturtium. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

OKRA, or GUMBO.

German, *Essbarer*.—French, *Gombo*.—Spanish, *Quibombo*.

This vegetable is extensively grown in the Southern States. Its long pods when young are used in soups, stews, etc., and are believed to be very nutritious. It is of the easiest culture, and grows freely, bearing abundantly in any garden soil. It is sown at the usual time of all tender vegetables, in drills two inches deep, setting the plants from two to three feet apart.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

WHITE VELVET. (See *Novelties*, page 20.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Dwarf Prolific. A very early variety, with long, green, slender pods. Very dwarf and productive. 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

DWARF WHITE. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Improved Dwarf Green. Early and productive. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Long Green. Long ribbed pods. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

I have a fine crop of your "White Velvet" Okra. There are some plants $2\frac{1}{2}$ feet high with 22 pods on them from 7 to 9 inches long. It is a most remarkable and beautiful variety.—THOMAS McDORWELL, Rosedale, Atlanta, Ga., September 5th, 1888.

ONION.

WE wish to call particular attention to our exceptionally pure and fine stocks of **ONION SEED.** All the Onion Seed we offer is of 1888 crop, and is unusually plump and heavy, and we have (as is our invariable custom) given the seed the most thorough "sprouting tests," as it is called, and find the germinating percentage to average exceedingly high this season. In fact, in our trials every sample of Onion Seed sown made a green line in *ten days* from the time of planting. From the great care we have taken with this article, our Onion Seed trade has increased wonderfully in the last few years, and our seed is certain to give the same universal satisfaction as other specialties with which we have become identified. In the *new edition* of our *Mr. Peter Henderson's* book, "GARDENING FOR PROFIT," this most important crop is fully treated of, and all the latest known details of culture fully given.

1 oz. for 100 feet of drill; 5 or 6 lbs. in drills for an acre. If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8c. lb.

WHITE BUNCH. (See *Novelties*, page 11.) 15 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.50 lb.

NEW ADRIATIC BARLETTA. (See *Novelties*, page 11.) 15c. pkt.; 50c. oz.; \$2 $\frac{1}{4}$ lb.; \$6 lb.

Extra Early Flat Red. A light-colored Onion, good keeper, and the earliest of all. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

WETHERSFIELD LARGE RED. A favorite sort for general crop. A large yielder and a good keeper. (See *cut.*) 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.85 lb.

WHITE PORTUGAL OR SILVER SKIN. One of the leading sorts of white flat Onion. A most excellent keeper and good yielder. Largely grown for pickling. 10 cts. pkt.; 30 cts. oz.; 90 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

YELLOW GLOBE DANVERS. A globe-shaped variety; one of the best yielders, and a splendid keeper. (See *cut.*) 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.85 lb.

ROUND YELLOW DANVERS. An early variety, a good keeper, and an excellent market sort. It is of good size, and has a thin yellow skin. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.60 lb.

YELLOW DUTCH. A flat, yellow Onion; a good yielder, but not so desirable as other yellow sorts on account of its color and shape. It is one of the heaviest croppers. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.60 lb.

SOUTHPORT WHITE GLOBE. A handsome globular Onion, of mild flavor, and a good keeper. One of the very best. (See *cut.*) 10 cts. pkt.; 30 cts. oz.; 90 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

SOUTHPORT YELLOW GLOBE. Same shape as preceding; color yellow. An excellent keeper. Our stock of this is perhaps

the finest in the country. (See *cut.*) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

LARGE RED GLOBE. Differs from the preceding only in color. (See *cut.*) 10 cts. pkt.; 25 cts. oz.; 70 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

VIEW OF A SEED FIELD OF OUR YELLOW GLOBE DANVERS ONION. (From a Photograph.)

The following are **Italian Varieties**, and specially suited for cultivation in the **Southern States**:

NEW MAMMOTH POMPEII. (See *Novelties*, page 11.) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

QUEEN. This is the earliest of all onions, small, flat, white and mild flavored. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.75 lb.

NEAPOLITAN MARZAJOLA. An early white, flat onion of fine flavor. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

GIANT ROCCA. Very large growing variety of a reddish brown color. sweet. 10c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$2.00 lb.

LARGE WHITE ITALIAN TRI- globe-shaped va-
and excellent variety of quick
flavor. 10 cts.
pkt.; 20 cts. oz.;
60 cts. $\frac{1}{4}$ lb.;
\$2.00 lb.

LARGE RED ITALIAN TRIPOLI.

This has the same characteristics as the White Tripoli; distinct in color, however. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

NEW GIANT WHITE GAR-

GANUS. An Italian variety that combines, in a remarkable degree, earliness, large size and fine quality. Single onions of this variety, grown from seed the first season, have weighed as much as 3 lbs. As already stated, it matures early, is a white skinned and white fleshed variety, in shape somewhat flat, and of an exceedingly mild and delicate flavor. 15c. pkt.; 30c. oz.; 90c. $\frac{1}{4}$ lb.; \$3.00 lb.

Bermuda Onion Seed.

We again have pleasure in offering new crop seed of the true Bermuda Onion, the seed of which is often difficult to obtain.

Pale Red. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

White. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

Onion Sets.—Red Onion Sets, 30c. qt.; \$2.00 pk. **White,** 35c. qt.; \$2.50 pk. **Yellow,** 25c. qt.; \$1.75 pk. **Potato Onions,** 25c. qt.; \$1.75 pk. **Top, or Button Onions,** 30c. qt.; \$2.00 pk.

Shallots.—25c. qt.; \$1.50 pk. **Garlic Sets.**—40c. lb.

Those desiring to purchase Onion Seed in lots of 5 lbs. and upward are invited to write for special prices.

PEA, AMERICAN WONDER.

PEAS.

German, *Erbse*.—French, *Pois*.—Spanish, *Guizante*. 1 qt. for 75 feet of drill. 2 to 3 bushels in drills for an acre.

If sent by mail, 15 cts. qt. extra.

Some idea of the attention that Peas are receiving at our hands may be obtained when we state that in our Trial Grounds in Jersey City each season, we have growing side by side no less than 150 varieties, both new and old. Our trial of Peas is probably the most extensive on this side of the Atlantic, and it enables us to discard inferior sorts, and to offer in the following list only the best varieties. Peas come earliest to maturity in light, rich soil. For general crop, a deep loam, or a soil strongly inclining to clay, is best. For early crops decomposed leaves or leaf mould should be used, or if the soil is very poor, stronger manure may be used. For general crops a good dressing should be applied, and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, peas are never staked, and are sown in single rows, two or three inches deep, and from two to three feet apart, according to variety or the strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart, and the tall varieties staked up by brush, or, what is better, trained on the new garden trellis which is offered on page 93 of this catalogue. For an early crop sow in February, March or April, according to latitude, as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra early sort for fall use.

Extra Early.

BLUE BEAUTY. (See *Specialties*, p. 12.) 30 cts. pt.; 50 cts. qt.; \$3.00 peck.

EPICURE. (See *Novelties*, page 12.) 30 cts. pt.; 50 cts. qt.

HENDERSON'S FIRST OF ALL. The best extra early Pea, and unequalled either for market or private use. The pods are of good size, well filled with smooth, white, round peas of excellent flavor. For a field crop this variety should be sown in rows from 2 to 2½ feet apart, about 1½ bushels of seed being required to plant an acre. *Sold only in sealed packages.* (See *Specialties*, p. 20.) 15 cts. pt.; 25 cts. qt.; \$1.50 peck; \$5.00 bu.

IMPROVED DANIEL O'ROURKE. A favorite extra early variety. 15 cts. pt.; 25 cts. qt.; \$1.25 pk.; \$4.00 bushel.

Philadelphia Extra Early. A very desirable early variety, largely grown South. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bush.

Caractacus. An early productive Pea, of good flavor; one of the best early round kinds. 15c. pt.; 20c. qt.; \$1.25 peck; \$4.00 bu.

FIRST AND BEST. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

AMERICAN WONDER. Far better suited to the private than the market garden, as it is not productive enough to make it much grown as a market sort. It is very early, however, and requires no staking. The peas are wrinkled, and its distinctiveness consists in its extreme dwarf growth, which rarely exceeds 10 inches in height. It is of the finest quality. (See *cut.*) 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bush.

LAXTON'S ALPHA. The earliest of all the wrinkled Peas, of fine quality and very prolific; pods large and well filled; 3 feet. (See *cut.*) 15 cts. pt.; 25 cts. qt.; \$1.50 peck; \$5.00 bush.

Laxton's Minimum. A white, wrinkled sort; a prodigious bearer, exceedingly early, and very dwarf, and of splendid quality. One of the best varieties for forcing, either in the hot-bed or green-house. 15 cts. pt.; 25 cts. qt.; \$1.60 peck; \$5.50 bush.

McLEAN'S LITTLE GEM. A green wrinkled variety which comes into use a few days later than the First of All or Improved Daniel O'Rourke. It grows from 12 to 18 inches high, is very prolific, and of excellent flavor. 20 cts. pt.; 30 cts. qt.; \$1.60 pk.; \$6.00 bush.

HORSFORD'S MARKET GARDEN. (See *Specialties*, page 12.) 20 cts. pt.; 30 cts. qt.; \$2.00 peck; \$7.00 bush.

EXTRA EARLY PREMIUM GEM. A very fine dwarf pea of the Little Gem type, on which it is a great improvement. 20 cts. pt.; 30 cts. qt.; \$1.75 pk.; \$6.50 bush.

McLean's Blue Peter. This may be called a larger, better and earlier form of Tom Thumb, having blue seed. It is remarkably dwarf, very early, a capital bearer, and of excellent quality. 20 cts. pt.; 30 cts. qt.; \$1.75 pk.; \$6.00 bush.

Tom Thumb. Remarkably dwarf and early, of excellent quality, and yields abundantly; 1 foot. 20 cts. pt.; 30 cts. qt.; \$1.75 pk.; \$6.00 bushel.

KENTISH INVICTA. About five days later than the Improved Daniel O'Rourke; ripens all together; pods of a fine green color; very prolific, and of excellent flavor. One of the best for canning. A good market variety. 15 cts. pt.; 25 cts. qt.; \$1.25 pk.; \$4.00 bushel.

Second Early Varieties.

FILLBASKET. This variety is one of the best second early Peas in cultivation; dwarf growing; blue, of excellent flavor. 20 cts. pt.; 30 cts. qt.; \$1.75 peck; \$6.50 bush.

McLEAN'S ADVANCER. A second early variety and now a great favorite with growers in this neighborhood, among whom it is often known as the Early Champion. It is a green wrinkled variety of fine flavor. 15 cts. pt.; 25 cts. qt.; \$1.50 pk.; \$5 bu.

BLISS'S ABUNDANCE. A second early variety, attaining a height of from 15 to 18 inches. Pods 3 to 3½ inches long, roundish and well filled, containing 6 to 8 large wrinkled peas of excellent quality. This variety is remarkable for branching directly from the roots, forming a veritable bush, making it necessary to sow the seeds much thinner than usual. Six to eight inches apart in the rows is as near as the plants should stand; if the soil is very rich 8 inches is preferable. 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.50 bush.

For General Crop.

HENDERSON'S MIDSUMMER. (See *Novelties*, p. 12.) 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$10.00 bush.

SANDER'S MARROW. (See *Novelties*, p. 12.) 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$10.00 bush.

PAYNE'S CONQUEROR. Of the finest quality, tall growing. 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$10.00 bush.

DR. McLEAN. A green wrinkled pea, highly desirable. 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$10.00 bush.

YORKSHIRE GEM. (See *Novelties*, p. 12.) 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$10.00 bush.

AMERICAN CHAMPION. (See *Specialties*, p. 12.) 30 cts. pt.; 50 cts. qt.; \$3.50 peck; \$10.00 bush.

Owing to our late season, your Early Puritan Potato was not planted until May 24th. On the 24th of June I dug and ate a nice mess. Later I sent some for competition to our local fair, and carried off the premium. They are the greatest producers ever introduced.—M. J. SCANLAN, Hermosa, Custer Co., Dak., September 28th, 1888.

PEA, "PRIDE OF THE MARKET."

PEAS (General Crop). Continued.

BLISS'S EVER-BEARING. Height, 18 inches to 2 feet; foliage large. Pods, 3 to 4 inches in length, each producing 6 to 8 large wrinkled peas. Half an inch and over in diameter, and in quality unsurpassed. A continuous bearing variety, which gives it especial value for late summer and autumn use. It should be sown considerably thinner than other kinds, else the vines will become too crowded. 20 cts. pt.; 40 cts. qt.; \$2.00 peck; \$7.50 bush.

CHAMPION OF ENGLAND. This is yet, by general consent, acknowledged to be the best of the late varieties. It is a tall growing sort, attaining a height of 5 feet, and requires to be staked up. The pods and peas are of the largest size. 15 cts. pt.; 25 cts. qt.; \$1.60 peck; \$5.50 bush.

TELEPHONE. A tall, wrinkled marrow, enormously productive, and of the best quality. Is a strong grower, averaging 18 pods to the stalk. The pods are of the largest size, and contain from 6 to 7 large peas. A desirable sort for the family garden. 20 cts. pt.; 35 cts. qt.; \$2.25 peck; \$8.50 bush.

PRIDE OF THE MARKET. Is a strong growing Pea, attaining a height of from 18 to 24 inches, and is wonderfully productive. Not only is it unusually productive, but the pods are very large in size and very handsome

in appearance, and the peas when cooked are of such splendid quality that he who finds fault must indeed be hard to please. (See cut.) 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.50 bush.

BLUE IMPERIAL. One of the oldest varieties, but yet standing with undiminished merit as one of the best late summer sorts. Very productive, and of excellent quality; 3 feet. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.50 bush.

CULVERWELL'S TELEGRAPH. It is a second early sort and a strong grower, producing large pods, showing 10 to 12 large peas in each pod; 5 ft. Peas, when cooked, are of a deep green color, and of very fine flavor. 20 cts. pt.; 35 cts. qt.; \$2.25 pk.; \$8.00 bush.

G. F. WILSON. A main crop, green wrinkled pea, somewhat resembling Veitch's Perfection, and said by the best judges of peas to be a decided improvement on that valuable and popular variety. Height, 3 feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$9.00 bush.

YORKSHIRE HERO. A splendid wrinkled green marrow pea of branching habit and an abundant bearer. Seedsmen on both sides of the Atlantic find their sales for this variety constantly on the increase; 2½ feet. 15 cts. pt.; 25 cts. qt.; \$1.60 peck; \$5.50 bush.

VEITCH'S PERFECTION. A large and delicious marrow pea, and an abundant cropper; 4 feet. 20 cts. pt.; 35 cts. qt.; \$2.50 peck; \$8.00 bush.

JOHN BULL. One of the very best varieties ever sent out by the eminent English raiser, Mr. Laxton. A blue wrinkled variety. Height, 3 feet; and one of the most valuable and best of main crop peas. It is a very heavy cropper, and possesses an exceedingly rich flavor. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.50 bush.

LAXTON'S MARVEL. Height, 3 feet; a very prolific bearer, producing white wrinkled peas in handsome curved pods. 15 cts. pt.; 25 cts. qt.; \$1.50 peck; \$5.50 bush.

WHITE MARROWFAT. A favorite marrow sort; 6 feet. 10 cts. pt.; 15 cts. qt.; \$1.00 peck; \$3.00 bush.

BLACK-EYED MARROWFAT. This, as well as the preceding, is extensively grown as a field pea; hardy and productive, but not so fine flavored as most other varieties; 4 feet. 10 cts. pt.; 15 cts. qt.; \$1.00 peck; \$3.00 bush.

TALL SUGAR. (Edible pods.) Can be used either shelled or cooked in the pods, which when young are very tender and sweet; 5 feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$8.00 bush.

DWARF SUGAR. (Edible pods.) Similar to the last; height, 3 feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$8.00 bush.

STRATAGEM. By many this variety is considered the best of the numerous English peas introduced in late years. It is a dwarf, wrinkled, blue marrow, a very heavy cropper, and produces large, remarkably well filled pods of excellent flavor. (See cut.) 25 cts. pt.; 40 cts. qt.; \$2.75 peck; \$10.00 bush.

MELTING SUGAR. (See *Novelties*, page 12.) 50 cts. pt.; 80 cts. qt.; \$5.00 peck.

PARSLEY.

German, *Petersilie*.—French, *Persil*.—Spanish, *Perejil*.

1 oz. for 150 feet of drill.

Parsley succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart, and half an inch deep. For winter use protect in a frame or light cellar, or a few plants may be placed in pots or boxes and kept in the house for convenient use during the winter.

If by mail in quantities of ½ lb. and upward, postage must be added at the rate of 8c. per lb.

HENDERSON'S EMERALD. We wish to call special attention to this Emerald Parsley, for the reason that it is altogether distinct in appearance from any of the other varieties, being of a lighter and more brilliant shade of green. The plant is of dwarf habit, with leaves finely cut and curled. Growers for the markets of all large cities know how important it is for their sales to have a stock of Parsley that is "curly." To such, as well as to amateur cultivators, we commend this new sort. 10 cts. pkt.; 20 cts. oz.; 50 cts. ¼ lb.; \$1.50 lb.

EXTRA DOUBLE CURLED. A fine dwarf variety, beautifully curled; excellent for garnishing. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1.00 lb.

CHAMPION MOSS CURLED. A very select stock, beautifully crimped and curled. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1 lb.

Fern-Leaved. A very beautiful variety, being more like a crested fern or moss than Parsley; very valuable for table decoration. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1.00 lb.

Plain Parsley. The leaves of this sort are plain; it is harder than the curled variety; good for flavoring. 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 80 cts. lb.

Hamburg, or Turnip-Rooted. A fleshy-rooted kind; the roots used for flavoring soups. 5 cts. pkt.; 10 cts. oz.; 30 cts. ¼ lb.; \$1.00 lb.

PARSNIP.

German, *Pastinake*.—French, *Panais*.—Spanish, *Pastinaca*.

1 oz. per 200 feet of drill; 5 to 6 lbs. in drills for an acre.

Sow as early in spring as the weather will admit, in drills fifteen inches apart, covering half an inch deep. When well up, thin out to five or six inches apart in the rows. Unlike Carrots, they are improved by frost, and it is usual to take up in fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required.

If by mail in quantities of ½ lb. and upward, postage must be added at the rate of 8 cts. per lb.

LONG SMOOTH OR HOLLOW CROWN. Best for general use. (See cut.) 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 60 cts. lb.

The Student. A fine-flavored variety. 5c. pkt.; 10c. oz.; 30c. ¼ lb.; \$1.00 lb.

Early Round. An early variety, but of small size. 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 75 cts. lb.

LONG SMOOTH PARSNIP.

PEA, "STRATAGEM."

POTATO.

German, *Kartoffel*.—French, *Pomme de Terre*. In drills 3 feet apart. 12 to 14 bushels to the acre.

The Potato, like all robust growing vegetables, can be grown with varying success on soils of all kinds, and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to disease, and the flavor also is much inferior. In breaking up good pasture land, the decaying sod answers sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the hills and plowed in—the latter in most cases being preferable. If the soil is good but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry or absorbent nature, as plaster, lime, superphosphate of lime and bone dust. For wet soils these are particularly beneficial, as they not only promote growth, but prevent disease. Plant as early in spring as the ground can be had in fair working order, in hills or ridges, about three feet apart, covering in light, warm soils, about four inches deep, but in cold, wet situations, two and one-half or three inches will be sufficient.

Our Potatoes are all specially raised for seed purposes and are "Northern Grown." Prices this season are lower than last. Prices subject to variation. We deliver all Potatoes into the hands of transportation companies safely packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. In comparing our prices on Potatoes, remember we make no charge for barrels or cartage, but deliver F. O. B., N. Y., at prices quoted.

HENDERSON'S EARLY PURITAN.

(See colored plate and full description, p. 8.)

Price by mail, 40 cts. per lb.; 3 lbs. for \$1.00. At purchaser's expense, 30 cts. per lb.; \$1.25 per peck; \$4.00 per bushel; \$8.00 per bbl.

RURAL BLUSH. An excellent variety, having a beautiful blush skin, while the flesh is slightly tinged with pink. It is of first-rate quality and cooks through dry and evenly. In all localities that we have heard from, it has been found to be a very heavy yielder. 60 cts. peck; \$2.00 bushel; \$3.75 bbl.

CHARTER OAK. This, like the Perfect Peachblow, is a variety of recent introduction, and is remarkable alike for its fine appearance, great yield and splendid keeping qualities. The tuber is a large irregular oval, flattened; skin white and smooth; eyes bright pink; quality first class; vines large and vigorous. This variety combines in an unusual degree the qualities most desirable in a Potato for late keeping, and as such has already taken a leading position. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

PERFECT PEACHBLOW. The Perfect Peachblow Potato is of irregular globular form, medium to large size, skin russety, sometimes blotched with purple, especially near the stems. Eyes bright pink, very few and small, slightly indented. Flesh pure white, fine grain, cooks dry and mealy. Quality first class in every respect. It is a vigorous grower, of compact growth, and a large yielder. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

VANGUARD. The earliest variety. It has been fit to dig never less than ten, and often fourteen days before any other sort had matured. In yield, it is about on a par with other very early sorts, while in quality and flavor it is unsurpassed. The skin is the same color as the Early Rose, indented with few and shallow eyes; flesh white and mealy. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

EMPIRE STATE. A main crop variety, wonderfully productive. The skin is white and smooth, flesh pure white, of fine flavor, and cooks very evenly. The vines are rough and vigorous in growth; the roots are strong and extend deeply into the soil, although the tubers lie compactly in the hill at the proper depth and are easily dug. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

CLARKE'S No. 1. Said to be earlier than the Early Rose, and very productive. Cooks mealy; flavor excellent. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

ST. PATRICK. One of the handsomest varieties in cultivation, being exceedingly smooth and regular, with very few and shallow eyes. It is oblong in shape, a large yielder, and of the first quality. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

EARLY MAYFLOWER. Ripens at the same time as the Early Rose. Quality equal to the Snowflake. Tubers are of medium size and uniform; eyes few; flesh white and solid; vines grow strongly and are of a spreading habit. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

PEARL OF SAVOY. Is certainly very early, and, considering its extreme earliness, wonderfully productive. The tubers are oblong and of large size, the flesh pearly white and mealy. Its hardy and vigorous habit exempts it from disease where many other varieties succumb. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

EARLY SUNRISE. Introduced in 1883. Very early and productive. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

EARLY MAINE. Claimed to be an earlier and a better cropper than the Early Rose, and smoother and more regular in shape. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

EXTRA EARLY VERMONT. In general appearance similar to the Early Rose, but said to be harder and more productive. 75 cts. peck; \$2.00 bush.; \$3.75 bbl.

EARLY OHIO. Tubers almost round; flesh solid; cooks dry and mealy; very early. 70 cts. peck; \$2.00 bush.; \$4.00 bbl.

TRIUMPH. As an early variety this has given great satisfaction, particularly in the South. Very productive and of excellent quality. 70 cts. peck; \$2.00 bush.; \$4.00 bbl.

EARLY ROSE. The leading variety for earliness, quality and productiveness. 60 cts. peck; \$1.75 bush.; \$3.50 bbl.

BEAUTY OF HEBRON. One of the best early sorts; productive and of excellent flavor; a good keeper; pure white skin and flesh. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

WHITE STAR. Medium early and large cropper; cooking qualities of the best; a good keeper. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

MORNING STAR. A late sort, of better quality than most of the heavy croppers. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

JUMBO. Yields at least one-third more than the Peerless, which is a very heavy yielder. It seems to be entirely free from rot and is one of the very best keepers. The tubers are nearly round; skin white; eyes small and sunken; flesh white, of excellent flavor. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

WHITE ELEPHANT. Late, large, good quality and enormously productive. 60 cts. peck; \$2.00 bush.; \$3.75 bbl.

CHAS. DOWNING. One of the most promising of the new varieties, of oval, oblong form and pure white color. One of the earliest sorts, of splendid quality. Enormously productive. 70 cts. peck; \$2.00 bush.; \$4.00 bbl.

RURAL NEW YORKER, No. 2. (See *Specialties*, page 20.) \$15.00 bbl.; \$7.00 bush.; \$4.00 ½ bush.; \$2.50 peck; \$1.50 ½ peck; 50 cts. lb.; or by mail, post-paid, 60 cts. lb.; or 3 lbs. by mail prepaid, \$1.50.

All of the above varieties of Potatoes are Northern grown and from carefully selected seed stock.

Potato Seed, 50 cts. per packet.

Special prices for large quantities of Potatoes on application.

PEPPER.German, *Pfeffer*.—French, *Piment*.—Spanish, *Pimiento*.

Grown largely for pickles. Sow in hot-bed early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows eighteen inches apart. They may also be sown in the open ground when the danger of frost is past, and the soil is warm and weather settled. If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

RED CLUSTER. (See *Novelties*, page 13.) 15c. pkt.; 4 pkts. for 50c.**CHILD'S CELESTIAL.** 10c. pkt.; 50c. oz.; \$1.75 $\frac{1}{4}$ lb.

RUBY KING. An exceedingly large and handsome Pepper; the fruits are of a bright ruby red, from $4\frac{1}{2}$ to 6 inches long by 9 to 12 inches in circumference, which makes it one of the largest of Peppers. The flavor is remarkably mild, and it can be sliced and eaten with salt and vinegar like tomatoes and cucumbers, or it can be used as a salad. (See *cut*.) 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.

PEPPER, RUBY KING.

is a beautiful golden yellow. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

SWEET MOUNTAIN, or MAMMOTH. Similar to the Bull Nose, but larger and milder in flavor. Used to make stuffed pickles, "Mangoes." 10c. pkt.; 35c. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

SQUASH, or TOMATO SHAPED. Generally grown for pickling. Hardly so early as the Bull Nose, but very productive. A leading market variety. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

CRANBERRY. One of the best for pickling. The fruit closely resembles the Cranberry in appearance. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

LONG RED CAYENNE. The variety of commerce. Pods small, cone shaped; scarlet red when ripe. It is quite a late variety, but the pods are as frequently used for pickling green as when ripe. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

Long Yellow Cayenne. Similar in shape to the Long Red, but of a rich, glossy yellow; both varieties are very ornamental. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

Chili. (True.) Very piquant and prolific; very small slim fruits, generally used for making pepper sauce. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

Cherry Red. An exceedingly ornamental variety; fruit round, of a rich, glossy scarlet color. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.50 lb.

OXHEART. Medium size, heart shaped, very productive and piquant; excellent for pickling. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

PUMPKIN.German, *Kurbis*.—French, *Courge*.—Spanish, *Calabaza*.

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of corn or potatoes, but may be profitably raised in fields by themselves. Sow first of May, in hills 8 feet apart.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

JONATHAN. (See *Novelties*, page 11.) 15c. pkt.; 8 pkts. for \$1.00.

NANTUCKET. Has a hard shell and is one of the very sweetest Pumpkins in existence. When cooked, the flesh resembles the Hubbard Squash. 5c. pkt.; 10 cts. oz.; 30c. $\frac{1}{4}$ lb.; \$1 lb.

LARGE CHEESE.

The best variety for cooking purposes. (See *cut*.) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

LARGE CHEESE PUMPKIN.

JUMBO. The largest variety grown, often attaining a weight of 200 lbs. Very productive. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

CASHAW. In great favor in the Southern States. In appearance it much resembles the Winter Crookneck Squash; color white, striped and mottled with green. Flesh salmon colored. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Connecticut Field. Very productive; largely grown for feeding stock. 5 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

SUGAR. This variety is smaller than the Large Field, but of finer grain, sweeter and very prolific. First rate either for the table or for feeding to stock. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

RHUBARB.German, *Rhubarber*.—French, *Rhubarbe*.—Spanish, *Ruibarbo Bastardo*.

Sow in April, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In fall, or the following spring, transplant into deep, rich soil, about three feet apart each way. If propagated by dividing the roots, it may be done either in fall or spring, planting it at the same distance apart as given above. The large roots of Rhubarb are easily forced if taken up and packed closely together under the stage of a green-house or warm cellar, as no light is necessary for the development of the stalk.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

ST. MARTIN'S. A new Scotch variety. It is immensely productive, one of the earliest, and has a rich spicy flavor very similar to the gooseberry when used for pies or tarts. 25c. pkt. Linnaeus. Early, large and tender. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Victoria. Very large; later than Linnaeus. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

For price of Rhubarb Roots, see *Vegetable Plants*, page 139.

SCORZONERA, or Black Oyster Plant.

This vegetable requires the same treatment as Salsify, which it nearly resembles; it is not, however, so generally esteemed. Sow in drills eighteen inches apart, and thin out to nine inches from plant to plant.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

SEA-KALE.German, *Seekohl Meer Kohl*.—French, *Crambe Maritime*.—Spanish, *Breton de Mar*.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart; as this vegetable is only used, like celery, when blanched, the plants must be excluded from the light by covering up with leaves or litter.

10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

SORREL.

Broad Leaved. Much used for salads. 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

SALSIFY, or Oyster Plant.German, *Bocksart*.—French, *Salsifs*.—Spanish, *Ostra Vegetal*.

The Oyster Plant succeeds best in light, well enriched, mellow soil, which, previous to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in spring in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half in depth, and when the plants are strong enough, thin out to six inches apart.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

WHITE FRENCH. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

NEW SANDWICH ISLAND MAMMOTH. (See *cut and description*, page 13.) 15c. pkt.; 75c. oz.; \$2.00 $\frac{1}{4}$ lb.; \$6.00 lb.

RADISH.

German, *Rettig, Radieschen*.—French, *Radis, Rave, Petite Rave*.—Spanish, *Rabano*.

1 oz. for 100 feet of drill; 9 to 10 lbs. in drills for an acre.

Radishes thrive best in a light, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior both in appearance and flavor. For a successive supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February, care being taken to give plenty of ventilation, otherwise they will run to leaves.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. lb.

RED FORCING TURNIP. It has a peculiar value to market-gardeners, in the fact that the tops are exceedingly small and short, rendering it most useful for forcing either in the greenhouse or in frames. The tops are smaller than we have ever met with in any variety of radish; in all other respects, however, it is identical with our Early Round Dark Red, which has proven so valuable for forcing. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

EARLY SCARLET GLOBE RADISH.

EARLY SCARLET GLOBE. A new variety of distinct shape and brilliant color, short leaved; flesh very crisp and white, an excellent variety for forcing. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.75 lb. (See cut.)

RED ROCKET. (See *Novelties*, page 11.) 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

LONG SCARLET SHORT TOP. This variety is grown the country over in rather the largest quantity, as from its shape (when tied up in flat bunches) it is best suited to ship. In rich, light soils its average length is about 9 inches. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

EARLY SCARLET TURNIP. More delicate in flavor than the above, and for this reason in more demand for home consumption. By allowing it a sufficient time to grow it attains three inches in diameter, but it is always gathered about half this size. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65c. lb.

EARLY ROUND DARK RED. The shape is the same as that of the Early Scarlet Turnip, and it differs only in the skin being darker in color and making much smaller tops. On this account it is now very largely used for forcing in both frames and green-houses. This and the preceding variety are the sorts that are grown most largely for early market in this vicinity. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

WOOD'S EARLY FRAME. Comparatively few growers are aware of the fact that it is over *ten days* earlier than the Long Scarlet Radish, which it very much resembles, although not quite so long. An excellent variety for forcing. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

FRENCH BREAKFAST. A variety of quick growth, very mild and tender, and one of the best for forcing. Oval form, scarlet tipped with white. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65c. lb.

Olive Shaped Scarlet. Oblong shaped; flesh rose colored; a good summer variety. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75c. lb.

White Olive Shaped. A very valuable forcing variety. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

EARLY ROUND DARK RED RADISH.

WHITE TIPPED SCARLET TURNIP. An early variety of medium size, very handsome in appearance and of excellent flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb. (See cut.)

YELLOW SUMMER TURNIP. Grows to a large size; excellent to stand the heat and drought of summer. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

LONG WHITE VIENNA (Lady Finger). This is the finest Long White Radish in cultivation. Most beautiful in shape; skin and flesh are pure snow white; crisp and of rapid growth. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

LONG PURPLE. Similar in all respects to the Early Long Scarlet, excepting color, which is a deep purple. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

BECKERT'S CHARTIER. Decidedly distinct in appearance from any Radish in cultivation. The color at the top is crimson, running into pink about the middle, and from thence downward it is pure, waxy white. It will attain a very large size before it becomes unfit for the table. (See cut.) 5c. pkt.; 15c. oz.; 40c. $\frac{1}{4}$ lb.; \$1.25 lb.

EARLY WHITE TURNIP. Very early, flesh and skin white. Grown for mixing in with bunches of red radishes. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65c. lb.

GIANT WHITE STUTTGART. A quick growing and therefore very early sort. It is of the largest size, and both flesh and skin are pure white. It is of fine quality, firm and brittle, never gets pithy, so that it can be used at any stage of growth. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

BLACK SUMMER TURNIP. A Summer variety of excellent quality. While it does not grow to so large size, it stands longer and does not get pithy as quickly as many other sorts. On this score alone it is to be recommended. 5 cts. pkt.; 10 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

WHITE SUMMER TURNIP. Excellent for summer use; of mild flavor. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

VIOLET TURNIP WHITE TIPPED. This is desirable as an early sort, being a rapid grower and of good quality. The upper portion is a deep violet color, the lower portion a good clear white. Like all so-called "white tipped" sorts, it is better pulled young. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

VIOLET OLIVE SHAPED WHITE TIPPED. A variety similar to the preceding, differing only in shape. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

WHITE STRASBURG. Suitable alike for market and private gardens. It is of the tapering shape, both skin and flesh white. It is an excellent summer variety, being tender, crisp and of fine flavor, and a quick grower. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Gray Summer Turnip. An excellent variety for summer use. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Long White Naples. Flesh white, crisp and mild. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

ROSE CHINA WINTER. Bright rose color; flesh firm and piquant; fine for winter use. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

GRAY LONG WINTER. An exceedingly fine winter variety; grows somewhat larger than the Black Spanish; good keeper, and of a gray color. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

LONG BLACK SPANISH. One of the hardiest and best for winter use. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

ROUND BLACK SPANISH. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

Long White Spanish. Rather milder in flavor than the Long Black Spanish. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

CALIFORNIA MAMMOTH WHITE WINTER. A giant white fleshed Fall radish of excellent quality. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

WHITE-TIPPED SCARLET TURNIP RADISH.

BECKERT'S CHARTIER RADISH.

SQUASH.

German, *Kurbiss*.—French, *Courge*.—Spanish, *Calabasa Tomtana*.
Bush sorts, 1 oz. for 50 hills. *Bush varieties*, 5 to 6 lbs. and
Running varieties, 3 to 4 lbs. in hills, for an acre.

EARLY PROLIFIC MARROW SQUASH.

Squashes are of luxuriant and vigorous growth, and although they will grow readily on almost any soil, they will well repay generous treatment. Like all vegetables of this class, it is useless to sow until the weather has become settled and warm. Light soils are best suited for their growth, and it is most economical of manure to prepare hills for the seeds in the ordinary manner by incorporating two or three shovelfuls with the soil for each hill. For the bush varieties, from three to four feet each way, and for the running sorts, from six to eight feet. Eight or ten seeds should be sown in each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

EARLY PROLIFIC MARROW. A new fall or winter variety. It is a decided improvement on the Boston Marrow Squash, being earlier and more productive, commending it to market gardeners, while its brilliant orange red color and fine keeping and cooking qualities will make it popular with the consumer. It is of medium size and of excellent quality. (See cut.) 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

HENDERSON'S GOLDEN CUSTARD. (See *Novelties*, page 13.) 30 cts. pkt.; 4 pkts. for \$1.00.

NEW PROLIFIC SUGAR. Ripens quite early and continues in bearing until killed by the frost. The rind is a dark cream color, smooth, slightly ribbed, and of about the hardness of the Cushaw; flesh white, turning to light cream when ripe. It is eminently a pie Squash, making a light colored pie, not much darker than a custard. 10c. pkt.; 25c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.50 lb.

EGG PLANT SQUASH. (See *Specialties*, page 19.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

BAY STATE. (See *Novelties*, page 13.) 10 cts. pkt.; 40 cts. oz.

PERFECT GEM. Equally desirable either as a summer or winter Squash. The Squashes are from 4 to 6 inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed. The flesh cooked is dry, sweet, and rich in flavor, and free from the strong taste often found in winter sorts. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

THE SIBLEY. The form is entirely new, having the stem at the swelled end. The shell is pale green, very hard, but so thin and smooth as to occasion the least possible waste in baking. Flesh is solid and thick, a brilliant orange color, and of rare edible qualities, being dry, and it has a rich, delicate flavor. Weight from 8 to 11 lbs. In productiveness, the new Sibley Squash has decidedly the advantage of either

SIBLEY SQUASH.

the Hubbard or Marblehead; it moreover ripens its fruit so evenly that nearly the whole crop may be gathered at one picking. (See cut.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

WHITE BUSH SCALLOPED. This and the Yellow Bush are esteemed the earliest, and are grown almost exclusively for first crop. From the hard texture of the rind it is well suited for shipping and they are grown exclusively at the South for that purpose. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

YELLOW BUSH SCALLOPED. Differs from the above only in color. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

BUSH SUMMER CROOKNECK. A much esteemed variety in private gardens, somewhat similar in growth to the preceding, but rather more dwarf. The fruit is orange yellow covered with warty excrescences. It is considered the best flavored of the summer varieties. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

PINEAPPLE. A fall and winter variety. The color of the skin is a creamy white. In time of ripening it comes in with the Perfect Gem, and is of excellent quality when quite young, and keeps well all winter. A very prolific variety, yielding from five to eight Squashes to each vine. The flesh is also of a creamy white color, fine grain and splendid quality, having a rich cocoanut flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

GREEN STRIPED BUSH, or BERGEN. A small white Squash, with green stripes, of excellent flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Butman. A fine grained and distinct variety; dry, sweet and delicious flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

BOSTON MARROW. This variety may be termed second early, coming in about ten days after the Bush and Crookneck sorts. The skin, which is of a yellowish shade, is very thin, the flesh dry and fine grained, and of unsurpassed flavor. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MARBLEHEAD. An excellent variety resembling the Hubbard. The flesh is rather lighter in color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable. It yields equal to the Hubbard, and its keeping qualities are said to be better. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MAMMOTH CHILL. Grows to an immense size, often weighing over two hundred pounds; excellent for all uses. 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

COCOANUT. Very prolific, producing six to twelve on a vine. Outer color light yellow, the bottom of the fruit being of a rich green hue. Quality first class. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

HUBBARD. More largely grown

as a late sort than any other. It is of large size, often weighing from nine to ten pounds. Color bluish green, occasionally marked with brownish orange or yellow. Flesh fine grained, dry and of excellent flavor. It can be had in use from September to May. Plant in hills eight feet apart. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

HUBBARD SQUASH.

ESSEX HYBRID. This is not only one of the richest flavored, finest grained and sweetest of all Squashes, but it is also one of the very best keepers that we know of. The flesh is very thick, rich colored and solid. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Winter Crook Neck. A variety largely grown in some of the Eastern States; flesh close grained, sweet and fine flavored; plant in hills nine feet apart. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

American Turban. Flesh orange yellow; thick, fine grained and well flavored; an excellent variety for use in the fall and early winter. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

VALPARAISO. A South American variety, which promises to become a standard sort. It is of large size, enormously prolific, and excellent quality. 5c. pkt.; 10c. oz.; 30c. $\frac{1}{4}$ lb.; \$1.00 lb.

VEGETABLE MARROW. A favorite English sort. The fruit is very variable in size, from nine to eighteen inches in length, and from four to six inches in diameter. Skin a greenish yellow, flesh white, soft, and of rich flavor. This is entirely distinct from all of the preceding. Plant eight feet apart. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

SPINACH.

German, *Spinat*.—French, *Epinard*.—Spanish, *Espinaca*.

1 oz. for 100 feet of drill. 10 to 12 lbs. in drills for an acre.

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with the frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

THICK LEAVED SPINACH.

HENDERSON'S NORFOLK SAVOY-LEAVED. Produces nearly twice the weight of crop as the older varieties, and has a further merit in the fact that it is the hardiest of all varieties of Spinach. In appearance the leaf is wrinkled in the same way peculiar to the Savoy Cabbage. Hence the name. It should not, however, be sown in spring in the latitude of New York, as it is almost certain to run to seed if then sown. 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

THICK LEAVED. One of the best market sorts. It produces a large, thick, strong green leaf somewhat crumpled, and possesses the valuable quality of standing a long time before running to seed. (See cut.) 5 cts. pkt.; 10 cts. oz.; 15c. $\frac{1}{4}$ lb.; 40c. lb.

LONG STANDING. Except in the characteristic of standing a long time before running to seed, this variety in all other respects closely approaches the well known Round Leaf. 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

ROUND LEAF. This is the variety so generally cultivated for winter use, being very hardy, standing our severest winters with little injury. 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

LARGE ROUND LEAF VIROFLAY. A newer sort with very large thick leaves. 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.

PRICKLY. Although this variety is usually sown in the spring and summer it also stands well in winter, but gives less bulk per acre than the others named. 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. per lb.

New Zealand. Produces leaves in great abundance throughout the summer; should be raised in heat and transplanted three feet apart each way into light, rich soil. 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

TOMATO.

German, *Liebesapfel*.—French, *Tomate*.—Spanish, *Tomate*.

1 oz. for 1,500 plants; $\frac{1}{4}$ lb. (to transplant) for an acre.

LIVINGSTON'S BEAUTY TOMATO.

This vegetable is now perhaps one of the most important of garden products. The seed should be sown in a hot-bed, green-house, or inside the window or sitting-room, where a night temperature of not less than 60 degrees is kept, about the first week in March, in drills five inches apart and half an inch deep, or broadcast if desired. When the plants are about two inches high they should be set out in boxes three inches deep, four or five inches apart, in same temperature, or removed into small pots, allowing a single plant to a pot. They are sometimes transplanted a second time into larger pots, by which process the plants are rendered more sturdy and branching. About the middle of May, in this

latitude, the plants may be set in the open ground. They are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotted manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of room or kitchen. Tomatoes will always produce greater crops and be of better flavor when staked up or when trained against walls or fences.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

NEW DWARF CHAMPION. (See Novelties, page 8.) 15 cts. pkt.; 9 pkts. for \$1.00.

THE MIKADO. (See Specialties, page 21.) 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

THE SHAH (YELLOW). (See Novelties, page 14.) 25 cts. pkt.; 5 pkts. for \$1.00.

THE LORILLARD. (See Novelties, page 14.) 25 cts. pkt.

VOLUNTEER. (See Novelties, page 14.) 15 cts. pkt.; 8 pkts. for \$1.

LIVINGSTON'S BEAUTY. A variety sent out by the originator of the Acme, Paragon, Favorite and Perfection Tomatoes, and is simply another one of that remarkable series, resembling closer than any one of those mentioned the Acme, being a little lighter tint of purple. It grows in clusters, is a good yielder, continuing late in the season. It ripens with the Acme and Perfection, which, however, are not known as early sorts. It is a good sort for shipping on account of its solidity and toughness of skin. (See cut.) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

THE CARDINAL.

Color brilliant cardinal red when ripe, appearing as if varnished, flesh of almost as bright a color. In shape almost round, solid, and with very few seeds. (See cut.) 5 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

LIVINGSTON'S FAVORITE. One of the largest and most perfect shaped varieties. Ripens evenly and early, and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh, and bears shipping long distances. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

MAYFLOWER. Very early. The shape is perfectly globular, slightly flattened and perfectly smooth. Of a glossy red color, and ripens perfectly and evenly close up to the stem. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

PERFECTION. The fruit is larger in size than the Acme, and a little smaller than the Paragon; color blood red; it is as early as the Canada Victor (one of the first to ripen), almost round in shape, perfectly smooth and very solid, of the best quality, enormously productive, bearing all through the season until frost. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

ACME. This Tomato is one of the earliest and handsomest varieties ever introduced. The fruit is of medium size, perfectly smooth and regular in shape, very solid and a great bearer. Color quite distinct, being crimson, with a pinkish tinge. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

GOLDEN SUNRISE. Any description would fail to do this variety justice. It is of the Queen shape; color pure bright yellow, and, unlike other yellow varieties, has all the flavor of the best red sorts. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

The Conqueror. One of the earliest varieties; fruit of good size, very uniform in shape. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3 lb.

OPTIMUS. This is a very smooth variety, uniform in size and shape, ripens evenly, and is of a bright red color. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

THE CARDINAL.

TOMATOES.—Continued.

PARAGON. The description of the Acme will answer for this in all respects, except that in the Paragon the color is of a bright, glossy crimson, entirely free from the pinkish tinge characteristic of the Acme. 10 cts. pkt.; 25 cts. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.

THE TROPHY. No Tomato ever introduced created the furor this did when it was first brought out. It is unsurpassed in size, flavor and productiveness. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

TROPHY, EXTRA SELECTED. Saved only from specimens of perfect form, weighing from 16 to 24 ounces. 15 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

ESSEX HYBRID. Quite an early variety, attaining a large size, perfectly smooth, and of a bright pink color, closely resembling Acme, but larger and less liable to rot. 5 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

GENERAL GRANT. A very superior variety; fruit large, of good quality, and ripens rapidly and thoroughly. 5 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

HATHAWAY'S EXCELSIOR. Early, of medium size, smooth, very solid, of good quality. 5c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.

CANADA VICTOR. One of the earliest, of medium size, very symmetrical in shape. 5 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

QUEEN. A variety that has been specially recommended to us for canning, and which is grown around Baltimore for this purpose; fruit somewhat resembles the Trophy in appearance. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

GOLDEN ROD. Identical in form and size with the well known Trophy, but in color a beautiful canary yellow, sometimes streaked lightly with red. Well suited for preserving as well as for table. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

Pear Shaped. Used for preserving and pickling. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

Yellow Plum. A beautiful variety, used principally for pickling. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

Red Cherry. A small early variety, size and shape of a cherry; for pickling. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

Red Currant. A very small and pretty sort, grown for preserves. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

Greengage. Resembling a yellow plum in shape and color; excellent for preserving. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

Strawberry, or Winter Cherry. The fruit has a pleasant strawberry-like flavor, and is esteemed by many. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

TURNIP.

German, *Steckrübe*.—French, *Navel*.—Spanish, *Nabo Coman*.

1 oz. for 150 feet of drill; 1 to 2 lbs. in drills for an acre.

Turnips do best in highly enriched, light, sandy or gravelly soils; commence sowing the earliest varieties in April in drills from twelve to fifteen inches apart, and thin out early to six or nine inches in the rows. For a succession sow at intervals of a fortnight until the last week in July, from which time until the end of August sowings may be made for the fall and main crops. Turnips may be preserved until spring by cutting off the tops about one inch from the bulb, and storing in a cellar or cool shed during winter, covering the roots with dry sand; they should be harvested before severe frosts set in, for though comparatively hardy, few of the varieties will survive the winters of the Northern States in the open ground.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cents per lb.

RED TOP STRAP LEAF.

solid, with a very slender tap root; flesh pure white, sweet and crisp. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

BURPEE'S BREAD STONE.

(See *Novelties*, page 13.) 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 per lb.

RED TOP STRAP LEAF. Rapid grower and of mild flavor; the most popular variety for early use, either for the table or stock. (See *cut.*) 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

EXTRA EARLY MILAN. A strap leaf variety, a week earlier than the ordinary early sorts. It retains its good qualities and remains a long time fit for use. The bulbs are white, with a purple top, round, flattened and solid, with a very slender tap root; flesh pure white, sweet and crisp. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

EXTRA EARLY PURPLE TOP MUNICH. This occupies the same place among Turnips that the Egyptian variety does among the Beet family—that of being earliest of all. (See *cut.*) 5c. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Early White Strap Leaf. Differs from the preceding only in color. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

Early Snowball. Small, solid, sweet and crisp, and also of remarkably quick growth. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

WHITE EGG. Its shape is nearly oval or egg; flesh very firm and fine grained, thin and perfectly smooth skin, and both flesh and skin are of snowy whiteness. Its flavor is of the very best, mild and sweet. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

POMERANIAN WHITE GLOBE. Valuable alike for the table and for stock. Not so early as the flat sorts. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Large White Norfolk. A very large growing, globe shaped variety; flesh coarse grained and sweet; one of the best early varieties for stock, but not so desirable for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

LONG WHITE or COW HORN. Matures very quickly; roots shaped like a Carrot, about half of which is formed above ground; flesh white, fine grained and sweet, and of excellent quality for table use. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

PURPLE TOP WHITE GLOBE TURNIP.

PURPLE TOP WHITE GLOBE. An early variety, globe shaped; heavy cropper; in other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other

varieties of early Turnip for market garden purposes. (See *cut.*) 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

GOLDEN BALL (ROBERTSON'S). Rapid grower, excellent flavor, globe shaped, and of a beautiful, bright yellow color, a good keeper, and has no superior for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

YELLOW STONE. One of the best and most popular yellow fleshed varieties for table use; it is equally good for feeding stock. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

YELLOW GLOBE. One of the best varieties for general crop; flesh very firm and sweet, and keeps well until late in spring; grows to a large size, and is excellent both for stock and table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Early Flat Dutch. An excellent garden variety resembling White Strap Leaf, the best variety for spring sowing. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

Yellow Malta. An early variety of fine flavor. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Purple Top Yellow Aberdeen. Very hardy and productive, good keeper, globe shaped; very hard, and fine quality. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

Teltow, or Small Berlin. The smallest of all Turnips; roots are spindle-shaped, and formed entirely underground. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

Seven Top (for Turnip Greens). 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Ruta Baga, Russian, or Swedish Turnip.

See *Farm Seeds*, page 47.

TOBACCO SEED.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

Sterling. This is one of the earliest to ripen, and considered one of the best of the yellow type. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Granville County Yellow. This is also one of the earliest varieties in cultivation, and is a great favorite. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Tuckahoe. New, and preferable to most of the old varieties as possessing more body; leaf long and extra fine and makes perfect wrappers. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Gold Leaf. This variety cures orange rather than lemon color, and is a first class tobacco for either wrappers or fillers. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Hester. This new variety ripens early, and has size of leaf, shape, texture and color to recommend it; it seems to be better adapted to wide range of soil and latitude than any other yellow variety. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Yellow Oronoko. A yellow variety that has been in cultivation for over fifty years, and is still considered one of the best sorts. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Hyco. A very desirable variety of fine texture and good flavor. Cures yellow. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

TOBACCO, PRIMUS.

Yellow Pryor. A valuable yellow sort. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

White Stem. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Florida. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Sumatra. 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

Primus. The earliest sort of all; succeeds well in Canada, and is specially adapted for planting far north. (See cut.) 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

Connecticut Seed Leaf. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

Imported Havana. 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

Virginia (Ruffled Leaf). 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Kentucky. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Maryland. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

BIRD SEEDS.

(Prices variable.)

If by mail, postage must be added at the rate of 8 cents per lb., or 15 cents per quart.

Canary. Best Sicily (*Phalaris Canariensis*). 15 cts. qt.; \$3.50 bu.

Hemp (*Canabis Sativa*). 15 cts. qt.; \$3.50 bu.

Lettuce. 10 cts. oz.; 50 cts. lb.

Maw (*Papaver Rhæas*). 30 cts. lb.

Millet (*Panicum Miliaceum*). 15 cts. qt.; \$3.50 bu.

Rape (*Brassica Napus*). 30 cts. qt.; \$6.00 bu.

Mixed Bird Seed. 20 cts. qt.; \$4.00 bu.

Vetches for Pigeons. 10 cts. lb.; \$3.00 bu.

SWEET, POT and MEDICINAL HERBS.

No garden is complete without a few herbs for culinary or medicinal purposes, and care should be taken to harvest them properly. This should be done on a dry day, just before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring, in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance apart.

Anise (*Pimpinella Anisum*). Cultivated principally for garnishing and seasoning, like Fennel. 5 cts. pkt.; 15 cts. oz.

Balm (*Melissa Officinalis*). Principally used for making balm tea or balm wine. 10 cts. pkt.; 50 cts. oz.

Basil, Sweet (*Ocimum Basilicum*). The leaves and tops of the shoots are the parts gathered, and are used for highly seasoned dishes, as well as in soups, stews and sauces; a leaf or two is sometimes introduced into salads. 10 cts. pkt.; 40 cts. oz.

Bene (*Sesamum Orientale*). 5 cts. pkt.; 20 cts. oz.

Borage (*Borago Officinalis*). Excellent for bees. 5c. pkt.; 20c. oz.

Caraway (*Carum Carai*). Chiefly cultivated for the seed, which is used in confectionery and medicine; in spring the under leaves are sometimes put in soups. 5 cts. pkt.; 10 cts. oz.

Castor Oil Plant (*Ricinus Communis*). 5 cts. pkt.; 15 cts. oz.

Catnip (*Nepeta Cataria*). 15 cts. pkt.; 60 cts. oz.

Coriander (*Coriandrum Sativum*). Cultivated for garnishing, but more frequently for its seeds, which are used by confectioners. 5 cts. pkt.; 15 cts. oz.

Cumin (*Cuminum Cyminum*). 5 cts. pkt.; 20 cts. oz.

Dill (*Anethum Graveolens*). The leaves are used in soups and sauces, and to put along with pickles. 5 cts. pkt.; 15 cts. oz.

Ellecampane (*Inula Helenium*). Has valuable tonic properties. 15 cts. pkt.; 60 cts. oz.

Fennel (*Anethum Feniculum*). The leaves boiled enter into many fish sauces, and raw form a beautiful ornament. 5c. pkt.; 15c. oz.

Henbane (*Hyoscyamus Niger*). 5 cts. pkt.; 20 cts. oz.

Hop Seed (*Humulus Lupulus*). 25 cts. pkt.; \$1.50 oz.

Horehound (*Marrubium Vulgare*). Principally used for medicinal purposes. 10 cts. pkt.; 50 cts. oz.

Hyssop (*Hyssopus Officinalis*). The leafy tops and flowers are gathered and dried for making Hyssop Tea, and other purposes. 10 cts. pkt.; 30 cts. oz.

Lavender (*Lavandula Spica*). A popular aromatic herb. 10 cts. pkt.; 40 cts. oz.

Marigold, Pot (*Calendula Officinalis*). 5 cts. pkt.; 20 cts. oz.

Marjoram, Sweet (*Origanum Majorana*). For seasoning. 10 cts. pkt.; 30 cts. oz.

— **Pot** (*Origanum Onites*). 10 cts. pkt.; 50 cts. oz.

Opium Poppy (*Papaver Somniferum*). 5 cts. pkt.; 30 cts. oz.

Rosemary (*Rosemarinus Officinalis*). An aromatic herb. 10 cts. pkt.; 50 cts. oz.

Rue (*Ruta Graveolens*). Used for medicinal purposes; also given to fowl for the roup. 10 cts. pkt.; 30 cts. oz.

Saffron (*Carthamus Tinctorius*). 5 cts. pkt.; 15 cts. oz.

Sage (*Salvia Officinalis*). The leaves and tender tops are used in stuffing and sauces. 5c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.

Savory, Summer (*Satureia Hortensis*). Used for seasoning. 5 cts. pkt.; 25 cts. oz.

Savory, Winter (*Satureia Montana*). 10 cts. pkt.; 40 cts. oz.

Sorrel, Broad-leaved. Used for salads. 5 cts. pkt.; 20 cts. oz.

Thyme, Broad-leaved (*Thymus Vulgaris*). For seasoning, etc. 10 cts. pkt.; 40 cts. oz.; \$1.50 $\frac{1}{4}$ lb.

Tansy (*Tanacetum Vulgaris*). 10 cts. pkt.; 50 cts. oz.

Wormwood (*Artemisia Absinthium*). Used for medicinal purposes; it is also beneficial to poultry, and should be planted in poultry grounds. 10 cts. pkt.; 50 cts. oz.

FRUIT SEEDS.

If by mail, postage must be added at the rate of 8 cents per lb., or 15 cents per quart.

Apple Seed. 40 cts. qt.; \$10.00 bu.

Cherry Pits, Mahaleb. 50 cts. lb.

Currant, Red. 15 cts. pkt.; 50 cts. oz.

“ **White.** 15 cts. pkt.; 50 cts. oz.

“ **Black.** 15 cts. pkt.; 50 cts. oz.

Gooseberry, Red. 25 cts. pkt.; \$1.50 oz.

“ **Yellow.** 25 cts. pkt.; \$1.50 oz.

“ **Green.** 25 cts. pkt.; \$1.50 oz.

Peach Pits. 10 cts. qt.; \$1.75 bu.

Pear Seed. 25 cts. oz.; \$2.50 lb.

Quince Seed. 25 cts. oz.; \$2.50 lb.

Raspberry Seed. 15 cts. pkt.; 75 cts. oz.

Strawberry Seed. 15 cts. pkt.; \$1.00 oz.

“ **Red Alpine.** 25 cts. pkt.

DEPARTMENT of FARM SEEDS

Root Crops for Farm Stock.

These are not grown as extensively in America as they might be. Every farmer should have a few acres of agricultural root crops on his farm, and he will find them invaluable for feeding his stock during the winter. Many have the idea that it is impossible, or at least difficult, to protect such crops during the winter, but when it is considered that in Canada they are much more largely grown than in the United States, and that they can be "pitted" with safety even in the most rigorous winter, it will be readily seen that this idea is erroneous. For the latest information as to the best method of wintering roots of this kind, consult our book, "**How the Farm Pays**," which is invaluable to the practical farmer, and which occupies the same position in agricultural literature that our "**Gardening for Profit**" does in horticultural. "**How the Farm Pays**" (value \$2.50) is offered as a premium with every \$20.00 order. Valuable hints on this subject are also given in our "**Garden and Farm Topics**" (value \$1.50), which is offered as a premium with every \$5.00 order. For particulars, see page 146.

MANGEL WURZEL.

If by mail in quantities of $\frac{1}{2}$ lb. and upwards, add postage at the rate of 8 cts. per lb.

The following varieties are grown for feeding stock:

HENDERSON'S COLOSSAL LONG RED MANGEL.

PETER HENDERSON'S REVISED ESSAY ON THE CULTIVATION OF "ROOT CROPS FOR FARM STOCK," WILL BE FOUND IN OUR BOOK, "GARDEN AND FARM TOPICS."

The best time for sowing in the latitude of New York is from May 1st to the 15th. The time must of course be varied according to locality. Probably the best guide in all sections is to sow from eight to ten days before the time that Corn is usually planted. Sow 8 lbs. per acre.

HENDERSON'S COLOSSAL LONG RED. The roots are smooth and regular, of the largest size, and blood red color. The quality is exceedingly nutritious, and in all respects the variety is most distinct and valuable. (See cut.) 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. lb.

HENDERSON'S GIANT INTERMEDIATE. This is a variety between the Golden Tankard and Yellow Globe. It is larger than the Tankard, not such a rich golden color, but a heavier cropper. 60 cts. lb.; in lots of 10 lbs. and upwards, 50 cts. lb.

YELLOW OVOID. In shape this sort is intermediate between the Long and Globe varieties. A very nutritious and valuable variety. 35 cts. lb.; in lots of 10 lbs. and upward, 30 cts. lb.

YELLOW GLOBE. Roots of large size and globular form; very productive; keeps better than the Long Red, and is better adapted for growing in shallow soils. 30c. lb.; in lots of 10 lbs. and upward, 25 cts. lb.

LONG YELLOW. Differs from the Long Red only in color. 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. lb.

HENDERSON'S RED GLOBE. A variety similar to the Yellow Globe in shape and size, and differing only in color. 40 cts. lb.; in lots of 10 lbs. and upward, 35 cts. lb.

GOLDEN TANKARD. The flesh is bright golden yellow, and in this respect differs from all other varieties, which cut white. The Golden Tankard is an exceedingly popular variety in Great Britain, where it is considered particularly valuable on account of its nutritious and milk producing qualities. Sheep have a preference for this sort over other Mangels; it is said that they will pick out every piece of Golden Tankard before touching others. It yields under the best cultivation 75 tons per acre. (See cut.) 45 cts. per lb.; in lots of 10 lbs. and upward, 40 cts. lb.

Long Red. This variety is more generally grown for agricultural purposes than any other, producing roots of large size and excellent quality. 30 cts. lb.; in lots of 10 lbs. and upward, 25 cts. lb.

HENDERSON'S CHAMPION YELLOW GLOBE. Smooth, globe-shaped roots, of large size and excellent quality, are the distinctive features of this variety. 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. lb.

SUGAR BEET.

WHITE. Attains a large size and is extensively grown for feeding; largely cultivated in France for the manufacture of sugar. 40 cts. lb.; in lots of 10 lbs. and upward, 35 cts. lb.

VILMORIN'S IMPROVED WHITE. A greatly improved variety of the preceding. 60 cts. lb.; in lots of 10 lbs. and upward, 55 cts. per lb.

LANE'S IMPERIAL. An improved variety of the French Sugar Beet, obtained by careful selection in this country, and recommended as being hardier, more productive, and containing a greater percentage of sugar than the ordinary variety. 40 cts. lb.; in lots of 10 lbs. and upward, 35 cts. lb.

GOLDEN TANKARD MANGEL.

"It goes without saying that Peter Henderson's name upon a title page assures the reader not merely that the book is a standard for its subject, but that whatever it has to say will be said in the best, the plainest possible manner. For Peter Henderson is one of those fortunate mortals of good sense so exquisite, that it even discounts genius. By consequence, he knows very much that is never discovered by others in his way of business, and gives the world the benefit of his knowledge in good English and good humor, equally admirable."—*New York Commercial Advertiser*, Aug. 9th, 1887. (This refers to "How the Farm Pays.")

TURNIP.

If by mail in quantities of ½ lb. and upwards, add postage at the rate of 8 cts. per lb.

The varieties mentioned below are specially adapted for field culture; sow 3 lbs. per acre. (For description, see page 44.)

Ruta Baga, Russian or Swedish.

LONG ISLAND IMPROVED PURPLE-TOP RUTA BAGA. This is undoubtedly the finest variety of Purple-top Ruta Baga, and is purely of American origin, having been originated by one of our Long Island growers. It is twice the size of ordinary American stocks, and although size is usually got at the expense of quality, the quality of this variety for domestic purposes is superior to any that we have tested. It is perfectly hardy. It first came under our notice as a prize winner, and we feel certain that from its enormous size, solidity and good quality, it will prove to be a champion variety for exhibition purposes. In a fair test on several Long Island farms, alongside some of the best European and American varieties, it produced almost twice the weight per acre of any other variety. 10 cts. pkt.; 15 cts. oz.; 40 cts. ¼ lb.; \$1.00 lb.

IMPROVED AMERICAN (PURPLE TOP). The leading variety; very hardy and productive; flesh yellow, solid, sweet and fine flavored; equally good for stock or table use; the principal variety raised by market gardeners. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

Skirving's Purple Top. Fine for table or stock; large size; flesh firm, solid and sweet, and a good keeper. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LONG ISLAND IMPROVED PURPLE-TOP RUTA BAGA.

CARROT.

Sow 5 lbs. per acre. (For other varieties, see pages 27 and 28.)

Improved Long Orange.....	.75 per lb.
Danvers.....	\$1.00 "
White Belgian.....	.75 "
Yellow ".....	.75 "

CABBAGE.

CHAMPION. Valuable for stock feeding. (For other varieties see pages 26 and 27.) \$1.50 per lb.

Thousand-Headed Kale. Excellent for feeding sheep. \$1.50 lb.

SWEET FODDER CORN.

For soiling. Sow three bushels to the acre, broadcast; half that quantity in drills. \$2.00 bushel.

PARSNIP.—Large Jersey.

Sow 8 lbs. per acre in April.

This is a valuable root for Cattle, possessing nutritive properties of the highest quality. 50 cts. per lb.

SHAMROCK. One of the finest purple top varieties. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

Laing's Improved. Handsome bulb of good quality; keeps well; good for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LARGE WHITE FRENCH. Superior for table or stock; flesh firm, white and solid; large size; rich and sweet flavor. 5 cts. pkt.; 10 cts. oz.; 20c. ¼ lb.; 50c. lb.; 10 lbs., \$4.50.

YELLOW FRENCH. Similar in all respects to the White French, except in color of flesh, which is yellow. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

Full descriptions of the following on page 44.

Yellow Fleshed.

Aberdeen Purple	
Top Yellow.....	50c. lb.; 10 lbs., \$4.50
Golden Ball.....	50c. " 10 " 4.50
Yellow Globe.....	50c. " 10 " 4.50

White Fleshed.

Purple Top White Globe.....	50c. lb.; 10 lbs., \$4.50
Pomeranian White Globe.....	50c. " 10 " 4.50
Large White Norfolk.....	50c. " 10 " 4.50

English Rape. Its tops are valuable for feeding, 30 cts. lb.; 10 lbs., \$2.50.

THE BURLINGAME MEDIUM BEAN.

This is a very early, very hardy, and very prolific Bean, yielding from 50 to 100 per cent. more than the ordinary medium beans grown for commercial purposes. It is a little smaller in the grain, is whiter and far handsomer in appearance. During the past two seasons, when nearly all beans were seriously damaged by the wet weather, this variety came in bright and handsome, and required far less handpicking than the ordinary sorts. It is estimated that this bean has been worth hundreds of thousands of dollars to the farmers of Genesee Co., who now grow it exclusively.

15 cts. pkt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

CANADA FIELD PEAS.

These are considered to be even superior to the Field Vetch or Tares for soiling purposes, and come very serviceable for Green Fodder.

White.Peck, 50 cts.; bush., \$1.50
Blue. Stronger growing and very prolific. Peck, 75c.; bush., \$2.

OUR

New American Farmers' Manual

(Ready February 1st)

Will be profusely illustrated, and contain the most complete list of Agricultural Seeds ever offered by an American house. This manual will also embrace some valuable articles on the subject of Grasses, etc., written by Peter Henderson. Mailed free on application on or after February 1st, 1889.

PETER HENDERSON & Co.,
 Executive Mansion,
 Washington, March 27th, 1888.
 Gentlemen: Please send me as soon as possible 10 bushels of Red Top Grass seed, 5 bushels of Orchard Grass seed, and 5 bushels of Winter Rye. I intend to sow this seed upon my place in the country, and am very anxious to have all of it clean and pure, and for this reason I send to you, believing that in this way I am most likely to receive just what I want. The land is not the best, and the proprietor knows but little about farming, hence the seed must be very good.
 Yours truly,
 GROVER CLEVELAND.

Brooklyn, N. Y., Jan. 26th, 1885.
 You never did a better thing than to get out that book, "How the Farm Pays." It is chuck full of sound sense, and is as pleasant reading to me as if it were a novel. There are no weeds in it; it is well plowed, harrowed and rolled. If a man who reads and heeds that book does not make a good farmer, it must be because his head-soil is so poor as not to be worth cultivating.

HENRY WARD BEECHER.

Henderson's Special Grass Mixtures

FOR HAY AND PERMANENT PASTURE.

See Chapter VI, "Grass and Its Management," in our book, "How the Farm Pays."

SAMPLES OF OUR EXTRA RE-CLEANED GRASS SEEDS,
Such as we use in our Special Mixtures.

**HENDERSON'S "SPECIAL"
GRASS MIXTURE**

"SEE THE CONTRAST"

TIMOTHY AND CLOVER.

Can be Sown in either Spring or Fall.

SAMPLES OF OUR EXTRA RE-CLEANED GRASS SEEDS,
Such as we use in our Special Mixtures.

GRASS SEEDS.

As no seeds vary so much in quality, or require more discrimination in buying, we have been careful to select our samples from sources which enable us to offer them as genuine, carefully cleaned, and free from noxious weeds.

Customers of course understand that the prices of Grass Seeds are subject to constant change, and the rates here given are those ruling at this date (January 1, 1889), and buyers, particularly those purchasing in quantity, should write for special quotations and samples, which will be promptly furnished. (If by mail postage must be added at the rate of 8 cents per pound or 10 cents per quart.)

Italian Rye-Grass.
(*Lolium italicum*.)

Thrives in almost any soil and yields early and abundant crops. Sow three bushels to the acre (eighteen lbs. to bushel).

\$2.00 per bushel.

Sweet Vernal.

(TRUE PERENNIAL.)

(*Anthoxanthum odoratum*.)

Very useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 3½ bushels to the acre (about ten pounds to bushel).

\$1.00 per lb.; \$9.50 per bn.

Hard Fescue.

(*Festuca duriuscula*.)

A dwarf growing grass of great value, succeeding well in dry situations. Sow 2½ bushels to the acre (about twelve pounds to bushel).

30 cents per lb.; \$3.00 per bushel.

Sheep's Fescue.

(*Festuca ovina*.)

A variety short and dense in its growth, and one excellent for sheep pastures. 2½ bushels to the acre (about twelve pounds to bushel).

30 cents lb.; \$3.00 bu.

Meadow Fescue.

(*Festuca pratensis*.)

Of great value in mixtures for permanent pastures. Sow 2½ bushels to the acre (about twenty-two pounds to the bushel), 30 cts. per lb.; \$6.00 per bu.

ORCHARD GRASS.
(*Dactylis glomerata*.)

One of the most valuable grasses for either pasture or hay. If sown alone (though it never should be sown except in mixture), three to four bushels to the acre.

Choice Re-cleaned, \$2.50 per bushel (of fourteen lbs.)

MEADOW FOXTAIL.
(*Alopecurus Pratensis*.)

One of the best grasses for permanent pastures, being early and rapid in growth. Does best on rich, moist soils; three to four bushels per acre (about seven pounds to bushel).

60 cts. per lb.; \$3.25 per bushel.

RED TOP.

(*Agrostis vulgaris*.)

Valuable as a mixture in either hay or pasture grasses. Succeeds well in almost any soil. Three bushels to the acre. Extra clean seed (14 lbs. to bu.), \$1.50 bu.

Choice Re-cleaned or Fancy seed, absolutely pure, 25 cts. per lb.; \$6.00 per bushel (about 32 lbs. to bushel).

KENTUCKY BLUE GRASS.
(*Poa Pratensis*.)

Known also as June grass, valuable for pasture grass. It thrives best on dry, rich limestone lands. Three bushels to acre.

Extra clean seed, \$1.75 bushel (fourteen pounds to the bushel).

Double extra clean or fancy seed, \$2.00 per bushel (of fourteen pounds).

The "basket system" of packing is, I suppose, more expensive, but you will surely win in the end by saving your customers such enormous express charges.—
WM. STOLMORN, Portland, Oregon.

Complete List of Grass Seeds.

Prices subject to variation.

In this Catalogue we give representations of the leading grasses as they grow (see page 50), and also fac-similes of the samples of the seeds, such as we have specially machined for our requirements (see page 49). This will, no doubt, be interesting to those who want pure and unadulterated seeds.

"How the Farm Pays," value \$2.50, is offered as a premium with every \$20.00 order. "Garden and Farm Topics," value \$1.50, is offered as a premium with every \$5.00 order. For particulars see page 146.

- Anthoxanthum Puelii.** An annual variety of Sweet Vernal Grass, not so desirable, however, as the perennial variety offered below. (About 10 lbs. to the bushel.) 40 cts. per lb. \$3.50 per bush.
- Bermuda Grass.** (*Cynodon dactylon*.) See Page 52. Sets, \$5.00 per bush. \$10.00 per bbl.
- Creeping Bent Grass, or Florin.** (*Agrostis Stolonifera*.) An excellent variety for lawns, succeeding well in most situations. 2 bush. to the acre. (About 20 lbs. to the bush.) 40 cts. per lb. \$7.00 per bush.
- Crested Dog's Tail.** (*Cynosurus Cristatus*.) Should enter in moderate quantity in permanent pasture mixtures, especially those for sheep on dry soils. This grass is particularly suitable for parks and ornamental purposes. (About 21 lbs. to the bushel.) 75 cts. per lb. \$13.50 per bush.
- English Rye Grass.** (*Lolium Perenne*.) A very nutritious and valuable grass for meadows and permanent pastures. $2\frac{1}{2}$ to 3 bushels to the acre. (Bushel of 24 lbs.) \$2.00 bush. (Bushel of 26 lbs.) \$2.25 bush. (Bushel of 28 lbs.) Finest sample anywhere. \$2.50 bush.
- Fine Leaved Sheep's Fescue.** (*Festuca Ovina Tenuifolia*.) Remarkable for the fineness of its leaves. Suitable for permanent pasture on high altitudes and dry situations, and often used for lawns, particularly those on dry soils. (About 14 lbs. to the bushel.) 60 cts. per lb. \$7.00 per bush.
- Fowl Meadow Grass.** (*Poa Serotina*.) A valuable grass on low, wet lands. (About 14 lbs. to the bushel.) \$3.00 bush.
- Hard Fescue.** (*Festuca Duriuscula*.) See page 50. (About 12 lbs. to the bushel.) 30 cts. per lb. \$3.00 per bush.
- HENDERSON'S SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURE.** \$2.50 per bushel (of 14 lbs.) (See page 48.)
- Hungarian Grass.** (*Panicum Germanicum*.) Is a valuable annual forage plant. $\frac{1}{2}$ bushel to the acre. (48 lbs. to the bushel.) \$1.75 bush.
- Italian Rye Grass.** (*Lolium Italicum*.) See page 50. (18 lbs. to the bushel.) \$2.00 bush.
- Johnson Grass.** (*Sorghum Halapense*.) A detailed account of the merits of this grass, so popular in Alabama, will be found in our circular, which can be had on application. (About 25 lbs. per bushel.) 25 cts. per lb. \$5.00 per bush.
- Kentucky Blue Grass.** (*Poa Pratensis*.) See page 50. (14 lbs. to the bushel.) \$1.75 bush. Double extra clean. (14 lbs. to the bushel.) \$2.00 bush.
- Louisiana Grass.** (*Paspalum Plateycaule*.) See page 52. Seed 75 cts. per pint. Sets 75 cts. per 100, \$6.00 per 1,000.
- Meadow Fescue.** (*Festuca Pratensis*.) See page 50. (About 22 lbs. to the bushel.) 30 cts. lb. \$6.00 per bush.
- Meadow Foxtail.** (*Alopecurus Pratensis*.) See page 50. (About 7 lbs. to the bushel.) 50 cts. lb. \$3.25 per bush.
- Orchard Grass.** (*Dactylis Glomerata*.) See page 50. (14 lbs. to the bushel.) \$2.50 bush.
- Red or Creeping Fescue.** (*Festuca Rubra*.) Suitable for sandy sea-coasts and on the slopes of railway cuts where the soil is dry. (About 14 lbs. to the bushel.) 40 cts. lb. \$5.00 per bush.
- Red Top Grass.** (*Agrostis Vulgaris*.) See page 50. (14 lbs. to the bushel.) \$1.50 bush. Fancy Re-cleaned Seed. (About 32 lbs. to the bushel.) 25 cts. lb. \$6.00 per bush.
- Rhode Island Bent Grass.** (*Agrostis Canina*.) In some parts of the country this is found to be a very fine variety for lawns. About 3 bushels to the acre. (Bushel of 14 lbs.) \$3.50 bush.
- Rib Grass or Plantain.** (*Plantago Lanceolata*.) A highly astringent fibrous-rooted perennial. Grows best in dry, poor soils. Highly valued as a condiment in sheep pastures, rabbit warrens, etc. (60 lbs. to the bushel.) 30 cts. lb.
- Rough Stalked Meadow Grass.** (*Poa Trivialis*.) Valuable for pastures and meadows, particularly on damp soil and sheltered situations, producing a constant supply of nutritive herbage, greatly liked by cattle. $1\frac{1}{2}$ bushels to the acre. (About 14 lbs. to the bushel.) 40 cts. lb.
- Schraeder's Brome Grass, or Rescue Grass.** (*Bromus Schraederi*.) Recommended as a fodder plant on account of the enormous bulk its produce. 50 cts. lb. \$5.00 bush.
- Sweet Vernal Grass, True Perennial.** (*Anthoxanthum Odoratum*.) See page 50. (About 10 lbs. to the bushel.) \$1.00 lb. \$9.50 per bush.
- Tall Meadow Fescue, or Randall Grass.** (*Festuca Elatior*.) Though rather coarse looking is very early, nutritive and productive. Should form a portion of all pastures on wet or clay soils. (About 14 lbs. to the bushel.) 50 cts. lb. \$6.00 per bush.
- Tall Meadow Oat Grass.** (*Avena Elatior*.) Is highly recommended for soiling, being rapid and luxuriant in its growth. 5 to 6 bushels per acre. (About 10 lbs. to the bushel.) 35 cts. lb. \$3.00 per bush.
- Texas Blue Grass.** (*Poa Arachnifera*.) See page 52. Seed, 25 cts. per packet; 75 cts. per oz.; \$8.00 per lb. Sets, 60 cts. per 100; \$4.00 per 1,000.
- Timothy, or Herd Grass.** (*Phleum Pratense*.) Of this well-known variety, so extensively grown throughout the country, we offer a particularly "choice" sample of seed. As fine as we have ever seen. From $\frac{1}{2}$ to 1 bushel per acre. (45 lbs. to the bushel.) Price variable and given on application.
- Various Leaved Fescue.** (*Festuca Heterophylla*.) A valuable early grass for permanent pastures, especially on high altitudes. (About 12 lbs. to the bushel.) 40 cts. lb. \$4.50 bush.
- Water Meadow Grass.** (*Poa Aquatica*.) Grows by the side of pools, fresh water lakes, etc. Yields an immense bulk of coarse nutritious herbage. (About 14 lbs. to the bushel.) 50 cts. lb. \$6.00 per bush.
- Wood Meadow Grass.** (*Poa Nemoralis*.) Well adapted for either pasture or pleasure grounds, having succulent and nutritive herbage; of early growth, and thriving well under trees. 2 bushels to the acre. (About 14 lbs. to the bushel.) 50 cts. lb. \$6.00 per bush.
- Yellow Oat Grass, "True."** (*Avena Florescens*.) Good for dry pastures and meadows. (About 7 lbs. to the bushel.) \$1.00 lb. \$6.50 per bush.

CLOVERS.

Prices subject to variation. If by mail postage must be added at the rate of 8 cents per pound.

- Alfalfa, or Lucern.** (*Medicago Sativa*.) Although this valuable forage plant may be grown in cold latitudes as well as in warm, as the plant is entirely hardy, yet its value is not so marked in cold climates, where it finds its competitor in Red Clover and the Grasses. But in light soils anywhere, particularly in southern latitudes, its deep rooting properties make it comparatively independent of moisture. Hence it is the forage plant par excellence for the Southern States; and when it is considered that immense sums are paid annually by the Southern to the Northern States, not only for hay itself, but for freight, too, the wonder is how long they will continue to do so, with the material at hand to produce a better article at probably one-fourth the cost. We this season call especial attention to Alfalfa, for the reason that in a visit to Florida three years ago we were deeply impressed with its great value in sections where it had been grown. These impressions have taken shape in a special article on this plant, which will be found in our book, "Garden and Farm Topics." Sow twelve pounds per acre. Price of seed, 25 cts. lb.
- Alsike, or Hybrid Clover.** (*Trifolium Hybridum*.) Almost equal in nutritive value to the Red or Pea Vine Clover, and excellent for land that is clover-sick. (60 lbs. to the bushel.) 30 cts. lb.
- Bokhara Clover.** (*Melilotus Leucantha*.) Affords excellent food for bees throughout its season. 50 cts. lb.
- Japan Clover.** (*Lespedeza Striata*.) (See cut, page 52.) 40 cts. lb.; \$7.00 per bu. (20 lbs. to the bushel.) Fourteen pounds per acre.
- Cowgrass, Mammoth or Pea Vine Clover.** (*Trifolium pratense perenne*.) Present price, 30 cts. lb.
- Red Clover, Medium.** (*Trifolium Pratense*.) Present price, 15 cts. lb. (60 lbs. to the bushel.) Fourteen pounds per acre.
- Scarlet Clover.** (*Trifolium Incarnatum*.) Sow in July or August for soiling or mowing ensuing spring. 30 cts. lb. Twenty pounds per acre.
- Trefoil, Yellow or Hop Clover.** (*Medicago Lupulina*.) An annual variety, suitable for sheep pasture and light soils. (60 lbs. to the bushel.) 25 cts. lb.
- White Clover.** (*Trifolium Repens*.) Should be introduced in all mixtures for permanent pasture, and where required in lawns. (60 lbs. to the bushel.) 30 cts. lb.
- Esparsette, or Sainfoin.** (*Onobrychis Sativa*.) (See page 52.) Thrives on light chalky soils. 20 cts. lb. \$12.00 per 100 lbs.

SUCKLING CLOVER.

(*Trifolium Filiforme*.)

A Dwarf growing variety of yellow clover. Succeeds well on dry, gravelly or sandy soils, which are not suited to the ordinary varieties of Clover. It can stand the scorching rays of sun better than any other sort. 40 cts. per pound.

MILLETS.

Subject to variation in price. If by mail postage must be added at the rate of 8 cents per pound, or 15 cents per quart.

- German, or Golden Millet.** (*Panicum aureum*.) Medium early; height, three to five feet; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough bristly sheaths. One-half bushel to the acre. \$2.00 bushel (of 48 lbs.)
- Hungarian (Grass) Millet.** (*Panicum Germanicum*.) Early; height, two to three feet; abundant foliage and slender head; withstands drought and yields well on light soils. One-half bushel to the acre. \$1.75 bushel (of 48 lbs.)
- Pearl Millet.** (*Panicum argenteum*.) It requires five pounds of clean seed of this most valuable fodder plant to sow an acre. A detail of our experiments with it, with instructions for sowing, cutting and drying, sent free on application. Weighs about 56 lbs. per bushel. Price, clean seed, 30 cts. lb.

For **Lawn Grass Seed** see 3d page cover.

For **Lawn Enricher** see page 96.

For **Lawn Mowers** see page 93.

GRASSES FOR THE SOUTH AND WEST

"GRASS IS KING."

"How the Farm Pays," value \$2.50, is offered as a premium with every \$20.00 order. "Garden and Farm Topics," value \$1.50, is offered as a premium with every \$5.00 order. For particulars, see page 146.

SAINFOIN, OR ESPARSETTE. (*Onobrychis Sativa*.)

An excellent perennial Fodder Plant, growing to the height of about three feet, and flowering in June and July. Though new to this country, it has been cultivated with great success for the past fifty years both in England and in France. It is naturally adapted for light, chalky soils, and is without doubt the most important herbage and forage plant for the calcareous districts of any country. It may be sown either broadcast or drilled, but the former is preferred. The seeds are large, and require to be covered deeper than those of Clover or almost any other agricultural seed. If the broadcast system of sowing is preferred, it will require about five to six bushels per acre; if drilled, four to five bushels. In dry sections, we would recommend that it should be sown with half crop of barley or other grain to shade it from the hot sun for the first summer. It will crop from seven to ten years, according to the nature of the soil. Its duration, however, may be greatly increased by judicious top-dressing. There has of late been considerable demand for this forage plant in Oregon and California, where it seems to have found a home. Price, 20 cts. per lb.; \$12.00 per 100 lbs. (Weight, per bushel, 25 lbs.)

TEXAS BLUE GRASS. (*Poa Arachnifera*.)

This is an invaluable hardy winter Grass for the South, and the longest, driest and hottest summer fails to injure it. It makes as good sod as the Kentucky Blue Grass (*Poa Pratensis*), and if sown together (not too deep) the seeds of the two varieties generally come up together after the same shower, for it takes a wet, damp, drizzly spell to start it. It can be cultivated from both seed and sets, and either may be planted in the fall or spring, though the fall is preferable. We offered this new Grass last season for the first time, and those who would like to give it a trial would do well to raise it from seed the first year, and then cultivate it more extensively after by sets. The seeds are of a peculiar woolly, webby nature, and hitherto this condition has greatly retarded its cultivation from seed, but one of our correspondents has overcome this, and has favored us with details of his method of parting and sowing the seed. This has been put together by us in the shape of a pamphlet, a copy of which we will send free with all orders. To those who wish to try it on a more extended scale at first, we would recommend the propagation from sets. These should be planted any time between the fall and the end of February, after plowing, in rows $2\frac{1}{2}$ feet apart, and 10 to 12 inches between the plants (about 20,000 sets to the acre). They will soon seed and spread, and form a compact turf of the highest value. Parties ordering should be careful to state Texas Blue Grass, so as not to confound it with Kentucky Blue Grass.

PRICE.—Seed, 25 cts. per packet; 75 cts. per oz.; \$8.00 per lb. Sets: 60 cts. per 100; \$4.00 per 1,000. 100 sets weigh about 1 lb. Special quotations on larger quantities.

BERMUDA GRASS. (*Cynodon Dactylon*.)

The great difficulty in extending the cultivation of this Southern Grass is that it cannot be grown successfully from seed. It seeds freely enough, but it is very rarely that a seed on a pistillate bloom can be found; it has a profusion of bloom, but the flowers are almost literally staminate or sterile. But Nature here compensates, as she always does, for her partial failures. The roots and stems of Bermuda Grass root at every eye or joint, and when these have been run through a hay or straw cutter, we have seed, or, more properly, sets, that can be sown. This is a Grass that is much grown in the South, and an average yield of four tons per acre per annum is a safe and cautious estimate of its productiveness. (*See cut.*) Sets, \$5.00 per bush.; \$10.00 per bbl.

JOHNSON GRASS. (*Sorghum Halapense*.)

For particulars, see our book, "How the Farm Pays," page 125. Price, 25 cts. per lb.; \$5.00 per bush.

LOUISIANA GRASS. (*Paspalum Platycaule*.)

This is a valuable Grass, as it furnishes an abundance of green feed for stock all the year, except a short time during the coldest period of winter. It increases rapidly from seed, and also reproduces itself from suckers. It grows well on all dry lands, and stands drought better than Bermuda or Johnson Grass. It grows from 2 to 5 feet high, and stands the hoof better than the Johnson Grass. It is readily propagated from seeds or sets. Sets, 75 cts. per 100; \$6.00 per 1,000. Seed, 75 cts. per pint.

JAPAN CLOVER. (*Lespedeza Striata*.)

A low perennial of spreading habit, adapted by nature to withstand excessive drought. It flourishes on the poorest soils, and is valuable only in the South, as it is not hardy north of Virginia. (*See cut.*) 40 cts. per lb.; \$7.00 per bush. 14 lbs. per acre.

ALFALFA, OR LUCERN. (*Medicago Sativa*.)

For particulars, see page 45. 25 cts. per lb.; by mail, 35 cts.

Tell Mr. Henderson that I have a flourishing lawn from his Lawn Grass Seed that delights the eyes of northern visitors. No other so far south.—GEO. W. BRISTOL, Eden, Fla., Jan. 3d, 1888.

BERMUDA GRASS.

JAPAN CLOVER.

CEREALS.

Henderson's Clydesdale Oats.

A Variety of White Oats of Extraordinary Weight, Earliness and Productiveness, Weighing **50 lbs.** to the bushel.

It affords us much satisfaction to announce that in the numerous trials to which this variety has been subjected it fully sustains our claims and expectations. In offering the **Clydesdale Oat** we stated that thorough and careful trials by many of our best American farmers, as well as by the Department of Agriculture at Washington, show that imported (British) Oats weighing 44 lbs. per bushel give a product when sown here of 40 lbs. per bushel, or nearly 10 lbs. per bushel more than our ordinary oats. It will be seen, then, that even if the amount required to seed an acre be \$7.00 (3 bushels), the product in weight and value will be over half as much again. In other words, if the cost of the ordinary oats to seed an acre be \$1.50, and the product be 60 bushels or about 1,800 lbs., the product of the **Clydesdale Oats** (being 46 lbs. to the bushel) should be about 2,750 lbs., showing a clear gain of 950 lbs. in yield, which would be, according to the American standard (32 lbs.), 30 bushels

per acre more in favor of the **Clydesdale Oats**. Besides this clear gain in yield, it should also be remembered that if the product of the **Clydesdale Oats** were used again for seed purposes, as it probably would be in the majority of cases, the value would be still further increased; for the price of oats for seed purposes, as is well known, at 46 lbs. per bushel, is always at least twice the price of ordinary oats. We offer these oats for sale at the weight of 50 lbs. per bushel, exactly as grown for us, so that those purchasing will actually receive for every bushel **over one and one-half bushels** according to the American standard. Another most important advantage of **Henderson's Clydesdale Oats** to the farmer is the fact that they have been thoroughly cleaned by the latest and most improved machinery, and are absolutely free from foreign and weed seeds. Price, by express or freight, \$1.00 per peck; \$2.50 per bushel (of 50 lbs.) Or we will supply three bushels (150 lbs.), the quantity to seed an acre, for \$7.00. 1 lb. sent, post-paid, by mail, for 25 cents.

GREAT BEND, PA., Jan. 25th, 1886.

The bushel of Clydesdale Oats purchased from you last year exceeded my expectations. They were the finest looking half acre of oats I ever saw, and attracted many passers-by. The yield was 45 bushels in plump, heavy oats, with common broad-cast sowing, and no cultivation or fertilizing.

JAS. F. CARL.

CANVAS PRAIRIE, I. T., Oct. 19th, 1886.

Last spring I received through Austin Corbin of New York one hundred pounds of your celebrated Clydesdale Oats, and which I sowed on one and three-quarters acres of ground, and have just threshed 170 bushels of the finest oats that were ever seen in this part of the country. I write you this statement to acknowledge the great benefit you have bestowed on the grain-growing territory of the country by furnishing such seed; the ground was new ground and rough, and I hope to increase the crop another year. This grain weighs 48 lbs. to the bushel.

ROBERT WOLF.

NEW YORK, Jan. 13th, 1887.

Please save me for spring planting 50 bushels of the very heavy Oats (Clydesdale, P. H. & Co.), such as I sent a few bushels of to Idaho last spring, to a Mr. Wolf. He writes me that on one and three-quarters acres his crop was 170 bushels.

AUSTIN CORBIN.

WESTFIELD, N. J., Jan. 17th, 1887.

I have Clydesdale Oats weighing 43 pounds machine threshed; I think if they were cleaned over they will weigh 45 pounds. I have sown them now two years, and I think they have deteriorated very little during that time.

IRA C. LAMBERT.

BRITISH (Imported) OATS.

Besides the valuable new Oat, "Henderson's Clydesdale," described above, we offer the following standard British varieties:

Hopetoun. A potato Oat (white) of great value, averaging 42 lbs. to the bushel.
Black Tartarian. Early, productive and long strawed; the oats will weigh 40 lbs. to the bushel.

The above two varieties of Oats we offer in fine, well cleaned samples. Price, for either variety, 75 cents per peck; \$2.25 per bushel.

AMERICAN OATS.

Pringle's American Triumph Oats. This is a cross between the Excelsior and Waterloo Oats. The average height, as the grain stands in the field, is six feet, yet the straw is so strong and firm that it heads up well without lodging. (32 lbs. to bushel.) 60 cents per peck; \$1.50 per bushel.
Probstier. A leading variety. It is very productive and heavy, and straw very strong. \$1.00 per bushel (32 lbs.)

WHEATS.

Saskatchewan Fife (Spring). The best No. 1 Hard Amber yet introduced. Unequaled for earliness, yield and vigor. \$2.00 per bushel.

White Russian (Spring). Not exactly a white, but a light colored variety of red wheat. Is an enormous cropper, with long, straight yellow straw, and bears long and large white chaff heads, well filled with plump kernels. \$2.00 per bushel.

Fultz (Winter). \$2.00 per bushel.

Golden Cross (Winter). \$2.50 per bushel.

Hybrid Mediterranean (Winter). \$2.00 per bushel.

The Garfield (Winter). \$2.50 per bushel.

Martin Amber (Winter). \$2.00 per bushel.

For particulars see our fall catalogue.

RYE.

Excelsior Winter. A new variety from Vermont that has never failed to yield at the rate of from 40 to 50 bushels per acre. With the originator a four-acre field yielded 52 bushels to the acre. \$2.00 per bushel.

Winter. \$1.50 per bushel.

Spring. \$2.00 per bushel.

BUCKWHEAT.

New Japanese. (See description and illustration on next page.) Price, 25 cents per lb.; \$1.00 per peck; \$3.00 per bushel. 1 lb. by mail for 30 cents.

European Silver Hull. This variety may be depended upon to ripen in anything like a favorable season from *ten days to two weeks earlier* than the native American Silver Hull or Common Buckwheat. Berry small, with rounded corners, and of a beautiful silver gray color. Height, three feet. Straw, a deep rich wine color when ripe. \$1.00 per peck; \$2.50 per bushel.

Silver Hull. \$2.00 per bushel. 4 lbs. by mail, 75 cts.

Common Variety. \$1.75 per bushel.

BARLEY.

Vermont Champion. Two-rowed, early, hardy and prolific. 60 cents per peck; \$2.00 per bushel.

Hulless. An important acquisition to the grains of this country. Grows two and one-half feet high. Heads long and well filled with plump, heavy kernels, hullless like wheat when threshed. Ripens early and yields well. Should be sown on rich, gravelly, warm upland. \$1.00 per peck; \$2.50 per bushel.

HENDERSON'S CLYDESDALE OATS.

New Japanese Buckwheat.

(INTRODUCED INTO CULTIVATION BY US IN 1887.)

It is seldom that such a sterling novelty as this is placed before the agricultural community, and we would advise all who are growers of Buckwheat to give this new and distinct Japanese variety a trial in preference to any other variety, whether it be for milling, for the apiary or aviary. A glance at our illustration will show that the kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich dark shade of brown. The straw is heavier, its branches more and does not need to be sown as thickly as the other kinds. Flour made from it is equal in quality, if not superior to that of any other buckwheat, and as the yield shows, it is enormously prolific. It ripens a week earlier than the Silver Hull and yields two or three times as much. It can be planted as far north as New Hampshire. (See cut.)

20 cts. per lb. by express; 30 cts. per lb. by mail; \$1.00 per peck; \$3.00 per bushel.

Early Orders are respectfully solicited to prevent disappointment, as the demand for this has far exceeded the supply during the past two years.

From the pound of Japanese Buckwheat that I purchased from you, it yielded me ten bushels by measure and eleven bushels by weight; sowed on the 15th of June, it was up one week earlier than the Silver Hull.—J. C. VAUSELOUR, Fairbault, Minn., February 25th, 1888.

Gray's Hill, Teun., January 21st, 1888.
The New Japanese Buckwheat made three times as much as my old kind. I am well pleased.—AUGUST ZWICKER.

Bloomville, N. Y., January 25th, 1888.
I found your Japanese Buckwheat first rate; it yielded four times more than the old kinds did in the same lot.—DAVID CEAS.

Sandwich West, Essex Co., Ontario, Canada, Nov 15th, 1887.
I purchased ½ lb. "Japanese Buckwheat" from you for experiment, from which I raised 1½ bushels, weighing nearly 70 lbs. It is distinct, more vigorous, and stands the sun better than any other sort.—JOHN WILSON.

Kelly Station, Pa., November 15th, 1887.
I bought of you one pound of "Japanese Buckwheat," and sowed it broadcast. Owing to dry weather it did not all grow, and what did grow was very small in the straw. But it made Buckwheat all the same. I raised one and a half bushels from the pound of seed. I sowed two bushels of Silver Hull alongside on the same day, and got 7½ bushels. Now I would be willing to be qualified to the above statement. I would not take \$25.00 for my crop if I could not get more of it.—JOSEPH SMALL.

EGYPTIAN RICE CORN.

In our trials last season, we found this variety to be the best fodder plant of all the Sorghum family. It grew with us 10 feet high, 8 ft. of which was solid fodder. It has erect growing large heads, resembling Rural Branching Doura. We strongly recommend this variety for fodder. 25 cts. per lb.; 5 lbs for \$1.00 (sufficient to plant an acre). \$12.00 per 100 lbs. (Weight, 50 lbs. per bushel.)

TEOSINTE (Reana Luxurians).

A semi-tropical forage plant, considered by many to be superior to Sorghum or Milo Maize. The plant resembles Indian Corn, but is more compact and slender. It suckers more than any other forage plant, and produces 3 to 4 cuttings of good fodder during the summer. There has hitherto been great difficulty in getting seed that will grow, and this has retarded its cultivation. Our tests of Teosinte last year showed an average germination of 90% and there is no reason to fear that this cannot be kept up. \$1.75 per lb.; 10 lbs. for \$15.00.

MISCELLANEOUS AND SUNDRY SEEDS FOR THE FARM.

RAMIE (*Bohmeria* or *Urtica*). This plant produces the fibre which the Orientals make into a delicate fabric known as Chinese Grass Cloth. It is now being cultivated quite largely in the United States, machinery having been lately perfected which separates the fibre from the stalk; previously the want of machines to do this had been the great drawback to its culture. The best varieties are *Bohmeria Nivea* (*Silvery Ramie*). \$1.00 oz.

—**Tenacissima** (*Java Ramie*). A taller growing sort, adapted to the Southern States. Price on application.

SORGHUM. EARLY AMBER SUGAR CANE. A variety of Sugar Cane which has been largely tested in many parts of the country with very general success. Its distinctive features are said to be its earliness and great yield of both sugar and syrup. Culture the same as for corn. 20 cts. qt.; \$3.00 bushel. If by mail add 15 cts. per qt. for postage.

" **EARLY ORANGE SUGAR CANE.** Yields about 25 per cent. more cane, and is also much more juicy than any other variety. The stalk is much heavier, not quite so tall, and it is a little later than the Amber. It does not succeed well north of latitude 43 degrees. 20 cts. qt.; \$3.00 bushel. If by mail add 15 cts. per qt. for postage.

" **KAFFIR CORN.** Circulars with description and culture on application. 25 cts. lb.; if by mail, 35 cts.

" **RURAL BRANCHING DOURA** (*Millo Maize*). A wonderfully productive fodder plant that has been thoroughly tried, and is seemingly superior to all others for soiling, silos or dry fodder. It is described as throwing from 6 to 16 stalks from one seed. It is much sweeter than corn stalks, and cattle, horses and hogs will eat it ravenously. Price, 35 cts. lb.; 1 lb. by mail for 45 cts. 4 lbs. required to plant an acre.

" **EGYPTIAN RICE CORN.** (See above.)

" **YELLOW BRANCHING.** Earlier than the Rural Branching, and produces fine, large, plump grain, which is eagerly sought after by all kinds of stock in the south. 35 cts. per lb.; 1 lb. by mail, 45 cts. 4 lbs. required to plant an acre.

" **HALAPENSE** (*Johnson Grass*). (See *Grasses*.) 25 cts. per lb., \$5.00 per bushel.

Broom Corn, Evergreen..... per bush., \$3.00.
Chicory (for coffee)..... per oz., .15; per lb., \$1.00.
Cotton, Sea Island..... per lb., .20.
Flax Seed..... per qt., .25; per bush., \$4.00.
Opium Poppy..... per oz., .30; per lb., \$2.00.
Canada Field Peas. White..... per pk., .50; per bush., \$1.50.
Canada Field Peas. Blue, stronger growing, and very prolific..... per pk., .75; per bush., \$2.00.
Sainfoin. (*Onobrychis sativa*). See page 52..... per lb., .20; per 100 lbs., \$12.00.

Spring Vetches..... per qt., \$.20; per bush., \$4.00.
Sunflower, Large Russian..... per qt., .20; " 3.00.
Osage Orange..... per lb., .50; " 7.00.
Celery Seed. For flavoring..... " .25.
Honey Locust..... " .50.
Yellow Locust..... " .60.
Teosinte (*Reana luxurians*) see above. " 1.75. 10 lbs., \$15.00
Serradella..... " .30.
Fenugreek..... " .50.
Lupins of Sorts..... " .25.

WILD RICE (*Zizania Aquatica*). A valuable water forage plant, indigenous to Canada, and the Northern and the Western States. Much sought after, owing to its having attractions for water fowl. 35c. per lb.; if by mail, 45 cts. per lb.; per 100 lbs., \$30.00.

New Self-Husking Field Corn.

Farmer's Favorite
Golden Dent.

Compton's Early.

Golden Beauty.

King Philip.

Mammoth White Surprise.

Golden Dew-drop.

Queen of the Prairie.

White Flint.

LEADING VARIETIES OF FIELD CORN.

If by mail postage must be added at the rate of 15 cts. per quart.

Planted in hills, 8 to 10 quarts per acre.

SELF-HUSKING.—Besides possessing the valuable and peculiar feature that we shall shortly refer to, this variety is also the earliest field corn in cultivation, ripening fully ten days before the Early Yellow Canada. The plant is of dwarf habit, while the ears it bears are large, averaging ten inches in length; the grain is of an amber color, and the cob quite small. It often produces three ears to the stalk, seldom confining itself to one even under ordinary cultivation. The great merit we claim for this variety, however, lies in its departure from the habits of all other corn, in the inclination to strip itself clean of its husk, a distinctive feature, which we have tried to show in the engraving, and it suggested the name of "Self-Husking," that we gave it. 20 cts. per quart; 75 cts. per bushel.

HICKORY KING.—A new White Dent Corn of great promise. From the section shown on this page it will be seen that the grain is very large, and the cob very small. The illustration shows that one grain will cover the cob or cone, a peculiarity that we do not know of in any other variety. It is a robust grower and a heavy cropper, more suitable for growing south of Pennsylvania than north. 20 cts. per quart; 75 cts. per bushel; \$2.50 per bushel.

GOLDEN BEAUTY.—The ears are of perfect shape, with from ten to sixteen straight rows of bright golden grains of the largest size, which are filled out to the extreme end of the cob. Matures as early as most varieties of Golden Dent, and surpasses all in size, appearance and productiveness. It has produced 100 bushels of shelled corn per acre under ordinary culture in Pennsylvania. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

QUEEN OF THE PRAIRIE.—One of the most valuable and reliable varieties of dent corn that we know of. The stalk usually attains a height of from six to seven feet, bearing one or two good ears of from fourteen to sixteen rows each. In this latitude it has matured a full crop in less than ninety days. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

GOLDEN DEW-DROP.—It is a most reliable sort for northern planting, as it grows quickly and matures early. It is what is known as a flint variety, is eight-rowed, looks a little like the Canada Yellow, but the grain is brighter in color. As a rule, the flint varieties are not as good yielders as the dent sorts, but the Golden Dew-drop produces two or three ears to the stalk. The stalks will average six feet in height. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

KING PHILIP.—Very early. Usually matures three months after planting. Ears ten to twelve inches long. Kernel copper colored, smooth and of the flinty order. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

LEAMING.—Ears of good size, cob red and small, with a deep large grain of bright yellow. It is an early variety, a strong grower, and its leafy character enables it to stand up until ripe, thus making it especially valuable in dry seasons. 15 cts. qt.; 60 cts. peck; \$2 bush.

LONGFELLOW.—A variety well adapted for the Northern States. It is an eight-rowed yellow flint sort, with ears from ten to fifteen inches long, of an average diameter of $1\frac{1}{2}$ inches. Cob small, grain large and broad. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

MAMMOTH WHITE SURPRISE.—A new sort with large ears and very small cob. The ears are from 12 to 14 inches long, with from 14 to 28 rows of very large, deep grains. Very productive. Said to yield from 75 to 125 bushels of shelled corn per acre, according to soil and season. Specially adapted to sections from Pennsylvania south. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

COMPTON'S EARLY.—Yellow variety; ears 10 to 12 inches long. Very early and prolific. Stalks 8 to 10 feet in height. Ears well filled. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

WHITE FLINT.—Handsome ears, large and well filled. A first-class sort. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

FARMER'S FAVORITE GOLDEN DENT.—Ripens early, and hence succeeds where many varieties will not mature. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

CHESTER COUNTY MAMMOTH.—One of the largest varieties of field corn in cultivation, yielding under good culture from 100 to 150 bushels shelled corn per acre. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

LARGE YELLOW FLINT.—Very productive and of good quality. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

SOUTHERN HORSE TOOTH.—Valuable for fodder. \$1.25 bushel.

SWEET FODDER CORN.—For soiling and fodder. \$2.00 bushel. } Sow 3 bushels to the acre broadcast, half that quantity in drills.

"HOW THE FARM PAYS," value \$2.50, is offered as a premium with every \$20.00 order. "GARDEN AND FARM TOPICS," value \$1.50, is offered as a premium with every \$5.00 order. For particulars, see page 146.

NOVELTIES in FLOWER SEEDS for 1889

AND SPECIALTIES.

Beautiful New Double Daisies.

(*Bellis perennis fl. pl.*)

NEW "GIANT SNOWBALL." Unusually large flowers, and very double, having very long stems, rendering it valuable for cutting. Color pure white. (See cut.) Per packet, 25c.

ROSE CROWN. Large double flowers of various colors, having a distinct rose-colored centre or crown in each flower in the style of the Crown Asters. (See cut.) Per packet, 25c.

The Many-Colored "Good King Henry."

(*Chenopodium Atriplicis Victoria.*)

A novel and very showy species of the plant known as above, and is a fine ornamental foliage plant. The different colors of the leaves resemble Amaranthus and Coleus, and vary from pale yellow to deep crimson-violet, pink, brilliant red, partially striped and shaded with light and dark green, the younger shoots and leaves being covered with a fine violet powder. The plants grow from $3\frac{1}{2}$ to $4\frac{1}{2}$ feet high, forming beautiful pyramidal bushes. Grown as specimens or in groups it produces a striking effect, which increases under the influence of the heating sun. Hardy annual. Per packet, 15c.

NEW DOUBLE DAISIES, ROSE CROWN AND GIANT SNOWBALL.

Calliopsis Golden Wave.

For a mass of bright golden color, this is probably the most effective of all annuals. Plant very bushy and compact, about two feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches across, with small dark centres. When grown in rows or masses the effect is very striking. It is, indeed, a wave of gold. It is one of those flowers which will grow in any situation, and always be greatly admired. Per packet, 15c.

CALLIOPSIS GOLDEN WAVE.

DOUBLE SCARLET

Annual Chrysanthemum.

(*C. Carinatum fl. pl. Coccinea.*)

The Annual Chrysanthemums are among our best summer flowering plants, always succeeding well, and making a beautiful show. They are also valuable for cutting. We have heretofore had in the double varieties only the white, golden and sulphur colored sorts. This new variety is therefore a desirable addition, being

of a deep striking scarlet. Per packet, 15c.

DOUBLE SCARLET ANNUAL CHRYSANTHEMUM.

The Mexican Miniature Pink Sunflower.

(*Thridax bicolor rosea.*)

A pretty annual branching plant from Mexico, growing about $1\frac{1}{4}$ feet high, and producing freely, even when very small, pretty pink Sunflower-like blossoms $1\frac{1}{2}$ inches across, with large yellow centres, and continues in bloom until destroyed by frost. The half open buds are of a deep crimson. Per pkt., 15c.

KALANCHOE CARNEA.

(Awarded a First-Class Certificate, Royal Horticultural Society.)

This strikingly beautiful decorative plant commences to flower at Christmas, and continues in bloom throughout January and February, its bright and pleasing color being very attractive during the dull winter months. The flowers, which are borne in large clusters, are of wax-like consistency, last a long time in perfection, are of a beautiful delicate pink color, and, in addition, are deliciously fragrant.

It was recently introduced from South Africa, is of easy culture, very floriferous, and succeeds well in a temperature of 50° to 55° ; it attains a height of about 18 inches, and is of good bushy habit. Per pkt., 25c.

New Grand Hybrid Gaillardias.

These new varieties are unrivaled for brilliancy and rich blendings of color, and for their magnificent size and profusion of bloom, which is continued from early summer until frost. They are exceedingly effective when grown in masses, on rich ground in a sunny situation, particularly if plentifully supplied with water during the dry weather. As corsage flowers and for vases they are unrivaled, and last a long time after being cut. They flower the first season from seed, and attain a height of about 1½ ft.

Per Pkt.

Amblyodon. Rich blood red	15
Sun Kissed. Gold and scarlet.....	15
Aurora Borealis. Rings of gold, crimson and white.....	15
Glorie d'Paris. Beautiful salmon.....	15
Avalanch. Satin white.....	15
Flower of Gold. Rich yellow.....	15
Illumination. Red, bordered white.....	15
Mixed Hybrids. Including the above sorts. .	15
Collection of above 7 new grand Hybrid Gaillardias.	75

BEGONIA SCHARFFIANA.

New species from Brazil. Large thick leaves, resembling emerald green velvet on the surface and deep purplish red underneath; flowers large, pure white; distinct from all ornamental leaved Begonias, and much hardier than the Rex varieties. Price, per packet, 25 cts.

CALIFORNIAN LAYIA

(*Layia Elegans*).

A beautiful hardy annual, forming upright bushy plants about 1 foot high, and producing in abundance large single yellow flowers, bordered with white; they are of the easiest culture, and make very showy beds. Price, per packet, 15 cts.

GAILLARDIA, NEW HYBRIDS.

NEW CLIMBING NASTURTIUM,

Scarlet and Gold.

A luxuriant summer climber with clear bright yellow foliage, flowers of a dark crimson scarlet color; the contrast with the glossy yellow of the leaves is effective. Price per packet, 25 cts.

MIMULUS MOSCHATUS COMPACTUS.

Of upright growth, forming round, compact plants, whereas the old "Musk Plant" is of spreading, trailing habit. Price, per packet, 25 cts.

DIANTHUS DOUBLE SNOWFLAKE.

BEAUTIFUL NEW DOUBLE JAPANESE PINKS, "Snowflake and Brilliant."

(*Dianthus Laciniatis*, fl. pl. varieties.)

A valuable addition to this showy, profuse flowering, fragrant family, the flowers being of immense size, very double and delicately fringed at the edges of petals.

Snowflake. Purest white. Per packet, 25 cts.

Brilliant. Intense crimson, extremely showy in the sunshine. Per packet, 15 cts.

NEW SINGLE JAPAN PINK, "THE BRIDE."

(*Dianthus Hedderwigi*.)

A single flowering variety and a novelty of great beauty and utility. Flowers of large size and perfect form, each being marked in the centre with a conspicuous spot of velvety dark violet, encircled with an outer zone of a still deeper shade, which contrasts strikingly with the snowy whiteness of the flower. The plants are of fine bushy habit, and produce an abundance of bloom, continuing uninterruptedly till late in autumn. Price per packet, 25 cts.

LAYIA ELEGANS.

HENDERSON'S COLLECTION OF 10 FLORAL BEAUTIES

SHOWN ON THE COLORED PLATE OPPOSITE.

THESE have been selected not only in consideration of their exquisite beauty, but with a view of prominently introducing varieties of easy culture that are sure to give the utmost satisfaction to even amateurs in the art of cultivating flowers.

Full Collection of Ten Floral Beauties free by mail, \$1.25
(their cost separately would be \$2.00).

NEW GRAND HYBRID ANNUAL GAILLARDIAS.

These new varieties are unrivaled for brilliancy of color; magnificent size and profusion of bloom, from early summer until frost, rendering them splendid for summer bedding and also valuable for pot culture. Height, 1 to 1½ ft. (For separate new varieties see page 57.) Price per packet of mixed colors, 15c.

RED PANSY, "BRILLIANT."

(*Viola tricolor Victoria improved.*)

This is a decided novelty of the highest merit, and the first really fine red Pansy introduced, the color being very bright and pleasing. The flowers are of good size and perfect form.

Price, per packet of 25 seeds, 25 cts.

NEW POPPY, "FIRE DRAGON."

(*Papaver lævigatum.*)

A new, extremely showy and very free flowering annual Poppy from Persia, producing flowers, four inches across, of brilliant deep scarlet, with black spots margined with white. Height, 2 to 2½ ft.

Price, per packet, 25 cts.

NEW GODETIA, "NAMELESS BEAUTY."

A handsome new variety of this beautiful class of hardy annual. It grows in oval compact bushes about one foot high, and is profusely covered with large cup-shaped flowers 1 to 1½ inches across until frost. The colors are of a particularly pleasing combination of white passing into blush, with large carmine spots at the base of the petals, and with a satin-like lustre. Price, per packet, 25 cts.

PHLOX, "STAR OF QUEDLINBURG."

An extraordinary novelty. The centre of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a *regular star-like form*. The plant grows about 1½ feet in height, of compact habit, and bears large umbels of flowers. Will be really better than last season, having been grown from selected stock, and a number of brilliant colors added, including scarlet, pink, white, violet, salmon, etc.

Price, per packet (of mixed colors), 25 cts.

LARGE FLOWERING DIANTHUS, "Single Fringed."

These beautiful, large-flowering, single-fringed Pinks make a grand show throughout the summer. The flowers are of richest colors, ranging through velvety crimsons, pink, maroon, white, mauve, etc., and average 2 inches across, beautifully fringed at the edges. Most of the flowers are mottled and veined in the richest manner.

Price, per packet (of mixed colors), 10c.

HENDERSON'S MAMMOTH VERBENAS.

Not once in ten years are we able to offer anything so altogether distinct and surprisingly beautiful as this new strain of *Mammoth Verbenas*, of which we were the originators. The average trusses measure 9 to 12 inches in circumference and the individual florets over 1 inch across—or larger than a 25c. silver piece—on properly grown plants. This *Mammoth* strain blooms just as freely as the older varieties, is much more vigorous in growth, and our mixture now contains all of the beautiful new colors and shades, and will be found even better than heretofore, as we have given great care in selecting and improving the type.

Price per packet, of mixed colors only, 25 cts.

Deep Scarlet Triumph Aster.

This is undoubtedly the most beautiful and perfect of all dwarf Asters. Each plant forms an elegant bouquet of itself 7 to 8 inches high. The flowers measure from 2½ to 3 inches across, of faultless form. The color is rich brilliant scarlet; each plant bears at least 30 to 40 flowers of exquisite beauty.

Price, per packet, 25 cts.

New Tom Thumb Nasturtiums.

(*A Mixture of only New and Beautiful Varieties.*)

Round, compact bushes about 1 foot high and 15 to 18 inches across, with luxuriant green foliage, and are fairly covered with large flowers. When grown in masses, they form magnificent sheets of brilliant color, full of fire and richness, and lasting throughout the season.

Price, per packet, 10 cts.

ECKFORD'S LARGE FLOWERING "NEWEST HYBRID" SWEET PEAS.

In no section of the floral kingdom has the hybridizer's skill been more amply rewarded than in the introduction of this magnificent new class of Large Flowering Sweet Peas, the flowers being nearly double the size of the ordinary—the wings being almost round—the exquisite colors also far surpass anything previously introduced, being rich and varied in the extreme. Their elegance combined with their delicious perfume renders them exceptionally valuable for garden decoration and for cut flowers. Price, per packet, 15 cts.

We have made arrangements with Mr. Eckford, and exclusively control the productions in America of his own growth. All of his Novelties for 1889, as well as his recent introductions in *New Sweet Peas*, are on the next page, No. 60.

Full Collection of Ten Floral Beauties free by mail, \$1.25
(their cost separately would be \$2.00).

PETER HENDERSON & CO'S COLLECTION

OF

10 FLORAL BEAUTIES

GAILLARDIA—NEW HYBRIDS, MIXED.
Per Packet, 15 cents.

PANSY—BRILLIANT.
Per Packet, 25 cents.

NASTURTIUMS—New Tom Thumb, Mixed.
Per Packet, 10 cents.

POPPY—FIRE DRAGON.
Per Packet, 25 cents.

VERBENA—HENDERSON'S MAMMOTH.
Per Packet, 25 cents.

GODETIA—NAMELESS BEAUTY.
Per Packet, 25 cents.

DIANTHUS—Large Flowering, Fringed.
Per Packet, 10 cents.

SWEET PEAS—Eckford's Newest Hybrids.
Per Packet, 15 cents.

ASTER—TRIUMPH.
Per Packet, 25 cents.

PHLOX—STAR OF QUEDLINBURG.
Per Packet, 25 cents.

GIVING A GRAND
DISPLAY
During the entire
SEASON.

FULL COLLECTION
ONE PACKET OF EACH
OF 10 FLORAL BEAUTIES
FREE BY MAIL FOR
\$ 1.25
THEIR COST SEPARATELY IS 2.00

ECKFORD'S MAGNIFICENT NEW SWEET PEAS.

ECKFORD'S NEW SWEET PEAS.

MR. HENRY ECKFORD (of England) has become celebrated as an unusually successful hybridizer of this exquisite flower, having brought out a number of wonderfully beautiful varieties, and greatly improved the form and largely increased the size. The praises of his productions, however, have been too generally expatiated upon in the leading horticultural journals of both hemispheres, for us to repeat them here. So we will simply say, that we have contracted with him for their exclusive sale in America, and they are grown and furnished to us directly by himself. We found this course necessary, as there have been so many substitutions sent

out as his varieties, that we could not depend on stock not directly coming from him.

- Apple Blossom.** Standards bright pinkish rose. Wings apple blossom.
Boreatton. A rich shining bronzy-crimson, wings crimson purple shaded with rose.
Cardinal. A bright, shining crimson-scarlet, distinct and handsome.
Duchess of Edinburgh. Standard light scarlet, flushed crimson, splashed at the edge with white; wings deep rose.
Imperial Blue. Bright blue wings, shaded with mauve, standard rich purplish crimson.
Indigo King. Standard maroon purple, clear indigo-blue wings.
Splendour. Rich pinkish rose, shaded with crimson; superbly distinct. 1st class certificate, R. H. S.
The Queen. Light rosy pink standard, wings light mauve.
Princess of Wales. Shaded and striped mauve on a white ground. Awarded a 1st class Certificate by the R. H. S. of London.
Isa Eckford. A beautiful creamy white, suffused with rosy pink.
Eckford's Newest Hybrid Sweet Peas (mixed). Saved from choice named and unnamed varieties, including many of great merit.

Orange Prince. Awarded a 1st class Certificate by the R. H. S. of London. Standard bright orange pink, flushed scarlet; wings bright rose, veined with pink; extremely handsome; most distinct.

Price per packet, any of the above novelties, 15 cts. The collection of 12 separate sorts, \$1.50.

Eckford's Novelties in Sweet Peas for 1889.

- Mauve Queen.** Pale mauve, delicate large flowers. 1st class Certificate, R. H. S.
Miss Hunt. Rosy crimson standards and mauve-pink wings.
Empress of India. Rosy salmon standards and white wings; large.
Primrose. Pale buff yellow. 1st class Certificate, R. H. S.
Queen of England. Pure white; a grand large flower.
Purple Prince. Deep velvety purple; a great improvement over ordinary purples.

Price of any of the above, 25 cts. per packet, or collection of 6 novelties of '89, \$1.25; or the whole collection of 18, for \$2.50.

The Beautiful Cambodian Palma-Christi.

(*Ricinus Cambogiensis*.)

This is one of the finest things for tropical effects either in masses or as individual specimens on the lawn or garden that we know of. They grow from 6 to 8 ft. high in a few weeks from time of planting, with large palm-like leaves of a bronzy red maroon color, with large red veins. The leaf, stems and younger growth are of rich reddish brown, while the main stem or trunk is of ebony black. A few plants we had in our trial grounds last summer were perfectly gorgeous, the foliage in the sunlight glittered as if highly burnished. Price, per packet of 5 seeds, 25 cts.

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RICINUS CAMBOGIENSIS.

Some New and Beautiful Godetias.

These newer varieties bear large cup-shaped flowers, 2 to 4 inches across, in such profusion as to fairly cover the round bushy plants continuously for a long period. We know of no class of flowers to compare with their charming colors, delicate blendings and satiny appearance. They are annuals growing from 6 to 12 inches high, of easy culture, and for low beds, particularly when grown in masses, they are exceedingly beautiful; when cut they last a long time in water.

DUCHESS OF ALBANY.

LADY SATIN ROSE.

BRILLIANT.

General Gordon.—Rich ruby crimson edging to rose. Price, per packet, 15 cts.

Lady Satin Rose.—Deep rose pink, glossy and satiny, by some thought the most beautiful annual of recent introduction. Price, per packet, 15 cts.

Duchess of Albany.—Satiny white. Price, per packet, 5 cts.

Apple Blossom.—Large heads of silvery white flowers, spotted with crimson shading to pink. Price, per packet, 15 cts.

Tom Thumb Brilliant.—Carmine, flamed with crimson shading to rose and blush; rich and glittering. Price, per packet, 15 cts.

The collection of the 6 New Godetias, including the beautiful "Nameless Beauty," on page 57, for 75 cts.

Two Elegant New Dwarf Marigolds.

Of dense compact growth, attaining a height of not over 10 to 12 inches, forming masses of branches from the ground up, each producing very double flowers of perfect form which are continuously borne until cut down by frost. They are perfectly grand.

Marigolds grown in well manured ground produce the finest flowers, though it is not absolutely essential. It is also well to grow close enough to allow any that are not perfectly double to be removed.

Large Flowering French Pygmy.—Crimson maroon, regularly striped with orange yellow. Price, per packet, 25 cts.

African Nugget of Gold.—Very double quilled flowers of rich golden yellow. Price, per packet, 25 cts.

ROSY SCARLET LARKSPUR.

An unusually beautiful and distinct color in this favorite annual garden flower, being a particularly bright shade of rosy scarlet. Flowers are very double and borne on long spikes. Per pkt., 15 cts.

DOUBLE WHITE PHLOX.

COPYRIGHTED 1888 BY PETER HENDERSON & CO. NEW YORK.

Novel Double Phloxes.

We have never before offered these on account of their delicate constitutions and imperfectly double flowers, although we had the strain several years before the trade got hold of it. But now we are happy to say that after untiring selection and improving for years, we have the finest strain of Double White Phlox in existence. The plants are as robust as the ordinary Phlox, the flowers large and produced in profusion, and last much longer than the single, and are therefore valuable for cutting and bouquet making. Our field of this variety this summer was a solid mass of purest glistening white until late in the autumn.

Double White Phlox. Price, per packet, 25 cts.

Double Rich Blood-Red Phlox. Price, per packet, 25 cts.

New "Giant" Pansies.

THESE remarkably large Pansies have been produced by careful selection and culture for several years. For size of flower and robust growth they eclipse by all odds any known strain. Unfortunately, as yet, we have not as large a variety of color in them; and none of those rich crimson, claret and pink shades that render the "Butterfly" and "New Fancy" Pansies so celebrated; but their immense size and vigorous habit more than compensate, for they get such a start in the spring that the hot summer weather seems to have no effect on them, even when other Pansies have almost dwindled away. On account of their enormous size, they make unusually showy beds, and two large vases that we had planted with them last spring were pronounced by hundreds of visitors the grandest vases of Pansies ever seen.

Giant Striped. Rich mahogany, spotted and striped with yellow and gold.

Giant Blue. Bright ultramarine blue, with purple eye.

Giant Golden. Fine golden yellow, with rich brown blotches on lower petals.

Giant Black. Magnificent velvety black.

Giant White. Pure white, with three dark blue blotches.

Giant Purple. Royal purple, with an elegant velvety lustre in the sunshine.

Giant Violet and Gold. A perfectly gorgeous variety.

Giant Margined. Rich maroon purple, shaded heliotrope, whole flower margined white.

Price of any of the Eight Giant Pansies, per packet of 50 seeds, 35 cts., or the collection of Eight Giant Pansies for \$2.50.

Giant (Trimardeau) Pansy. Mixed colors. Per packet of 150 seeds, 25 cts.

PANSY, "FIRE KING."

This variety is one of the richest colored and most effective. The upper part of the flowers is a vivid purplish crimson, the ground color of the lower petals, each of which is marked with a clearly defined dark blotch at its base, a most intense golden yellow. The flowers are round and perfect in form. Price, per packet, 25 cts.

DWARF PHLOX DRUMMONDI, "Delicata."

Forms little round compact bushes about six inches high, thickly studded with large flowers of the most charming color imaginable, and has to be seen to be fully appreciated. A delicate yellowish rose, with a carmine rose centre. Price, per packet, 25 cts.

NEW GIANT PANSY.

Beautiful Iceland Poppies.

(Papaver Nudicaule varieties.)

These Poppies range in color from the purest satiny white and yellow to the deepest glowing orange-scarlet, and have a delicious Lilac-like fragrance. Plants of them form very ornamental tufts of Fern-like foliage, from amongst which the slender flower stalks rise to about a foot in height, and bear elegant cup-shaped flowers, the petals of which glisten like crushed satin. The profusion of blooms which they produce is really astonishing. We have frequently counted a hundred flower stems on a single plant, and they are produced in never-ceasing succession from the beginning of June to October. Not only are these Poppies attractive in the garden, but for elegance in a cut state they are simply unsurpassed, and they last quite a week if cut as soon as they are open. They will flower the first season from seed, though they are hardy herbaceous plants, and will last for several years.

Iceland Poppy, Bright Yellow....	Per packet, .25
— Vivid Scarlet.....	“ .25
— Pure White.....	“ .25
— Gold Tinged Crimson....	“ .25
— Mixed Colors.....	“ .15

Collection of Four Iceland Poppies, 75 cts.

ICELAND POPPIES.

The Great White California Tree Poppy.

(Romneya Coulteri.)

Our collector, a thorough and scientific botanist, writes on August 11th, 1888: "If you could only see these plants, now in bloom, I am sure you would agree with me that there is no finer perennial grown. At first I took them to be large single white pæonias, as they resemble them very much in foliage as well as in the flowers; the latter are large (4 to 5 inches across), pure white, with a fine bunch of yellow stamens. The plants attain a height here of 6 to 8 ft." It will be hardy south of Washington, but north of that latitude it will require cold green-house protection in winter, or can be kept in a light cellar.

Price, per packet, 25 cts.

Laing's "Gold Medal" Tuberous Begonia.

Tuberous rooted Begonias are grand flowering plants for spring decoration in the house, and are frequently used as bedding plants in partially sheltered positions. The seed offered is saved from a collection that is not equaled for variety and quality in the world. Laing's Begonias have a world-wide fame, and have been awarded more First Prizes and Certificates of Merit at the leading Flower Shows than any other collection. The form, substance, size and color of the flowers are unapproached by any other raiser.

The seeds of Begonias are very small, but they are raised with greatest ease, providing the directions on the packets are followed.

Mixed Single, "Gold Medal" Varieties, per pkt., 50c.; Mixed Double, "Gold Medal" varieties, per packet, 75c.

HARDY YELLOW LARKSPUR.

Our "Cart Wheel" Cinerarias.

(*Cineraria Hybrida Gigantea*.)

We have pleasure in offering a strain of this indispensable green-house plant, that produces flowers of prodigious size. We have had some that measured 3 inches across, or equal in size to a well grown Single Dahlia; but it of course requires special culture to attain this perfection. If only given the culture that ordinary Cinerarias get, this strain will average one-third larger. Flowers of perfect form and a fine variety of colors. (See cut.)

Mixed colors, per packet, 75 cts.

"CART WHEEL" CINERARIA.

A Hardy Yellow Larkspur.

Delphinium "Zalil."

A pure sulphur yellow flowering perennial of a lovely and delicate shade, resembling in color the Marechal Neil Rose, a color unknown till now. The plant is of branching habit, 3½ to 4½ feet high, the branches ending in long spikes of 40 to 50 blossoms, which open almost at the same time. The flowers are one inch in diameter and last in flower from June till August. Price per packet, 15 cts.

TOM THUMB VERBENA.

Tom Thumb Verbenas.

(*Verbena Hybrida Compacta*.)

A new and fine strain, remarkable for its growth. The plants are of exceedingly dwarf, compact growth, not exceeding 6 inches in height; the branches are only one-half the length of the old varieties, and spread so as to form almost circular bushes about 2 feet in diameter, throwing up regularly in candelabra fashion handsomely formed flower heads in great abundance. The individual flowers are large and well formed. (See cut.) We offer several separate colors, or the whole included in mixture, viz.:

	Per Pkt.		Per Pkt.
Candidissima. Pure white.....	25	Coccinea. Bright scarlet.....	25
Violacea Oculata. Violet, white eye. 25		Atropurpurea. Dark blood red.....	25
Mixed Colors, including above vars. 25		Collection of 4 separate sorts.....	85

Additional Novelties for 1889.

The descriptions given are abridgments of the originators, which, on account of their late arrival, we are unable to give the space they no doubt deserve.

	Per Pkt.		Per Pkt.
Copper Colored Pompone Jacobæa. Large double flowers of lustrous copper color; plant very compact, blooming for a long period, rendering it valuable for dwarf beds and edgings.....	15	Perilla Nankinensis Macrophylla Crispa Compacta Elatior. A fine ornamental annual foliage plant for ribboning, with large leaves elegantly crinkled at the edges; of a rich mulberry black color; height, 1½ feet. 15	
Rhodanthe, Double White. Splendid everlasting flowers for dried bouquets. The dried specimens sent us by the raiser look as natural as if fresh; are from 2 to 3 inches in diameter, very double and the purest of white; really a desirable thing. He claims they make excellent plants for pots.....	25	Salvia Coccinea Lactea. A pure milk-white variety of the Annual Salvia Coccinea, and is the first and only white annual Salvia in existence; height, 2 ft.....	15
Lobelia Littoralis Repens. Forms long trailing branches 1 to 2 feet in length, covered with small round, toothed leaves; flowers pure white and produced in large numbers, which are followed by large green seed-pods three-eighths of an inch broad, which soon change to bright red. The white flowers, green and red pods are soon densely studded all over the plant at one time, rendering it a very attractive plant for hanging baskets and vases.....	25	Zea Gracillima Gigantea Variegata. Luxuriant green and white striped foliage; plants grow from 6 to 9 feet high; a great improvement over the old Zea Japonica, as these are more decidedly striped, and leaf out from the ground up, rendering it splendid for groups and tropical massing.....	15
Zinnia, Tom Thumb. Double White. Plants attain a height of about 1 foot, producing freely very double, pure white flowers.....	25	Zea Gracillima Pumila Zebrina. The stripes of white run across the leaves instead of lengthwise, making it very novel; height about 3 feet.....	15
		Poppy, Double Pæony Flowered Chamis Rose. This is a really splendid and quite new color, not yet existing in Poppies, which will take a foremost place among the finest of this beautiful class, and prove to be a great addition to it. The flowers are of good size, extremely double, forming perfect balls.....	25

AGERATUM.

Per Pkt.

Suitable for pot culture in winter or bedding out in summer; flowering continually and profusely. *HA.*

Ageratum, Blue. 2 ft.....	5	Ageratum, Tom Thumb. Blue. $\frac{3}{4}$ ft.....	5
— White. 2 ft.....	5	— — White. $\frac{3}{4}$ ft.....	5
— Lasseauxi. Rose. 2 ft.....	5		

ASPERULA.

Clusters of charming fragrant flowers, admirably adapted for bouquets.

Asperula Azurea Setosa. Sky blue. 1 ft. <i>HA.</i>	5
— Odorata. (Sweet Woodruff.) Flowers have a delicious odor when dried that imparts an agreeable perfume to clothes, etc., when kept among them. White. 6 to 12 inches. <i>HP.</i>	10

ALYSSUM.

Annual Varieties.

Flowers profusely and throughout the season—thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and the Tom Thumb variety for edgings.

Alyssum Maritimum. (Sweet Alyssum.) <i>HA.</i> White, 1 ft.....	5
— Benthamii Compacta. (Tom Thumb Sweet Alyssum.) White. <i>HA.</i> $\frac{1}{2}$ ft.	5

Hardy Perennial Varieties.

Showy plants for permanent borders and beds.

Alyssum Wiersbecki. Summer blooming; yellow. <i>HP.</i> 1 ft.....	5
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Per Pkt.

— Saxatile Compacta. Spring blooming; dwarf; golden yellow. <i>HP.</i> $\frac{3}{4}$ ft.	5
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AMPELOPSIS VEITCHII.

"Japanese Ivy" or "Boston Ivy." The young growth during summer is a dark purplish green, changing in fall to the brightest tints of scarlet, crimson and orange, and is our finest hardy climber for covering stone and brick buildings, old trees, etc. *HP.* climber, 50 ft. (*See cut.*)..... 10

AURICULA.

A dwarf growing plant, bearing umbels of fragrant flowers of many rich and beautiful colors. A great favorite in Britain, where flower shows are held of this plant alone. *HP.* $\frac{1}{2}$ ft.

Auricula. Fine Mixed.	10
— Extra Choice Mixed. From a prize collection.....	25

ANTIRRHINUM, TOM THUMB.

AMPELOPSIS VEITCHII.

ANTIRRHINUM.

For summer flower beds these beautiful "Snapdragons" are very showy, flowering from seed the first season. (*See cut.*)

Antirrhinum. Tall Mixed. 2 to 3 ft. <i>HP.</i> Various colors.....	5
— Extra Choice Striped Mixed. 2 to 3 ft. <i>HP.</i> Various colors.....	10
— Tom Thumb Mixed. <i>HP.</i> Dwarf growing sorts, 1 ft. (<i>See cut.</i>).....	5
— Nanum Picturatum. New blotched and spotted sorts of great beauty. <i>HP.</i> 2 ft.	10

Imported Collection of Dwarf Antirrhinum in six separate sorts, 50 cts.

AQUILEGIA.

Ornamental, hardy plants, known as "Columbines." Effective in beds, rockeries, etc. *HP.* 1 to 3 ft.

Double White.	5	Single Mixed.	5
— Striped. Red and white.....	5	Golden Spurred. (Chrysantha.) Beautiful, long yellow spurred flowers.....	10
— Mixed	5

AMARANTHUS GIBBOSUS.

Per Pkt.

AMARANTHUS.

Plants grown exclusively for their foliage, in late summer and early fall; the glowing effect of their rich foliage is scarcely equaled by any similar class of plants. *HHA.*

Amaranthus Atropurpureus.

Blood-red foliage, drooping flower spikes, 2 ft.	5
— Bicolor Ruber. Foliage green and dark red, tipped with yellow, 3 to 5 ft.	5
— Caudatus. (Love-lies-Bleeding.) Dark drooping flower spikes.....	5
— Henderi. Foliage rosy carmine, orange buff, golden yellow and olive green; a beautiful drooping variety; 2 ft.	5
— Melancholicus Ruber. Foliage blood-red. 2 ft.	5
— Salicifolius. (Fountain Plant.) Gracefully drooping, willow shaped leaves, brilliantly banded and tipped with orange, carmine and bronze.....	10
— Tricolor. (Joseph's Coat.) Leaves red, yellow and green, 3 ft.	5
— Gibbosus. Long drooping panicles, frequently 2½ ft. long, of purplish red; very unique. (<i>See cut.</i>).....	10

The Ampelopsis Veitchii seed I sowed two years ago has grown wonderfully; the plants cover two sides of a brick two-story coach house, clambering around pillars and over cornices, giving a grand effect.—JOHN SMITH, gardener to Jas. B. Colgate, Esq., Yonkers, N. Y., Aug. 6th, 1888.

ASTERS.

French, German & China
Varieties.

It seems scarcely necessary to speak of the merits of such universally grown favorites as these; yet there may be some who are not aware of the great strides that have been made in recent years, and of the distinct new races that have been originated.

PERFECTION ASTER.

Perfection Asters

(Truffaut's Improved Pæony Flowered.)

A favorite class; thrifty upright growers; flowers large (4 inches across) and almost perfectly round, with incurved petals; height, 18 inches to 2 ft. (See cut.)

Dark Scarlet and White.....	10
Glowing Dark Crimson.....	10
Satin White.....	10
Brilliant Rose.....	10
Purple Violet.....	10
Lilac Red and White.....	10
Perfection Finest Mixed. Contains many exquisite sorts.....	10

Comet Aster.

Differing from all others in the shape of flowers; its long, wavy and twisted petals are formed into a loose yet dense half-globe, resembling the Japanese Chrysanthemums; flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches across; each petal a delicate pink, margined with white. (See cut.)..... 25

COMET ASTER.

Diamond Asters.

Flowers very regular and double; $1\frac{1}{2}$ in. in diameter, and produced in greatest profusion. Mixed colors. (See cut.)..... 15

Aster Giant Emperor.

This variety produces the largest flowers of any, but at the expense of quantity; they measure from 4 to 6 in. in diameter, and are perfectly double; height 18 in. Mixed colors..... 25

Harlequin. A variety with very oddly spotted and striped double flowers of various colors. They are dwarf in habit and very novel. (See cut.)..... 15

VICTORIA ASTER.

Victoria Asters.

Probably the handsomest varieties, taken all in all, for size, color and profusion of bloom. The colors include many extremely delicate and some gorgeous shades; flowers very double and 4 inches across; from 20 to 40 on a plant; height, 15 to 18 inches. (See cut.)

Pure White.....	15
Dazzling Scarlet.....	15
Indigo Blue and White.....	15
Peach Blossom Pink.....	15
Crimson and White.....	15
Sky Blue.....	15
Victoria, Finest Mixed. Contains many lovely colors.....	15

New Rose Comet Aster.

Pure deep rose colored variety of the Comet Aster, with very large and extremely double flowers..... 25

HARLEQUIN ASTER.

DIAMOND ASTER.

DWARF CHRYSANTHEMUM FLOWERED ASTER.

ASTERS.

(Continued.)

Dwarf Chrysanthemum Flowered Asters

Grow 9 inches high. Surpass all the dwarf varieties in size of flowers. They are full and double and produced in clusters of 10 to 20 on a plant. (See cut.)

Per Pkt.

Fiery Scarlet..... 10 | Flesh..... 10
Snow White..... 10 | White and Azure Blue 10
Finest Mixed. Containing many beautiful colors 10

Asters, Miniature Bouquet. Grows 6 to 8 inches high. The little round plants are fairly hidden with very double-button-like flowers, mixed colors. (See cut.)..... 10

MINIATURE BOUQUET ASTERS.

Asters.

Per Pkt.

— **Dwarf Pyramidal Bouquet.** Pretty class; very profuse bloomers, producing 20 to 50 heads of bloom; many beautifully tipped; grows 1 ft. high, mixed colors.....10

— **Hedgehog or Porcupine.** Flowers composed of long, slim pointed needles or quills. Mixed colors.....10

— **Crown.** The centre of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large and freely produced; height, 18 inches to 2 ft. (See cut.).....10

— **China.** A tall double flowering class, very largely sold, but by no means equal to the improved varieties. Mixed colors..... 5

— **Goliath.** Flowers of enormous dimensions and perfect form; 2½ ft. Mixed colors.....15

CROWN ASTERS.

Asters.

Per Pkt.

— **Rose Flowered.** Flowers large and double, the outer petals finely recurved and the inner ones incurved like a rose; 2½ ft. Mixed colors.....10

— **Betteridge's Quilled.** Flowers are composed of tube or quill-shaped petals. This is an improved strain, with large double flowers and of beautiful colors; 2 ft. Mixed colors. (See cut.)..... 5

— **Victoria Needle.** Flowers large and double, each petal of which is curved as round as a knitting needle; very unique and beautiful; remarkably free flowering; grow 18 inches high. Mixed colors. (See cut.)15

— **Triumph.** A very dwarf profuse flowering variety with exceeding large double brilliant crimson-scarlet flowers. See colored plate (and description in Novelties, page 58)...25

Imported Collections of Asters.

Per Pkt.

Betteridge's Quilled.
In 6 separate colors, 40c.; in 12, 75c.

Miniature Bouquet.
In 10 separate colors 75c.

Crown, or Cocardeau.
In 6 separate colors..50

Diamond. In 10 separate colors..... 75c.

Dwarf Chrysanthemum Flowered. In 6 separate colors... 50

Dwarf Pyramidal. In 6 separate colors... 50

Goliath. In 6 separate colors.....50

Perfection. In 6 separate colors, 40c.; in 12, 75c.

Victoria. In 6 separate colors, 50c.; in 12, \$1.00.

VICTORIA NEEDLE ASTER.

BETTERIDGE'S QUILLED ASTER.

BALSAM.

BRACHYCOME. Per Pkt.

The beautiful "Swan River Daisy," producing large single flowers in profusion all summer. (See cut.)

Mixed Blue and White. HHA. 6 to 8 in. 5

BALLOON VINE.

A rapid growing, handsome summer climber, having small white flowers, which are followed by seed vessels shaped like small balloons. HA. 10 15 ft. 5

BEGONIA REX.

BELLIS, DOUBLE QUILLED.

Begonia.

Magnificent flowering plants in pots, and in Europe extensively bedded out, flowering in the greatest profusion all summer. The individual florets will average from 2 to 3 inches in diameter, and are of all colors. TP. 1 ft. Per Pkt.

Begonias, Tuberous Rooted Finest Mixed. Single..... 15
 ————— Finest Double Mixed.. 25
 ————— Laing's Gold Medal. (See Novelties.)

Fibrous Rooted Sorts.

Begonia Rubra. A splendid winter flowering variety, bearing immense quantities of flowers of scarlet rose, glossy and wax-like; most beautiful and distinct..... 15
 — Rex. Large ornamental leaves of dark green, bronze, gold, red, etc. 25
 — Scharffiana. (See Novelties.)

BALSAMS.

Per Pkt.

Improved strains of well-known favorites, forming dwarf bushy plants profusely covered with large double flowers of brilliant colors throughout the summer and autumn. Balsams are also called "Lady's Slipper" and "Touch-me-not." HHA. 1½ to 2 ft. (See cut.)

Double Striped, Spotted and Mottled Varieties.

Balsam, Crimson Spotted White..... 10
 — White, Striped Red and Purple... 10
 — Scarlet, Mottled White..... 10
 — Solferino. White, striped and spotted, lilac and scarlet..... 10

Double Self or One Colored Varieties.

Balsam, Porcelain Blue, shaded White.. 10
 — Maiden's Blush, soft pinkish blush.. 10
 — Pink..... 10
 — White..... 10
 — Scarlet (King)..... 10
 — Lavender..... 10
 — White Perfection. The finest pure white grown; flowers unusually large, solid and double..... 15
 — Extra Choice Double Mixed Varieties from named sorts..... 10
 — Double Mixed..... 5
 — Collection of 8 "Henderson's Superb" Varieties..... 75

BELLIS.

The old favorite "Double Daisy" much improved, with very double large flowers; for edgings and dwarf beds in the spring this is a charming plant. HHP. 1½ ft.

Bellis, Double White..... 15
 — Longfellow. Large double rose-colored flowers..... 15
 — Double Mixed. 1½ ft..... 15
 — Double Quilled Mixed. A new strain, the flowers of which are composed of petals as round as a knitting needle; very pretty and curious. (See cut.)..... 25
 — Double Rose Centre. (See Novelties.)
 — Giant, Double White " "

BRACHYCOME.

BROWALLIA.

Plants completely studded with their beautiful flowers during the whole summer; also admirably adapted for pot culture in winter. *HHA*, 1½ ft.

Per Pkt.

Browallia, Blue.....	5
— White.....	5
— Roezli. Dense, compact habit; flowers very large; delicate azure blue and white.....	10
— Mixed.....	5

BIDENS.

BIGNONIA.

Bignonia Grandiflora (Trumpet Creeper). A rapid growing, hardy climbing plant. It clings by tendrils. The flowers, dark red and orange, are of trumpet shape, and borne in large clusters in the fall. *HP*, 40 to 60 ft. 10

BIDENS.

Bidens Atrosanguinea. (*Dahlia Zimapani*.) Large, showy, free flowering plant resembling the Single Dahlias; black crimson flowers. *HHA*, 3 ft. (*See cut.*)..... 10

CALCEOLARIA, LARGE FLOWERING, SPOTTED AND MOTTLED.

CALCEOLARIA.

Per Pkt.

Gorgeous plants for green-house and window decoration; the large pocket-shaped flowers are borne in the greatest profusion through spring and summer; colors yellow, maroon, crimson, etc.; spotted and blotched in the most unique and beautiful fashion. *TP*, 1½ ft. (*See cut.*)

Grandiflora or Large Flowering Section.

Calceolaria, Spotted and Mottled Varieties Mixed.....	50
— Dwarf Growing, Spotted and Mottled Varieties Mixed. 1 ft. high.....	50
— New Striped. Flowers striped like a bizarre Carnation...	50
— Self Colored Mixed. Flowers of all one color, red, maroon, gold, etc.....	25

Shrubby or Bedding Calceolarias.

True bedding varieties, with innumerable small flowers.	
Calceolaria Rugosa. Mixed. Self Colors.....	50
— Tigered, Spotted and Mottled Varieties Mixed.....	75

CALENDULA, "PURE GOLD."

CALENDULA.

Per Pkt.

Remarkably profuse blooming plants, for bedding out in the garden or growing in pots, vases, etc. *HA*, 1 ft.

Calendula Pluvialis. (Cape Marigold.) Large, pure white single flowers.	5
— Pongei fl. pl. (Pot Marigold.) Double white.....	5
— Meteor. Large double yellow flowers, striped with orange.....	5
— Prince of Orange. Similar to "Meteor," but much darker.....	5
— Ranunculoides Fl. Pl. Double orange.....	5
— Le Prouste. Nankeen color; fine.....	5
— Pure Gold. A magnificent variety of pure golden yellow; large flowers, borne profusely until frost. (<i>See cut.</i>).....	10

CANARY BIRD VINE.

A rapid growing summer climber, with canary yellow flowers, resembling somewhat a canary bird with expanded wings. *HHA*, 10 to 15 ft... 10

CACALIA.

Free flowering plants for flower beds, etc.; known as "Tassel Flower;" flowers scarlet, orange, etc.

Cacalia. Mixed. <i>HA</i> , 1½ ft.....	5
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CALANDRINIA.

Calandrinia Grandiflora. Dwarf growing plants for the flower garden; the sunshine causes the large rose flowers to expand into a perfect blaze of beauty. *HHA*, 1 ft..... 5

CALLIOPSIS OR COREOPSIS.

Showy, free flowering summer bedding annuals, with large and gaudy flowers, lasting in bloom all summer. *HA*, 2 ft.

Dark Crimson.....	5
Finest Mixed.....	5
Yellow, Crimson Eye.....	5
Yellow and Purple Brown.	5
Tom Thumb Mixed. A beautiful strain; plants dwarf and compact. (<i>See cut.</i>)... 10

CALLIOPSIS, "TOM THUMB"

Imported collection of 10 separate sorts, 50c.

CANDYTUFT, "EMPRESS."

Tom Thumb Candytuft.

Only 4 to 6 inches high; splendid for edgings.

White.....	10	Purple.....	10
Flesh.....	10	Mixed Colors.....	10
Rose.....	10		

Campanula.

Well-known favorites; bearing large bell and saucer-shaped flowers in profusion; well adapted for borders and for pot culture.

Hardy Perennial Varieties. Per Pkt.

Campanula, <i>Carpatica</i> , Mixed. Blue and white; dwarf, 9 in.....	5
— <i>Pyramidalis</i> , Mixed. Blue and white; a grand sort, known as the "Pyramidal Bell Flower." 4 ft.....	5
— <i>Rotundifolia</i> , Mixed. Blue and white; the "Blue or Hare Bell." 6 to 12 in.....	10

Annual Varieties.

Campanula <i>Speculum</i> , Mixed. "Venus' Looking Glass." Blue and white; pretty sort. 1½ ft.....	5
— Double. Charming double blue flowers. ½ ft.....	10
— <i>Macrostyla</i> . Singular and curious variety; violet; oddly veined. 1 to 2 ft.....	10

"CUP AND SAUCER" CAMPANULA.

"Cup and Saucer" Campanula.**(C. Calycanthema.)**

A comparatively new race of "Canterbury Bells." The flowers are large, of a beautiful shade, resembling somewhat a cup and saucer. HB. 1½ ft. (See cut.)

Campanula <i>Calycanthema</i> , Mixed. Blue, white, lilac, etc.....	10
— <i>Rosea</i> . Beautiful rose color.....	15

Canterbury Bell.

Produces large, nodding and charming flowers of many shades. HB. 2½ ft.

Canterbury Bells, Single Striped.....	10
— Single Mixed. Rose, blue, white and lilac.....	5
— Double Mixed. Rose, blue, white and lilac.....	5

Celosia, or Cockscomb.

Highly ornamental for flower beds. HHA.

Cristata, the True Cockscomb. Per Pkt.

Celosia, Dwarf <i>Crimson</i> . 1 ft.....	5
— <i>Golden Beauty</i> . Golden yellow.. 1 ft.....	5
— <i>Variegata</i> . Striped, gold and crimson. 2 ft. (See cut.).....	5
— <i>Japonica</i> . Pyramidal plant, composed of crimson branches, each bearing a comb of the same color and finely ruffled.....	5
— <i>Glasgow Prize</i> . Very dwarf; immense crimson combs. 1 ft. (See cut.).....	10
— Dwarf <i>Mixed</i> . Many colors. 1 ft.....	5

Plumosa, Feathered Cockscomb.

Plants surmounted with long feathery plumes. Plumosa, <i>Golden Yellow</i> . 3 ft.....	10
— <i>Scarlet</i> . 3 ft.....	10
— "Golden Plume." Very dwarf, producing graceful golden plumes.....	25

Imported collection of 6 Dwarf Varieties, 30c.

CELOSLA, "GLASGOW PRIZE."

CELOSLA, "VARIEGATA."

Candytuft.

Dwarf plants, flowering profusely throughout the whole season; great favorites for beds, edgings, pots, borders, etc.

Annual Varieties.

Hardy Annuals, growing ¾ to 1 ft. high.

Candytuft, *Empress*. A most beautiful Candytuft, being a series of eandelabra-shaped branches, each producing a large truss of pure white flowers, thus presenting a perfect pyramid of bloom throughout the summer. (See cut.) Price, per packet, 10c.

	Per Pkt.		Per Pkt.
— <i>Carmine</i> . Vivid..	10	Candytuft, <i>White</i>	5
— <i>Crimson</i>	5	— <i>White Rocket</i>	5
— <i>Lilac</i>	5	— <i>White, Fragrant</i> ..	5
— <i>Purple</i>	5	— <i>Mixed Colors</i>	5

CANDYTUFT, "WHITE ROCKET."

Hardy Perennial Candytuft.

Per Pkt.

Candytuft, <i>Sempervirens</i> . (Evergreen Candytuft.) White. 1 ft.	10
— <i>La Purite</i> . Compact, dwarf, white. 6 in.....	15
— <i>Gibraltica</i> . Showy, large growing, red, rose and white. 1 to 2 ft.....	25

CARNATIONS.

green-house from January to April will then produce flowering plants in July. (See cut.) Price, per packet (in distinct colors only), 15c.

CANNA.

Grand plants for groups on lawns. Luxuriant foliage. *HHP.* (See cut.) Per Pkt.

Canna Marechal Vaillant. Flowers orange, foliage bronze, 4 to 6 ft. 10

— **Musæfolia Hybrida.** Flowers red, foliage green, 2 ft. 10

— **Nepalensis.** Canary yellow, foliage green, 3 ft. 10

— **Zebrina.** Flowers scarlet, foliage striped, 4 ft. 10

— **Mixed.** Including many varieties. 5

Imported collection of 6 separate sorts, 50c.

CENTAUREA.

White Leaved, or Dusty Miller Varieties.

Valuable plants for ribbon bedding, the silvery whiteness of the leaves being very effective with other colored leaved plants.

Centaurea Candidissima. Dwarfest. *HHP.* 1 ft. 15

— **Clementei.** Drooping, fringed leaves, 1½ ft. 15

— **Gymnocarpa.** One of the best 1½ ft. ... 10

Varieties Grown for Flowers.

Centaurea Cyanus. Known as "Blue Bottle,"

"Corn Flower," "Bluet," "Ragged Sailor,"

etc.; fine for cut flowers. *HA.* 2 to 3 ft.

— **Blue.** 5 | **Centaurea Cyanus, White.** 5

— **Rose.** 5 | **Mixed.** 5

— **Americana.** Large growing, and showy for large borders or backgrounds; purplish red. *HA.* 3 ft. 5

CLARKIA.

Charming for beds. Large flowers of rose, white, red, purple, etc., borne in profusion. *HA.* 1 to 2 ft.

Clarkia, Single Mixed, including many sorts. 5

— **Double Mixed,** including many sorts. 5

COBÆA.

Elegant rapid growing climbers, that can be grown in the green-house in winter, or in the open ground in summer; flowers bell-shaped. *HHP.* 20 to 30 ft.

Cobæa Scandens, Blue 10 | **Cobæa Scandens, White** ... 25

Charming and brilliant colors, for pot culture in the winter or for growing out in the summer, they are unsurpassed. *HHP.* 1 to 2 ft. (See cut.) Per Pkt.

Carnation, Choicest Mixed Bizarres. Flakes, fancy and selfs, very double, including crimson, rose, white, yellow, purple, striped and flaked with various colors. (See cut No. 2.) 50

— **Perpetual, or Tree. Mixed.** From a choice collection. Splendid for winter flowering. (See cut No. 1) 50

— **Choicest Mixed Picotee.** The flowers of this class are all of one color, white or yellow; each petal, however, is bordered with purple, red or rose. 50

— **Le Favori.** Rosy carmine, per packet of 12 seeds, 25

— **Hermine.** Snow white, " " " 25

— **Jean Sisley.** Salmon yellow, " " " 25

— **Grenadin.** Dwarf and early, brilliant double scarlet flowers. 25

— **Finest Double Mixed.** From open ground plants, 25

— **Double Mixed.** (A small per cent. of these will come single)..... 10

Imported collection of 6 finest double, separate sorts, 50c.

Imported collection of 12 finest double, separate sorts, \$1.00.

New Dwarf Large Flowering French Cannas.

A new class of Cannas, introduced by a Monsieur Crozy, in France, a successful grower and improver of these magnificent plants. The foliage is luxuriant and varied in color, and the plant dwarf in habit, averaging not over 3 to 4 feet in height. Their great merit, however, lies in the large size and dazzling hues of the flowers. They resemble but far excel the Gladiolus in brilliancy of color, ranging through all shades of yellow and orange to the richest crimson, scarlet and

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LARGE FLOWERING DWARF FRENCH CANNA.

CHRYSANTHEMUM.

es. — a gorgeous display in the flower garden, or for pot culture.

Single Annual Varieties.

- Thrifty plants, producing quantities of large flowers, these single sorts being particularly attractive. Colors, crimson, gold, maroon, white, etc., making a brilliant display. *HA.* 12 to 18 inches high. (See cut.) *Per Pkt.*
- Chrysanthemum, Burridgi.** Rich crimson, white centre. (See cut.)..... 5
- **Eclipse.** Golden yellow, scarlet ring; centre rich brown..... 5
- **Golden Feather.** Foliage golden yellow; flowers white with crimson ring, inner circle of canary, maroon eye..... 10
- **Gladstone.** The whole flower is a brilliant rich crimson..... 10
- **Lord Beaconsfield.** Crimson, maroon edged and striped gold, brown eye, ringed yellow..... 10
- **Segetum Grandiflorum.** Sulphur yellow flowers, 2½ inches across..... 5
- **The Sultan.** Crimson maroon, centre a wide gold ring..... 10
- **Venustum.** White, crimson centre..... 5
- **Single Mixed.** Annual sorts..... 5 | Imported collection of 6 sorts..... 25

Double Annual Varieties.

- (See cut.)
- Chrysanthemum, Double Golden Yellow**..... 5
- **Double Sulphur Yellow**..... 5
- **Double White**..... 5
- **Double Scarlet.** (See Novelties.)..... 5
- **Double Mixed.** (Annual.)..... 5
- **Inodorum Plenissimum.** A semi-trailing variety; small double white flowers borne throughout the season. Fine for vases... 10

Hardy Double Perennial Varieties.

These are the flowering "Artemisias" of old gardens, improved. The seed has been saved from one of the largest and best collections in the country, and includes the newest sorts. *HHP.* 2 to 6 ft. (See cut.) *Per Pkt.*

- Chrysanthemum, Chinese or Large Flowering.** Double Choice Mixed..... 50
- **Japanese.** Double Choice Mixed. Long fantastic petals..... 50
- **Pompones or Small Flowering.** Double Choice Mixed..... 50
- **Double Choice Mixed.** All types..... 50
- **Dbl. Good Mixed.** All types..... 15

CHRYSANTHEMUM, BURRIDGI.

Single Perennial Varieties, or "Paris Daisies."

These are the "French Marguerites" or "Paris Daisies," so much grown for cut flowers. They make elegant pot plants for winter flowering. *Pkt.*

Chrysanthemum Frutescens Grandiflorum. White, dark eye..... 10

— **Comtesse de Chambord.** Large golden yellow..... 25

CHRYSANTHEMUM, DOUBLE ANNUAL.

CHRYSANTHEMUM, SINGLE ANNUAL.

CYPRESS VINE.

Summer climbers, feathery foliage and little star-shaped flowers borne in clusters. *HHA.* (See cut.) *Per Pkt.*

- Cypress Vine, White**..... 5
- **Rose**..... 5
- **Scarlet**..... 5
- **Mixed**..... 5
- **Ivy Leaved.** Scarlet flowers..... 5

CYPRESS VINE.

CUPHEA.

Per Pkt.

Profuse blooming plants, for pot culture in the winter or bedding out in the summer.

Cuphea Miniata. Vermilion and violet flowers of curious shape. *HHP.* 1 to 2 ft.... 10

— **Roezlii Superba.** Dense clusters of orange and red flowers. *HHP.* 2 to 3 ft. 15

CUCUMIS.

Cucumis Flexuosus. (Snake Cucumber.) Rapid growing summer climber, with curious fruits 3 ft. long. *HHA.* 6 ft.... 5

CYPERUS.

Cyperus Alternifolius Variegatus. (Umbrella Plant.) A handsome foliage plant, adapted for the green-house or open ground, throwing up a number of round stems, from 1 to 2 feet high, which are topped by flat long leaves striped with white resembling an open umbrella frame. 1 to 2 ft..... 15

CHRYSANTHEMUM, PERENNIAL MIXED.

Cineraria.

Hybrida or Flowering Varieties. Per Pkt.

Magnificent flowering plants for conservatories, etc., in the winter and spring. The flowers of the Grandiflora or Large Flowering type measure 2 inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of bloom. *HHP*. 1 ft. (See cut.)

- **Cineraria, Large Flowering Mixed.** From choicest prize varieties, 1 ft. 50
- **Dwarf Growing Large Flowering Mixed.** $\frac{3}{4}$ ft. 50
- **Double Large Flowering Mixed.** 50
- **Good Mixed.** 25
- **"Cart Wheel."** (See Novelties.)

White Foliage Varieties.

Also known as "Dusty Miller." Largely used for ribbon planting, vases, etc. *HHP*.

- **Maritima.** Silvery leaves, compact habit. 1 ft. 10
- **Acanthifolia.** Gray-white leaves, spreading habit. 2 ft. 10

COLEUS. Per Pkt.

Plants with richly colored foliage of maroon, green, crimson, yellow, etc., veined and spotted in a beautiful manner. For groups on lawns and ribboning they are indispensable. *TP*. 1 to 3 ft.

- **Coleus, Fine Mixed.** Including many sorts. 25
- **New Hybrids, Choicest Mixed.** 50
- **New Large Leaved Varieties, Mixed.** 50

COWSLIP.

The well known favorite English Cowslip, flowering early in the spring.

- **Cowslip, Mixed Colors.** *HP*. $\frac{3}{4}$ ft. 5

COSMIDIUM.

Showy annual for beds and borders, flowers large crimson, brown and yellow. *HA*. 2 ft. 5

COSMOS.

Plants 4 to 6 ft. high; literally covered in the autumn with large single flowers, resembling Single Dahlias. A group in bloom is a gorgeous sight. Colors range through shades of rose, purple, flesh, white, etc. (See cut.)

- **Cosmos, Large Flowering Mixed.** 10
- **Pearl.** Beautiful snow white. 15

CINERARIA HYBRIDA.

CLEMATIS. Per Pkt.

Handsome hardy climbers for training on walls, trellises, etc., or drooping over rock work. *HP*. 6 to 12 ft.

- **Clematis, Large Flowering Mixed (Jackman's).** Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc. (See cut.) 25
- **Coccinea.** Tubular flowers of waxy vermilion, interior yellow 15
- **Crispa.** Tube-shaped flowers, expanding into a star; exquisite pale blue and white 15
- **Flammula (Virgin's Bower).** Fragrant white feathery flowers, borne in clusters. 10

COCCINEA.

Coccinea Indica. Handsome climber, with dark, glossy, green foliage, bearing fruits 2 inches long, which turn to brilliant scarlet, spotted with white. *HHP*. 10 ft. 10

COLLINSIA.

Free flowering annuals of great beauty, for massing and mixed flower borders. *HHA*. 1 to 2 ft.

- **Collinsia, Finest Mixed.** White, blue, violet, pink, etc. 5

CLEMATIS, JACKMAN'S LARGE FLOWERING.

CONVOLVULUS.

The well known Morning Glories. Splendid climbing and bedding plants. Nothing can equal them for rapidity of growth and profusion of bloom.

Climbing Varieties. (C. Major.) HA. 30 to 50 ft.

Convolvulus, White. 5	Convolvulus, Rose. 5
— Blue. 5	— Blood Red. 5
— Striped. 5	— Mixed. 5
— Aureus Superbus. A smaller growing sort, with smaller flowers of golden yellow. 10	
— Mauritanicus. A beautiful trailing variety for vases, baskets, etc.; flowers blue with white and yellow throat. <i>HHP</i> . 3 ft. 10	

Bedding Varieties. (C. Minor.)

These grow only about 1 foot high; the flowers are freely borne, and remain open all day, if pleasant; splendid for bedding. *HA*. 1 ft.

- **Convolvulus, Minor Unicaulis.** Rich violet. 5
- **Crimson Violet.** Rich crimson violet, with white throat and yellow eye. 5
- **Roseus.** Rose, with white throat, fringed purple, large golden eye. 5
- **Minor, Mixed.** Including many varieties. 5

COSMOS.

Cyclamen.

Low growing plants, with beautiful foliage, producing in the winter and spring numbers of exquisite flowers, of rose, red, white, spotted, etc. *HHP.* bulbs. $\frac{1}{2}$ ft. (See cut.) *Per Pkt.*

Cyclamen Persicum, Finest Mixed. 25
— *Giganteum*, Mixed. Flowers 2
to $2\frac{1}{2}$ inches long. 50

DATURA.

Strong growing plants, known as "Angel's Trumpets," large showy flowers suitable for borders. *HA.* 3 ft.

Datura Wrightii. Large white and lilac flowers. 5
— *Fastuosa fl. pl.*, Mixed. Fine double varieties. 5

DOLICHOS.

The Egyptian or Hyacinth Bean; a rapid summer climber, bearing large clusters of showy flowers. *TA.* 10 ft.

Dolichos Lablab, Purple. 5
— White. 5

EUCALYPTUS.

Eucalyptus Globulus. (Blue Gum Tree.) Famous for its rapidity of growth; grown for tropical effects on the lawn. *HHP.* 10

DIGITALIS.

Dahlia.

Large magnificent flowers of the richest shades of orange, maroon, crimson, white, etc., render them indispensable for garden decoration. *HHP.* 4 to 6 ft. *Per Pkt.*

Double Varieties.

Dahlia, Fine Double Mixed. Including many colors. 10
— Extra Choice Double Mixed. From named flowers. 25
— Pompon, Double Mixed. Small flowering. 25

Single Varieties.

Very popular and showy, and fine for cut flowers.
Dahlia, Single Mixed. 10
— Striped Mixed. Handsomely striped and spotted. (See cut.) 15

STRIPED SINGLE DAHLIA.

Digitalis.

"Foxglove" or "Witches' Fingers"; ornamental hardy border plants, having long spikes of showy flowers. *HP.* 3 to 5 ft. (See cut.) *Per Pkt.*

Digitalis, White. 5
— Mixed. 5
— Purple. 5
— Spotted Mixed. 5
— *Monstrosa*, Mixed. Long spike, surmounted with one enormous flower; novel and beautiful. 15

ERYTHRINA.

Erythrina Crista-galli. The Brazilian Coral Plant. Magnificent in clumps on the lawn; the long spikes of dazzling scarlet contrast well with the rich green foliage. *HHP.* 3 to 6 ft. 15

CYCLAMEN.

Delphinium.

These hardy Larkspurs are very handsome and well suited for permanent beds. *HP.* *Per Pkt.*

Delphinium Cashmerianum. Pale blue flowers, 1 to 2 inches across. *HP.* 2 ft. 10

— *Elatum* "Le Mastodonte." (Giant Bee Larkspur.) Beautiful large blue flowers. *HP.* 3 to 6 ft. 25

— *Formosum*. Rich blue, white centre. 2 to 3 ft. 5

— *Nudicaule*. Large bright scarlet flowers. $1\frac{1}{2}$ ft. 10

— Finest Mixed Hybrids. Includes many varieties. 5
For Annual Varieties, see "Larkspurs."

ERYSIMUM.

Showy summer blooming plants, for mixed borders or clumps. *HA.*

Erysimum Arkansanum. The Western Wallflower; sulphur yellow. $1\frac{1}{4}$ ft. 5
— *Peroffskianum*. Reddish orange. 1 ft. 5

FERN.

Graceful plants, giving a beautiful appearance to the conservatory or window; the hardy sorts, grown in clumps, shady nooks, rockeries, etc., are very fine.

Fern, Green-house Varieties, Mixed. *TP.* 6 in. to 2 ft. 15
— Hardy Varieties, Mixed. *HP.* 1 to 3 ft. 15

DIANTHUS, HEDDEWIGII FL. PL.

DIANTHUS, CHINENSIS.

DIANTHUS, LACINIATUS FL. PL., STRIPED.

Dianthus or Pinks.

This family of "Pinks" is unrivaled for brilliancy and rich variety of color as well as their delicious perfume; they make showy flower beds, blooming profusely all summer.

Double Annual Varieties.

Per Pkt.

Dianthus, Chinensis fl. pl., Mixed. China or Indian Pink. 1 ft.....	5
— — — — — Alba fl. pl. Double white.....	5
— — — — — Heddewigii fl. pl., Mixed. Japan pink, large flowers. (See cut.).....	10
— — — — — Brilliant and Snowflake. (See Novelties.)	
— — — — — Diadematus fl. pl., Mixed. Diadem pink; compact; flowers densely double..	10
— — — — — Imperialis fl. pl., Mixed. Imperial pink	5
— — — — — Laciniatus fl. pl., Mixed. Double fringed	10
— — — — — Striata fl. pl. Large double fringed flowers of crimson, rose, white, etc., all beautifully striped. (See cut.)...	10
— — — — — "Mourning Cloak." Violet, black and maroon flowers, bordered white.....	10
Imported collection of 8 separate varieties, 50c.

DIANTHUS, "EASTERN QUEEN."

DIANTHUS, LACINIATUS.

Single Annual Varieties.

Flowers very large and freely produced, and of the richest colors and finely fringed. (See cut.) Per Pkt.

Dianthus, "Crimson Belle." Velvety glowing crimson.....	10
— — — — — "Eastern Queen." Beautifully marbled with light and dark mauve. (See cut.)	10
— — — — — Snowflake. Pure snow white.....	Per Pkt. 10
— — — — — Laciniatus, Mixed. Finest fringed sorts. (See cut.).....	5

Hardy Double Perennial Varieties.

These make splendid clumps.

Per Pkt.

Dianthus, Gardnerianus fl. pl., Mixed. Fragrant, fine large flowers.....	5
— — — — — Plumarius fl. pl., Mixed. Double Pheasant's-eye pink, fragrant fringed flowers, white, purple, variegated, etc. (See cut.).....	25
— — — — — Scoticus, Mixed. "Scotch Paisley Pink".....	50
— — — — — Semperflorens Hybridus fl. pl. Double "Mule Pink".....	50
(See also Carnations and Sweet Williams.)	

Hardy Single Perennial Varieties.

Large single fragrant flowers of beautiful colors and finely fringed.

Dianthus, Plumarius, Mixed. Feathered garden or Pheasant's-eye Pink.....	5
— — — — — Deltoides. "Maiden Pink." Rose-colored flowers, with dark circle.....	5
— — — — — Dentosus. "Amoor Pink." Reddish lilac, with a ring of purple streaks.....	5

DIANTHUS, PLUMARIUS FL. PL.

I had a packet each of your three single fringed pinks, "Crimson Belle," "Eastern Queen" and "Snowflake," and how beautiful they have been. I have cut and cut flowers from them for vases, and they seemed to flower all the more.—Mrs. Dr. DICKINSON, Denver, Colorado, September 1st, 1888.

ESCHSCHOLTZIA, ROSE CARDINAL.

GLADIOLI.

Grand summer and autumn flowering plants, producing long spikes of large flowers of hundreds of shades of color; marked, striped, blotched, tinted, etc., in the loveliest manner. *HHP.* bulbs. 2 to 4 ft. *Per Pkt.*

Gladioli, Finest Hybrids, Mixed.

Includes many sorts. 10

— Lemoinei Hybrids, Mixed.

Comparatively new types with large, round, open bell-shaped flowers of striking new colors.. 15

GERANIUM.

Gorgeous flowers of hundreds of shades of color, borne continuously, render this the most popular plant grown, either for pot culture in winter, or for bedding out in summer. *HHP.* 12 to 18 inches high. (*See cut.*)

Zonale, or "Horseshoe" Varieties. *Per Pkt.*

Geranium, Single Mixed, including many varieties. 10

— **Large Flowering, Single Mixed**, from new varieties... 25

— **General Grant.** Vivid scarlet; best scarlet for massing. 10

— **Double Mixed.** Includes many varieties. 25

Ornamental Leaved Varieties.

Geranium, Gold and Bronze Leaved. Mixed varieties. 25

— **Silver Leaved.** Mixed varieties. 25

— **Ivy Leaved.**

Mixed trailing; fine for baskets, etc. 25

— **Apple Scented.** Foliage emits a delicious perfume. 25

Lady Washington Geranium (Pelargonium).

Grand plants for pot culture; colors are rich in the extreme.

Pelargonium, Finest Mixed. 50

EUCHARIDIUM

ESCHSCHOLTZIA.

Called California Poppies; showy summer flowering plants; large saucer-shaped flowers of striking brilliancy in the sunlight. *HA.* 1 ft.

Single Varieties. *Per Pkt.*

Eschscholtzia Californica. Sulphur yellow with orange centre. 5

— **Rose Cardinal.** Beautiful rose color. (*See cut.*)..... 5

— **Mandarin.** Large flowers of a bright scarlet; inner side rich orange..... 5

— **Finest Mixed.** Includes many fine single sorts. 5

Double Varieties. (*See cut.*)

— **Double White.** 10

— **Double Yellow.** 10

— **Double Mixed.** 10

ESCHSCHOLTZIA, DOUBLE.

EUCHARIDIUM. *Per Pkt.*

Eucharidium Breweri. Showy, dwarf spreading, summer flowering plants, for massing; producing freely large flowers of purplish rose shading to white at the centre. *HA.* 1 ft. 15

GAILLARDIA.

Exceedingly showy; produces large flowers of scarlet, white and yellow, borne freely throughout the summer. *HHA.* 1 to 2 ft.

Gaillardia, Mixed Single Varieties. Includes many sorts. 5

— **Lorenziana.** Large round heads, composed of 30 to 50 flowers of orange, claret, amaranth, sulphur, etc. (*See cut.*)..... 10

— **New Varieties.** (*See Novelties.*)

GILIA.

Handsome low growing, profuse blooming annuals for massing in flower beds; flowers borne in clusters.

Gilia, Mixed. Includes red, pink, white, violet, lilac, etc. *HA.* 6 to 12 inches. 5

GERANIUMS.

I sowed some of your new varieties of Eschscholtzias in the open ground last fall; they came up vigorous and strong. Such beautiful Eschscholtzias were never seen around here before. Many flowers measured over two inches across.—J. Q. A. CURTIS, Wilkesbarre, Pa., September 23d, 1888.

GLOBE AMARANTH NANA COMPACTA.

GOURDS.

Summer climbers of exceedingly rapid growth and luxuriant foliage, bearing ornamental and curious fruits known as "Ornamental Gourds" T.A. 10 to 30 ft. Per Pkt.

Gourd Chinese Loofa. A rapid growing variety with luxuriant foliage, rendering it very attractive for covering trellis, arbors, etc.; large yellow flowers followed with long green fruits, which, when ripe, form inside a tough fibrous mass, and, when the seeds and shell are removed, is very popular where known for bathing, being just harsh enough to be pleasant and is said to be much superior to a sponge and more durable; these dried fibrous interiors are now an article of commerce. (See cut.).....10

Bottle-shaped.. 5	Dipper-shaped.. 5
Sugar Trough.. 5	Orange..... 5
Striped Flat.. 5	White, Egg-shaped.. 5
Gooseberry..... 5	
Pear-shaped, white and green..... 5	
Hercules' Club. Green fruits, 2 to 5 feet long..... 5	
Serpent Gourd. Carmine fruits, 3 to 6 feet long..... 5	
Sponge or Dish Rag. The inside of the fruit is used for scouring..... 5	
Mixed, Small varieties..... 5	
Mixed, Large varieties..... 5	

Imported collection of 12 separate sorts. 50

GLOXINIA.

Godetia.

Handsome summer flowering plants of compact growth, bearing freely large flowers of exquisite colors and shades. H.A. 1 ft. (See cut.) Per Pkt.

Godetia Lady Albemarle. Flowers 3 inches across; crimson and carmine, delicately suffused with lilac. (See cut.)... 5

— **The Bride.** White, with crimson centre..... 5

— **Duchess of Albany.** Satiny white flowers, 4 inches across..... 5

— **Bijou.** Only 6 inches high, milk white with crimson spots..... 5

— **Finest Mixed.** Includes many sorts.. 5

(For new sorts, see Novelties.)

GODETIA, LADY ALBEMARLE.

HELICHRYSUM.

Showy summer blooming plants; flowers large, full and double; in shades of white, yellow, crimson, etc.; they are also valuable as "Everlastings" for winter bouquets. H.A. (See cut.) Per Pkt.

Helichrysum Large Flowering, Double Mixed. (Monstrosium.) 2 ft..... 5

— **Small Flowering, Double Mixed.** (M. Nanum.) 1 ft... 5

— **Fireball.** Large, dark red, double flowers..... 5

Imported collection of 10 separate sorts, 50 cts.

HONESTY.

The "Moonwort." Summer blooming plants for borders. Their flat, oval seed vessels are transparent and silvery, and are extremely pretty in winter bouquets. H.B. Purple. 2 ft.... 5

HELIPTERUM.

Helipterum Sanfordi. Pretty annual, producing large clusters of rich yellow flowers; a fine "Everlasting" for winter bouquets. T.A. 3/4 ft..... 5

HELICHRYSUM.

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GOURD, CHINESE LOOFA.

GLOBE AMARANTH.

"Bachelor's Buttons"; ornamental summer-blooming plants and fine for "Everlastings." H.A. 2 feet. Per Pkt.

Globe Amaranth, White...... 5

— **Mixed.**..... 5

— **Purple.**..... 5

— **Striped.**..... 5

— **Nana Compacta, Red.** Pyramid plants, only a few inches high, one mass of little violet-red flowers; pretty for edgings or pots. (See cut.)..... 5

— **Nana Compacta, White.** Exactly similar to the above, excepting in color... 5

GLOXINIA.

Plants of great beauty for conservatory or green-house; flowers 2 to 3 inches long, tinted, mottled and marked with delicate and rich colors. T.P. bulbs. 1 ft. Per Pkt.

Gloxinia, Large Flowering Mixed. Choice varieties..... 50

Hollyhock.

One of our grandest autumn flowering plants; long spikes of double flowers, 3 to 4 inches across. *HB.* 5 to 8 ft. (*See cut.*) The seed we offer has been saved from our unrivaled collection of choicest improved double varieties, as represented on the front cover of this catalogue.

Per Pkt.

Double White	15	Double Salmon	15
— Pink	15	— Canary Yellow	15
— Blush	15	— Maroon	15
— Crimson	15	— White, Violet Centre	15
— Faust. Black flowers edged with white	15		
— Fine Mixed. Includes many colors	10		
— Extra Choice Mixed. From Chaters unrivaled collection	15		
— Crimson Pyramid. It grows only 12 to 18 inches high, and produces glowing crimson semi-double flowers from June to September. <i>HB.</i> 18 inches. 50			

Imported collection of 12 separate sorts, \$1.25.

Imported collection of 6 separate sorts, 75 cts.

HELIOTROPE.

Deliciously fragrant flowering plants; great favorites for pot culture in the winter or bedding out in summer; large umbels of purple, lilac or white flowers are continuously borne.

Heliotrope Finest Mixed. *TP.* 1½ ft. 10

HIBISCUS.

Large growing plants, bearing showy flowers 2 to 4 inches across; highly ornamental for borders.

Hibiscus Africanus. Cream yellow, purple centre with brown eye. *HA.* 2 ft. 5

— **Coccineus.** Bright scarlet. *HHP.* 4 ft. 15

— **Californicus.** Large pure white cup-shaped flowers, with deep carmine centre. It is a perennial, grows 4 to 6 feet high and hardy south of Washington. *HP.* (*See cut on page 118*) 15

HUMEA.

Per Pkt.

Humea Elegans. A very ornamental plant for pot culture, or sub-tropical effects on the lawn. Flowers borne in immense numbers on long drooping branches. Color, ruby red, pink and crimson. *HHB.* 5 to 6 ft. 10

HUMULUS.

Humulus Japonicus. (Japan Hop.) Probably the most rapid climber grown. The foliage is luxuriant, and it is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it. *HA.* 20 to 30 ft. 15

HYACINTHUS.

Hyacinthus Candicans. (Cape Hyacinth.) A most beautiful autumn blooming plant for flower beds or lawn decoration. The flowers are fragrant, 1 to 2 inches across, are creamy white, and borne on spikes 4 to 5 ft. long, giving it the appearance of a monstrous Hyacinth. *HHP.* 4 to 6 ft. 10

Ipomœa.

Rapid growing Summer climbers—among our prettiest for covering trellises, pillars, etc. Large beautiful flowers. *HA.* 15 to 30 ft. (*See cut.*) Per Pkt.

HOLLYHOCK.

- Ipomœa Grandiflora.** The Moon Flower, "Evening Glory" or "Good Night." Large pure white fragrant flowers in great profusion, opening in the evening; rapid and luxuriant summer climber. 10
- **Burridgi.** Rose and crimson 5
- **Coccinea.** (Star Ipomœa.) Small scarlet flowers. 5
- **Marmorata.** Foliage beautifully striped and variegated, flowers of various colors. 10
- **Hookeri.** White, lake red and blue. 10
- **Limbata.** Violet, margined white, rose throat. 10
- **Leari.** ("Blue Dawn Flower.") Intensely bright blue. Splendid. 25
- **Large Flowering Mixed.** Many beautiful sorts. 10

Imported collection of 10 separate sorts, 75 cts.

The Hollyhock Seed my husband procured from you when in New York last fall has produced some exquisite colors, and nearly all are as double as double can be. —Mrs. C. K. VEITCH, Orange, N. J., July 19th, 1888.

IPOMŒA GRANDIFLORA (MOON FLOWER).

LARKSPUR.

Popular flowers for garden and border decoration in summer, bearing long spikes of flowers of many charming colors. *HA.* (See cut.)

Double Dwarf Rocket Varieties. 1 ft. high.				Per Pkt.
Larkspur. White.....	5	Larkspur. Chamois Yellow.....	5	
— Apple Blossom Pink.....	5	— Azure Blue.....	5	
— Violet.....	5	— Striped.....	5	
— Mixed Dwarf Rocket Varieties, includes many varieties.....				5

Various Double Varieties.

Larkspur. Tall Rocket, Double Mixed, includes many colors. 2½ ft.....	5
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- Emperor Varieties Mixed. Bearing about 100 close, erect spikes of flowers. 1½ ft... 5
- Rosy Scarlet. (*See Novelties.*)
- Lustrous Carmine. Brilliant, fiery carmine. 2 ft..... 10
- Henderson's Giant. A much improved type, the flowers being larger than the old varieties, and the colors very beautiful. Mixed colors..... 15
- Imported collection 12 separate sorts Dwarf Rocket, 50c.
- “ “ “ “ “ “ 30c.
- “ “ “ “ “ “ 30c.
- (For perennial sorts, see Delphiniums.)

LEPTOSIPHON.

Handsome dwarf annuals for masses and edgings, making charming sheets of color. *HA.* 8 in.

Leptosiphon, Finest Mixed. Yellow, white, rose, etc.....	5
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LINUM.

“Flowering Flax;” exceedingly free flowering, making showy masses of color in beds.

Per Pkt.

- Linum Coccineum. (Rubrum.) “Scarlet Flax.” *HA.* 1 ft.... 5
- Flavum. “Golden Flax,” yellow. *HP.* 1 ft..... 10

LOBELIA, HARDY.

LYCHNIS HAAGEANA.

LARKSPUR,
“HENDERSON'S GIANT.”

LOBELIA COMPACTA.

Lobelia.

Plants of widely different styles of growth. *Lobelia Erinus* varieties are low growing, branching plants, for hanging over vases and baskets. *Lobelia Erinus Compacta* varieties make little round, compact plants; fine for edgings, ribbon beds, etc. The hardy *Lobelias* are tall growing, with showy, rich flowers, for permanent beds and borders.

Erinus Varieties for Baskets, Vases, etc.

6 to 9 in. Per Pkt.	
Lobelia Erinus Alba. Pure white.....	5
— Speciosa. Bright blue.....	5
— Gracilis. Light blue; long, slender, trailing stems... 5	
— Paxtoniana. Snow white, edged with blue.....	5
— Mixed. Contains many sorts.....	5
— Duplex. A double flowering variety, blue.....	10

Compacta Varieties for Edgings, etc.

4 to 6 in. (<i>See cut.</i>)	
Lobelia Compacta, White Gem. A new, beautiful white sort. 10	
— Prima Donna. New, dark wine color.....	10
— Pearl. Pure white, with blue edge.....	10
— Crystal Palace. Dark blue, fine for bedding.....	10
— Mixed Varieties.....	10

Hardy Varieties. (*See cut.*)

- Lobelia Cardinalis. “Cardinal Flower;” spikes 8 in. long, of intense scarlet. 4 ft. 10
- Mixed Hardy Hybrids. Contains many beautiful varieties. 2 to 4 ft..... 25

LYCHNIS.

Showy flowering plants for shrubberies and flower beds; colors strikingly brilliant.

Hardy Perennial Varieties.

- Lychnis Chalcedonica. Dazzling scarlet. 1 to 3 ft..... 5
- Fulgens. Brilliant vermilion, large and handsome. 1 ft..... 10

Annual Varieties (if sown early). (*See cut.*)

- Lychnis Haageana. Brilliant scarlet flowers, 2 inches across; 1 ft..... 10
- Mixed Haageana Hybrids. Shades of white, scarlet, flesh, pink, etc. 1 ft... 10

LUPINUS.

Large showy plants for beds and borders; long spikes of pea-shaped flowers of numerous shades and markings of blue, white, yellow, pink, violet, etc.

- Lupinus, Mixed Annual Varieties. 1 to 3 ft..... 5
- Mixed Perennial Varieties. Hardy sorts..... 5

MARIGOLD, "EL DORADO."

Marvel of Peru.

"Four O'Clocks"; beautiful summer blooming plants; large flowers of white, yellow, crimson, striped, etc. HA. 2 ft. Per Pkt.

Marvel of Peru, Finest Mixed Colors. 5

Variegated Foliage, Mixed. Foliage striped and marked. 5

MAURANDIA.

Delicate climbers for window or conservatories, or for open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. TA. 6 to 10 ft.

Maurandia Hendersoni. (Lophospermum.)

Rosy violet, spotted and striped white .. 10
 — White 10 | Maurandia, Rose..... 10
 — Mixed 10 | — Rich Violet..... 10

MINA.

Mina Lobata. Rapid and luxuriant summer climber. Flowers 15 to 25 in number, borne on graceful spikes. Color, bright red, changing to orange and cream. TA. 13 ft. 25

Mimulus,

"Monkey Flowers."

Tigrinus, or Spotted Varieties.

The coloring and markings are rich in the extreme, ranging through velvety crimson, maroon, yellow, white and pink, spotted and blotched in a beautiful manner; they are charming pot plants; also, do nicely if bedded out in the summer. Per Pkt.

Mimulus, Henderson's New Mammoth.

A magnificent strain; unequalled for beautiful colors and enormous size; mixed colors. (See cut.) 25

— Fine Mixed Varieties. Spotted and blotched. 10

— Duplex Mixed. Novel and beautiful; the flowers are borne in pairs, one protruding from the other. 15

Musk Scented Varieties.

Mimulus Moschatus. (Musk Plant.) Foliage emits a powerful musky perfume; flowers yellow .. 10

— New Musk Scented. Larger growing; yellow flowers, spotted with crimson 15

Hardy Varieties.

Upright, showy and profuse bloomers, for borders.

Mimulus Cardinalis. Large scarlet flowers. 1 to 3 ft. 10

Mixed Hardy Varieties. Contains several colors. 1 to 3 ft. 10

Marigold.

Showy summer blooming favorites; very effective for distant groups and masses.

HHH.

Marigold, Double African Mixed. Flowers of orange and yellow shades; 2 ft. 5

— El Dorado. Immense flowers measuring from 10 to 14 inches around; exceedingly double and beautifully quilled; primrose, lemon, orange and golden yellow shades; 3 ft. (See cut.) 10

— Fistulosa Lutea. Little, finely quilled, lemon yellow flowers; 1 ft. 10

— Double French Mixed. Dwarf and compact; yellow, velvety brown and crimsons, beautifully striped; 1 ft. 5

— Gold Striped Dwarf. Rich velvety maroon, striped with gold; 1 ft. (See cut.) 10

— Nana Faviflora Brunea. Orange and ruby maroon; 1 ft. 10

— Gold Nugget and French Pygmy. (See Novelties.)

Imported collection of French, 6 separate colors. 30

Imported collection of African, 6 separate colors. 30

Mignonette.

A deliciously fragrant plant. Is probably the most popular annual grown. (See cut.)

Mignonette, Large Flowering. The common Sweet Mignonette; per oz., 15c. 5

Bird's Mammoth.

Largest variety grown; under proper cultivation, the spikes average 12 to 15 ins. long, are very full and exceedingly fragrant. 15

Giant Pyramidal.

Flowers reddish, sweet scented and very large. 10

Miles' Hybrid Spiral.

Flowers white, very fragrant; spikes 8 to 12 ins. long; plant dwarf and branching. 10

Machet. A dwarf

French variety, with broad spikes of very fragrant red flowers; one of the best varieties. 10

Golden Queen. Golden

yellow flowers; dense dwarf growth; fine and profuse flowering. 10

Parson's White.

Nearly white; strongly scented; long well formed spikes. 10

Large White Upright.

Foliage grayish green; flowers white, on long slender spikes; 2 to 3 ft. 10

MARIGOLD, DWARF FRENCH, GOLD STRIPED.

MIMULUS, "NEW MAMMOTH."

MIGNONETTE, HYBRID SPIRAL.

MUSA.

MUSA.

Musa Enseta. (Abyssinian Banana Tree.) Magnificent for green-house and for sub-tropical massing, or as single specimens on the lawn they are strikingly effective. Seeds sown early will produce large plants the first season. *TP.* 6 to 20 ft. Per pkt. of 5 seeds, 25 cts. (See cut.)

MUKIA.

Mukia Scabrella. An elegant little climber with yellow flowers, followed by oval fruits 2½ inches in diameter, changing from green to orange and scarlet when ripe. *HHA.* 10 ft. 10

Nasturtium.

Tall or Climbing Varieties.

Beautiful and luxuriant climbers, for trellises and arbors, of easiest culture, bearing their gorgeous flowers in profusion, until killed by frost. (See cut.)

Per Pkt.

Per Pkt.

Tall Rose.....	5	Tall Lemon Yellow.....	5
— Orange.....	5	— Chocolate.....	5
— King Theodore.		— Scarlet flamed	
Maroon.....	5	purple.....	5
— Yellow, spotted		— Scarlet.....	5
crimson.....	5	— Straw. Striped	
— Purple.....	5	scarlet.....	5
— Crimson.....	5	— Pearl. White..	10
— Mixed. Contains many beautiful sorts...	5		

Imported collection of 12 climbing varieties, 50 cents.

LOBB'S NASTURTiums.

Tropæolum Lobbianum. These are distinguished from the Tall Nasturtiums above (*Tropæolum Majus*) by their longer vines; their leaves and flowers, however, are somewhat smaller, but their greater profusion renders them superior for trellises, arbors, for hanging over vases, rock-work, etc.: the flowers are of unusual brilliancy and richness, and they are also splendid for winter decoration in the green-house and conservatory. *HHA.* 4 to 6 ft.

Brilliant, rich scarlet.....	10	Roi des Noirs, black.....	10
Spitfire, fiery red.....	10	Napoleon, yellow, striped rosy scarlet.....	10
Triomphe de Gand, orange-scarlet.....	10	Geant des Batailles, carmine.....	10
Finest Mixed Sorts.....	10		

Myosotis.

Per Pkt.

The popular "Forget-me-nots." Bushy plants, bearing clusters of lovely small flowers. *HP.* 6 to 12 inches high.

Dwarf Alpine Forget-me-nots.

Compact varieties, 4 to 6 inches high; flowering profusely.

Myosotis, Alpine Blue.....	10	Myosotis, Alpine Rose.....	15
— Mixed.....	10	— White.....	10

Various Sorts.

Myosotis Alpestris, Blue. 1 ft.....	5	— Alpestris, White. 1 ft.....	5
— Palustris. Large flowering, dark blue. 1 ft.....	10		
— Dissitiflora. Large, sky-blue flowers; very early and free blooming. 6 to 12 inches ..	15		
— Semperflorens. (Ever-flowering.) Flowering from early spring to autumn. 6 inches.	15		
— Azorica. Flowers rich turquoise blue, without an eye; ½ an inch across; in dense clusters. Not as hardy as the others. 6 inches.....	15		
— New Victoria. Grows perfectly round in shape, 5 to 7 inches high and 16 to 18 inches in circumference, is perfectly covered with large umbels of flowers of azure blue, remaining in bloom a long time. (See cut.) Price, per packet, 15c.

MYOSOTIS, "VICTORIA."

LOBB'S NASTURTium.

Nasturtium.

Tom Thumb Varieties.

One of our showiest and most popular annuals. Compact plants, not over 1 ft. high, making gorgeous masses of color. (See cut.)

Scarlet.....	5
Rose.....	5
Yellow.....	5
Gem. Sulphur, spotted maroon.....	5
King of Tom Thumbs. Crim'n.....	5
Spotted.....	5
Ruby King. Ruby red.....	5
Pearl. White.....	5
Beauty. Striped yellow and red.....	5
King Theodore. D'k maroon.....	5
Empress of India. Brilliant crimson, dark foliage, very effective.....	10
Cloth of Gold. Golden yellow foliage, scarlet flowers.....	10
Lady Bird. Orange yellow, with red spots.....	10
Chameleon. Peculiarly marked with crimson, bronze and golden yellow.....	10
Mixed. Contains many beautiful sorts.....	5
Mixed New Varieties. (See page 58.).....	10
Imported collection of 12 Tom Thumb varieties, 50 cts.

NASTURTium, "TOM THUMB."

I sowed some of your seed of "Abyssinian Banana" a year ago last January, in the green-house. They made a beautiful display last season on my lawn, but this year they have grown to be over 15 feet high, and make the grandest group I ever saw, either in this country or Europe.—BENJAMIN TOWNSEND, Bay Ridge, L.I., Sep. 13, '88.

NIGELLA, DWARF DOUBLE.

NICOTIANA.

Nicotiana Affinis. Sweet scented pure white star-shaped flowers, 3 inches across, blooming continually in the green-house in winter or bedded out in summer. 2 to 3 ft. HHA. (See cut.) Per packet..... 10

NEMOPHILA.

Splendid for beds; bright-colored flowers, marked and spotted in shades of blue, white and violet. HA. 1 ft. Per Pkt. **Nemophila Finest Mixed.** Including many sorts..... 5

PERILLA.

Perilla Nankinensis. Black foliage plant much used in ribbon planting or massing. TA. 1½ ft.... 5
— **Laciniata.** Edges of the leaves are finely cut or fringed..... 5
— **Elatior.** (See Novelties.)

NIGELLA.

Pretty annuals, known as "Love in a Mist," "Devil in a Bush," etc.; feathery foliage, in which large charming flowers are set. HA. 1 to 2 feet high. (See cut.)

Per Pkt.

Nigella Damascena, Double Mixed. Blue and white..... 5
— **Dwarf Double White.** Very beautiful. 6 to 8 inches, 10
— **Blue.** Very beautiful. 6 to 8 inches..... 10

NICOTIANA AFFINIS.

OXALIS.

Pretty little half trailing plants, for hanging baskets, vases, rock work and edgings, flowering in profusion. 6 to 9 inches. HHA. Per Pkt.

Oxalis Rosea. Rose 10
— **Alba.** White 10
— **Mixed.** Annual sorts..... 10
— **Tropaeoloides.** Yellow, with brown foliage 10
— **Valdiviana.** Yellow; fragrant. 10

PLATYCODON.

Platycodon, Large Flowering White, or Wahlenbergia. The large flowered Chinese Bell Flower; showy hardy perennial for permanent beds or borders, bearing large, broad, bell-shaped white flowers. HP. 6 to 12 inches. (See cut.)..... 10

Petunia.

Few, if any, plants are more deservedly popular than these for bedding purposes, green-house or window culture, producing showy flowers in profusion.

Single Varieties.

Petunia Fine Mixed...... 5
Petunia Striped and Blotched. Finest Mixed..... 10
— **Dwarf Inimitable.** Dwarf plants, 6 to 8 inches high, flowers cherry red with a white centre; splendid for edgings, massing, etc..... 10

New Fancy Hybrid, or Large Flowering Section.

A magnificent large flowering strain with flowers twice the size of the old sorts, and one of the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed in the most exquisite manner.

Single Large Flowering Varieties.

Fringed, Mixed. Beautiful..... 25
Yellow Throated Mixed. Having deep, broad yellow throats with veins running up through the flower; strikingly handsome. 50
Mixed. All sorts; large flowering varieties; striped, blotched, veined, fringed, etc..... 25

HENDERSON'S NEW LARGE FLOWERING DOUBLE PETUNIAS. This strain we believe to be the finest in the world, and will produce a large percentage of *double*, having been hand fertilized by a new process, which is far superior to the usual method with a camel's hair brush. We estimate that this seed has cost us not less than \$200 per ounce, and will produce large double flowers of exquisite new colors, marked, blotched, striped, tinted and veined, many of which will be beautifully fringed. **Mixed Colors.** (See cut.).... 25
Large Flowering Double Fringed. Mixed. Per Pkt., 50
— **Green Edged.** Mixed..... 50
— **Dwarf Double Inimitable.** Grows only 6 to 8 in. high; small very double cherry and white flowers..... 50

Henderson's Butterfly Pansies.

A new and magnificent assortment of high colors and large size, that we offer in special colors or types described below. (See No. 1.)

Butterfly No. 1.—Rich claret and maroon, violet blotches and veins, yellow eye, whole flower margined white.

Butterfly No. 2.—Royal purple, shading to light violet and maroon, bordered with clear silvery white. Beautiful and novel.

Butterfly No. 3.—An indescribable combination of crimson, claret, maroon and gold, lower petals blotched with purple.

Butterfly No. 4.—Creamy yellow shading to porcelain and deep blue, margined violet. Purple blotches fringed yellow.

Butterfly No. 5.—Reddish ground with large dark blotches.

Butterfly No. 6.—Old gold, shading to creamy yellow, centre rich brown with radiating veins, purplish pink margin.

Please order by number. Price for any of the above, 20 cts. per packet; or the whole collection of **Henderson's Butterfly Pansy** (6 packets) for \$1.00.

Pansies.

THESE charming and universal favorites are now much improved in size, shape and color by Scotch, French and German specialists, and we have arrangements with them to test all of their novelties and improved strains, from which we have again selected. One can scarcely realize that the modest little Pansy of a few years back could assume such grand proportions and such gaudy colors as the new sorts now offered. (See cut.)

Henderson's Highland Pansy.

Especially grown for us by the originator, who is one of the most celebrated Pansy specialists in Scotland, a country whose climatic conditions are conducive to the best development of the plant. The merit of **Henderson's Highland Pansy** consist in its *uniformity*, all the flowers being of the *largest size*, *high in color*, and of *unsurpassed beauty*. In our trials we were unable to find a poor or inferior flower. As it is offered only in mixed colors, we shall not attempt to describe the myriad forms and markings. **Mixed Colors** (see No. 2), 50 cts. per packet. *Per Pkt.*

Pansy, Henderson's Fancy Mixed (No. 3) 25

This strain originated with a celebrated Belgian specialist and we introduced it several years ago, and it has given the highest satisfaction throughout the country. They are, perhaps, not as large as the new "Highland" and "Butterfly" strains, but it is not surpassed for rich and varied colors.

Pansy, Premier Mixed. A beautiful French strain; flowers large, and the colors and markings are exceedingly beautiful. 50

— **Giant (Trimardeau), Mixed.** For size no strain can equal this. 25

— **Odier or Five Blotched.** A beautiful strain, perfect in size and form of flower, containing many beautiful colors; each of the 5 petals is marked with a large dark blotch; very effective. 25

— **English Show, Mixed.** From one of the best collections in England. 50

— **German Finest Mixed**, including many colors (No. 4) ... 15

— **Good Mixed (No. 5)** 10

See special description of the new varieties in *Novelties*, page 62.

Pansies in Separate Colors.

Emperor William , dark blue. 10	Snow Queen , satiny white. 15
King of the Blacks , black. 10	Rex , deep velvety purple. 10
White Treasure , white (No. 6) 10	Striped 10
Beaconsfield , violet, shading to white. 10	Yellow 10
Delicata , porcelain blue, white centre. 10	Gold Margined 10
Fire Dragon , fiery orange, purple eye, bright bronze yellow edge. 10	Azure Blue 10
	Bronze 10
	Bronze Edged Rose 10
	Mahogany 10
	Rose Marbled 10

Imported Collection of German Pansies, 6 varieties, 50c.; 12 varieties, \$1.

PHLOX DRUMMONDI, LARGE FLOWERING.

PASSION FLOWER.

Handsome, rapid climbers, for green-house decoration and sunny positions in the open ground in summer. *Cœrulea* and *Incarinata* are sometimes hardy with us in a sheltered situation, and are entirely so further south. (See cut.)

Per Pkt.

- Passiflora Cœrulea.**
Large flowers of violet and light blue, slightly fragrant. 25
— **Incarinata.** White, flesh and purple, fragrant 25
— **Maliformis.** Large, sweet-scented flowers of blue, white and red. 25
— **Von Volxemi (Tacsonia).** Flowers large, rich scarlet. 25
— **Constance Elliott.** Pure ivory white, flowering profusely. (See cut) 25

PASSIFLORA, "CONSTANCE ELLIOTT."

Per Pkt.

PALM.

- For decorating green-house, lawn, piazzas, parlors, dinner tables, centres of vases, etc., nothing can rival their rich tropical effect.
Areca Rubra. Arching divided leaves, reddish green, pkt. of 5 seeds. 25
Chamærops Humilis. Large green, fan-shaped leaves. 25
Latania Borbonica. Large fan-shaped leaves, much divided 25
Oreodoxa Regia. Long, slender, fern-like, arching leaves; graceful. 25
Seaforthia Elegans. Long arching leaves. 25

POLYANTHUS.

- Early blooming dwarf plant for spring flower beds or pot culture; the large round flowers are borne on stalks about 8 inches tall. Colors, yellow, maroon, crimson, etc.; beautifully veined, laced or blotched. **HP.** 1 ft.
Polyanthus, Gold Lace Mixed. From choice Show Varieties 25
— **Fine Mixed Varieties.** 10
— **Duplex Mixed.** (Hose in Hose.) Very curious and pretty; one flower sitting in another 25

PHYSIANTHUS.

- Physianthus Albens.** A rapid growing climber, bearing immense quantities of pure white fragrant flowers which entice and entrap insects; hence it is called the Cruel Plant. **JHP.** 20 ft. 10

Phlox Drummondii.

Per Pkt.

For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large brilliant flowers of numberless hues throughout the summer. **HA.** 1½ ft. high.

Pure White	5	Dark Purple	5
Deep Scarlet	5	Blood Red	5
Bright Rose	5	Blood Red, Striped White	5
Pale Yellow	10	Purple, Striped White	5
White, Purple Eye			5
Mixed. Many colors (per oz., 50 cts.)			5
Star of Quedlinburg. (See Novelties.)		Double Phloxes. (See Novelties.)	

Large Flowering Section.

An improved strain with very large, perfectly round flowers, the petals overlapping each other. (See cut.)

Large Flowering, Pure White	10	Large Flowering, Blood Red	10
— Chamois Rose	10	— Red, Striped White	10
— Brilliant Scarlet	10	— Crimson, White Eye	10
— Mixed. Many colors (per oz., \$1.00)			10

Imported collection of 12 separate varieties, 75c.; 6 separate varieties, 50c.

New Dwarf Phlox.

Plants not over 8 inches high, and one mass of flowers; splendid for margins, low beds and pot culture.

Dwarf, White	10	Dwarf, Violet and Blue	15
— Scarlet	15	— Blood Red	10
— Red, Striped White	15	— Mixed. Many sorts	10
— Rose	15	— Delicata. (See Novelties.)	

Imported collection of 6 separate varieties, 50 cts.

Hardy Phlox.

Magnificent flowering plants for permanent beds and borders, bearing immense heads of large waxy flowers of lovely shades of color. **HP.** 2 ft.

- Hardy Phlox.** Fine mixed varieties. 10
— **New Large Flowering Hybrids.** Mixed. 25

PHYSIANTHUS ALBENS.

POPPY, JAPANESE POMPONE.

Double Carnation Flowered Poppies.

Magnificent class; flowers as round as a ball, very double, and with finely cut or fringed petals; the flowers remain a long time on the plants.

(See cut.)

Per Pkt.

Brilliant Scarlet	10
Rose	10
Silver Gray	10
Pure White	10
Scarlet and Yellow	10
White Tipped Crimson	10
Mixed. Contains many colors.	5

Imported collection of 8 separate varieties, 30 cts.

New Striped Japan Poppy.

"The Mikado." One of the most charming sorts. Our "cut" conveys a true idea of its quaint—yet artistic—beauty; the petals at the edges are cut and fringed; the color is most attractive and pretty, being pure white at the back, while the fringed edges are of a brilliant crimson scarlet. (See cut.)

POPPY, "THE MIKADO." Per Pkt.

Poppy, Double French or Ranunculus Flowered Mixed. (See cut.)	5
— Paeony Flowered Mixed	5

Imported collection of Double French Poppies in 6 separate varieties, 25 cts.

Portulaca.

Brilliant dwarf annuals, luxuriating in warm situations, and blooming profusely from early summer to autumn. HA. $\frac{1}{2}$ ft.

Single Varieties (Large Flowering).

Straw Striped Orange	5
Red Striped White	5
Pure White	5
Pink	5
Scarlet	5
Salmon	5
Purple	5
Yellow Striped Red	5
Single Mixed. (Per oz., 50 cts.)	5

Double Varieties (Large Flowering).

These make perfectly gorgeous masses of color, the flowers of double sorts, of course, remaining open all day.

Yellow Striped Crimson. 20	Scarlet	20
White	Sulphur	20
Rose Striped Carmine. 20	Rose	20
Large Flowering Mixed		15

Imported collection of 6 separate sorts, \$1.00.

DOUBLE FRENCH POPPY.

~Poppies.~

Exceedingly showy plants, making a gorgeous display. The seeds must always be sown where the plants are to remain, as they will not bear transplanting.

Single Annual Poppies.

Per Pkt.

Poppy, Danebrog. Large, bright scarlet, with a white cross in the centre	5
— Umbrosum Rich vermilion, with a black spot on each petal	5
— English Scarlet. The common field Poppy of Britain; light, dazzling scarlet	5
— Peacock Poppy. The flower has a conspicuous glossy black zone near the centre which brings out the vivid scarlet and cherry crimson; the flowers are nearly four inches across	10
— Single Mixed. Annual sorts	5
— Fire Dragon. (See Novelties.)	

JAPANESE DOUBLE POMPONE POPPIES.

These beautiful Poppies produce their small but very double flowers in remarkable profusion; they range through many lovely colors, which we offer in mixture. (See cut.)

15

Hardy Varieties.

For permanent beds, etc., these brilliant, large flowering hardy Poppies stand unrivaled; the flowers average from 3 to 5 inches across in the single varieties.

Poppy Bracteatum. Orange scarlet; large single flowers ..	10
— Orientale. (Single.) Dark scarlet with purple spots	10
— Henderson's New Double Hardy. We offer in mixture some beautiful perennial species from Siberia and the mountainous regions of northern Europe. They grow from 10 to 18 inches high; the flowers are double and of many beautiful colors, white, scarlet, yellow, orange, etc. Mixed Colors	25

POPPY, "THE MIKADO."

POPPY, SINGLE ANNUAL.

Primula.

The "Chinese Primrose" is a great favorite for winter blooming; the foliage is pretty and attractive, and the flowers, borne in clusters, are perfectly charming and borne all through the winter and spring. One of our best pot plants.

Single Large Flowering Fringed Varieties.

Hybridizing and selection have brought out this improved strain, the flowers of which measure from 1½ to 2 inches across, are perfectly round, the edges of the petals overlapping

each other and beautifully fringed. (See cut.)	Per Pkt.
White	50
Red	50
Striped. (See cut.)	50
Scarlet. Sulphur eye.	50
Carmine. Yellow eye.	50
Crimson. Spotted white.	50
Alba Magnifica. The finest pure white variety grown; flowers 2¼ inches across, with large yellow eye. (See cut.)	75
Mixed Large Flowering Fringed. Including many sorts.	50
Fern Leaved. Mixed colors; the foliage of this class is long and fern-like.	50
Fine Single Mixed Colors. Old type.	25

Double Large Flowering Fringed Varieties.

The flowers are not as large as the single sorts, but are remarkably double and handsome, and remain on the plant a long time.

Red	75
Striped	75
White	75
Cristata Nana. A dwarf growing semi-double variety, smaller snow white flowers, with yellow centre; very profuse.	50
Double Mixed Sorts. (See cut.)	75

Hardy Primroses.

Beautiful low growing early spring flowering plants, fine for rockeries, borders, etc.; the flowers are borne in umbels or clusters on the top of stalks about 4 to 6 inches long.

Primula Vulgaris. The old favorite common yellow Primrose of England. 10

— **Cortusoides.** (Siberian Primrose.) Deep rose, beautiful and free flowering. 10

Primula Macrocalyx. (Jack-in-the-Green.) A very novel variety; each flower sits in a cup of green leaves. 25

— **Japonica.** Mixed. (Japanese Primrose.) One of the most beautiful. The flowers are 1 inch across, of shades of crimson, maroon, lilac, pink, white, etc., borne on stems 1 to 2 feet high. *HP.* 15

(See also *Auricula*, *Cowslip* and *Polyanthus*.)

PYRETHRUM.

This family contains the well known "Golden Feather," a low growing plant, with yellow foliage, for ribbon beds, edgings, etc.; also, the *Pyrethrum*, from the flowers of which the "Persian," "Dalmatian" and "Buhach" insect powders are made; and it also contains some of the handsomest flowering hardy plants for borders that are in cultivation.

Yellow Foliage Sorts for Ribboning. Per Pkt.

Pyrethrum Aureum. Bright yellow foliage. 1 ft. (Per oz., \$1.00)	10
— Laciniatus. Yellow foliage, finely fringed. 1 ft.	10
— Selaginoides. Handsome fern-like foliage. ½ ft.	15

Varieties Grown for Insect Powders.

Pyrethrum Roseum. (Persian Insect Powder Plant.) When grown in California it is called "Buhach." Rose color. <i>HHP.</i> 1 to 2 ft. (Per oz., \$1.00)	10
— Cinerariafolium (Dalmatian Insect Powder Plant.) <i>HHP.</i> 1 to 2 ft. (Per oz., \$1.00)	10

Hardy Flowering Varieties.

Valuable for permanent beds, bearing large, bright colored flowers, of rose, flesh, pink, white, crimson, etc., which remain in bloom for a long time. <i>HHP.</i>	
Pyrethrum, Single Large Flowering Hybrids Mixed.	10
— Double Large Flowering Hybrids Mixed.	25

SALVIA.

One of our handsomest summer and autumn flowering plants, when they are literally ablaze with brilliant flowers; very effective for massing on the lawn or for ribbon beds. <i>HHP.</i> 3 ft.	
Salvia Patens. Richest bright blue.	25
— Splendens. (Scarlet Sage.) Fiery scarlet.	10
— Lactea. (See <i>Novelties</i> .)	

Enclosed find £1 10s., for which please send me the following Primula Seeds, viz.: . . . I don't know where you get your seed, but it produces finer varieties than any I have been able to get in England.—J. WEARING, Sussex, Eng., August 4th, 1888.

DOUBLE RED PRIMULA.

PRIMULA, ALBA MAGNIFICA.

STRIPED SINGLE PRIMULA.

RICINUS.

Known as "Castor Oil Plant" and "Palma Christa;" a rapid growing foliage plant with large palm-like leaves; much used for sub-tropical effects on the lawn, or for centres of beds of foliage plants. *HHA.*

Ricinus Borboniensis. 15 ft. Immense green foliage.	5
— Gibsonii. 6 ft. Dark purplish red foliage and stems.	5
— Obermanii. 8 ft. Light red foliage with red fruit.	5

— Communis. Green foliage. 6 ft.	5
— Finest Mixed.	5
— Cambogiensis. (See <i>Novelties</i> .)	

Imported collection of 8 separate sorts, 30 cts.

SALPIGLOSSIS.

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. *HHA.* 1½ ft.

Salpiglossis, Large Flowering Mixed. (See cut.)

Imported collection of 6 separate sorts, 50 cts.

SALPIGLOSSIS.

LARGE FLOWERING 10 WEEKS STOCKS.

branches, each of which bears a cluster of blossoms, and the oftener they are cut the better they seem to like it. It makes a splendid stock for cutting, and is quite fragrant; succeeds equally well when grown in pots. (See cut.) Per Packet, 25-cts.

Henderson's New Colossal Stocks.

This magnificent new strain, "Henderson's New Colossal Stocks," are, for garden culture, without a rival. The spikes of bloom are enormous, the individual flowers are monstrous in size and very double, the colors charming, and the fragrance delicious. One of the greatest merits of this strain is the unusually long period that they remain in flower—nearly twice as long as ordinary Ten Weeks Stock.

	Per Pkt.		Per Pkt.
El Dorado. Bright sulphur yellow...	20	Grand Rouge. Brilliant fiery crimson, 20	
Rosy Morn. Delicate rosy flesh....	20	Aurora. Shining copper red.....	20
Mount Blanc. Purest white.....	20	Blue Bells. Pretty shade of blue...	20
Collection of above six varieties for \$1.00.		Mixed Varieties	20

Intermediate, or Autumn Stock.

Sown in the spring, they will flower in autumn. If planted in conjunction with the Ten Weeks Stocks, the "time of the stocks" can be much lengthened. They are also the best for flowering in the house in winter or spring; for this purpose sow the seed in midsummer, and the plants grown in pots in cold frames until ready to be taken in.

White	15	Rose	15
Blood Red	15	Violet.....	15
Flesh Pink	15	Porcelain Blue.....	15
Mixed. Including many sorts.....	19		

Biennial Stock.

HENDERSON'S COLOSSAL STOCKS.

This class should be sown before July and protected during the winter, or better yet to be kept over in cold frames and planted out in the spring; they will then begin to flower in May and continue through the season.

	Per Pkt.
Brompton, Finest Mixed.	
Large flowering double.....	10
Emperor or Perpetual Mixed.	
Large flowering double, frequently lasts for several years if protected.....	10
Imported Collections of Stocks.	
Brompton, or Winter Flowering.	
In 12 separate colors.....	75
Dwarf German Ten Weeks. In 12 separate colors	75
Dwarf German Ten Weeks. In 6 separate colors.....	50
Dwarf Pyramidal. In 6 separate colors.....	50
Emperor. In 6 separate colors.....	50
Intermediate. In 6 separate colors.....	50

Ten Weeks Stocks.

The Ten Weeks Stock, "Stock Gilly" or "Gillyflower," as they are sometimes called, stands pre-eminent among annuals for either flower beds, pot culture, cut flowers, and delicious spicy perfume; they have been greatly improved in the past few years, and a large flowering strain has been originated which for size, doubleness and variety of exquisite shades of color is remarkable. (See cut.)

LARGE FLOWERING DOUBLE DWARF.

	Per Pkt.		Per Pkt.
Pure White.....	10	Bright Rose	10
Canary Yellow.....	10	Violet.....	10
Blood Red.....	10	Flesh.....	10
Sky Blue.....	10	Carmine Rose.....	10
Mahogany.....	10	Copper Red.....	10
Mixed. Large Flowering. Many colors.....	10		
Wall Flower Leaved Mixed.....	15		
Pyramidal, Mixed. A beautiful sort, cone-shaped habit.....	15		
Very Dwarf Snowflake. A beautiful small-growing variety, with vigorous main spike and numerous side shoots of very large double snow-white flowers; very early.....	15		
Fine Mixed. 10 weeks stock (not large flowering).....	5		

"Cut and Come Again" Stock.

This is a variety of the German Ten Weeks Stock, growing about two feet high in the open ground, and if sown early, will produce from spring to late in the fall

STOCK, HENDERSON'S "CUT AND COME AGAIN."

"I have tried your 'Cut and Come Again' Stock, and find the variety very fine."—Mrs. T. B. SHEPHERD, San Buena Ventura, Cal., Sept. 5th, 1888.

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BY PETER HENDERSON & CO.
NEW-YORK.

SWEET PEAS.

Sweet Peas.

No praise is needed for these lovely, deliciously perfumed climbers further than to state that they have become unusually popular in the last year or two, our sales having more than tripled the past season, which is, no doubt, owing to the charming new large flowering varieties that have been introduced lately. They are now "the fashionable flower," and little bunches of them worn, carried or in vases are seen continually. *HA.* climbers; 4 to 6 ft. (See cut.)

	Per Pkt.		Per Pkt.
Scarlet Invincible. Brilliant scarlet.	5	Indigo King. Rich indigo blue.	10
Adonis. Carmine rose.	5	White.	5
Butterfly. White laced; blue.	5	Black Purple.	5
Crown Princess. Blush.	5	Red. Striped.	5
Princess Beatrice. New; rose.	5	Vesuvius. Violet and rose; spotted.	10
Painted Lady. Rose and white.	5	Fairy Queen.	5
		Invincible Carmine. Glowing carmine.	10
Queen of the Isles. Rosy purple and scarlet flushed white.	10		
Mixed. All colors. Per lb., 75 cts.; per oz., 15 cts.	5		
Eckford's New Sweet Peas. (See Novelties.)			

Imported collection of 12 separate varieties, 50c.

Imported collection of 6 separate varieties, 25c.

Scabiosa.

The "Mourning Bride" or "Sweet Scabious" of our old gardens, but much improved in size, colors and doubleness. They are very free bloomers, the colors white, carmine, lilac, maroon, etc., excellent for bouquets.

Per Pkt.

Scabiosa Nana fl. pl. Mixed Dwarf Double. 1 ft.	5
— Maxima Plena Mixed. New, large flowering, tall double sorts.	5
Imported collection of 6 separate sorts, 30c.	

SUNFLOWER.

Stately growing plants, with immense golden yellow flowers; the single varieties are well known, but the double sorts are not; they are perfectly magnificent.

Single Varieties.

Sunflower Macrophyllus Giganteus. A branching pyramidal-shaped plant; yellow; 6 ft.	5
— Miniature Sunflower. Of dwarf branching habit, bearing many little flowers only 2 inches across; orange, with black centre; 3 ft.	5
— "Oscar Wilde." Flowers orange and black, only 3 to 6 inches across.	5
— Silver Leaved. Downy, silvery foliage; flowers yellow and black.	5
— Giant Russian. Flowers 18 to 20 inches across; grown principally for the seeds, of which it is very prolific.	5

Double Sorts.

Sunflower Californicus fl. pl. Large double orange flowers; 5 ft.	5
— Globosus Fistulosus. Perfectly round flowers; very double; saffron; 6 ft.	5
— Oculatus Viridis. Double yellow flowers, with green centre. 4 ft.	5
— Peruvianus. Double orange flowers, striped with black.	10
— Silver and Gold. New Double Flowering. A magnificent variety, growing about 5 ft. high, branching freely from the ground, the tips of each branch bearing very double golden flowers about 4 inches across. The foliage is covered with a silver down. Very effective. (See cut.)	25

TORENIA.

Beautiful plants for vases, baskets, etc.; they bloom continually during the summer in the open ground, and also in the winter in the green-house.

Torenia Fournieri. Porcelain blue and rich violet; throat bright yellow. 6 ins.	15
— Bailloni. Deep yellow and maroon.	15
New Torenia, "White Wings." This lovely variety is unusually attractive, being pure white, with a slight flush of rose at the throat.	25

SUNFLOWER, "SILVER AND GOLD."

Sweet William.

Hardy plants of extreme richness and variety of color, and also deliciously sweet scented; for clumps or borders no plant can surpass this old favorite, which is greatly improved now, both in size and colors.

Single Varieties.

Sweet William, Scarlet. Fine.	5
— Mixed.	5
— Pure White.	5
— Velvety Red.	5
— Maroon.	5
— Henderson's Perfection Mixed. Large flowering. Extra choice strain.	15

Imported collection of 12 separate sorts. 75 cts.

Double Sorts.

Sweet William, Double White.	15
— Crimson.	15
— Mixed.	10
— Henderson's Perfection Mixed. Double Large Flowering. Extra choice.	25

TORENIA, "WHITE WINGS."

I have grown about 300 plants of your New White Torenia in pots, and they sell well in the Washington flower markets. It is decidedly novel and a good thing.—W. S. CLARK, Florist, Washington, D. C., Sept. 22d, 1888.

THUNBERGIA.

Slender rapid growing climbers, for trailing over trellises, fences, etc., with large beautiful flowers borne in profusion. *HHA.* 4 ft.

<i>Alata.</i> Buff; white eye.....	5	<i>Aurantiaca.</i> Orange; dark eye.....	5
<i>Bakerii.</i> Pure white; no eye.....	5	<i>Mixed.</i> All sorts.....	5
<i>Alba.</i> White; black eye.....	5		

VISCARIA.

Handsome annuals, making a splendid show when massed; large, round, single flowers of white, scarlet, blue, flesh, margined and marked with various colors. (*See cut.*)

<i>Viscaria, Finest Mixed Colors.</i> <i>HA.</i> 1 ft.....	5
— <i>New Dwarf Large Flowering Mixed.</i> Splendid.....	15

Verbena.

Gorgeous for beds or massing, flowers of the most brilliant colors; flowering continually from spring until late in the autumn. Verbenas grown from seed are always thrifty and free bloomers. *HHP* (but flowering the first year from seed); 1 ft.

<i>Hybrida, Pure White.</i>	15	<i>Hybrida, Finest Mixed Varieties, from P.</i>	
— <i>Striped Varieties.</i>	15	— <i>Henderson's collection.</i>	15
— <i>Bright Scarlet.</i>	15	<i>New Mammoth, Mixed.</i> (<i>See Novelties.</i>).....	25
— <i>Blue Varieties.</i>	15	<i>Fine Mixed</i>	10
— <i>Yellow Foliage, scarlet flowers.</i> 25

VISCARIA.

WALLFLOWER.

Prized for their exquisitely fragrant long spikes of single or double flowers. Hybridizers have brought out many improved sorts both in size of flower and brilliant colors, of which the following are the best.

Single Large Flowering Varieties.

<i>Blood Red.</i>	10
<i>Golden Yellow.</i>	10
<i>Rich Purple.</i>	10
<i>Brown and Bronze.</i>	10
<i>Finest Mixed, including many sorts,</i> 5	

Double Large Flowering Varieties.

<i>Canary Yellow.</i>	15
<i>Purple.</i>	15
<i>Dark Brown.</i>	15
<i>Striped.</i>	15
<i>Mixed</i>	10

Imported collection of 6 separate sorts, 50c.

VERBENA.

VIOLET.

The "Sweet English Violet," a favorite little plant, prized for its long continued bloom and its delicate odor. *HP.* ½ ft.

Odorata Semperflorens Varieties.

(Single ever-flowering.) *Per Pkt.*

<i>Light Blue.</i>	10
<i>Purple.</i>	10
<i>White.</i>	10
<i>Mixed.</i>	10

VIOLET.

Large Flowering.
New hybrids, between the Pansy and Violet, partaking of the beautiful colors of the former and the fragrance of the latter. *HP.* ½ ft.

— **Mixed Colors.**..25

Water Lilies.

The gorgeous tropical water lilies displayed in our public park ponds and fountain basins have proved how easily they can be grown, and have created such a demand, that we have procured in Europe seeds of the finer sorts, which can be easily grown as follows:

Plant them in pots of earth kept saturated with water, and placed in a warm situation. As soon as the plants are large enough they can be planted in tubs of earth, and placed in the pond or fountain basin, where they will grow and flower luxuriantly. In the fall dry off and remove the tub under the green-house bench or warm cellar, and keep moist until spring.

Hardy Varieties (if in water below frost line).

<i>Nymphaea Alba.</i> Our native white lily.....	25	<i>Nelumbium Luteum.</i> Fragrant yellow....	25
<i>Nuphar Lutea.</i> Native yellow lily.....	15	— <i>Speciosum.</i> Rose color.....	25

The leaves and flowers of the *Nelumbiums* grow high above the water.

Victoria Regia. The "Giant Water Lily of the Amazon," grandest of all aquatic plants; flowers deliciously fragrant, 12 to 16 inches across. Pure white, changing to rose; leaves 6 feet across 50
Even the most tender of the above can be grown in open ponds in our Southern States.

<i>Nymphaea Zanzibariensis.</i> (The Royal Purple Water Lily.) The finest of all blue water lilies; very fragrant. 12 inches across ..	50	<i>Nymphaea Lotus</i> ("Egyptian Lotus"). Large white flowers, suffused with red.....	50
<i>Nymphaea Dentata.</i> Large white star shaped flowers, profuse flowering, very fragrant. 25		<i>Nymphaea Amazonum.</i> Sulphur white, yellowish green and purple. 3 to 4 inches across, and very fragrant.....	50

VINCA.

Handsome bushy plants, producing freely round single flowers, 1½ inches across, suitable for pot culture and sunny flower beds. *TP.* 1½ ft.

<i>Vinca Rosea.</i> Rose, crimson eye.....	10	<i>Vinca Alba.</i> White, crimson eye.....	10
— <i>Mixed Colors.</i>	10	— <i>Pura.</i> Pure white, no eye.....	10

WATER LILY (NELUMBUM).

HENDERSONS ZEBRA ZINNIAS

WERE named and introduced by us. The flowers, both striped and self-colored, present all colors and shades known in the Zinnia, such as orange, crimson, pink, yellow, violet, rose, scarlet, white, etc. An interesting

characteristic of the ZEBRA ZINNIA is a tendency shown by some of the plants to throw out a branch on which the flowers are self-colored, while all the other blooms are variegated or striped, making a striking and unique contrast. The flowers of this selection are perfect in shape, and as evenly imbricated as a Camellia. The plant is also a great improvement over the large straggling Zinnia known to most people, growing not over 18 inches to 2 feet high, and of symmetrical and compact habit. (See cut.) Price, mixed colors, 15 cts. per packet.

New Double Tom Thumb Zinnias.

They form charming compact free flowering pigmy bushes, not over 12 inches high by about 14 inches in diameter, flowers large, double, borne in profusion, lasting until killed by frost. Splendid.

Zinnias. Tom Thumb, Double White.....	25
Zinnias. Tom Thumb, Double Mixed.....	25

Zinnias.

For gorgeous summer and autumn display there is nothing that can equal in effectiveness the improved dwarf, compact growing, large flowering Zinnias; growing only 2 feet high, and bearing flowers of immense size, perfectly double, showing no centre, and as perfect in form as Dahlias.

Large Flowering, Dwarf Growing.

Double White..... 10	Double Scarlet..... 10
Orange..... 10	Canary Yellow.. 10
Large Flowering Dwarf Mixed.....	10

Imported collection of 6 separate varieties, 50c.

Various Types.

Double Mixed. Old type, tall.....	5
Double Pompon. Small, compact, long cone-shaped flowers; very pretty.....	10
Haageana fl. pl. A half trailing variety with small double orange flowers.....	10

New Mammoth Flowering Zinnias.

(*Zinnia grandiflora plenissima*, fl. pl.)

A new very large flowering race differing from the old varieties in their more luxuriant robust growth, and in the larger and more conical shape of the flowers, which have broader and many more petals. The plant forms a handsome bush, 3 feet in height, and the large, perfectly formed double flowers, measuring 5 to 6 inches across, are borne in uninterrupted succession on strong slender stems and well displayed above the foliage; the flowers are of most intense and brilliant colors, and comprise several new and rich hues. The luxurious growth and free-flowering habit of this fine novelty render it particularly attractive for large groups or flower borders. Mixed colors, 15 cts.

NEW MAMMOTH FLOWERING
ZINNIA.

Your "Zebra Zinnias" have been a marvel of beauty.—LOUISE C. GORDON, Lexington, Ky., August 1st, 1888.

ACONITUM.

FLOWER SEEDS.

Abridged List of Standard Varieties

TOO WELL KNOWN TO NEED EXTENDED DESCRIPTIONS.

(For Varieties not here mentioned, see General List, commencing page 64.)

BOCCONIA.

	Per Pkt.
Abobra Viridiflora.....	10
Acacia, Finest Mixed.....	10
Achimenes, Finest Mixed.....	50
Acanthus Latifolius.....	10
Aconitum Napellus.....	5
Achillea Ptarmica fl. pl.....	15
Adiumia Cirrhosa.....	10
Æthionema Grandiflora.....	15
Alonsoa, Fine Mixed.....	5
Anagallis, Fine Mixed.....	5
Anchusa Italica.....	5
Anemone Coronaria, Mixed.....	10
Angelonia Grandiflora.....	15
Aralia Sieboldi.....	15
Arabis Alpina.....	10
Argemone Grandiflora.....	5
Mexicana.....	5
Aristolochia Siphon.....	10
Armeria Maritima.....	10
Asparagus Broussonetii.....	10
Azalea Indica, Mixed.....	25
Baptisia Australis.....	5
Bartonia Aurea.....	5
Beta, Scarlet Leaved.....	10
Yellow Leaved.....	10
Dracæna Leaved.....	15
Bocconia Japonica.....	10
Bryonopsis.....	5
Calamagrostis Scaberrima.....	10
Calceolarius Floridus.....	10
Castilleja Divisa.....	15
Catchfly, Mixed.....	5
Cedronella Can.....	10
Centranthus, Mixed.....	5
Cerastium Tomentosum.....	10
Cerinthe Aspera.....	5
Gymnandra.....	10
Clianthus Dampieri.....	5
Puncatus.....	25
Clinantia, Mixed.....	25
Echeveria Metallica.....	10
Secunda Glauca.....	25
Erythraea Muhlenbergii.....	15
Eupatorium Frazerii.....	5
Euphorbia Variegata.....	5
Erica, Fine Mixed.....	15
Exacum Affine.....	15
Ferula Communis.....	10
French Honeysuckle.....	5
Fuchsia, Mixed.....	25
Gentiana Acaulis.....	15
Geum Atrosanguineum fl. pl.....	10
Golden Rod.....	5
Glaucium Luteum.....	5
Gnaphalium Leontopodium.....	25
Gypsophila Muralis.....	5
Paniculata.....	5
Grevillea Robusta.....	15
Hedysarum Gyans.....	25
Ice Plant.....	5
Incarvillea Olgea.....	10
Ipomopsis, Mixed.....	5
Impatiens Sultan.....	25
Jacobaea, Double Mixed.....	5
Dwarf, Double Mixed.....	5
Kochia Scoparia.....	5
Kaufussia, Fine Mixed.....	5
Kenilworth Ivy.....	10
Lantana, Fine Mixed.....	10
Lapageria Rosea.....	50
Lathyrus Latifolius.....	5
Albus.....	10
Mixed.....	5
Lavatera Trimestris, Mixed.....	5
Arborea Variegata.....	15
Lavender.....	5
Limnantes Douglasii.....	5
Loasa, Mixed.....	10
Magnolia Grandiflora.....	10
Conspicua.....	25
Glauca.....	15
Malope Grandiflora, Mixed.....	5
Martynia Fragrans.....	5
Mathiola Bicornis.....	5
Matricaria Alba Plena.....	10
Crispa Alba Plena.....	10

ABRIDGED LIST.—Continued.

Per Pkt.

Mesembryanthemum, Tricolor.....	Mixed trailing half hardy annuals, with large star-shaped beautiful flowers, ½ ft.....	5
Moluccella Laevis.....	"Molucca Balm" or "Shell Flower," shell-like flowers of white and purple, hardy annual, 1½ ft.....	5
Momordica Balsamina.....	"Balsam Apple," luxuriant tender annual summer climber, with handsome orange fruits, 10 to 15 ft.....	5
— Charantia.....	"Balsam Pear," luxuriant tender annual summer climber, copper colored and scarlet fruits, 15 to 20 ft.....	5
Mina Lobata.....	Beautiful tender annual climber for summer, pendent spikes of red, orange and cream flowers, 18 ft.....	25
Mukia Scabrella.....	Elegant half hardy annual climber, flowers yellow, followed by orange and scarlet fruits, 10 ft.....	10
Mimosa Pudica.....	"Sensitive Plant," leaves close and droop when touched or chloroformed, half hardy annual, 1 ft.....	5
Nierembergia Gracilis.....	Free blooming half hardy annual plants for garden or pots, flowers white, purple and yellow, 1 ft.....	10
— Frutescens.....	Half hardy perennial variety, large saucer-shaped blue and white flowers, 1 ft.....	10
Nolana, Mixed.....	Trailing hardy annual with morning-glory-like flowers of blue, white and yellow, ½ ft.....	5
Nycteria, Mixed.....	Dwarf half hardy annuals, large star-shaped flowers of white, pink and yellow, ½ ft.....	5
Enothera, Fine Mixed.....	"Evening Primroses," or "Sun Drops," large showy flowers of various colors, hardy annual, 1 to 2 ft.....	5
Palava Flexuosa.....	Beautiful half hardy annuals for beds or pots, large pink flowers, black throat, 1½ ft.....	5
Pæony, Double Mixed.....	Grand hardy perennial plants, with large double flowers of various colors, 2 ft.....	10
Pardanthus Sinensis.....	"Blackberry Lily," small lily-like flowers, orange, spotted purple, hardy perennial, 2 ft.....	10
Pandanus Utilis.....	Long arching leaved plant, grand for centres of vases, pots, etc., tender perennial, 2 to 4 ft.....	25
Pentstemon, Fine Mixed.....	Hardy perennial plants, bearing in profusion large flowers of all colors and markings, 2 ft.....	10
— Large Flowering, Mixed.....	An extra fine strain, with extra large flowers of lovely colors, hardy perennial, 2 ft.....	25
Potentilla, Fine Mixed.....	Hardy perennial plant with large single scarlet, orange and yellow flowers, 1 to 2 ft.....	5
— Double Mixed.....	Magnificent large double flowers in profusion, hardy perennial, 1 to 2 ft.....	25
Rhododendron, Mixed.....	Handsome hardy perennial shrubs, large grand flowers of many colors, 3 to 4 ft.....	50
Rhodanthé Atrorosea.....	Elegant half hardy annual, and an excellent everlasting, large purplish crimson flowers, 1 ft.....	10
— Maculata.....	Elegant half hardy annual, and an excellent everlasting, rose, with yellow eye, 1 ft.....	10
— Alba.....	Elegant half hardy annual, and an excellent everlasting, pure white, 1 ft.....	10
— fl. pl.....	A new variety of the above, with very double flowers of rosy carmine, half hardy annual, 1 ft.....	13
— Manglessii.....	One of the finest, brilliant rose with dark centre and yellow eye, half hardy annual, 1 ft.....	10
Rose, Hardy, Double Mixed.....	Seed saved from the finest hybrids, flowers the 2d year, hardy perennial, 3 to 6 ft.....	15
— Monthly Tea, Double Mixed.....	Seed saved from the finest hybrids, half hardy perennial, 2 to 4 ft.....	15
Rocket, Mixed.....	"Damask or Dame's Violet," "Sweet Rocket," fragrant purple and white flowers, hardy perennial, 2 to 3 ft.....	5
Sabbatia Campestris.....	Pretty half hardy annuals, large saucer-shaped flowers of rosy carmine and yellow, ½ ft.....	10
Sanvitalia Procumbens, fl. pl.....	Beautiful trailing half hardy annual, large double golden flowers in profusion, ½ ft.....	10
Saponaria, Fine Mixed.....	Compact growing hardy annuals, with a profusion of flowers of rose, purple, white, etc., ½ ft.....	5
Scabanthus, Fine Mixed.....	Called "Butterfly Flower," from the resemblance of its richly colored blooms, half hardy annual, ½ ft.....	5
Sedum Cœruleum.....	A charming trailing hardy annual, with bright blue flowers, fine for rock-work, ¼ ft.....	10
Senecio Speciosus.....	Showy half hardy perennial for either garden or pots, large reddish purple flowers, 1 ft.....	15
Silene Compacta, Mixed.....	Dwarf bushy hardy annuals, bearing bright colored flowers in profusion, ½ ft.....	5
— Double Mixed.....	Dwarf bushy hardy annuals, bearing bright very double flowers in profusion, ½ ft.....	10
Smilax.....	Charming climber for house-foliage, extensively used for decorations, tender perennial, 6 ft.....	15
Solanum Capsicastrum.....	"Jerusalem Cherry," small tree-like half hardy annual, bearing numerous red fruits, 1½ ft.....	5
— Hendersonii.....	A dwarfier variety of above, with larger cone-shaped scarlet fruits, half hardy annual, 1½ ft.....	10
— Warscewiczii.....	Rapid growing, majestic foliage, half hardy annual, for tropical lawn effects, or pots, 6 to 8 ft.....	10
Statice Suworowi.....	Beautiful hardy annual, with long branching spikes of crimson-lilac flowers, 1½ ft.....	15
Sweet Sultan.....	Effective hardy annuals for garden, fragrant flowers of purple, white and yellow, 1½ ft.....	10
Tagetes Signata Pumila.....	Charming compact half hardy annuals, studded with yellow maroon striped flowers, 1 ft.....	10
Trifolium Suaveolens.....	"Sweet Scented Clover," deliciously fragrant flowers, great favorite, hardy perennial, ¼ ft.....	10
Tritoma Uvaria.....	"Red Hot Poker," splendid hardy perennial plants, with tall spikes of orange and red, 4 ft.....	10
Tunica Saxifraga.....	Low growing hardy perennial, rosy lilac, flowers in profusion, fine for edgings, ½ ft.....	10
Valerian, Mixed.....	Showy hardy perennial, large heads of bright rose, scarlet and white flowers, 1½ ft.....	5
Veronica, Mixed.....	Low growing hardy annuals, with blue, violet and white flowers in profusion, ½ ft.....	10
Virginian Stock, Mixed.....	Extremely pretty dwarf hardy annuals, flowers red, white, rose, etc., borne freely, ½ ft.....	5
Whitlavia, Mixed.....	Free blooming hardy annuals, large bell shaped flowers of blue, white, violet, etc., 1 ft.....	5
Wigandia Caracasana.....	Noble foliage plant, for lawn, leaves 3 feet long by 1½ wide, richly veined, tender annual, 7 ft.....	15
Wistaria Sinensis.....	A favorite hardy perennial climber, magnificent clusters of blue flowers, 50 to 75 ft.....	10
— Alba.....	A favorite hardy perennial climber, magnificent clusters of white flowers, 50 to 75 ft.....	10
Xeranthemum Annum, Purple.....	Showy hardy annuals, large purple flowers, splendid for winter bouquets, 2 ft.....	5
— Roseum.....	Showy hardy annuals, large rose colored flowers, splendid for winter bouquets, 2 ft.....	5
— Alba.....	Showy hardy annuals, large white flowers, splendid for winter bouquets, 2 ft.....	5
— Mixed.....	Showy hardy annuals, large various colored flowers, splendid for winter bouquets, 2 ft.....	5
— Superbissima.....	A new variety of dwarfier habit and very double red flowers, hardy annual, 1½ ft.....	10
— Alba.....	A new variety of dwarfier habit and very double white flowers, hardy annual, 1½ ft.....	10
— Mixed.....	A new variety of dwarfier habit and very double flowers of various colors, hardy annual, 1½ ft.....	10
Yucca Filamentosa.....	Showy hardy perennial, with tall spike of white, large bell shaped flowers, 4 to 6 ft.....	10

— ORNAMENTAL GRASSES. —

Agrostis Nebulosa.....	Light, feathery and graceful, fine for winter bouquets, hardy annual, 1 ft.....	5
Arundo Donax Variegata.....	"Great Reed." Splendid bamboo, with green and white leaves for lawns, half hardy perennial, 6 to 12 ft.....	10
Avena Sterilis.....	"Animated Oats." Large drooping graceful heads, for winter bouquets, hardy annual, 2 ft.....	5
Briza Maxima.....	"Large Quaking Grass." Large pendent seeds, fine for clumps or bouquets, hardy annual, 1 ft.....	5
— Gracilis.....	"Small Quaking Grass." Smaller graceful variety of above, hardy annual, 1 ft.....	5
Bromus Brizaeformis.....	Splendid variety, with drooping spikes of pendent seeds, hardy annual, 1 ft.....	5
Chrysurus Aureus.....	Feathery golden spikes, beautiful for bouquets in winter, hardy annual, ½ ft.....	5
Coix Lachrymæ.....	"Job's Tears." Bear large black seeds, frequently strung for babies, hardy annual, 2 ft.....	5
Eragrostis Elegans.....	"Love Grass." Elegant and feathery foliage, hardy annual, 1 ft.....	5
Erianthus Ravennæ.....	"South American Pampas." Handsome, hardy perennial, tall specimens for lawns, 10 ft.....	10
Eulalia Zebrina.....	"Zebra Grass." Forms elegant clumps, leaves striped across, hardy perennial, 7 ft.....	15
Gymnotheris Latifolia.....	Forms handsome bamboo-like clumps, effective on lawns, half hardy perennial, 10 ft.....	10
Gynurium Argenteum.....	"True Pampas Grass." Makes fine clumps for lawns, large silvery plumes, half hardy perennial, 6 to 10 ft.....	10
Lagurus Ovatus.....	"Hare's Tail Grass." Woolly cone-shaped heads, fine for winter bouquets, hardy annual, 1 ft.....	5
Panicum Sulcatum.....	Long, graceful, feathery spikes, hardy annual, 3 ft.....	5
Stipa Pennata.....	"Feather Grass." Delicate long silvery feathers, fine for winter bouquets, hardy perennial, 2 ft.....	10
Tricholena Rosea.....	Pretty rose colored grass, hardy annual, 1 ft.....	10

Imported Collection of 25 Varieties of Ornamental Grasses, \$1.50.

THE "HENDERSON"

NEW LAWN MOWER.

The Latest Improved,
Most Perfect, Easiest Running, and
Handsomest Lawn Mower Made.

WHEN we state that we believe we sell more Lawn Mowers than any other retailer in the United States, it will be quickly understood that we are brought into direct contact with users of Lawn Mowers everywhere, and this experience has always kept us abreast of the times in suggesting or adopting the various improvements that were needed from time to time. In the "**HENDERSON**" **LAWN MOWER** (first offered in 1886) is presented the most perfect Lawn Mower yet produced.

The following are its Chief Points of Merit:

THE EASIEST RUNNING.—In our trials with leading mowers, we proved by accurate tests with the dynamometer that the "**Henderson**" ran *one-fourth* easier than the lightest of them, and *one-third* easier than most.

CUTS THE GRASS SMOOTHER.—It is so rapidly speeded that the knives strike the grass one-half nearer than other mowers, consequently it does smoother work, leaving the lawn level and velvety.

THE MOST DURABLE.—The journals are fitted so they can be drawn together with a screw, taking up any wear, and will always cut well and save repairs.

CUTS HIGH GRASS.—It will cut high grass and do perfect work.

THE MOST PERFECT AND SIMPLE.—One of the greatest points of superiority, is the simple manner with which the knives can be adjusted.

NO CLOGGING.—It throws all cut grass back, so there is no clogging, and the gears are all enclosed and protected from wear.

WILL NOT "BARK" TREES.—A protecting rod allows it to cut within an inch of trees or posts without danger of "barking" them or injuring the knives.

THE HANDSOMEST made, being finished in red, gold and black.

WARRANTED to give satisfaction and work as represented, with the privilege of returning any mower that does not do so.

All parts are "interchangeable"; any piece can be duplicated.

"GATHERING THE GRASS."—It is the custom in this country to leave the cut grass on the ground to protect the roots from the sun. This cut grass also acts as a mulch or fertilizer, and is, as a rule, the proper thing to do. Yet conditions sometimes occur where it is desirable to gather the grass. We now make all the **"Henderson" Lawn Mowers** so that a grass-gathering apparatus can be applied to them at any time. It can be easily adjusted, and does the work perfectly.

TERRACE IRON.—By removing the handle of the mower and hooking the "terrace iron" into the holes just over the *back wooden roller*, the mower works splendidly on terraces sufficiently steep.

Low net prices of the New "Henderson" Lawn Mower.

(Positively no discount allowed from these prices.)

	Low net price				
12 in. Cut,	\$8.25.	List price,	\$15.00.	Grass Box, extra,	\$2.00.
14 " "	9.35.	" "	17.00.	" " "	2.25.
16 " "	10.45.	" "	19.00.	" " "	2.50.
18 " "	11.55.	" "	21.00.	" " "	2.75.
20 " "	12.65.	" "	23.00.	" " "	3.00.

Terrace Iron, extra, 25 cents.

We include, without charge, with every "Henderson" Mower, an oil can, filled with best machine oil.

THE "EXCELSIOR" NEW HORSE LAWN MOWER.

Guaranteed to be the best and most Perfect Horse Lawn Mower manufactured.

It is used exclusively by the Government, and on the largest public and private lawns in the country.

They are furnished with shafts, seat and side draft attachment, which keeps the horse on the cut grass only. Every mower warranted to give complete satisfaction.

LOW NET PRICES.—30 inch cut, **\$71.50** (list price, \$110.00); 35 inch, **\$87.75** (list price, \$135.00); 40 inch, **\$110.50** (list price, \$170.00).

We can supply a smaller size Excelsior Horse Lawn Mower for very hilly lawns, and lawns full of trees and shrubs. It has no seat nor shafts, the horse is hitched to a single-tree attached to the mower, which allows the horse to turn in and out among the trees. The price of this 25-inch mower is \$42.25. (List price is \$65.00.) If desired, we can furnish shafts and side draft attachment for this mower for \$8.50 net. **Horse Boots**, to prevent horse from sinking in damp or soft ground, \$10.00 per set of four.

WHITE'S GARDEN TRELLIS.

We first used these Trellises in our Trial grounds in 1886, and were so pleased with them that now we use over five thousand feet. The double Trellis is shown used for tomatoes, but it is equally advantageous for cucumbers, melons, squashes, lima and pole beans. The single Trellis is mainly for peas, and is far ahead of brush or string. The cultivator is able to pass freely between the rows for cleaning and picking, and besides these Trellises are an ornamental feature in the garden. It is made of galvanized wire and light strong wood, and can be rolled up in small space. With ordinary care will last for years. The ground ends of the posts are treated with the best wood preservative known, making them practically everlasting.

PRICES OF WHITE'S TRELLIS

(Furnished in 10 ft. lengths only. 50 ft. at 100 ft. prices).

	Per run- ning ft.	Per 100 running ft.
Pea Trellis, 4 ft. high. (<i>See cut</i>).....	10e.	\$7.00
" " 3 " " " " " " " " " " " "	8e.	6.00
Pole Bean Trellis, 7 ft. high.....	12c.	10.00
Single Tomato Trellis, stands upright..	10e.	8.00
Double " " " " " " " " " " " "	20c.	16.00

GARDEN TOOLS.

	Price Fig.
Archangel Mats, 5x7 ft., each, 75c.; per doz. \$8.00	
Asparagus Buncher , self-locking, adjustable to any size bunch. Latest and best buncher in the market.....	3.00 27
Axe, handled, medium, \$1.25; heavy.....	1.50
" mattock, \$1.10; with handle.....	1.25
Bill Hook, light, \$1.25; heavy.....	1.50 14
Brush Hook, axe handled.....	1.25 52
Crowbars, steel, 12 to 20 lbs. each, per lb.....	07
Cuba Bast , splendid tying material, per lb.....	25
Dibbers, medium, 35c.; large.....	45 55
Daisy and Dock Lifter.....	75 63
Flower Cement . Holds the petals on cut flowers, etc., per bottle.....	40
Floral Tools , set of 4, small, 60c.; large, 1.50	
Forks , Digging, 4 prong, 85c.; 5 prong.....	95
" manure, light, 4 tine, 85c.; 5 tine.....	95
" heavy, 4 tine, 95c.; 5 tine.....	1.10
" hickory, stable, 3 tine.....	75
" hand weeding, malleable, 25c.; steel, 60	
" hay, 2 tine, 50c.; 3 tine.....	60
Flower Gatherers (Dubois patent), for picking at a distance.....	7 00 25
Grafting Chisels	65 13
Garden Lines, 75 ft. long, braided linen, 40	
" twisted linen.....	25
Gardeners' Gloves, for working in thorny plants, per pair.....	85 23
Glass Cutters and Glazing Tools, each, 10c.; per doz.....	1.00
Glazing Points , Chandler's lipped, glass cannot slip, per 1,000, 75c.; pincers for applying these points, per pair.....	50 39
Grafting Wax, Trowbridge's, 1 lb.....	15
" 1/2 lb., 25c.; 1 lb. 40	
Grass Hooks , English, No. 1, 40c.; No. 2, 60c.; No. 3, 60c.; No. 4, 50	
" American, Blood's, No. 2.....	50 42
Gouge, hand weeding.....	50 59
Grape Bags, No. 1, 12c.; No. 2, 15c.; No. 3, 18	
Hatchets, broad pruning.....	75
Hedge Cutters, Ridgeway's 12 inch.....	4.00 38
" 18 inch.....	5.00 38
Hoes , draw, 5 in., 30c.; 6 in., 35c.; 7 in., 40	
" 7 1/2 in., 40c.; 8 in., 45c.	
" scuffle (handles 15c. extra), 5 in., 45	
" 6 in., 50c.; 7 in., 55c.; 8 in., 60	
" 9 in., 65c.; 10 in., 70c.; 12 in., 80	
" Warren, medium, 60c.; large.....	70
" prong or potato hook.....	50 8
" Vernon (handles extra, 15c.), 5 in., 65	
" " 7 in., 80	
" onion, 1 prong, 30c.; fig. 3; 2 prong, 40	
" and rake, combined, steel, 4 teeth, 45	
" " 6 teeth, 50	
Hose Rubber , in 25 and 50 ft. lengths only, including couplings, viz., Best quality, all new rubber, per foot, 3/4 in. 18	
1 in., 23	
Good quality, per ft., 3/4 in., 10c.; 1 in., 13	
Hose, Nozzle , brass, with spray and stream tip, 3/4 in., 90c.; 1 in., 1.10	
" Graduating spray and stream, 3/4 in., \$1.00; 1 in. 1.25	
Hose Menders , Hickman's, 3/4 in., each, 25	
" " per doz.....	2.00 24
" 1 in., 25c. each; per doz. 2.50	
Hose Reels, holding 100 ft., \$3.00; 200 ft., 4.00	

	Price Fig.
Hydronette, throws water in stream or spray 40 ft. from bucket.....	\$5.00 69
Knives , pruning, budding, botanizing, etc., of the finest English manufacture (Saynor & Cook's). No. A, \$1.50; B, \$1.00; C, \$1.50; D, \$1.25; E, \$1.75; F, \$1.25; G, \$1.00; H, \$1.75; I, \$1.75; J, \$1.25; K, \$1.25; L, \$1.50; M, \$1.50; N, \$1.25; O, \$1.50; P, \$1.25; Q, \$1.50; R, \$1.25; S, \$1.25; T, \$1.25; U, \$1.75; V, \$1.25; W.....	1.00
Knives, grass or turf edging, 8 in.....	1.30 40
" " 9 in., \$1.40; 10 in., 1.50	
" asparagus.....	1.50 40
" hay, Clipper, \$1.25; Cyclone.....	2.25
" corn, extra qual., 35c.; good qual., 25	
Lawn Sprinklers , 4 arm, \$4.00; 6 arm, \$5.00; 8 arm., 6.00	
" ball and basket attachment for above, 3.50	
" " "Ideal," to stick in the ground.....	75 17
Labels, Wooden, Pot, Garden and Tree . Garden Labels are put up in packages of 100; pot and tree labels in packages of 500, which will be furnished at 1,000 rates.	
Pot Labels, 4 in., per 1,000, \$0.55	
" 5 " " 75 1.00	
" 6 " " 90 1.25	
Garden " 8 " per 100, 35 45	
" 12 " " 45 55	
Tree, Notched, 3 1/2 " per 1,000, 45 65	
" Pierced, 3 1/2 " " 45 65	
" Copper Wired, 3 1/2 " " 1.50 1.75	
" Iron " 3 1/2 " " 1.00 1.25	
Mole Traps , Hale's, best trap made.....	2.00 15
" Olmstead's.....	1.50
Pick, 85c.; with handle.....	1.00
" mattock, 85c.; with handle.....	1.00
Pencils, indelible, for labels, red or blue.....	10
" black.....	10
Plant Protectors , Henderson's, galvanized iron folding frames, covered with protecting cloth, invaluable for early forwarding of plants, protecting from frosts, insects, etc., each, 25c. doz.....	2.50 19
Plant Protecting Frames , for window glass, frames fold. Price (without glass), 35c. each; doz.....	3.50 18
Protecting Cloth or Waterproof Fibre , specially prepared to prevent mildewing and rotting; valuable for forwarding and protecting early plants from frosts, covering hot-beds and frames in spring, in lieu of glass (after excessive freezing weather is over) and for throwing over bedding plants at night in fall, at one-tenth the cost of glass.	
(Pieces contain from 40 to 60 yards.)	
Heavy Grade, per yd. 12c.; by piece per yd. 10	
Medium Grade (best for general purposes), per yd. 10c.; by piece per yard.....	8
Light Grade (mostly used in South for Tobacco plants), per yd. 5c.; by piece per yd. 4	
(Samples and circular mailed on application.)

Hose and Reel.

Hose Nozzle with Graduating Spray.

Gardener's Glove. Hose Mender.

Dubois' Flower Gatherer. Turning Iron.

Hand Glass.

Henderson Plant Protector.

Grape Bag.

Self-Locking Asparagus Buncher.

Hale's Mole Trap. Henderson Hand Pump.

Ideal Lawn Sprinkler.

Hand Glass.

Henderson Plant Protector.

Grape Bag.

Self-Locking Asparagus Buncher.

Pruning Shears.

Flower Gathering Scissors.

Lopping Shears.

Hedge Shears and Cutter.

Lipped Glazing Points and Pincers.

Grass Edging Knife.

Grass Edging Shears.

Grass Hook.

Lawn Shears.

Grass Shears.

Weed Cutter.

Lawn Roller.

Plant Sprinklers.

	Price Fig.
Pruners, Waters' tree, 4 ft., \$1.75; 6 ft.	\$2.00 58
" " " 8 ft., \$2.25; 10 ft.	2.50 58
" " " telegraph tree, operated by cord.	1.75 53
" " " extra knives for tree pruners.	25
Pruning Saw, 16 in., 70c.; 18 in., 80; 20 in.	90 50
" " " double edge, 16 in.	70 49
" " " 18 in., 80c.; 20 in.	90
" " " and Chisel combined.	1.00 51
Pump, Henderson portable hand force, with spray and stream tip, to work from bucket.	5.00 16
Raphia, splendid tying material, per lb.	25
Rakes, Steel Garden, 6 teeth.	30
" " " 8 teeth, 35c.; 10 teeth	40
" " " 12 teeth.	45
" " " 14 teeth, 55c.; 16 teeth	60
" " " short tooth; 10 teeth.	45
" " " 12 teeth, 50c.; 14 teeth.	55
" " " 16 teeth.	60
" " " Bow, best and most durable made, 11 teeth.	55 9
" " " 13 teeth, 60c.; 15 teeth.	65 9
" " " Wooden, Hay, 3 bow, 12 teeth.	30
" " " Lawn, 22 teeth.	40
" " " Gem Lawn, Steel wire, splendid.	60 12
" " " Automatic Self-cleaning lawn rake, 22 teeth, 70c.; 26 teeth.	85 11
" " " Daisy, an English iron rake for tearing off heads of daisies, dandelions in lawns.	3.25 10
Reels for Garden Lines, small, 85c.; large.	1.00
Rollers, Iron, Garden and Lawn, Prices including weights.	
Width of Height Weight	
No. each Section. of Roller. about	
A. 2 Section, 7½ inch, 15 inch, 125 lbs.	7.25 46
C. 1 " 20 " 20 " 220 " 12.00	
D. 2 " 12 " 20 " 300 " 15.50	
E. 3 " 12 " 20 " 450 " 22.00	
G. 2 " 12 " 24 " 400 " 19.00	
L. 2 " 12 " 28 " 500 " 22.00	
Rustic Hanging Baskets, 10 inch ...	1.25
" " " 12 in., \$1.50; 13 in.	1.75
Rubber Putty Bulbs, for applying white lead and putty in glazing.	1.00
Rubber Sprinklers, for spraying flowers, etc.	
" " " Scully's.	1.00 48
" " " Perfection, sprays up under foliage, etc., No. 1.	50 47
" " " No. 2, 75c.; No. 3.	1.00 47
Sash, Hot Bed, 3x6 ft., unglazed, each.	1.25
" " " per dozen.	13.00
" " " Glaz'd & Paint'd, ea., \$2.75; doz.	30.00
Syringes, made of solid brass, in the best manner, and highly finished. Those with the patent valve will fill very quickly.	
PRICES OF SYRINGES.	
No. A. 1 spray and 1 stream rose.	2.25
No. 2. 1 coarse and 1 fine spray and 1 stream rose.	3.75
No. 00. 1 coarse spray rose only.	3.00
No. 3. Same as No. 5, without patent valves.	4.75
No. 5. 1 coarse and 1 fine spray and 1 stream rose, with patent valves.	5.50
No. 7. Same as No. 5, and has knuckle joint to syringe up under the leaves.	8.50
Whitman's Sheet Brass, best cheap syringe.	1.50
Tree Scraper, for removing old bark.	60 54
Thermometers, Tin, Japanned black, 7 in., 15c.; 8 in. 20c.; 10 in.	25 30
" " " Fancy wooden, black, white or natural.	50
" " " Cylindrical, all glass for hot beds.	75

	Price Fig.
Trowels, ordinary, 5 inch, 10c.; 6 inch,	15 57
" " " 7 inch, 20c.; 8 inch.	25 57
" " " solid steel, 6 inch, 45c.; 7 inch.	55 57
" " " 8 inch.	65 57
Turfing Iron, for digging up sod.	3.50 26
Scythes, Lawn, imported, broad blades, 30, 32, 34, 36, 38 and 40 inches.	1.50
" " " Grass, Best American make, 30, 32, 34, 36, 38 and 40 inches.	85
" " " Bush, short thick blades for brush.	85
" " " Snaths (or handle), pat. fastening.	85
" " " Stone's English round Talacre.	15
" " " Round Ohio, 10c.; Flat Ohio.	10
" " " Imported German, very fine grit.	20
" " " Rifles, triple emery coated.	10
Scissors, Flower gathering, 5 in. 75c.; 6 in.	1.25 31
" " " 7 inch.	1.50 31
" " " Claiberg's flower & fruit picking.	85
" " " Week's.	75 32
" " " Grape Thinning, for thinning the bunch, 6 inch, \$1.00; 7 inch.	1.25 33
" " " Handy vine clipping.	60
" " " Ladies' light pruning, 7 inch.	60 30
Shears, Pruning, solid steel 7½ in.,	1.00 28
" " " 8½ in., 1.25; 9½ in.	1.50 28
" " " Pruning, English, polished steel, 4 in., 75c.; 5 in., 90c.; 6 in.,	1.00 29
" " " 7 inch, 1.25; 8 inch.	1.50
" " " Pruning, malleable, with steel blade, 8 inch.	75
" " " Hedge, imported (notch 25c. ext.) 8 inch blade, \$1.75; 9 inch.	2.00 37
" " " 10 inch.	2.25 37
" " " Clyde curved blade, draw cut.	3.00 36
" " " Lopping, or branch pruning, imported, length, 22 in.,	2.50 34
" " " 28 in., 3.00; 38 in., 3.50; 48 in.	4.00 34
" " " Draw cut, imported, cut smooth and easily, 22 inch.	2.75 35
" " " 28 in., 3.50; 38 in., 4.25; 48 in.	5.50 35
" " " Elyria, excellent, American make.	1.75
" " " Grass Edging, imported, (with wh el, 50c. extra), 8 in. blade.	2.25 40
" " " 9 in., 2.50; 10 in.	2.75 40
" " " Lawn, for trimming under bushes, fences, etc., with 2 wheels, 10 inch blades.	4.00 43
" " " Sheep or Grass, 7½ in. blade.	1.00 42
Shovels, smooth back, 90c.; Ames' extra.	1.25
" " " round point.	1.00
" " " Scoops, No. 2, 90c.; No. 3.	1.00
" " " Steel Wire Scoop.	1.25
Spades, smooth back, 90c.; Ames' ext. qual.	1.25
Spuds, for cutting docks and weeds out of lawns.	75 56
Stakes, Square Green, Tapering. 2 feet...each, 3c.; per doz., 25c.; per 100, 1.50	
3 " " " 5c.; " 45c.; " 100, 3.00	
4 " " " 6c.; " 60c.; " 100, 4.00	
5 " " " 7c.; " 75c.; " 100, 5.00	
6 " " " 8c.; " 90c.; " 100, 6.00	
Weed Cutter, with foot rest, for lawns.	60 45
Weeders, Excelsior, (fig. 62), 15c.; Jennings'	15 65
" " " 3 cornered, (fig. 60), 25c.; Noyes'	25 61
" " " Hazeltine's.	25 64
Watering Pots, galvanized iron, 6 qt.	80 67
" " " 8 qt., \$1.00; 10 qt.	1.25 67
" " " 12 qt. 1.50; 16 qt.	1.75 67
" " " French pattern, galvanized iron, 6 qt., \$1.25; 8 qt.	1.50 68
" " " Fine roses for the above watering pots, extra.	25

Pruning Tools.

Weeders.

Watering Pots.

SYRINGES.

FERTILIZERS.

HENDERSON'S LAWN ENRICHER.—A fertilizer which we have found to be never failing in inducing a rapid and rich green growth to the lawn. It meets the wants of hundreds of patrons who desire a clean, portable and convenient lawn dressing. A 10-lb. package is sufficient to go over an area of 300 square feet, or from 1,000 to 1,500 lbs. per acre, for forming a new lawn, or a smaller quantity for renovating on an old one. Prices: 5-lb. package, 30 cts.; 10-lb. package, 50 cts.; 25-lb. package, \$1; 50-lb. bag, \$2; 100-lb. bag, \$4; per ton (of 2,000 lbs.), \$70.

PURE GROUND BONE.—This is moderately fine, and adapted for general fertilizing purposes. The sample we offer is of very fine quality, and quite pure. In barrels of 218 lbs., \$5 per bbl., or \$45 per ton (of 2,000 lbs.).

PURE CRUSHED BONE.—A coarse article, particularly well adapted for use in the preparation of grape vine borders; perfectly pure. In barrels of about 250 lbs.; \$3 per 100 lbs., or \$30 per ton (of 2,000 lbs.).

PURE BONE MEAL.—This is ground very fine, is excellent for top-dressing lawns, and is well-adapted for mixing with soil for potting purposes, for which one part of meal to fifty of soil is about the right proportion. It is the same article we use for mixing with moss in our "Moss Mulching" process. Price, in 1, 2 and 5-lb. packages, 10 cts. per lb.; per 10-lb. package, 80 cts.; per 25-lb. package, \$1.50. Quantities of 50 and 100 lbs. and over, at 4 cts. per lb.; or \$60.00 per ton (of 2,000 lbs.), in bbls. containing about 250 lbs. each.

PERUVIAN GUANO.—Small package of 1 lb., 10 cts. each; 25 lbs. for \$2.00. Per bag of 200 lbs., 4 cts. per lb.; \$65.00 per ton (of 2,000 lbs.).

COTTON SEED MEAL.—A splendid fertilizer for garden crops, root crops, etc. Price, in bags of 100 lbs., \$3.00 per bag; \$30.00 per ton (of 2,000 lbs.).

ROTTEN BONE MANURE.—This is one of the best fertilizers for its price that has ever come under our notice. Used on farm crops it is put on broadcast and harrowed in thoroughly at the rate of 1,500 lbs. per acre, and at the comparatively low price at which it is sold it will be seen that it makes an exceedingly cheap fertilizer. Mr. Wm. Crozier, who first called our attention to the Rotten Bone Manure, states that used on mangels, potatoes, turnips and fodder corn, it proved to be one of the most valuable fertilizers that he ever tried. One reason why it is sold at such a comparatively low price is that it is not ground up as fine as most of the fertilizers that are offered in the market. It will be seen that we offer it in two grades, as follows: Plain, \$20.00 per ton (of 2,000 lbs.); decomposed with potash, \$22.00 per ton (of 2,000 lbs.).

BLOOD AND BONE FERTILIZER.—Manufactured of pure blood and bone. The quantity we use of this fertilizer, when applied broadcast for such crops as spinach, cabbage, beets, onion or celery, is from 1 to 2 tons per acre, according to the condition of the land. For seed beds of cabbage, lettuce, etc., the same ratio of quantity is used. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 lbs. per acre will be enough. In bbls. of about 218 lbs., \$3.00 per 100 lbs., or \$50.00 per ton (of 2,000 lbs.).

HENDERSON'S PERMANENT PASTURE MANURE.—Especially intended for use on pasture or mowing lands. Price, in bbls. of about 250 lbs., 3½ cts. per lb., or \$55.00 per ton (of 2,000 lbs.).

BOWKER'S FOOD FOR FLOWERS.—An excellent fertilizer for house plants. Clean to handle, without odor, produces rich green growth, and profusion of flowers, if used according to directions which accompany it. Small package, 15 cts.; or by mail, 20 cts. Large package, enough for twenty plants one year, 30 cts.; or by mail, 45 cts.

UNLEACHED ASHES.—Pure hard wood Canadian unleached ashes, unrivaled as a fertilizer for grass lands or lawns. Price, \$3.00 per 100 lbs.; \$6.00 per bbl., or \$24.00 per ton.

Special rates on fertilizers for car load lots.

INSECT

Full Directions for Applying

DESTROYERS.

all Insecticides accompany each

HENDERSON'S INSECT DEATH POWDER.—This is unsurpassed for green fly, ants, vinebugs, cabbage worms, slugs, caterpillars, cabbage fly, blight, tomato worms, etc., etc. Should be blown on with a powder bellows or gun. Price, per oz., 10c.; ¼ lb., 25c.; lb., 75c.

POWDERED WHITE HELLEBORE.—For rose slugs, currant worms, etc. Dust on with gun or bellows while the foliage is moist. Price, 50c. per lb.

HENDERSON'S MILDEW MIXTURE.—A fluid for preventing and destroying mildew. One pint is sufficient for eighteen gallons of water. Apply with syringe or vaporizer. Price, per pint bottle, 60c.

COLE'S INSECT DESTROYER.—A fluid that is sure death to mealy bug and red spider. Spray on with the vaporizer described below. Price, ½ pint bottle, 75c.

FIR TREE OIL.—This new insect destroyer has proved to be one of the most reliable for all kinds of insects. Dilute according to directions. Apply with syringe, or by dipping the plants in. Price, ½ pint, 60c.; pint, 75c.; qt., \$1.50; ½ gal., \$2.75; gal., \$5.00.

SLUG SHOT.—Non-poisonous; no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetables or fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. It comes ready to be applied, and is simply dusted lightly on so that it reaches all parts of the plant. The quantity of Hammond's Slug Shot needed for the acre varies, according to the number and size of the plants, from ten to forty pounds. For further information send for our little book on Slug Shot. Prices: In barrels holding 235 lbs., net, 4c. per lb.; 10-lb. packages for 50c.; 5-lb. packages for 30c. Tin canisters containing half a pound, with perforated top that unscrews, so it can be filled again, 75c. each.

Implements for applying Insect Killing Fluids and Powders.

TRUCK BARREL AND FORCE PUMP.—For watering gardens or spraying trees or plants with Paris green water. The pump throws a stream 40 feet or a spray 30 feet. Price of truck and barrel, \$12.00; pump, \$7.00 extra.

GARDEN ENGINE.—Holds 40 gallons. Will force a stream 60 feet or a spray 40 feet. Splendid for sprinkling trees with Paris green water. Kills all insects on the orchard or shade trees, \$20.00.

APHIS BRUSH.—For cleaning plants of green fly, scale and mealy bugs. Price, 75c.

POWDER DUSTER.—For applying Slug Shot and other powders on potatoes, vines, etc. Price, 4-quart size, 50c.; 2-quart, 35c.

EUREKA FUMIGATOR.—For smoking green-houses with dampened tobacco stems. 12-in. high, \$1.50; 16-in., \$2.50; 20-in., \$3.00; 24-in., \$4.00.

FLORENCE VAPORIZER.—For spraying fluids on plants, 75c.

DOUBLE CONE POWDER BELLOWS.—The best; holds 1 quart; will throw powders up in a tree, or can be held down so the powder will be

importation. The cheap grades are almost worthless. It is so fine it penetrates hidden crevices when blown on with a gun or bellows, and many Southern cabbage growers say it is the only effectual remedy for the cabbage worm. Price, ¼ lb., 35c.; lb., 85c.

GENUINE PARIS GREEN.—Price, in 1 lb., 2 lb. and 5 lb. boxes, 25c. per lb.

LONDON PURPLE.—Said to be superior to Paris Green for dissolving in water, being more soluble. Per lb., 20 cts.

HAMMOND'S GRAPE DUST.—For the prevention and destruction of mildew on plants. Prices: 5-lb. package, 35c.; kegs of 100 lbs., \$5.00.

FLOWER OF SULPHUR.—For the prevention and destruction of mildew on plants. Prices: Per lb., 10c.; 10 lbs., 60c.; per 100 lbs., \$5.00.

GISHURST'S COMPOUND.—An English preparation for green fly, scale, bark lice, mealy bug, red spider, etc. Dissolve in water and apply with syringe or vaporizer. Price, per lb. box, 50c.

TOBACCO SOAP.—Makes an excellent wash for plants and trees infested with insects. Dissolve 2 oz. in a gallon of water. Price, per lb., 40c.

WHALE OIL SOAP.—Makes an excellent wash for trees and plants, kills insects and eggs on the bark. Price, per lb., 20c.; 2 lbs., 35c.; 5 lbs., 75c.; 25 lbs. and over, 10c. per lb.

TOBACCO STEMS.—For smoking plants infested with green fly, etc. Dampen before lighting. Price, per bale of 50 lbs., \$1.25; bale of 100 lbs., \$2.00.

TOBACCO DUST.—Kills green and black fly, etc., if dusted or blown on the foliage while moist. Price, per lb., 10c.

We also have a *coarse article*, for sprinkling on the ground. It drives away insects in the earth, and is an excellent fertilizer. Price, per barrel, \$3.00.

thrown up under the leaves. An acre of potatoes, cabbages or vines can be gone over with it in an hour. Price, \$3.00.

SINGLE CONE POWDER BELLOWS.—These are first-class bellows; well made and will not clog. Price, large size, \$1.50; small, \$1.00.

BELLOWS VAPORIZER.—For spraying fluids on plants and shrubs. Large size, price, \$2.00; small size, \$1.25.

POWDER GUN.—For applying powders on plants. 2-oz. size, 20c.; 4-oz. size, 30c.

FIELD FORCE PUMP.—Complete outfit (excepting barrel) for spraying trees. Throws stream 75 ft., or spray 50 ft. An extra hose running into barrel keeps insecticides thoroughly mixed. Price, \$12.00.

MEMORAL SPRAY NOZZLE.—Fits ¾ inch couplings. Throws a spray-like mist. Invented by the U. S. Agricultural Department, particularly for applying fluid insecticides. Price, with two sizes spray caps, \$2.50.

Fumigator. Powder Gun.

Powder Duster. Vaporizer. Memorial Spray Nozzle.

Powder Bellows, Single Cone.

Powder Bellows, Double Cone.

Pump in Barrel. Aphis Brush.

Garden Engine.

Truck Barrel and Force Pump.

The "Planet Jr." Garden Tools

FOR HAND-POWER.

These are the most complete Garden Tools made and have long been the most popular. They are known the world over, and beyond question are the most perfect in design, construction and finish, and most complete in equipment and practical in the field, that have yet been invented. We offer them for 1889 more perfect, more labor-saving and money earning than ever. 32 pp. catalogue free on application.

The "Planet Jr." No. 2 SEED DRILL.

This Drill holds two and a half quarts. It sows all garden seeds accurately, any desired thickness or depth. It opens, drops, covers, and rolls down and marks the next row, all at one passage, in the most perfect and reliable manner. Its construction is simple; it has neither cogs, cams, springs, brushes, levers, chains, belts nor shakers to wear out, run hard and get out of order, nor are its stirring devices in any way dangerous to the vitality of the seed. The seed hopper revolves with the wheels, having in its centre a spring brass drum, having twelve discharge openings, easily regulated all at once to the proper size. Each of these is covered by a bucket or shield in such a manner as to cause the drill to sow a single thimbleful of fine seed with regularity for the distance of a hundred feet, yet it will sow five pounds of seed with the same perfection. The continual revolution of this hopper keeps the seed in a most perfect and loose condition, and makes the sowing of such difficult seeds as Carrot, Parsnip, Beet, Salsify, etc., quite easy and perfect. The machine operates without noise, and the opening, covering and rolling down are automatic and perfect. The plow is directly between the wheels, and, therefore, opens the furrow at a perfectly regular depth, and the covering is, also, for the same reasons very accurate. Seeds can be put in one eighth or one quarter of an inch deep with entire regularity, an important point in the sowing of delicate varieties. The roller can be used to roll light or heavy, or entirely removed. The seed index has upon it the

names of the principal seeds and can be set in a moment. The combination of the necessary good points is so complete that we can assure our customers that it will give them every satisfaction.

OUR NET CASH PRICE, \$8.50. LIST PRICE, \$9.00.

The "Planet Jr." Double Wheel Hoe

CULTIVATOR, RAKE AND PLOW COMBINED.

This exceedingly useful and popular tool has this season the extensive outfit shown in cut No. 2. All the blades are hardened in oil, tempered and polished. The tool is especially adapted to save the labor of the Market Gardener, Onion Grower, Nurseryman and Root Grower. The changes from one form to another are simple and easily and quickly made, and changes in depth or width also. The tool is light and strong, can be used by man or boy, and in much of the most tedious and particular work it *does as much as six to ten men with the common hand hoe and with half the ease.* You can hoe to or from, cultivate, rake, etc., deep or shallow, safely when plants are just coming through the ground, and until they are fifteen inches high, and all the time both sides at once or between the rows, at the speed of a moderate walk. The

RAKES (Fig. 4), level the ground for planting, gather stones and trash, cultivate plants when small, cover seeds, etc. The **HOES** (Fig. 3), cut close and clean, killing everything they meet, leaving the ground level. The **CULTIVATOR** teeth mellow the soil deep or shallow, and are useful for marking out rows for plants, seeds, sets, etc. The **PLOWS** (Fig. 5), lay out deep furrows and cover them, and hill-up or plow away as desired. The **LEAF GUARDS** in front, are just the thing needed when hoeing large plants, such as Beets, Carrots, Parsnips, Beans, and Peas, enabling you to cultivate them perfectly, when otherwise the leaves would be torn off and the plant seriously injured. They are detachable.

OUR NET CASH PRICE, \$7.50. LIST PRICE, \$8.00.

Fig. 2—The "Planet Jr." Double Wheel Hoe, complete with all Attachments.

The "Planet Jr." Plain Double Wheel Hoe.

To meet a demand from Onion Growers and others who want a Hoe only, we offer the Double Wheel Hoe just described, supplied simply with one pair of long curved point hoed. This tool has the same adjustment of hoed and wheel as the above, and any or all of the other attachments may be added to this at any time, and will be found to fit.

OUR NET CASH PRICE, \$4.25. LIST PRICE, \$4.50.

Fig. 3—The "Planet Jr." Double Wheel Hoe, Hoeing Onions.

Fig. 4—The "Planet Jr." Double Wheel Hoe, Cultivating Lettuce.

Fig. 5—The "Planet Jr." Double Wheel Hoe, Plowing and Earthing up Celery.

The "Planet Jr." Combined Drill,

WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

Fig. 6.—The "Planet Jr." Combined Drill with all Attachments.

THIS tool is unquestionably the most popular as it is the most perfect machine of its kind made. It is unrivalled in design, finish, convenience and capacity for work. As a seed drill, it is the same as the No. 2, except in size; it holds one quart. The tools sent out with each machine are shown in the cut. All the blades are steel, hardened in oil, tempered and polished. The curved **RAKES** are invaluable in preparing ground for planting, and for delicate after cultivation of the crop, and for covering seeds, &c., &c. The **HOES** work closely and safely both sides of the row at once when plants are small, and between them when large, working all rows up to sixteen inches wide at one passage, leaving the ground nearly level. The **PLOW** opens furrows, covers them, hills, plows to and from, &c. In small gardens, where a horse is seldom used, it is invaluable for working the coarser crops, such as corn, cabbage, potatoes, celery, &c. The **CULTIVATOR** teeth are admirably adapted to deep mellowing of the soil. The two narrow teeth can be used for marking out two rows at once, up to eight inches apart; the wide one for marking out rows for sets, plants and large seeds.

Taken as a whole this combined tool is the nearest approach to perfection for the uses of a gardener, that can well be devised. Its various accomplishments were the result of careful study and mechanical ingenuity upon the part of the inventor, who could never have succeeded with it but for practical familiarity with garden tools in actual work. **Our net Cash Price, \$11.50. List Price, \$12.00.**

"Fire-Fly" Hand Garden Plow.

Our net Cash Price, \$2.35. List Price, \$2.50.

The "Fire-Fly" Wheel Garden Plow.

TO be appreciated, this little labor-saver must be seen in actual work. Its cost is soon saved in a family vegetable garden, even if but twenty feet square. By going twice in each furrow, the ground can be plowed up in the Spring ready for planting. Then the tool can be used to open shallow or deep furrows for various crops. These can then be covered with it. When the plants appear above the surface, the little Firefly can be used to plow or hoe away from each side of the row, when, after the weeds directly in the row have been removed by hand, the earth can be neatly thrown back again, and this can be repeated through the season, working deep or shallow as each particular crop demands. It takes the place of the horse plow and the cultivator in many gardens, requiring no headlands to turn upon, and it will be found of great value during the whole gardening season. In many gardens it will save its cost twice a year.

THE "PLANET JR." SINGLE WHEEL HOE.

CULTIVATOR, RAKE AND PLOW COMBINED.

Fig. 8.—The "Planet Jr." Single Wheel Hoe Complete.

THE All Steel Planet Jr. Horse Hoe, with patent parallel frame, interchangeable and adjustable hollow Steel Standards, reversible blades, sleeved bolt holes, &c., is the latest and best production of its kind. With the numerous combinations, some of them shown in the cuts, the variety of work performed by them is astonishing, and the quality the very best. It works admirably, as a horse-hoe or cultivator, and also for marking out, covering, hilling, &c. Each tool is sent out complete with all the parts shown in the large cut. It can also be fitted with inch and a quarter plates, a furrowing tooth, marker, earther, sweeps, &c.

Fig. 9.—"P. J." Celery Earther. Complete

Horse Hoe with Furrower and Marker.

Fig. 11.—Horse Hoe as Plain Cultivator.

Furrowing Tooth and Marker.—Fig. 10—It is an excellent device for making furrows for seeds, manure, etc., and marking out the next row at one passage, and is also useful for hilling sweet potatoes and earthing celery, etc., tho' we have a special attachment for earthing celery, Fig. 9, with long adjustable wings. They can be changed in height, and also in width, adapting it to rows from 2 ft. to 3 1/2 ft. wide. The rear ends are attached by slotted knee pieces in the place of the side standards, and the wings are widened and narrowed by the usual expanding bars. It is pronounced by practical celery growers as an excellent attachment. **Covering Attachment.**—Fig. 13—If the Horse Hoe has a wheel, the roller or rake only is required in addition for covering. The tool can then be used with much satisfaction for covering Corn, Potatoes, Peas, Beans, &c., and for making up rows for plants. **Sweeps.**—Fig. 12—These are made in four widths, 8, 10, 12 and 15 inch cuts. A pair of 10 in. and one 12 in. cut clean two and a half ft. They are much esteemed for shallow and level cultivation, for Strawberries, Orange Groves, Cotton, etc., etc.

OUR CASH PRICES.—Planet Jr. Horse Hoe, with Cultivator Teeth and Wheel, \$10.00. Roller for Covering, \$2.50. Sweeps, per set of three (2 10-inch and 1 12-inch) \$1.25. Furrowing Attachment, \$1.75. Marking Attachment, \$2.00. Celery Earther, complete, \$10.00. Celery Earthing Attachment only, which fits the Horse Hoe, \$4

THE "PLANET JR." STEEL HORSE HOE.

CULTIVATOR, MARKER AND COVERER.

Fig. 13.—Horse Hoe, With Covering Roller.

Fig. 14.—The "Planet Jr." Horse Hoe, Complete with Wheel.

Fig. 12.—Horse Hoe with Sweeps.

customers ordering books carried between pages 97 and 140 of our 1989 catalogue will greatly oblige us by returning our 44 of our 1989 catalogue.

ONLY THIS ORDER SHEET,

For, although Seeds and Plants are sent in the same package, when desired, it greatly helps us if orders are made out on separate sheets.

PÉTER HENDERSON,

[illegible]

PETER HENDERSON, 35 & 37 Cortlandt Street, New York.

Name of Person *Enclosed is Cash,* \$

Enclosed is Cash, \$

Post Office. Draft, \$

Express Office (if different from P.O.)

Post Office Order, \$

Please do not write here—this space is for filing.

Plant Department.

PARTIAL VIEW OF OUR GREEN-HOUSE ESTABLISHMENT, ARLINGTON AVE., JERSEY CITY, N. J.

❖ SPECIAL TO OUR CUSTOMERS. ❖

THIS year (1889) we commence our fifth decade in business. From a few small green-houses erected in 1848 has grown the immense establishment of which a partial view is given above. It is with just pride we allude to the growth of our business, believing that it has been brought about and sustained by fair dealing and strict attention to the wants of our customers. We desire to thank the flower-loving public for their liberal patronage, and we take this opportunity to extend our thanks to the many thousands of our customers for the kind and flattering testimonials sent us during the past season, and would have answered each one personally if time permitted.

New and Rare Plants. —Particular attention is called to the plants offered under this heading. As far as has been in our power every article has been thoroughly tested before being offered, many of which will be found to prove great acquisitions.

Our Annual Sales of Flowering Plants now aggregate *three millions*. (This does not include Vegetable and Fruit Plants, such as Cabbage, Cauliflower, Celery, Tomatoes, Strawberries, Raspberries, etc., of which our sales aggregate six million plants.) To produce this enormous quantity, we have Green-houses and frames which occupy $4\frac{1}{2}$ acres *solid* in glass. These Green-house structures are heated both by steam and hot water, and fitted up with every modern appliance, so that they are easily graded to any temperature, and thus the most perfect health and vigor is given to the plants. With such unequaled facilities for their production, we can compete with any in the matter of prices. Special prices given on large contracts.

Selected Varieties. —In Plants, as in Seeds and in everything else, we aim to offer *only the best*. For this reason we do not catalogue extended lists in such things as Roses, Geraniums, Verbenas, Coleus, Fuchsias, Chrysanthemums, etc. (which only serve to confuse purchasers), but cast aside the inferior sorts, and offer only a few (usually a dozen) of the very finest sorts, such varieties as exhibit the best traits of vigor of growth, profusion of bloom, richness of color, etc. This is not only a convenience, but a protection to our customers, who can feel sure of receiving no worthless variety when ordering from us. We would also state that while our Collection embraces everything that is new, rare and desirable, yet we offer nothing but what has been thoroughly tested, thus affording our customers a protection against untried, high-priced novelties, which often prove worthless. Reference to the succeeding pages will show that our claim of having the largest and finest stock of Novelties and Standard Sorts in the United States is a true one, while the immense extent and perfect system under which our establishment is conducted, insures the prompt, careful and liberal filling of all orders, no matter how large or how small.

Facilities for Selecting. —New York florists have a great advantage over others located elsewhere, because the facilities for the importation of novelties at this point are unequaled, and *it is an acknowledged fact*, that the rose growing and general florist business is done on a larger scale and with greater perfection around New York than in any other locality in the United States. Being the great centre of wealth of the country, its exacting taste demands *only the choicest*, grown to the greatest perfection.

Low Prices. —A personal inspection of our plants, at the Green-houses, Arlington Ave., Jersey City, N. J., or at our quality of our plants, and a most casual comparison will show that *our prices are the very lowest*. Notice our prices on Roses, Geraniums, Coleus, Chrysanthemums and other leading things. It must always be borne in mind, however, that *SIZE* enters into the question of price. Roses, for example, four or five inches high, and grown in two-inch pots, are dearer at ten cents each to the buyer, than a Rose a foot in height grown in a four or five-inch pot at thirty cents each, for in the case of the larger plants, results are obtained at once, while with smaller plants half the season is over before any bloom can be obtained.

PETER HENDERSON, 35 & 37 Cortlandt Street, New York.

Forward to:

“ State _____ Date, _____ 1889

If more than one Express Company runs to your place, please designate which we shall ship by.

[illegible]

Visitors are always welcome at our Green-houses in Jersey City, and any of our customers visiting New York should not miss the opportunity to examine this important branch of our business, as our Green-houses and "Trial Grounds" are within forty minutes time, by Ferry Boat and Horse Cars, from our Seed Stores, 35 and 37 Cortlandt Street, New York, where a card with plain directions of "How to reach the Green-houses" will be given to any one applying. Parties wishing to see Mr. Peter Henderson personally, will usually find him at the Green-houses till 12 M., and at his office in New York from 2 to 4 P. M.

How to Grow Plants. —It is impossible in the restricted space of a catalogue to give clear and intelligible instructions in plant growing, and to such as wish any information of that kind, we would refer them to Peter Henderson's new edition of "Gardening for Pleasure," which is the accepted authority on the subject. (See p. 1.)

Grouping. —We wish to call attention to our manner of grouping plants for special purposes, such as *Bedding Plants*, *Hardy Climbing Plants*, *Basket and Vase Plants*, *Hardy Plants and Shrubs*, *Small Fruits*, etc., etc. This arrangement will aid our customers in making their selections. We also call attention to our "Abridged List," where many of our best things will be found. See Index for pages on which the above are.

Mail Orders. —All orders will be sent free, by mail, at our regular catalogue prices; but we cannot afford to give purchasers by mail the benefit of the "Club Terms," "Cash Discounts" or "Plant Premiums." The reasons for this are that in "Mail Orders" we prepay all postage, and the actual cost of packing a mail order is double that of packing for express. No Plant order by mail will be accepted for a less amount than \$1.00.

How we Pack Plants. —The accompanying cut shows a basket of plants packed for express (as done from April until November). We have for years used these light baskets for sending out our plants by express, thus reducing the transportation charges to a minimum. The express companies handle so much of our goods that they take special care of all shipments bearing our card, so that we rarely have anything injured in transit. So certain are we that plants will arrive in good order, that

We Guarantee safe delivery of all Plants when sent by express; but all complaints, however, must be made at once on receipt of goods. We will not hold to our guarantee if, a month after, from inattention or other causes, Plants have failed, and complaint is then made. Plants sent other than by express are entirely at the risk of the purchaser.

No Charge is made for boxes, baskets or packing, and all goods are delivered at express or freight offices in New York City, free of charge. Our system of packing is so complete that we can now ship every day, no matter how cold or hot the weather may be, and rarely have a complaint. During cold weather we pack in closed cases secure from frost, and guarantee safe arrival. **IMPORTANT.** —We will pack seeds, plants and all other articles purchased from us in one package, if desired, thus saving expressage, time and annoyance to our customers, but particularly request customers to make out all orders for plants on the plant order sheet, and for seeds, etc., on the seed order sheet, as this will expedite the forwarding and filling, and be a material aid to us in executing all orders.

Plants Reserved. —To such of our customers as have not the proper facilities for keeping plants during winter and early spring, we would say that if they send their orders in as soon after the receipt of the catalogue as possible, notifying us what date they want them shipped, we will then set the plants aside and ship them at the time they are wanted, without any additional charge for thus reserving the plants.

LIBERAL INDUCEMENTS TO PURCHASERS.

Club Terms. —To purchasers of PLANTS from this Catalogue (except from low priced list) we offer the following reductions: For \$5.00 cash, plants from this Catalogue to the value of 5.60 may be selected.

" 7.00	" " " "	" 8.00	" " "
" 10.00	" " " "	" 12.00	" " "
" 15.00	" " " "	" 18.00	" " "
" 20.00	" " " "	" 24.00	" " "
" 25.00	" " " "	" 30.00	" " "
" 50.00	" " " "	" 65.00	" " "

These discounts do not apply to the Low rate collections, as the prices there are already as low as good stock can be sold for.

The above offers will still include our Book Premiums if the order is of sufficient amount as per conditions named on 2d page of cover.

Premiums on Orders. —In addition to our low prices and liberal "Club Terms," we will present our customers with the below-named rare and valuable plants as "Premiums" on the following liberal terms, if they are selected when the order is sent, not otherwise:

On all orders amounting to \$3.00, purchasers may select any 1 of the below-named premiums.	
" " " " 5.00, " " " " 2 " " " "	
" " " " 7.00, " " " " 3 " " " "	
" " " " 10.00, " " " " 5 " " " "	
" " " " 15.00, " " " " 8 " " " "	
" " " " 20.00, " " " " 11 " " " "	
" " " " 25.00, " " " " 13 " " " "	
" " " " 50.00, " " " " 30 " " " "	

THE LIST OF NOVELTIES, referred to above, are those named below:

Rose, Dinsmore.
Rose, Mrs. John Laing.
Rose, The Bride.
Rose, American Beauty.
Rose, Wm. F. Bennett.
Rose, Miniature.
Rose, Mme. de Watteville.

Rose, Papa Gontier.
Rose, Puritan.
Rose, C. de Frigneuse.
Abutilon, Golden Bells.
Antigonon Leptopus.
New Carnation, Dawn.
New Carnation, Portia.
New Carnation, Andalusia.

1 Bermuda Lily.
New Geranium, White Swan.
2 New Chrysanthemums.
2 New Hardy Carnations.
2 New Coleus.
1 New Cactus Dahlia.
2 New Fuchsias.
New Ivy Geranium.

Glechoma Hederacea.
2 New Hollyhocks.
Fringed Hydrangea.
2 New Double Petunias.
3 New Verbenas.
2 New Coleus.
Double Sunflower.

For full description of Novelties named above, see succeeding pages.

Cash Discount for Early Orders. —As it is a great advantage to us to make room before the rush of spring trade begins, so that we can refill our space before the selling season is over, we offer a cash discount of 10 per cent. from Catalogue prices on all cash orders for plants shipped by express before April 1st. Another advantage to customers receiving their plants early is that they get larger and finer plants, as orders are filled in rotation, the best plants being sent out first.

On page 100 find description and prices of the Roses shown on Colored Plate.

Roses, General Collection.

TEA AND MONTHLY OR EVER-BLOOMING ROSES.

This class of Roses are nearly all hardy south of Washington, and even in the Northern States they can be kept through the winter out-of-doors, if protected by a covering of three or four inches of dry leaves. This covering should not be put on until the end of November, as the slight frosts which we may have before that date will do no injury. The *Ever-blooming Roses* are deservedly the most popular, as their delicious fragrance, delicate tints of color, easy culture and wonderful profusion of bloom make the humblest garden beautiful. The soil for roses can scarcely be made too rich. The richer the soil, the larger the buds, and the more of them you will get. *Quality*.—Every plant we send out will do well with ordinary care, and our prices are the very lowest. *Size*.—Our smallest Roses are grown in 3-inch pots, and are far larger than those ordinarily sent out by the trade, which are usually from 2½-inch pots.

Although we do not offer as long a list of varieties of Roses as some, yet our stock in quality, condition and extent is unequalled, and we contend that our customers are safer in selecting from our list of *choice tested varieties* than if we offered a long list, which would of necessity contain many inferior sorts. See prices at end of list.

Andre Schwartz. Dark crimson.

Anna Olivier. Creamy blush, shaded with carmine; very large, full and fragrant.

American Banner. Striped crimson and white, 15 cts.

Alba Rosea. White tinged rose color, shaded blush; double and fragrant; very fine.

A. Christophe. Very large, full and double; color apricot, tinged and shaded with soft rosy crimson.

Adam. Bright carmine pink, large and full. This variety is used considerably for winter forcing.

Aurora. Buds rather small and pointed; color silvery rose, shaded; most abundant bloomer.

Aline Sisley. Large pointed bud; rich fragrance; color an unusual shade of violet red, brightened with crimson maroon.

Appoline. Dark pink; full and fragrant.

Beau Carmine. Light rose color.

Bougere. Very large and double; color beautiful dark pink; sweet fragrance.

Bella. Pure white; superior for summer flowering.

Bianqui. White shaded flesh color; a distinct, beautiful Rose, full and fragrant.

Bon Silene. This splendid old variety still holds its own against many of the newer sorts. It is equally valuable for summer or winter blooming; average size and exquisite tea scent; color brilliant carmine.

Anna M. Montravel. (See page 105.) 35 cts.

Bourbon Queen. A beautiful bedding summer rose; color clear satiny rose, shaded white.

Blanche Nabonnand. Creamy white, tinged yellow and rose.

Compte Bobinsky. Rich carmine; full.

Cramoise Superieure. Brilliant crimson.

C. de Coserta. White, tinged pink.

C. Koch. Light flesh color; very double; a vigorous grower and free bloomer.

Camoens. Peach color. 25 cts.

Canary. Beautiful light yellow; profuse bloomer.

Catherine Mermet. One of the most fashionable Roses for cut flowers; color clear rosy pink; very large pointed buds; full double and fragrant. (See special description, page 101.)

Cels. Pale rose color; good shaped buds; a clean, healthy grower.

Chas. Rovolli. One of our favorite varieties; color a beautiful carmine changing to silvery rose; base of petals clear yellow; an incessant bloomer, full and very fragrant.

Clement Nabonnand. Outer petals rosy lilac, inner ones golden yellow; free flowering and fragrant.

Comtesse Riza du Parc. A grand rose; vigorous; color bright coppery rose, shaded violet crimson.

Coquette de Lyon. Color clear canary yellow; delicious tea scent; flowers large and full; very free.

Cornelia Cook. Perhaps the finest white rose; flowers very large and double; pure white, with light lemon colored centre.

Devoniensis. No collection is complete without this superb variety; very full; a creamy white with pink centre.

Douglas. A true Bengal Rose; dark rich crimson in color; buds of good shape; very free flowering.

Duc de Cayes. White shaded yellow; an old variety of considerable merit.

Duchess de Brabant. An old variety; blooming in clusters; unexcelled by anything of its color, which is a soft, rosy flesh tint; flowers globular.

Duchess of Edinburgh. Intense dark crimson; very brilliant and beautiful; flowers large, fragrant and produced freely.

Etoile de Lyon. Golden yellow.

Fairy Rose. Flowers carmine, the size of a dime; blooms very profusely; distinct and pretty.

Freres Soupert et Notting. Yellow, tinged rose; full and fragrant.

Gen de Tartas. A fine bedding rose; brilliant carmine; shaded violet purple; double and fragrant.

Geo. Peabody. Splendid glowing crimson, changing to a scarlet shade; exquisite tea odor; medium size buds of good form and substance.

Goubalt. Bright rose color, tinted buff; tea fragrance.

Innocente Pirola. Flower white, large, full and double; finely shaped, long pointed buds.

Isabella Sprunt. Light canary yellow; largely used for winter blooming; buds medium size and good shape; very fragrant and free.

Jean Pernet. Creamy yellow, 25 cts.

Jules Finger. Full and finely formed; color bright rosy scarlet, shaded with intense crimson; very fragrant, vigorous and free.

Lady Warrender. Pure white; profuse and fragrant.

La Chamoise. Very handsome in the bud; color bright coppery yellow.

La Jonquille. Dark canary yellow; very distinct.

La Nuancee. Fine salmon rose, tinged copper color; sweet tea fragrance; very distinct.

La Pactole. A once favored forcing variety; it produces a great abundance of buds; color pale sulphur yellow; rich tea fragrance.

La Phoenix. Red, shaded crimson; free bloomer; flowers medium sized and double; delicious fragrance.

La Sylphide. Beautiful cream color, shaded rose; long pointed buds; a fine variety.

La Tulip. White, tinged rosy lilac; large and fragrant.

L'Elegant. Crimson, penciled white.

Le Nankin. Apricot yellow; fragrant and good form; very distinct in color.

Letty Coles. A grand summer rose; color soft rosy pink, intense crimson in the centre; globular. 20 cts.

Leveson Gower. Beautiful rosy salmon; fine form; sweet fragrance.

Louis Philippe. Dark rich crimson.

Lucullus. Dark crimson maroon; flowers very large and double; excellent for out-door culture.

M. Roda. Splendid; buds large and of a beautiful yellow shade; gives a great profusion of buds and flowers when planted out.

Marie Sisley. A superior rose; full and double; of true tea odor; exquisitely shaded with bright rose on a pale yellow ground.

Marie de Bau. Rich blush color, full and double.

Marie Ducher. Rich transparent salmon, with deeper colored centre; full double and sweet.

Marie Guillot. (See special description, page 103.)

Marshal Robert. Canary yellow, shaded rose.

Mme. A. Imbert. Large, full-formed double buds; strong tea fragrance; color rosy buff with peach-colored shadings.

Mme. Ched-Guinesseau. Dark golden yellow. 25 cts.

Mme. Cusin. Shell pink, shaded cream. 25 cts.

Mme. Remond. Sulphur yellow, margined red. 25 cts.

Melville. Bright pink, changing to silvery rose; good shaped buds, full and fragrant.

Mignonette. (See page 105.) 15 cts.

ROSES, GENERAL COLLECTION.—Continued.

- Miss Edith Gifford.** Ivory white, tinted flesh color. 25 cts.
Mme. Barthelemy Levet. A free-blooming, strong-growing variety; bright canary-colored flowers.
Mme. Bravy. Rich cream color with pinkish centre; full pointed buds; scented.
Mme. Camille. A splendid rose; immense double buds; delicate rosy flesh color, changing to salmon suffused with carmine; fine tea fragrance.
Mme. Capucine. This is used to some extent as a winter forcing variety; dark orange color, tinged apricot; a great bloomer, but weak grower.
Mme. Caroline Kuster. Beautiful light yellow, tinged with pink; full and sweet.
Mme. Dennis. Very full and double buds; white, with yellowish pink centre.
Mme. Devacourt. Bright canary yellow; deliciously perfumed; buds of good size and substance.
Mme. de Narbonne. Bright pink; profuse, full and fragrant.
Mme. de St. Joseph. Finely shaped, long pointed buds of a deep pink color; very fragrant.
Mme. Falcot. Fine apricot yellow, tinged buff; a very desirable rose; buds of good form and medium size, borne in great profusion.
Mme. H. Jamain. Beautifully cup-shaped flowers; white shaded yellow and pink; a fine variety and sweetly perfumed.
Mme. Lambard. Extra large and full, exquisite fragrance, beautiful rose color tinged salmon and buff, reverse of petals crimson.
Mme. M. Berthon. Pure white, tinged and shaded with lemon color; good form and rich fragrance.
Mme. Maurice. Delicate flesh color; very large and double; sweet tea scent; a splendid rose.
Mme. Rachel. Very double, and pure snow white; pointed buds of delicate fragrance; well adapted for house culture or outdoor planting.
Mme. Ristori. A good bedding variety; color, deep blush.
Mme. Welch. Large and double; apricot yellow, shaded canary color; strong habit, free flowering; an extra fine rose in every way.
Mme. Rivoy. Crimson scarlet.
Mme. de Vetry. Dark pink.
Miss Caroline. Rosy pink, shaded peach.
Mme. Angele Jacquier. Full and double; light blush.
Nemesis. Dark crimson.
Narcisse. Pale lemon yellow; free flowering; full and fragrant.
Nina. Pinkish rose, shaded silvery white; buds large and sweetly scented.
Niphetos. Pure white; one of the most valued winter flowering roses. 15 cts. (See special description, page 104.)
- Odorata.** Beautiful blush tint; exquisite tea fragrance.
Perfection de Monplaisir. Deep golden yellow; buds medium size and of fine shape; a fine rose for any purpose.
Perle des Jardins. (See colored plate.)
Pink Daily. An incessant blooming variety; color, clear bright pink; size, medium; very fragrant.
Pres. d'Olbecque. Bright purplish crimson; good shape and habit.
Queen of Bedders. Dark crimson. 25 cents.
Queen's Scarlet. Intense dark crimson, of the same style as Agrippina.
Red Malmaison. Dark crimson scarlet. 25 cents.
Red Safrano. Carmine; like Safrano in growth.
Rubens. Pale, lovely yellow, tinged with fawn color; very large and full; sweet fragrance.
Regulus. Crimson, pink and rose.
Roi de Cramoisse. Vivid scarlet crimson.
Safrano. This is the ideal Tea Rose; though one of the oldest, it is still grown in enormous quantities for winter cut flowers; buff color, tinted apricot yellow; exquisite fragrance and splendid bud.
Souv. de David. Rich, rosy crimson; finely shaped buds.
Souv. de Geo. Sand. A very desirable rose, with finely shaped double buds; color, carmine, shaded amber, streaked with crimson.
Souv. de Paul Neyron. White, beautifully tinged with clear golden yellow, edged clear rosy crimson; exquisite fragrance, and very profuse.
Souv. de la Malmaison. Rich flesh color, with rose centre; very double; when well grown, this is yet, perhaps, the finest rose in cultivation. 20 cts. (See Specialties in Roses, page 104.)
Souv. d'Un Ami. A splendid rose, which is now becoming prominent for winter flowering; buds full and double; clear, deep rose color. 15 cents. (See Specialties in Roses, page 104.)
Stella. Light yellow; full and sweet.
Sunset. (See colored plate.)
Sulphureaux. A deep sulphur yellow; fine in the bud.
Souv. de St. Pierre. Bright carmine; long, pointed buds. 25 cts.
Theresa Loth. Fine carmine red, with deep rose shading; full double and very sweet.
Vallee du Chamounix. Copper color, shaded citron red.
Viridiflora, or "Green Rose." Of no beauty; only grown as a curiosity; buds green in color; most useful to mix with other roses.

PRICES.

1st size,	50c. each, except where noted; full set, 120 varieties.	\$45.00
2d "	30c. " " " " " 120 "	30.00
3d "	10c. " " " " " 120 "	15.00

NOISETTE, or Climbing Monthlies.

- Caroline Manais.** Color white, and finely scented.
Claire Carnot. Orange yellow, with peach blossom centre.
Gloire de Dijon. A grand green-house climber; very large, perfectly double and tea scented; rich creamy amber. Extra large plants, \$3.00 each.
Jas. Sprunt, or "Climbing Agrippina;" deep cherry red.
Mme. Balbiano. Soft rosy blush; very sweet.
Mme. Berrard. Deep carmine, full and double.
Lamarque. Pure white, with lemon-colored centre.
Marshal Niel. (See page 104 for prices, etc.)
Mme. Trifle. Very large and double; buff color.
Caroline Goodrich. Vivid crimson.
W. A. Richardson. Dark copper color.
Reine Marie Henriette. Long pointed, dark crimson buds.
Setina. Pink.
Washington (White). Pure white flowers in clusters.

1st size,	75 cts. each, except where noted; \$7.50 per doz.
2d "	50 " " " " 4.50 "
3d "	30 " " " " 3.00 "

HARDY YELLOW ROSE,
Persian Yellow.

Dark golden yellow. The best variety of its color, entirely hardy. Fine large plants, \$1.50 each; 2d size, \$1.00 each.

PERPETUAL FLOWERING MOSS
ROSES.

This class of Moss Roses is quite different from the regular Mosses, which only bloom once. The perpetuals flower very freely in June, and some through the summer, with a profuse bloom again in the fall. Perfectly hardy and very desirable.

- Blanche Moreau.** Pure white; large and perfect form; densely covered with dark green moss.
Mousseline. White, tinted with rose. A very free continuous bloomer.
Perpetual White. White, blooming in clusters; very double and well mossed.
 \$1.00 each; set 3 for \$2.50.

BARONESS ROTHSCHILD.

This is one of the grandest of all hardy roses. Nothing can compare with the massive beauty of its flowers, which are five inches in diameter and an exquisite shade of satiny pink in color. The heavy foliage comes close up to the flowers, making a most effective background of green, thus giving the effect of a lovely bouquet rather than a single flower. It is perfectly hardy. The flowers of Baroness Rothschild frequently sell at from 25 cents to \$1.00 apiece in New York during the winter months.

1st size,	\$1.50	each;	\$15.00	per dozen.
2d	"	1.00	"	9.00 "
3d	"	.60	"	6.00 "

HARDY ROSE,

"Prince Camille de Rohan."

Almost identical with "Gen. Jacqueminot," except in color, which is of the darkest shade of velvety crimson maroon; the nearest approach to black of any Rose in our collection. Flowers of good size, full, and of exquisite fragrance.

Large plants,	\$1.00	each;	\$10.50	per dozen.
1st size,	60	cts. each;	\$6.00	per dozen.
2d	"	30	"	3.00 "

TRUE ENGLISH SWEET BRIAR.

Valuable for the refreshing fragrance of its leaves.
Price, 30 cts. each; \$3.00 per dozen.

Hybrid Perpetual Roses.

General Collection.

All Roses of this class are entirely hardy. We offer a select collection of fine tested varieties.

- A. K. Williams.** Carmine red, changing to magenta.
Alfred Colomb. Very large and globular; clear, bright cherry.
Alzora. Color, bright carmine; finely shaped double buds
Achille Gounod. Bright carmine; full and double.
Anna de Diesbach. Clear, bright rose; very large.
Auguste Mie. Clear, bright pink; large and finely cupped.
Baronne Provost. Beautiful, bright rose, shaded crimson
Cardinal Patrizzi. Brilliant scarlet; good habit.
Chas. Lefebvre. Brilliant crimson; deep purple centre.
Constantin Tretiakoff. Rosy crimson; large and sweet.
Coquette des Alpes. Cupped white, occasionally tinged with pink; free flowering and fragrant.
Coquette des Blanchés. A very profuse, continuous bloomer; white, sometimes tinged pink; double; fragrant.
Capt. Christy. Beautiful flesh color.
Cheshunt Hybrid. Violet carmine.
Dr. Lindley. Magnificent, dark, crimson maroon; extra fine.
Dr. Baillon. Dark purple, shaded crimson; sweet fragrance.
Duchesse de Vallombrosa. Flesh color, shaded rose.
Duke of Edinburgh. Dark, velvety, crimson maroon; fair size; full, regular form; handsome and scented.
Duke of Teck. Vivid, scarlet crimson.
Duplessis Morney. Bright crimson; fine form and fragrance.
Earl of Pembroke. Soft, velvety crimson.
Eugene Sue. Bright vermilion, changing to scarlet; fragrant.
Fisher Holmes. Finely shaped buds of intense dark crimson color; sweet fragrance; a grand rose.
Gen. Forney. Color, clear cherry red.
Gen. Washington. Dark vivid crimson.
Gen. Jacqueminot. (See cut and description.)
Gen. Lane. Dark rose color; fine form and substance.
Harrison Weir. Velvety crimson, enlivened with scarlet.
H. Schultheis. Delicate pinkish rose; full, double and sweet.
La Reine. Beautiful clear bright rose; very large.
Louis Carrique. Clear carmine; excellent habit; fine odor.
Magna Charta. Rich dark pink; strong grower.
Marquise de Ligneris. Bright rose; richly perfumed.
Mme. Alf. Carriere. Pure white.
Mme. Isaac Perrier. Full and double; brilliant crimson.
Mme. Marie Finger. Rich flesh color, shaded salmon.
Mme. Alfred Rougemont. Pure white, delicately shaded.
Mme. C. d'Islay. Bright rose blush; fragrant.
Mme. Laffay. Beautiful transparent rose; large.
Mme. Plantier. A perfectly hardy, pure white double rose.
Mount Carmel. Bright carmine; full and fragrant.
Mrs. Laxton. Rosy crimson; fine form.
Mrs. Reynolds. Very large flowers; color, bright carmine.
Mme. Marie Bianchi. White, crimson in centre.
Mme. P. Languier. Silvery pink; rich fragrance.
Perle des Blanchés. Pure white; very free flowering.
Paul Neyron. The flowers of this variety are the largest of any on our list, and globular; it is a strong grower; color a deep pink.
Pæonia. Sweetly fragrant; color, clear bright red.
Pres. Thiers. Flaming red; large sized flowers; full and globular.
Prince Camille de Rohan. (See special description.)
Princesse de Mathilde. Deep blush; good form and substance; double and perfumed.
Reine d'Angleterre. Fine bright rose.
Rev. H. Dombrain. Very dark crimson; free flowering and hardy.
Sir G. Wolsely. Bright red, shaded carmine.
Sydonie. Violet crimson.
Triomphe d'Alençon. Dark crimson rose.
Triomphe de Reims. Light rose color.
Victor Verdier. Brilliant rosy carmine, edged purple; extra large.
Xavier Olibo. Velvety black; delicious fragrance.

1st size,	50	cts. each;	\$4.50	per doz., except where noted.
2d	"	30	"	3.00 "
3d	"	15	"	1.50 "

Set 60 varieties,	1st size,	\$25.00.
"	60	" 15.00.
"	60	" 9.00.

The roses arrived yesterday in splendid condition. My wife is more than pleased; she did not expect to have such large roses for third size. Thanking you for the extra plants, I remain, yours very truly, J. R. DEVERELL, Marquette, Mich., August 30th, 1888.

NEW DWARF BOUVARDIA.

White Bouquet. An entirely novel and distinct variety of which we hold the entire stock, purchased from the raiser, Mr. Wm. Bock, North Cambridge, Mass. It is a sport from *B. Vreelandii*, having the same finely formed pure white truss of that variety. It is distinct in being *earlier in flowering*, but above all its great merit lies in its exceedingly dwarf and rounded habit, forming a bush which resembles a *white Bouquet*, the flowers nestling in the leaves, so that each individual truss forms a miniature white bouquet. For use as a pot-plant or to be grown on low front benches, its *dwarf, compact growth* makes it most valuable. (*See cut.*)
 Price, very large stock plants, \$2.00 each, \$21.00 per dozen.
 Young plants 30 cts. " 3.00 "

NEW SCARLET BOUVARDIA.

Prest. Cleveland. A "sport" from *B. Elegans*, and certainly the finest scarlet crimson variety yet introduced. It surpasses all other red varieties in richness of color, profusion of bloom and vigor of growth, while it is fully one-third larger in the truss and individual floret. It is in every respect a decided acquisition.
 Price, very large stock plants, \$1.50 each; \$15.00 per doz.
 Young plants, 25 cts. " 2.25 "

NEW CORAL BOUVARDIA.

Bockii. A beautiful shade of deep coral, the base of the petals and throat being clear white, producing a unique and novel effect. Like the preceding varieties, it is a strong, vigorous grower and most profuse bloomer.

Price, very large stock plants, \$1.50 each; \$15.00 per dozen.
 Young plants 25 cts. " 2.25 "

Set of three fine *New Bouvardias*, in very large stock plants, for \$4.50.

NEW YELLOW COLEUS.

Peter Henderson. This variety, raised by a Southern florist and named in our honor, will make a fitting companion to plant with the "Black Dwarf." (*See cut.*) In style of growth it is slightly stronger, attaining a height of nine inches, color bright golden yellow slightly margined with green. The leaves are deeply fringed and twisted, giving a graceful appearance to the plant.

Price, 25 cts. each; \$2.00 per dozen.

OTHER NEW COLEUS.

Russet Beauty. Russet brown, netted canary yellow; novel and distinct.

Variabilis. Splashed, striped and blotched with crimson, bronze, yellow, pink, green, etc., a veritable "Joseph's Coat."

Simoon. Deep lurid crimson; deeply cut and fringed.

Alhambra. Rosy carmine, edged with bronzy black; deeply serrated. 25 cts. each.

NEW DWARF COLEUS.

Black Dwarf. Entirely distinct from anything we have heretofore had. It grows exactly like the *Alternantheras*, attaining a height of only from 4 to 6 inches. Color rich glossy black. It is too dwarf in growth to be used with the ordinary Coleus, but wherever *Alternantheras*, *Alyssums* or other low-growing bedding plants are used in "Ribbon Lines" or "carpet bedding" this new Coleus can be used with novel effect. It will also make the best companion for the new yellow dwarf Coleus offered above, and will no doubt be used extensively as a "Mourning" plant in cemeteries.

Price, 25 cts. each; \$2.00 per dozen.

COLEUS, "BLACK DWARF."

Set of six new Coleus for \$1.25.

Double White Clematis.

The above sketch illustrates the *double white* form of the Clematis. Although by no means new, still we think it will prove a pleasant surprise to many of our customers who may be only familiar with the *single* form, which, elegant as it is, cannot compare with this variety. The flowers are snowy white, of the form shown in the engraving, and are deliciously fragrant. It is entirely hardy, of strong growth, and the flowers being double remain perfect a long time. Its chaste and elegant appearance will strongly recommend it for planting in cemetery plots, or in any place where a white, hardy climber is desired.

Price, 1st size, \$1.00 each; \$10.50 per dozen.

2d " 75 cts. " 7.50 "

For other varieties of Clematis see page 125.

MONTHLY CARNATIONS.

New and Choice Varieties.

No garden of flowering plants is complete without a collection of these. In the six varieties named and described, a type of which is shown by the illustration, we offer the best and most distinct of the sorts of recent introduction, being careful to select such as combine beauty of form, most distinct and brilliant colors, with vigor of growth, and free flowering qualities.

CARNATION, "L. L. LAMBORN."

L. L. Lamborn. This magnificent variety is the finest white introduced in many years; of the purest white, deeply fringed, having flowers measuring $2\frac{1}{2}$ ins. and over in diameter, never bursting the calyx. In profusion of bloom it is remarkable; plants of it in our grounds the past season were constantly covered with flowers. (See cut.)

Price, 50 cts. each; stock plants, \$1.00 each.

Mrs. Carnegie. Soft creamy white delicately penciled with rosy carmine,

beautifully fringed and very fragrant; remarkably graceful style of growth.

Stock plants, 75c. each; young plants, 25c.

Dawn. This is a very unique and beautiful variety. The color is rosy blush in the centre, gradually blending to pure white at the edge of the petals—almost an exact reproduction of the beautiful shading we are all familiar with in the Blush Malmaison Rose.

Stock plants, 75c. each; young plants, 25c.

Grace Fardon. Perhaps the finest pink Carnation; it is of the largest size, soft rosy pink, deeply fringed and delightfully fragrant.

Stock plants, 75c. each; young plants, 30c.

Anna Webb. Deep crimson maroon; flowers of the largest size, never bursting the calyx; very deep fringe; a strong, healthy grower; in every respect a Carnation of the first order.

50c. each; stock plants, \$1.00 each.

Portia. Brilliant scarlet. In richness of color, profusion of bloom, vigor of growth, and every essential of a first-class Carnation, this variety stands unequaled.

Stock plants, 75c. each; young plants, 25c. each.

Young plants, set of 6 for \$2.00.

Large stock plants, set of 6 for \$4.50.

NEW FRENCH CANNAS.

Each season confirms the high opinion formed of these when first introduced. The spikes somewhat resemble Gladiolus, but their much more brilliant colors show grandly against the tropical foliage: they bloom continually during the summer months. We had large beds of them at our green-houses the past season, which were the admiration of every visitor. Rarely exceeding 4 feet in height, and blooming without intermission from June until frost, it is an acknowledged fact, that their introduction marks a new era in sum-

NEW FRENCH CANNAS. (See next page.)

Your way of filling orders is very generous indeed, and I certainly appreciate it. Many thanks for your kindness.—Mrs. J. W. Black, Mobile, Ala., November 1st, 1887.

Whenever you have not the plants I order, anything you select will be all right.

mer planting. The flowers range in color from the deepest crimson to light yellow, some being beautifully mottled like the finest Orchids. They are entirely free from insects and diseases of every kind. The roots may be kept over from year to year like Dahlias or Gladiolus, or if so desired most of the kinds can be kept on growing and flowering through the winter.

Antoine Crozy. Flowers deep crimson, light green foliage.

Emile Leclerc. Flowers golden yellow, mottled crimson and scarlet, deep green foliage.

Admiral Courbet. Flowers light yellow, speckled and blotched with orange scarlet, light green foliage.

Edouard Andre. Deep carmine flowers, chocolate foliage.

Flamboyant. Flowers crimson lake shaded orange, deep metallic green foliage.

G. Couston. Flowers light primrose yellow, mottled bright orange.

J. Cardioux. Flowers brilliant cardinal red.

Louise Chretien. Flowers clear yellow, speckled and splashed with orange.

Mme. de Liabaud. A grand variety; flowers deep carmine lake, sea green foliage.

Mme. Just. Flowers apricot; upper petals shaded yellow, lower ones tinted orange.

Revol Massot. Flowers carmine red, lower petals blotched with golden yellow.

Ulrich Bruner. Flowers orange red, lower petals striped yellow, deep green foliage.

Gen. Boulanger. Introduced last season. The ground color is canary yellow, mottled and streaked with crimson and scarlet.

Price for any of the above varieties, \$1.00 each; set of 13 for \$10.50.

MIXED VARIETIES.

We have some of the "new French Cannas," in *mixed colors only* without names, which we can afford to sell much lower than the above. Price, 50 cts. each; \$4.50 per doz.

For the ornamental leaved varieties of *Cannas*, see page 125.

CANNA EHEMANI.

Entirely distinct from all other Cannas, its rich green, tropical foliage resembling the Musa or Banana. Its greatest merit, however, lies in the flowers, which are three inches long and two inches wide, of a glowing crimson color. They are produced in masses on the summit of whip-like stalks, with 25 or 30 flowers on each. After flowering in summer, the roots can be lifted and will bloom all winter in the house.

50 cts. each; \$4.50 per dozen.

CACTUS DAHLIAS.

CACTUS DAHLIAS.

3 Finest and Most Distinct Varieties.

CACTUS DAHLIA, "A. W. Tait."

(Ready April 15th.)

Entirely distinct from any other variety, color pure white, very double, and having the tips of the petals deeply serrated. Fine for cut flowers. This variety is shown on the top of the engraving. (See cut.) 75 cts. each; \$7.50 per dozen.

CACTUS DAHLIA, "Mrs. Hawkins."

(Ready April 15th.)

A beautiful variety, something between the Cactus and Show Dahlias in form; color, rich sulphur, shading off to the tips of the petals with light canary yellow. This variety is shown on the left side of the engraving. (See cut.)

50 cts. each; \$4.50 per dozen.

CACTUS DAHLIA, "Cochineal."

(Ready April 15th.)

Dark, dazzling crimson scarlet. The flowers are produced in the greatest profusion, covering the plants from the ground to the tips. Shown on the right side of the engraving. Price, 50 cts. each; \$4.50 per dozen. Or set of 3 described above for \$1.25.

PRIZE DAHLIAS.

The following varieties represent the pick of the finest collection in this country, and while not all new, they are all tested sorts and cannot fail to give the greatest satisfaction to purchasers. The descriptions show the great variety of color the set contains, while for size, brilliancy and profusion of bloom they cannot be excelled.

Bicolor. Dark lilac, striped carmine.

Duchess of Edinburgh. Clear yellow.

Dawn. Creamy white; very fine.

PRIZE DAHLIAS.—Continued.

Dr. Schweff. Maroon and white.
Fulgens Picta. Scarlet tipped white.
Fireball. Brilliant scarlet crimson.
Golden Bedder. Orange yellow.
John Thorpe. Lilac rose, very large.
Little Goldlight. Orange yellow, tipped crimson.
Marguerite. Deep rose; very free bloomer; small flower.
Mrs. Boyce. Fine large white.
Mrs. Stancomb. Creamy yellow, cherry tips.
Modoc. Rich crimson.
Modesty. Dark lilac.
Standard. Deep orange scarlet.

25 cts. each, except where noted; set 15, \$3.00.

For other varieties of Dahlias see page 126.

NEW DOUBLE WHITE IVY GERANIUM,

“Joan of Arc.” “This is one of the most beautiful plants that it has ever been our privilege to offer. The flowers are perfectly double, white as snow, and literally cover the plant when in full bloom. The foliage is extremely handsome, the dense, glossy green leaves making a most effective background for the great clusters of snow white flowers.” This was our description of last year, and another season’s trial makes us heartily endorse it. (See cut.)

40 cts. each; 3 for \$1.00; 12 for \$3.00.

DOUBLE GERANIUMS.

(Newer and Scarcer Sorts.)

Golden Dawn. In this variety we have combined all the qualities that enter into a Geranium of the first order. It is a strong, vigorous grower, profuse bloomer, finely formed trusses of the largest size, borne well above a luxuriant foliage. In color it stands unequaled, being an intense yellowish orange scarlet, though by no means yellow, yet the nearest approach to be found in the Geranium. (See cut, figure 1.) 50c. each; \$4.50 per doz.

White Swan (La Cygne). The flowers are clear white in color, never being tinged with pink either when grown in the house or planted out-doors. The individual florets are entirely double, resembling in miniature a double white Balsam flower. (See cut, figure 2.) Price, 30 cts. each; 4 for \$1.00; 12 for \$2.25.

Striped Vesuvius. This variety, although not new, is comparatively scarce, and when better known will be more appreciated, as its bright scarlet flowers striped with clear white give it a unique and interesting appearance. We will add, however, that like all plants bearing parti-colored flowers, it is liable to an occasional loss of either color, sometimes having striped and plain flowers on the same plant. (See cut, figure 3.) Price, 30 cts. each; \$3.00 per dozen.

Set of 3 splendid varieties shown in cut, \$1.00; 2 sets for \$1.75; 4 sets for \$3.00; 7 sets for \$5.00.

NEWER FUCHSIAS.

This beautiful collection contains some really good and distinct varieties, and we can recommend them either for market purposes or private collections.

Colossus. Light violet corolla, streaked with red; double.

Electra. Pure white corolla, bright red sepals; single.

Flora. Corolla deep mauve; scarlet sepals; double.

Gen. Lepasset. Violet corolla; crimson sepals; double.

Jeanne D'Arc. Very large and fine double white.

Le Negre. Corolla striped red and purple; double and dwarf.

Phenomenal. Dark plum color; crimson sepals; extra large.

Sylvanus. Dark red corolla; waxy scarlet sepals; double.

Spectabilis. Corolla violet purple; crimson sepals; double.

35 cts. each; set 9 for \$2.50.

NEW DOUBLE IVY GERANIUM, “JOAN OF ARC.”

I received your neat little basket of plants; just perfect, plants just grand; looking very nice at present. I am very much obliged to you for your promptness in filling the order. Hope I soon will be able to send you a larger order.—ELIZA ARCHISON, Baltimore, Md., April 23d, '88.

GLECHOMA HEDERACEA var.
(Nepeta Glechoma).

A variegated form of the common ground ivy, which is prettily marked with pure white on a bright green ground. It is hardy and of vigorous growth like the parent variety, but unlike it, the leaves of this form have a *refreshing fragrance* similar to mint. It will no doubt become one of our most useful plants for festooning work, such as drooping from hanging baskets, vases, fancy pots, etc., etc., its graceful, rapid growth rendering it unequalled for this purpose, while we have no doubt it will also be largely used in cemeteries to cover graves, as it is entirely hardy and we think more ornamental than almost anything in use for that purpose at present. (See cut.) Price, 30 cts. each; \$3.00 per doz.

NEWER DOUBLE GERANIUMS.

Out of the many newer varieties on trial, we have selected the following varieties as those which show a marked improvement over older sorts, discarding all others.

Gloire de Lorraine. Beautiful light pink, striped and marbled white.
Friant. Deep magenta rose, truss and florets extra large.
Les Hugenots. Delicate lavender pink; an entirely new shade.
Souv. de Portuzes. Rich violet crimson; entirely distinct.
Comte A. Knorr. Deep purplish red, shading to crimson.
Mercutio. Light cherry red; very free blooming.
Mlle. Lili. Delicate rosy blush, dwarf, compact grower; will be useful for planting on the edge of taller growing varieties.
Mme. Gulbert. Light rosy pink, very free blooming.
Mme. Zeller. Flaming scarlet; the brightest color we have yet had in double Geraniums.
Golden Dawn. (See cut and description, page 115.)
White Swan (La Cygne). " " "
Striped Vesuvius. " " "

Price, 40 cts. each; set of 12, including those shown in cut, \$4.00.

For other varieties of Geraniums see page 128.

NEW DOUBLE IVY-LEAVED GERANIUMS.

These are the grandest of all house plants, or for baskets or vases on verandas in the open air; they are of the easiest growth, and can be trained in one season on a trellis from two to six feet high and wide as desired, or can be grown to droop as shown in the engraving (see "*Joan of Arc*," page 115), being covered from January to October with a profusion of large trusses of double flowers, presenting nearly every shade to be found in Geraniums.

La Rosiere. A grand novelty. Plant of extra fine habit and very free blooming, bearing immense trusses of large, full and well formed flowers, of a rich, warm, salmon pink color; surpasses in beauty all the colored varieties.

M. de Lesseps. Very large trusses of large, perfectly formed flowers; color, a beautiful shade of magenta rose.

Abel Carriere. Large, fine, double flowers, of a beautiful currant red, tinted with dark violet. A variety of great merit.

De Brazza. Rosy salmon; distinct.

Horace Choisel. Flowers large, double, of a glowing salmon pink color, slightly tipped with white. Extra fine.

Mme. Thibaut. Very rich, deep rose color; the individual florets are two inches in diameter, and imbricated like a camellia.

La Printemps. Clear salmon; semi-double, very large truss.

Eden Marchii. Beautiful salmon pink, semi-double flowers averaging two inches in diameter.

40 cts. each; set of 9, including "*Joan of Arc*" (see cut, page 115), for \$3.00.

HELIANTHUS MULTIFLORUS, FL. PL.
"Double Dwarf Sunflower."

A double perennial "Sunflower." It is a great addition to our hardy herbaceous plants. Its dark, golden yellow color is both fashionable and beautiful for cut flowers; grows from 3 to 5 feet in height; never fails to flower the first season of planting. Do not be prejudiced against this plant because it is only a "sunflower." Give it a trial, and you will be surprised and delighted to find how beautiful it is—never needs to be replaced, as it is a hardy perennial, coming up every year. (See cut.)

Price, 25 cts. each; 5 for \$1.00.

"DOUBLE DWARF SUNFLOWER."

GLADIOLUS.

THE uses of the Gladiolus are well known.

All may be grown as single specimens, or in masses through clumps of

dwarf shrubbery on the lawn, or along carriage drives, and nothing can be more effective or attractive. As a cut-flower the Gladiolus has no equal for large vases, epergnes, etc., as they will keep well in water for several days, gradually expanding until every bud has opened.

Our collection in brilliancy and variety of color is unrivaled, embracing all shades of *pink, crimson, blush, yellow, garnet, amaranth, rosy pink, white, etc.* The low cost and the certainty of success with Gladiolus commend them to every one.

In view of the increased interest taken in this unequalled bulb for Summer Flowers, we have prepared a Gladiolus Catalogue, describing in detail our large and unsurpassed variety. In the list will be found offered for sale the very choicest American and French Hybrid Gladiolus that have appeared. The Gladiolus Catalogue is now ready, and will be sent free to any address on application.

Our Annual Exhibition of Gladiolus Flowers,

Held in August last, in our Seed Warehouse in New York, was attended by thousands, and created great interest and enthusiasm. The colors and markings in the Gladiolus cannot be described in words, they are so exquisitely grand. We exhibited many hundred kinds, the *cream* of which we offer in the different Collections named on this page.

GLADIOLUS BULBS (Choice Mixtures).

To those who simply wish a fine display of bloom without regard to names, we recommend our "special mixtures." They contain a fine assortment, and will give a blaze of color. Planted at intervals of two weeks, flowers may be had until frost. Our prices on these are very low.

Our "Superb Mixture".....	\$.50 per dozen; \$3.00 per 100.
Shades of white and light striped, 1.00	" 6.00
" yellow.....	1.00 " 6.00
" pink and variegated... .75	" 4.50
" red.....	.50 " 3.00

GLADIOLUS IN COLLECTIONS.

For the convenience of customers we have grouped together the following choice selections of Gladiolus, and we can say with safety that they contain the grandest varieties in cultivation. These varieties are the gems of the magnificent assortment which we exhibited last summer, and which transformed our Seed Stores into a perfect fairy-land of floral wonders. Sold thus in collections, we offer them at greatly reduced rates. (Order the collections by name.)

Rainbow Collection, containing 12 choice named varieties.....	for \$1.25
Exhibition " " 12 extra choice named varieties.....	" 2.00
Elberon " " 12 superb named varieties.....	" 2.50
Newport " " 12 new and rare varieties named.....	" 3.50
Starlight " " 12 distinct varieties unnamed.....	" 1.00
Surprise " " 12 choice mixtures unnamed.....	" .75
Bijou " " 12 extra choice seedling mixture unnamed.....	" 1.00
Henderson's Seedling Collection, 12 new and rare seedlings unnamed.....	" 2.00
Henderson's Named Collection, or "Best Dozen," see detail under "Henderson's Best Dozen".....	" 4.00
Or full set, 9 Collections, described above.....	" 15.00

"HENDERSON'S BEST DOZEN."

Carnation. Well expanded flowers of a fleshy-white color, profusely tinged at the edges with the richest carmine; lower petals blotched purplish carmine.

Chameleón. Compact truss of large slaty-lilac flowers, flamed orange, with white bands down the middle of each petal; large creamy white blotch, streaked violet.

Flamingo. Fiery red, blotch of rich purple; large spike of well arranged flowers.

Phebus. Brilliant red, with large pure white blotch.

Undine. White, tinted with lilac, small dark violet blotch, slightly flamed with lilac-carmine on the edges.

Duchess of Edinburgh. Slaty-lilac, white blotch, very large, well-formed spikes.

Gen. Logan. Fine scarlet streaked white, large pure white blotch on lower petals.

Africain. Dark slate on scarlet ground, streaked with scarlet and pure white.

Meyerbeer. Brilliant scarlet, flamed with vermilion, amaranth red blotch.

Hesperide. Blotched and flaked rosy salmon on a white ground.

Shakespeare. White, slightly suffused with carmine, large rosy blotch.

Martha Washington. Tall growing, branched, flowers clear yellow, lower petals tinged with rose.

Set of 12 (one bulb of each) for \$4.00.

The plants arrived in good condition, and this morning one would think they had been growing all winter in my own conservatory, so bright and fresh do they look, and so little do they show the effects of their long journey. Thank you very much for your generosity.—Mrs. D. DABACH, Hannibal, Mo., April 23d, 1888.

HENDERSON'S HOLLYHOCKS, "NEW DOUBLE STRAIN."

HENDERSON'S HOLLYHOCKS, "New Double Strain."

See Colored Specimens on front of Catalogue Cover.

We have given the above name to a grand collection of Hollyhocks which we have produced after years of careful selection. These varieties are remarkable for their perfect double flowers, large size, brilliancy and variety of colors. They are now much used in summer for cut flower work, particularly the **double white**.

Hollyhocks are among the finest permanent garden plants, as, being entirely hardy in most places and free growing, they make a grand display with little or no care. **Double blush; double white; double yellow; double dark maroon; double lilac; double pink; double lilac, white edge; double rose; double salmon; double crimson; double violet and double blackish crimson.** The varieties printed in heavy faced type are the varieties shown on front of Catalogue cover. All plants that we offer will flower this season.

Price, for flowering plants of any one color, 15 cts. each; \$1.50 doz.

1 plant each of the above 12 colors for \$1.50.

Double mixed varieties, \$1.00 per dozen.

HYDRANGEAS—In Variety.

Stellata Prolifera. One of the most quaintly beautiful of all the Hydrangeas. The flowers are deep pink mottled with white, are very deeply fringed, the centre of the truss being deep pink and a starry-like formation of buds and blossoms. 25c., 50c. and \$1.00 each, according to size.

Hydrangea Acuminata. Deep pink flowers; the stems are a deep brown, almost black.

Hydrangea Roueii. Pinkish lilac, occasionally changing to blue.

Hydrangea Aurea. A variety which frequently has a variegation of golden yellow on leaves; flowers rosy pink.

Hydrangea Japonica. Rosy lilac flowers, changing to light blue.

Hydrangea Ramanis Picta. Rosy carmine flowers, changing to blue, very handsome purple black stems.

Otaksa. A very desirable variety, producing immense panicles of large, rosy carmine flowers. It has the rare quality of blooming when very small, plants 6 inches high being frequently covered with flowers. Price, 25c., 50c. and \$1.00 each, according to size.

Thos. Hogg. A pure white variety, with trusses of flowers measuring 15 inches in diameter. The plants when full grown attain a height and width of six feet; perfectly hardy and is one of the finest plants for cemeteries. Price, 25 cts., 50 cts. and \$1.00 each, according to size.

Hortensis. The old favorite variety, pink flowers, changing to blue in soils containing iron. 20 cts., 40 cts. and 75 cts. each.

Rosea. This is certainly one of the finest of all Hydrangeas. It is equal to Thos. Hogg in freedom of growth and flowering qualities. The flowers are produced in large heads and are a distinct and rich rosy red. 25c., 50c. and \$1.00 each, according to size.

Price, 20c., 40c. and 75c., according to size, *except where noted.*

Set of 12 fine Hydrangeas, including *new double red and fringed white*, of which see cuts and special descriptions, page 119.

Set of 12, 1st size, \$10.00.

" 12, 2d " 5.00.

" 12, 3d " 3.00.

HIBISCUS CALIFORNICUS.

A scarce plant, as yet rarely seen in collections. Grows to a height of six feet, literally covered with large cup-shaped flowers from July to November. The flowers are pure white with deep carmine centre, four inches wide and deep. It is a perennial, and perfectly hardy south of Washington. It is easily raised from seed. (Plants ready April 1st.)

30 cts. each; \$3.00 per dozen; seeds, 15 cts. per packet.

HIBISCUS CALIFORNICUS

Your shipment of plants arrived here yesterday in very good order. It is certainly pleasant to deal with a house like yours. Your goods are invariably first-class, and in case of an accident I have always found that you very generously protect the interests of your customers.—R. W. A. WILDS, Birmingham, Ala., April 17th, 1888.

NEW DOUBLE RED HYDRANGEA. ($\frac{1}{2}$ Natural Size.)

THE JAPAN HYDRANGEAS

Are now, and deservedly, getting to be most fashionable plants, being hardy with but a slight protection of leaves in winter, in almost every Northern State. They form graceful bushes of 4 to 5 feet in height and diameter. Their immense trusses of flowers are of pure white, rich shades of pink—and when the soil contains iron, the pink changes to the most delicate shade of blue.

DOUBLE RED HYDRANGEA.

(*H. Stellata Rubra Plena.*)

A most novel and beautiful style of Hydrangea. The flowers, or more properly the bracts, are double, and similar in appearance to a Polyantha Rose. The engraving shows the form and shape of the truss, with an individual floret of natural size on the right hand side and a representation of a plant in miniature on the left. It attains a height and width of three to four feet, and when in bloom is covered with its rosy red double blossoms, which, owing to their double form, remain perfectly fresh much longer than the single ones. This is one of the most distinct and useful plants ever introduced and should be in every collection. Equally hardy as the other Japan sorts.

Price for large stock plants, \$3.00 each.

Strong plants from 4 inch pots, \$1.50 each; \$15.00 doz.

Fine	"	"	3	"	1.00	"	9.00
"	"	"	2	"	.50	"	5.00

NEW WHITE FRINGED HYDRANGEA.

(*Hydrangea Stellata Fimbriata.*)

The engraving given of this beautiful new Hydrangea fails to give anything like a full idea of what it is. The flowers are formed in immense trusses, sometimes nine inches in diameter; the bracts are of the purest white, fringed, having a crimson spot in the

The two new Hydrangeas, in large stock plants, for \$4.00.

"	"	4 inch pot	"	"	2.00.
"	"	3	"	"	1.25.
"	"	2	"	"	.75.

NEW WHITE FRINGED HYDRANGEA.

centre. This variety we find to be not only finer but harder than the old white Hydrangea, "Thos. Hogg," so that it will form an excellent and most appropriate plant for cemetery purposes. Plants attain a diameter and height of from 3 to 4 feet.

Price for large stock plants, \$2 each.

Fine plants in 4-inch pots, \$1.00 each; \$10.50 per doz.

Strong plants in 3-inch pots, 50 cts. each; \$4.50 per doz. In 2-inch pots, 30 cts. each; \$3.00 per doz.

The box of plants arrived here on Saturday morning in excellent order. The contents were a complete surprise to us. It is the cheapest and most satisfactory investment I ever made for our Sabbath School, and, if permitted, shall take pleasure in repeating it on every Easter Sunday.—WM. LAUDER, Riddleburgh Pa., April 3d, 1883.

SPECIMEN PLANT, DOUBLE PETUNIA, "CLYTIE."

DOUBLE WHITE PETUNIA,**"Mrs. G. Dawson Coleman."**

This is the finest double white Petunia ever raised. The flowers are of large size, perfectly double, elegantly fringed, and pure snow white in color. The habit of the plant is strong and handsome, and in every particular this variety is the ideal double Petunia. Very useful for summer cut flowers.

50 cts. each; \$5.00 per doz.

Set of 13 finest new double Petunias, including "Mrs. G. D. Coleman" (13 in all), for \$3.00.

NEW DOUBLE FRINGED PETUNIAS.

Once again are we able to offer a new set of Petunias, and in so doing we feel a justifiable pride in the part we have taken in the improvement of this valuable class of "florist's flowers." For years we have carefully selected and hybridized our Petunias, until we can justly claim superiority in size, color and markings over any others. Our collection of this year is unsurpassed, and is sure to give satisfaction.

Clytie. Deep rosy carmine, white and blush edges, fringed. (See cut.)

Elsie. Rosy pink, deeply fringed.

Frankie. Shell pink suffused with blush, elegantly fringed.

Lucille. Purplish magenta, tipped snow white, deeply fringed.

Mrs. Anna Smith. Bright carmine red, deeply fringed.

Miss Josie Crozier. Rich claret, edged white, fringed.

Nadja. Deep dark maroon, almost black, fringed.

Pascarel. Blush white, spotted with rosy purple, very unique.

Phyllis. Pure white, wine colored centre.

Thirza. Pearly white, deep rosy centre, fine large flower.

Wanda. Deep violet purple, fringed.

Yolande. Deep blush shading to white at the edges, carmine centre, fringed.

Price, 30 cts. each; \$3.00 per dozen.

NEW MAMMOTH VERBENAS.**(Seedlings of 1888.)**

Verbenas are now and have for years been one of our leading specialties. We have carefully selected and improved our stock of the mammoth Verbenas since we introduced them, and confidently offer our new varieties of this year as improvements on last year's set. Many of the sorts in richness of color and large white centre resemble *Auriculas*.

Corinne. Delicate shell pink, shading to soft rose, lemon centre.

Double Defiance. See cut and special description.

Flash. Intense scarlet, large truss and florets, yellow centre.

Invincible. Beautiful deep sky blue, clear pearly white centre.

Ideal. Rich deep violet, with large creamy white centre.

La Tosca. Reddish carmine, large white centre; one of the best.

Leola. Brilliant carmine lake, large straw colored centre, very fine.

Mastodon. Deep velvety crimson, strong, vigorous grower.

Marvel. Dark velvety maroon, clear white centre, immense truss.

Prodigy. Clear soft carmine, creamy white centre.

Purity. Pure white, vigorous grower and splendid bedder.

Radiant. Deep glowing red, with lemon colored centre.

Summit. Rich purple, clear white centre, strong grower.

Undine. Bright magenta, lemon centre, very large truss.

Zebra. White changing to flesh color, striped and splashed deep crimson.

Price, 30 cts. each; set of 15, including the *New Double*, for \$3.00.

For other varieties of Verbenas see page 132.

NEW DOUBLE VERBENA,**"Double Defiance."**

A glance at the accompanying illustration will show the *double* form of this new departure in *Verbenas*, which may become the progenitor of an entirely new class in this popular bedding plant. This would make *Verbenas* valuable for summer cut flowers, as the *double form* holds firmly together and imparts a *lasting* quality to the flowers, which the single varieties lack, and which has prevented their general use in summer bouquets and vases of flowers, where their brilliant colors and delicate fragrance would be a valuable addition.

The *Double Defiance* is a brilliant red deepening to rich crimson at the centre, trusses and florets good size; the plant is a clean and vigorous grower.

Price, 30 cts. each; \$3.00 per dozen.

NEW DOUBLE VERBENA, "DOUBLE DEFIANCE."

The plants shipped me by express arrived in perfect condition. They have been planted for one week, and all are growing finely. Not a single plant was injured or wilted en route. I think this somewhat remarkable for so long a shipment in the month of June.—J. H. C. Young, Yankton, Dak., June 16th, 1888.

OUR UNEQUALLED GENERAL COLLECTION OF STANDARD SORTS.

LOOK through this portion of the Catalogue very carefully, as it contains an immense assortment of tested **Standard Varieties** at extremely low prices.

ABUTILON, "GOLDEN BELLS."

NEW ABUTILON, "Golden Bells."

Very appropriately named, as a well-grown plant of this variety has the appearance of being hung with an abundance of glittering golden bells, making a fine contrast against the rich green leaves. It is a strong, handsome grower; the flowers are bell shaped, of a rich golden yellow. It blooms continually during the entire summer months, and, if desired, will bloom equally well in the sitting-room or green-house in winter.

Price, 30 cts. each; \$3.00 per dozen.

ABUTILON, or Chinese Bell Flower.

Flowering shrubs growing from two to six feet in height; flowers pendulous; bell shaped; blooming in abundance during the entire season; now much used for flowering in winter. We offer a collection of 20 sorts, embracing white, crimson, pink, rose, yellow, orange, variegated, etc. Also the double flowered and trailing sorts. Price, 10 cts. each; set of 20 sorts, including "Golden Bells," for \$2.00.

AZALEA MOLLIS.

This is a comparatively scarce though one of our most beautiful *hardy shrubs*; the colors run through all shades of orange, carmine, crimson, yellow, etc., etc. They grow to a width and height of from 3 to 4 feet, and from their rich and novel colors, form a distinct and pleasing feature of the flower grounds or shrubbery, flowering in early summer. Price, \$1.50 each.

NEW IMPORTATION OF AZALEAS.

We imported last fall a very fine lot of Azaleas, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink, orange and rose color. The plants are all shapely specimens, well "headed"—double and single flowered.

1st size,	\$1.50	each;	set 20 varieties for	\$25.00.
2d	.75	"	20	" 12.00.
3d	.40	"	20	" 6.00.

AGAPANTHUS UMBELLATUS (The Blue African Lily).

This is a splendid plant, both for decoration outside, and in the green-house. Foliage large and graceful. The clusters of 20 to 30 bright blue flowers are produced on flower stalks about 3 feet high—the flowers opening in succession for a long period during the summer. They are noble ornaments on lawns, terraces or piazzas.

Strong plants, 50c. each; \$4.50 per doz.

AGAPANTHUS.

ALYSSUM,

"Double Tom Thumb."

The Single Tom Thumb Alyssum, which we were the first to introduce several years ago, has proved to be the best of all Alyssums for either ribbon lines or pot plants. This new variety has the same dwarf habit as the Single, but its trusses are much longer and the florets double. The double flowers hold on so long that the plant is always in bloom, and never has that ragged and unattractive appearance that the old varieties have when out of flower. (See cut.)

20 cts. each; \$2.00 per dozen.

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ETER HENDERSON & CO

"DOUBLE TOM THUMB."

We can also furnish *Single Tom Thumb, Colossus, Variegated Alyssum, and Sweet Alyssum.*

10 cts. each; \$1.00 per dozen.

NEW AMARYLLIS,**"Empress of India" and "Brilliant."**

Two of the finest varieties ever introduced.

Empress of India. Colors scarlet, orange and white.

Brilliant. Colors crimson, scarlet, white throat, superb.

These two varieties were sold in England a few years ago at three pounds sterling per pair, or \$15.00. We had them grown in Jamaica, West Indies, where they propagate rapidly, and are now able to offer them at \$1.00 each, or \$1.50 per pair, in strong flowering roots.

AMARYLLIS.

AMARYLLIS.

Equestris (Barbadoes Lily). A profuse flowering variety; flowers red, with white centre. 25 cts. each.

Atamasco (Zephyranthes), rosy white, free blooming. 15 cts. each; \$1.50 per doz.

Formosissima (Jacobean Lily), dark scarlet, free blooming. Splendid for pot culture, and can be grown in water like Hyacinths; flowers in summer, if kept dry during winter. 50 cts. each; \$4.00 per dozen.

Pancratium Coronarium (Spider Lily). One of the best of this interesting family. Flowers pure white and deliciously fragrant, frequently measuring nine inches across the top. 30 cts. each; \$3.00 per dozen. Set of 6 grand varieties for \$2.50.

ANTIGONON LEPTOPUS.

A very beautiful climbing plant from Central Mexico, covered with rich, dark, peach-colored flowers, or rather bracts, from August till January; flowers in racemes from 2 to 3 feet long.

Suitable for either greenhouse or parlor. Hardy at the South, where it is one of the finest of all climbing plants.

Price, 30 cts. each; \$3.00 per dozen.

ANTIGONON LEPTOPUS.

AGERATUM.

"Cope's Gem." Best dwarf blue.

"Mayflower." Very dwarf dark blue.

"White Cap." Best dwarf white, splendid for cemetery decoration.

10 cts. each; \$1.00 per dozen; \$6.00 per 100.

DOUBLE GOLDEN MARGUERITE.
(*Anthemis Coronaria*, fl. pl.)

The engraving gives a fair idea of this most beautiful plant. Nothing could be more showy, either as a pot plant or bedded out. This plant might well be called the "Shower of Gold," as it is a perfect mass of rich, golden yellow flowers the whole year round, well-grown plants having as many as 150 flowers on them at once. 30 cts. each; 4 for \$1.00; 9 for \$2.00; 12 for \$2.50.

BOUVARDIAS—In Variety.

These are among the important plants cultivated for flowers, owing to the yearly increasing variety of color and their excellent adaptation for that purpose. Some of them are very effective as bedding plants for the flower garden, beginning to bloom in August and continuing until frost. (For new varieties, see page 112.)

Double Pink. New. Like a miniature Tuberose. 30c.

Double White. New. Same, but pure white. 30c.

Humboldtii. Large white; fragrant.

Flavescens. Rich yellow.

Davidsoni. White; fine form.

Brunetti. Light blush.

Vulcan. Single scarlet.

Bride. Beautiful deep pink. 50c. each.

Sang Lorraine. Brilliant double scarlet. \$1.00 each.

Multiflora Rosea. Bright rosy pink; large truss. 50c. each.

Dazzler. Light scarlet, very attractive.

15c. each; \$1.50 per dozen, except where noted.

Set of 11 sorts for \$3.00.

BEGONIA REX,
Ornamental Leaved.

Grown for the beauty of the foliage. The leaves are large, variegated and covered with a peculiar, silvery, metallic gloss. Are mainly used for pot plants, or in Wardian cases, ferneries, etc.; but do finely in shaded places in summer out-of-doors. 30 cts. each; \$3.00 per dozen.

BASKET AND VASE PLANTS.

We make a specialty of supplying plants suitable for hanging baskets, vases, window boxes, etc., etc., and as we grow them in enormous quantities, we can compete with any one in the matter of prices. We name on the following page a few of the plants generally used for these purposes.

Centre Plants for Baskets or Vases.

Palms.	\$1.00 to \$5.00 each.	(See page 130.)
Dracenas.	50 cts. to \$1.50	" "
Pandanus.	50 cts. to \$5.00	" "
Crotons.	50 cts. to \$1.50	" "
Rubber Plants.	\$1.00 to \$2.00 each.	" "
Ferns.	25 cts. to 50 cts.	" "

Drooping Plants.

English Ivy.	15 cts. each; \$1.50 per doz.
Nasturtiums.	10 " 1.00 "
Passifloras.	15 " 1.50 "
Ivy Geraniums.	10 cts. each; \$1.00 per doz.
Vincas (Trailing sorts).	15 cts. each; \$1.50 per doz.
Mesembryanthemums.	10 cts. each; \$1.00 per doz.
German Ivy.	10 cts. each; \$1.00 per doz.
Lysimachia.	10 " \$1.50 "

We will furnish a centre plant, drooping plants and a general assortment of suitable flowering plants, sufficient to fill the various sizes of baskets, vases, etc., *our selection only*, at the following rates:

12 inches in diameter.....	\$1.25
15 " ".....	2.00
18 " ".....	2.50
24 " ".....	4.00

Prices for larger or smaller sizes at the same average rates for size. All plants to be of our selection.

BEGONIA ALBA PICTA.

BEGONIA ALBA PICTA.

A perfectly distinct new variety. It is shrubby in habit, and of compact growth, having long, slender pointed leaves on short stems. The leaves are glossy green, thickly spotted with silvery white, the spots graduating in size from the centre toward the margin. Foliage small and elegant. The branches are upright and gracefully curving. (See cut.) Price, 75c. each.

Alba. Same as "Rubra" in habit, but with white flowers.

Fuchsoides Alba. Flowers pure white.

Hybrida Multiflora. Small leaves; rosy pink flowers.

Saundersonii. Small waxy foliage, bright red flowers.

Weltoniensis. Deep green, graceful foliage, bright pink flowers.

Ingramii. Rose color.

Rubra. Dark coral color; splendid. 30c.

Metallica. Crimson and maroon foliage. 30c.

Atropurpurea. Rich chocolate colored foliage. 30c.

Brunati. Similar to Metallica, but leaves more pointed. 30c.

Semperflorens Alba. Pure white; very profuse.

Washingtoniana. Strong upright grower; large panicles of white flowers. 50c.

15 cts. each; \$1.50 per dozen, except where noted.

Set of 13 sorts for \$2.75.

BEGONIA, Flowering.

Plants adapting themselves to a variety of uses; are used for planting in the garden for summer decoration, or as pot plants, for cut flowers in winter; they are very easily grown, but require heat—an average of 65 degrees at night during winter is necessary. The flowers are beautiful, mostly drooping in graceful panicles of various colors, as given below. They are largely used in the construction of bouquets, etc., by florists.

BEGONIA, TUBEROUS ROOTED.

BEGONIA, Tuberous Rooted.

A comparatively new section of this beautiful tribe; flowers ranging through all the shades of crimson, scarlet, rose, orange, etc., double and single. They require the same treatment as the fancy leaved Caladiums, Gloxinias, etc.; that is, the tubers are dried off in winter and started again in spring. Excellent for bedding purposes, as they bloom the entire summer season until frost. 30 cts. each; 4 for \$1.00; 12 for \$2.50. (See cut.)

BEDDING PLANTS.

The below named are all well-known tested varieties of the leading plants that are used for "Carpet bedding," "massing," "ribbon-line" planting or general bedding. We grow immense quantities of this class of stock, and we are in a position to execute the largest orders in a prompt, satisfactory manner, and at the lowest rates. Parties desiring large quantities will do well to write us, and we will make special prices.

	Per 100.
Alternanthera (Parychoides Major). The "Rainbow Plant".	\$6.00
" Aurea Nana. The finest yellow	6.00
Ageratum. Best blue	6.00
" "White Cap." Best white	6.00
" "Cope's Gem"	6.00
Achyranthus. Crimson, yellow, etc.	6.00
Caladium Esculentum. Large foliage	\$12.00, \$25.00 and 50.00
Cannas. Large, tropical foliage; light and dark	10.00
Coleus, Verschaffelti. Crimson	6.00
" Golden Bedder. Yellow	6.00
" Hero. Black	6.00
" Kirkpatrick. Yellow and green	6.00
" "Black Dwarf." See page 112.	12.00
Echeveria, Extensa Globosa	16.00
Echeveria, Secunda, Californica, Rosacea, Retusa, etc.	9.00
Geranium, Gen. Grant. Best single scarlet	9.00
" Dbl. Gen. Grant. Best double scarlet	9.00
" Naomi. Best double pink	9.00
" Queen Olga. Best single pink	9.00
" Cand. Plena. Best double white	9.00
" Albion. Best single white	9.00
" Mt. Snow. Best silver-leaved	9.00
Lobelias. Best dwarf; blue	4.00
Pansies. Finest mixed	4.00
Petunias. "double	10.00
" "single	5.00
Salvias. Scarlet, white, maroon and striped	6.00
Verbenas. Scarlet, white, blue, pink, etc.	4.00
Centaurea Candida and Gymnocarpa. (White-leaved)	8.00

Yesterday morning the basket of plants arrived; were opened and placed in pots. This morning they look as fresh as though they had never been removed. They arrived in fine condition, evidently having been packed with great care by an experienced hand.—THOMAS BRUGES, Kingston, Can., April 20th, 1885.

be planted out with safety at any time in the Northern States from April to June, or in the Southern States from January to May.

VARIETIES OF CLEMATIS.

Alexandria. Pale reddish violet; free blooming.
Gipsy Queen. Rich, dark, bright velvety purple.
Languinosa Candida. Large white, tinted lilac.
Star of India. Reddish violet purple, with red bars; distinct.
Jackmani. (See cut and special description above.)
Henryii. (See cut and special description.)
Crispa, "Blue Bells." (See special description.) 30 cents.
Lawsoniana. Rosy purple; darker veined; distinct, very large.
Md. Van Houtte. Pure white; extra fine.
Md. Granger. Beautiful light mauve, shaded purple.
Robert Hanbury. Bluish lilac, flushed at the edge with red.
Sir Garnet Wolseley. Pale blue, a bar of plum red on each petal.
Jackmani Alba. Grayish white.
Lady Bovil. Light grayish blue.
Lady Londesboro. Silvery gray, pale bars.
Viticella Rubra. Bright claret red.
Flammula. (Virgin's Bower.) White, fragrant. 30 cents.
Coccinea. (See special description.)

Price, 1st size, 75 cents each, except where noted. Set of 18 sorts for \$12.00. 2d size, 60 cents each, except where noted. Set of 18 sorts for \$9.00.

CLEMATIS HENRYII.

The sketch below was taken from nature, of a plant growing in our grounds, trained on a wire fence; and, while it shows its habit and general appearance, it conveys no adequate idea of the large, white, waxy flowers which cover the entire plant. This variety is a much stronger grower than most of the other varieties, and is *entirely hardy*. Excellent for cemeteries, or wherever a hardy climber is desired. (See cut.)

Large, strong plants,	\$1.00 each;	\$9.00 per dozen.
2d size.....	.75 "	7.50 "
3d ".....	.50 "	5.00 "

CLEMATIS HENRYII.

CLEMATIS JACKMANI.

CLEMATIS JACKMANI.

The best known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color dark rich royal purple. It is the variety shown in the engraving above, which gives a fair idea of this superb Clematis.

1st size, 75 cts. each;	\$7.50 per dozen.
2d " 50 "	4.50 "

CLEMATIS CRISPA, "American Blue Bells."

Although a native of the Southern States, it is *entirely hardy*. Like all the other Clematis it is a rapid climber and profuse bloomer. The flowers are bell-shaped, purplish blue, and emit a rich fragrance—a quality wanting in all the other Clematis, except the white *C. Flammula*.

Price, 30 cts. each; \$3.00 per dozen.

CLEMATIS COCCINEA.

Bright scarlet has been a color hitherto unknown in Clematis, but in this sort we have that color which, when placed in contrast with the blue, purple and white kinds, has a most striking effect. It is equally hardy as the other well known sorts.

25 cts. each; 5 for \$1.00; 12 for \$2.25.

CLEMATIS FLAMMULA, "Fragrant Virgin's Bower."

This is an old and well-known species, entirely distinct from the above; flowers pure white, deliciously fragrant. The plants attain a height of twenty feet, and when trained on trellis work, and in full bloom, look like a mass of snow. The odor is perceptible at a distance of 200 yards. Hardy.

30 cents each; \$3.00 per dozen.

The plants arrived safely in the middle of a snow storm. With faith in your packing, I left them unopened until the weather was less severe, and found them in admirable condition, every plant fresh and vigorous as if just out of the green-house. Thanks for extra plants.—B. J. SHEALOCK, Syracuse, N. Y., April 23d, 1888.

HARDY GARDEN CARNATIONS.

We offer a collection of these embracing all shades, and desirable in all respects, though not equal to the Victoria strain. Price, 10 cts. each; \$1.00 per dozen.

CANNA INDICA.

Plants used largely in sub-tropical gardening, for the grand effect which their rich and varied colored leaves produce. They combine the most striking tropical foliage, with flowers many of them equal to Gladiolus.

- Discolor Violacea.** Very dark chocolate foliage.
Marechal Vaillante. Foliage light bronze; flowers orange.
Compacta. Pea green foliage; flowers canary yellow.
Nigricans. Dark foliage; brick red flowers.
Creole. A very fine dark variety; 6 feet high.
Excelsa Zebrina. Dark foliage; flowers salmon.
Erin. Foliage green; orange and scarlet flowers. 4 feet high.
Oriole. Deep green foliage; flowers deep orange color. 6 feet.
Excelsa Nana. Very dark foliage. 5 feet high.
Brenningsi. Foliage deep green, striped white; flowers rose.
Pius IX. Flowers yellow and crimson.
Ehemani. Rich chocolate color; extra fine. 30 cts. (See page 113.)
Luke Blackburn. Rich chocolate; flowers red. 30 cts.
Auguste Ternier. Green foliage, dark stalks and leaf stems; orange scarlet flowers.
Discolor Violacea. Dark green leaves, edged with chocolate; a very ornamental variety, red flowers.

15 cts. each; \$1.50 per dozen, except where noted.

Full set of 15 for \$2.00.

(For new Dwarf Ever-blooming Varieties, see page 113.)

CALADIUM ESCULENTUM.

A tropical plant of the well known family of Caladium, growing to a height of three or four feet, with corresponding breadth. The leaves are of immense size, often eighteen inches by two feet. As a single plant for lawns or large flower borders it has no superior. Commonly called "Elephant's Ears."

1st size bulbs, 50 cts. each; \$4.50 per dozen.

2d " " 30 " " 3.00 "

3d " " 15 " " 1.50 "

Extra size bulbs, \$1.00 each.

FANCY CALADIUMS.

Large quantities of these are now used for summer and fall decoration, and nothing can equal the variety and gorgeous coloring of these ornamental leaved plants when grown on verandas or situations partially shaded. They are easily grown, thriving in pots or boxes in the house or in shaded situations out-of-doors. The bulbs should be dried off in October, and kept in a warm dry place during the winter. They should be started into growth about May 1st.

50 cts. each; set 12 finest varieties for \$4.50.

COBEA SCANDENS.

A beautiful climbing plant of rapid growth, attaining a height of twenty feet in a single season, either in or out of doors. Flowers bell-shaped and purple in color.

20 cts. each; \$2.00 per dozen.

CROTONS.

Plants which, from their beautiful leaf variegation, demand a place in every collection of hot-house plants, or for summer bedding.

Set 20 fine varieties:

1st size, \$1.00 each; \$15.00 per set.

2d " .50 " 7.50 "

FANCY COLEUS.

Our stock of Fancy Coleus is unsurpassed; many of the finest varieties in cultivation originated with us, and we aim to keep only such varieties as will give satisfactory results.

12 distinct varieties, 10c. each; \$1.00 per doz.

For varieties specially adapted to bedding in larger quantities, see Bedding Plants on page 123. New varieties on page 112.

BUNCH OF MONTHLY CARNATIONS. (½ natural size.)

SIX CHOICE CARNATIONS.

The above cut, which is half natural size, represents six of the most distinct of this beautiful class.

Andalusia. Everything considered, this is perhaps the finest yellow carnation. The flower is exquisitely fringed, as shown in the cut. Color light canary yellow; rich spicy fragrance. Price, 50 cts. each; \$4.50 per dozen.

Grace Wilder. Color a rich soft salmon pink, very pleasing to the eye. This variety is largely grown for cut flowers in winter and always commands a high price; clove fragrance. Price, 35 cts. each; \$3.00 per dozen.

Hintze's White. The flowers are large and symmetrical, and are produced in great profusion on long stems. Pure white. Price, 20 cts. each; \$2.00 per dozen.

Black Knight. Is the finest of all the dark Carnations and is such a deep shade of crimson maroon that it appears almost black. Flowers deliciously scented. Price, 35 cts. each; \$3.50 per doz.

Gen. Garfield. When the finest scarlet Carnation is wanted we recommend this variety. Price, 20 cts. each; \$2.00 per dozen.

Sunrise. This is one of the best striped varieties. The flowers are rich terra-cotta color, striped with crimson, rich clove fragrance. Price, 20 cts. each; \$2.50 per dozen.

SPECIAL OFFER. "Bunch of Carnations." One full set, 6 varieties illustrated and described above, for \$1.50; 2 sets (12 plants) for \$2.50; 3 sets (18 plants) for \$3.00; 6 large stock plants of the above for \$4.50.

CARNATIONS.—General Collection.

The varieties we name are among the finest of this beautiful class, and of nearly every shade and marking, most of them of rich clove fragrance. This class of Carnations is entirely hardy in all places where the thermometer does not fall below zero. We have cut out from our list all inferior kinds, and only offer such as are really the finest. (See next page.)

CARNATIONS.—Continued.

Robert Craig. Brilliant scarlet.
 Snowdon. Pure white, dwarf and profuse.
 Chester Pride. Creamy white, penciled scarlet.
 Buttercup. Golden yellow, extra fine. 35 cts.
 E. G. Hill. Intense scarlet crimson. 35 cts.
 Hinsdale. Light pink, marbled white.
 Garfield. Crimson scarlet.
 Buttercup. Golden yellow. 50 cts.
 Philadelphia. Bright scarlet.
 King of Crimsoms. Dark crimson.
 Lydia. Yellow and orange.
 Grace Wilder. Exquisite delicate pink. 35 cts.
 Hintze's White. Pure white; very large; fringed.
 Scarlet Gem. Scarlet, finely fringed.
 Century. Brilliant carmine.
 Black Knight. Maroon. 35 cts.
 Andalusia. Canary yellow. 50 cts.
 Sunrise. Orange and crimson.

20 cts. each, except where noted; \$2.00 per dozen; set of 18 varieties for \$4.00.

We have a limited number of large plants of the above to offer at 50 cts. each.

VICTORIA HARDY GARDEN CARNATIONS.

The engraving shows an individual flower and part of a bed of these unequalled varieties as they grow. They embrace nearly all the colors, are elegantly fringed and have delicious clove fragrance. Every color known in Carnations is represented—white, crimson, scarlet, orange, maroon, yellow, striped, speckled, etc., being nearly all large and full double varieties; no flower is so valuable for summer bouquets. In almost all sections these Carnations will prove hardy and make fine flowering plants for years. Price, 20 cts. each; \$2.00 per dozen. Strong, healthy plants.

CAMELLIA JAPONICA.

CAMELLIA. ($\frac{1}{2}$ natural size.)

We have some splendid plants of Camellias in six choice sorts, the pick of a prize European collection, embracing *Double White*, *Double Red*, *Double Pink*, *Double Variegated*, *Double Crimson* and *Double Buff*. Plants all in bud, 2 to 3 feet high.

Price, \$2.00 each.

Set of six sorts for \$10.00.

FANCY DAHLIAS. ($\frac{1}{2}$ natural size.)

TWELVE BEST DOUBLE LARGE-FLOWERING DAHLIAS.

There are so many fine varieties of Dahlias that we find it difficult to decide on the "12 best," in both the large and small flowering sections. We have many excellent sorts besides those named, but taken as a set this selection can hardly be improved upon.

Boabdil. Large blood red.
 Black Knight. Crimson maroon.
 Dandy. White speckled carmine.
 Flora. Bright magenta pink.
 Hector. Cherry red.
 La Phare. Brilliant scarlet.
 Oriole. Rich golden yellow.
 Ovid. Rich royal purple.
 Topsy. Buff tinted lilac.
 Saragossa. Straw color.
 Vesta. Pure white; very fine.
 Puritan. Pure white.

15 cts. each; set 12 for \$1.50.

TWELVE BEST DOUBLE BOUQUET DAHLIAS.

Amorette. Deep crimson.
 Black Dwarf. Maroon.
 Ben Butler. Crimson maroon.
 Bredowillard. Golden yellow.
 Dr. Stein. Crimson and pink.
 Exquisite. Orange, scarlet edge.

Little Valentine. Rich scarlet.
 Lurline. Amber yellow.
 Mary. Scarlet.
 Marguerite. Magenta pink.
 German Boy. Salmon red.
 Snowflake. Pure white.

15 cts. each; set 12 for \$1.50.

Set of 24 kinds, large and small flowering, for \$3.00.

For never varieties of Dahlias, see page 114.

The Dahlias, already in full leaf, arrived in an exceedingly fresh condition, and when put in the garden never wilted in the least. When I have need of floral goods I shall deal with your house, and I recommend you to all who desire lovely flowers.—NATHAN G. DAGGETT, Schenectady, N. Y., June 11th, 1888.

BEST SINGLE-FLOWERING DAHLIAS.

- Amaranth.** Violet purple.
Butterfly. A beautiful shade of pink.
Ballot. Deep carmine; large and showy.
Cynthia. Orange and bronze.
Corsage. Intense bright scarlet; very fine.
White Queen. Pure white with yellow disc.
Mulberry. Violet crimson, yellow disc.
Pearl. Straw color.
Sandusky. Orange; immense size; very distinct disc.
Mandolina. Clear, dazzling scarlet.
Picta Formosissima. Dark brick red, striped yellow.
Old Gold. Yellow.
Vicarage. Bright vermilion.
- 20c. each; set 13 for \$2.00, or full set 38, double and single, for \$5.00.

DOUBLE FUCHSIA, "SNOW FAIRY."

FUCHSIAS.—General Collection.

We name below the very finest of the old and new varieties, embracing all the various shades of color to be found in this popular class of plants. The letter *D* or *S* placed after each variety indicates whether it has a double or single corolla.

- Beacon.** Corolla deep carmine; sepals scarlet; *S*.
Beauty of Swanley. Sepals white; corolla deep rose; *S*.
Lord Macaulay. Corolla dark purple; sepals red; *S*.
Mrs. Geo. Rundle. Orange salmon; very large; *S*.
Black Prince. Sepals carmine; corolla dark purple; *S*.
Earl of Beaconsfield. Corolla very large; orange scarlet; *S*.
Elm City. Large; globular; crimson scarlet; *D*.
Genius. Violet corolla; sepals crimson; *D*.
Mrs. Marshall. Corolla carmine; sepals white; *S*.
Prince Napoleon. Corolla purple; sepals waxy crimson; *D*.
Snow Fairy. Sepals scarlet rose; double white corolla. (*See cut.*) *D*.
Striped Banner. Corolla striped purple and rose; *D*.
Theresa. Corolla ruby; sepals creamy white; *S*.
Wave of Life. Foliage yellow; corolla violet; sepals crimson; *S*.
Heron. Large purple corolla; crimson sepals; *D*.

For new varieties see page 115.

10 cts. each; \$1.00 per dozen; set of 15 sorts for \$1.25.

**ERYTHRINA HENDERSONII,
New Coral Plant.**

The great beauty of this plant cannot be told by a description. If set out in the open ground in spring, it blooms without intermission all summer. The flowers are large and brilliant, dark crimson in color, and fairly cover the plant when in full bloom. The old "Coral Plant," *Erythrina C. Galli*, only flowers well when two or three years old, but this acquisition is grand the first season. The roots can be lifted in the fall and kept over winter in a cellar, like Dahlias. It is entirely hardy in Florida and other Southern States. 30 cts. each; 4 for \$1.00.

**DWARF FEVERFEW,
"Little Gem."**

The great value of the old Dwarf Feverfew for cut flowers during the summer, fall and winter, is well known to florists and others. This variety, which we first sent out, surpasses it in every way. It is very dwarf, attaining a height only of from twelve to eighteen inches. The flowers are larger, of more perfect form, and of the purest white. 20 cts. each; \$2.00 per dozen.

FERNS.

These beautiful plants are now very generally cultivated; their great diversity and gracefulness of foliage makes them much valued as plants for Wardian cases, ferneries, and rock-work, where there is *moisture and shade*. Our collection contains the choicest of the "Maiden-hair" varieties, climbing species and best basket and vase sorts.

30 cts. each; \$3.00 per dozen; set of 13 sorts for \$3.00.

**GAILLARDIA ARISTATA,
"Templetonia."**

A new variety of an old species, and which has proved one of the very best *hardy* perennial plants; it grows from 2 to 3 feet high and wide, and flowers continually from middle of June to November, a rare quality in a hardy plant. The flowers are richly shaded orange, brown and crimson. Any one purchasing this plant will certainly be pleased with it.

Price, 50 cts. each; \$4.50 per dozen.

SCENTED GERANIUMS.—In variety.

Blandfordianum.	Nutmeg.	Pennyroyal.	Citron.
Little Pet.	Rose.	Dr. Livingston.	Quercifolium.
Rose Variegated.	Lemon.	Mrs. Taylor.	Skeleton Leaved.
Filicifolium. This variety has fine fern-like foliage.			

10 cts. each, except where noted. Sets of 13 sorts, \$1.25.

GERANIUMS, Golden Bronze.

This class of Geraniums is admirable for bedding purposes, growing vigorously, succeeding best and assuming their brightest colors during the heat of summer. They not only have attractive foliage, but the beauty and variety of the flowers add additional value to them.

20 cts. each; set 12 varieties for \$2.00.

GOLD AND SILVER GERANIUMS.

These two classes of Geraniums make beautiful pot plants. Should be planted out put in partial shade. We offer:
 12 best Golden Tricolors, 30 cts. each; \$3.00 per dozen. 12 best Silver Tricolors, 30 cts. each; \$3.00 per dozen.

IVY-LEAVED GERANIUMS.

Valued for baskets and vases.

12 sorts; 10 cts. each; \$1.00 per dozen.

For new varieties of Ivy Geraniums see page 115 and 116.

DOUBLE AND SINGLE GERANIUMS.

DOUBLE GERANIUMS.

The new varieties of the Double, or rather Semi-Double Geraniums, have now nearly all the compact habits and free flowering qualities of the single, with the advantage of their double flowers, being well adapted for bouquet purposes. Our collection embraces every variety worth cultivating, having been culled of all inferior sorts.

Anna Monde. Dark pink; fine habit
Blanc Parfait. Snow white.
Candidissima Plena. Pure white.
Col. Flatters. Crimson magenta.
Double Geu. Gra t. Brilliant scarlet; immense size.
Double Striped Vesuvius. Scarlet and white.
De Erazza. Deep scarlet; very large and showy
Gustave Widemau. Rich deep salmon.
Gen. Saussier. Shaded salmon and cherry
Gloire de France. Bright salmon.
Jennie Dolfus. Purplish red.
J. C. Rowland. White and salmon.
Lena Woods. Dazzling scarlet.
La Pilot. Deep scarlet; splendid bedder.
Mrs. E. G. Hill. Flesh color, tinged pink.
Mrs. Cope. Rich carmine red; of large size.
M. Hardy. Very light pink.
Naomi. Dark pink; fine bedder.
Peter Henderson. Vivid scarlet; immense truss.
Phallas. A rich apricot orange, most vivid in coloring.

Pride of the Market. Magnificent, rich crimson.
Queen of the Fairies. Rich flesh color.
Sunlight. Apricot shaded orange.
Sergeant Bobilot. Beautiful claret rose.
Umberto. Vivid orange scarlet.

10 cts. each; set of 25 for \$2.25.

For new varieties of Geraniums, see pages 115 and 116.

SINGLE GERANIUMS.

This class of plants having proved so admirably adapted for bedding purposes in our hot and dry summers, is now cultivated in immense quantities. Below will be found a list comprising old standard varieties and embracing many of the newer and finer sorts. All inferior kinds rejected.

Aug. Wurtemberg. Bright scarlet; large truss.
Albion. Pure white.
Anna Scott. Orange scarlet.
Beauty. Salmon and white.
Christopher Columbus. Crimson.
Coquette de Suresne. White blotched salmon.
Erickman Chatrain. Brilliant violet crimson.
Gen. Grant. The finest scarlet bedding variety.
Gen. Sheridan. Bright scarlet.
Guinea. Orange saffron.
Hebe. Dark pink.
Jean Sisley. Very bright scarlet.
Kate Patterson. Deepest salmon.
Mrs. Geo. Smith. Salmon, shaded flesh color.
Master Christine. Bright, deep pink.
New Life. Striped scarlet and white.
Pauline Lucca. Pure white.
Pliny. Bright carmine.
Queen Olga. Cerise pink; very fine bedder.
Rev. Mr. Atkinson. Very dark crimson.
Richard Deau. Very bright scarlet, white eye.
Robert George. Light scarlet.
Seminole. Cherry red.
Sir John Moore. Vivid scarlet, large white eye.
Tentamarre. Bright cherry.

10 cts. each; set of 25 for \$2.25.

GLOXINIAS.

These are among the handsomest of our summer-blooming house plants, the rich and varied coloring of the flowers being beautiful in the extreme; flowers 2 inches long by $1\frac{1}{2}$ inches diameter; upright and pendulous; colors crimson, violet, rose, scarlet, white, etc. The bulbs should be started in April, and after blooming all summer require a season of rest from November to April. This is done by gradually withholding water from them. After they are dried off, they may be kept in a warm, dry cellar, or under the stage of a green-house, or any warm place where they don't get wet.

40 cts. each; 3 for \$1.00; \$4.00 per dozen.

SEMI-DOUBLE HELIOTROPE.

Mrs. David Woods. This variety being semi-double, has a superior lasting quality when cut, the florets remaining on the truss without falling much longer than the single varieties. The trusses are large and compact and are very freely produced in winter as well as in summer, though in winter they are not always semi-double. Under glass the florets have a large distinct white centre.

Price, 20 cts. each; \$2.00 per dozen.

We also offer a general assortment of 12 sorts of Heliotropes at 10 cts. each; \$1.00 per dozen.

HEATHS (Erica).

We have imported six of the most distinct sorts in this interesting genus, embracing shades of *white*, *pink* and *crimson*. They should be kept cool and moderately moist.

Price, \$1.00 each; \$9.00 per dozen; all flowering plants.

HYACINTHUS CANDICANS.

Giant Cape Hyacinths. A most striking and beautiful summer flowering plant, supposed to be only half hardy, but which has stood for several winters, in this vicinity, without injury. It is a strong grower, and shoots upwards a stem 4 to 5 feet high, upon which are regularly arranged drooping white flowers of exquisite fragrance. Price, 25 cts. each; \$2.25 per dozen.

**JAPAN IRIS,
"Kämpferii."**

The cut gives only a faint idea of the beauty of form and wonderful coloring of this grand species. Robust growing, flowering in midsummer, flowers very large, varying in shades of white, maroon, deep blue, yellow, carmine and violet, beautifully veined and mottled. They add grace and beauty to every garden where they are planted, and are most desirable for summer bouquets and vases of flowers, some of the varieties rivaling Orchids in beauty of marking.

Price, 25 cts. each; \$2.25 per dozen.

LILIES.

These beautiful bulbs should have a place in every garden, as they are entirely hardy, require little or no care, and make a grand display from June to September. We offer 16 of the very finest sorts as follows:

Lilium Auratum. (The Golden Rayed Lily of Japan.) We offer this season a large stock of splendid sound bulbs of this peerless variety, which, beyond question, is the grandest of all the Lily family. Each flower is composed of six parts, pure white, thickly studded with crimson spots, while through the centre of each part runs a clear golden band. Fully expanded, the flowers measure nine inches across, are produced abundantly, and possess a most delicious fragrance. Price, 30 cts. each; \$3.00 per dozen.

Longiflorum. (The well-known "Easter Lily.") Pure white; fragrant, trumpet shaped, 6 to 8 inches long. June and July.

Lancifolium Album. Pure white; fine. 50 cts. August.

— **Rubrum.** White, spotted red. August.

— **Roseum.** White, spotted rose. August.

Tigrinum. (Tiger Lily.) Orange salmon, spotted black. August.

Tigrinum, Fl. Pl. (Double Tiger Lily.) Double orange colored flowers, spotted black. August.

Wallacei. Beautiful clear buff color, spotted black, 50 cts. each. June and July.

Krameri. Distinct from all other Lilies; large flowers of a soft, beautiful rose color. 25 cts. each; \$2.50 per doz.

Washingtonianum. A beautiful California variety, growing stiff and erect. Flowers white, tinted with purple and lilac—8 to 9 inches across when fully expanded. Blooms in July. 35 cts. each; \$3.50 per doz.

Elegans Atrosanguineum. Rich blood crimson, spotted with black. (July; 1½ feet high.) 15 cts. each; \$1.50 per doz.

Pardalinum. Scarlet, shading to rich yellow; freely spotted with purple brown. 3 feet. (July and August.) 25 cts. each; \$2.50 per doz.

Batemanniæ. A Japanese Lily, growing 3 to 4 feet high and producing bright apricot-tinted flowers. (July.) Each, 25 cts.; \$2.50 per doz.

Set of 16 distinct sorts for \$4.50.

Candidum. Pure white; very large and fragrant. June.

Canadense. Bell-shaped flowers; spotted red and yellow.

Harrisi. "Bermuda Lily." Free flowering. (See cut and description.) 40c.

LILIUM**HARRISI.****(Bermuda Easter
Lily.)**

This beautiful Lily was introduced a few years ago from Bermuda. The flowers are large, trumpet shaped, pure waxy white, and of most symmetrical form. (See cut.) The fragrance is delightful. This Lily has the valuable peculiarity of flowering two or three times in succession without rest, so it might really be termed an "Ever-blooming Lily." It frequently produces 30 flowers on a single plant. Our bulbs are large and sound, and are sure to bloom freely. Some idea of the great popularity of the Easter Lily may be formed when we tell our readers that our sales the past season were upwards of two hundred thousand bulbs. Hardy with slight protection in most places.

40 cts. each; 3 for \$1.00; 7 for \$2.00; 12 for \$3.00.

Second size at half price.

Set of 16 distinct sorts of Lilies for \$4.50.

LANTANAS.—General Collection.

We have few continuous blooming plants that afford a greater variety of colors than the Lantana. It is yearly becoming more extensively cultivated, so that it ranks as an important plant. The varieties we offer have been selected from our importations of the last few years as the most distinct. Twenty distinct varieties. Colors, orange, crimson, yellow, lilac, rose, white, etc.

10 cts. each; \$1.00 per doz.; set of 20 for \$1.75.

HIBISCUS (Chinese).

These plants are becoming very popular as bedding plants. They are largely used in the public grounds at Washington and other places for this purpose, and of late years have attracted a great deal of attention; they are almost continually in bloom.

Rosa Sinensis. Single red. **Grandiflorus.** Rosy crimson.

Aurantiaca fl. pl. Double orange. **Luteus fl. pl.** Lemon color.

Rubra fl. pl. Double red. **Fulgidus.** Scarlet crimson.

Versicolor. Crimson and rose. **Minutus.** Vermilion scarlet.

20 cts. each; \$2.00 per doz.

Newer and Scarcer Kinds.

Zebrinus. Double flaked and striped, scarlet and yellow ground.

Crucentus. Double; very rich crimson scarlet.

Puniceus. Single; bright crimson, fringed petals.

Lambertii. Single; large deep crimson; 6 inches across.

Schizopetalus. Flowers orange scarlet, beautifully fringed.

Price, 30 cents each, or set of 5 for \$1.00. Full set of 13 varieties for \$2.00.

THE MOON FLOWER, *Ipomœa (or Calonyction) Grandiflora.*

We sell annually 50,000 of this plant. If planted out in rich ground about May 15th, in a situation where it has full exposure to the sun, it will attain a height (if given wire or string to twine on) of 40 feet by October 15th, blooming abundantly the entire season. It is called "Moon Flower" from its rare peculiarity of blooming best at night, although it also expands its flowers in dull days; the flowers are of pure white, from 5 to 6 inches in diameter, emitting a rich jessamine-like odor at night.

The "Moon Flower" is a tender plant, but it can easily be kept in the house over winter; it roots easily from slips, so that no attempt should be made to lift large plants.

Price of the true "Moon Flower," 20 cts. each; 6 for \$1.00.

THE GIANT MORNING GLORY.

(*Ipomœa Learii.*)

This makes a splendid companion to plant to the white "Moon Flower." It is equally rapid in growth, and as free blooming as the white variety, though blooming in the morning or in dull days. The flowers

are the most intense violet blue with reddish purple rays, and are six inches across. There is nothing of its color that exceeds in richness the flowers of *Ipomœa Learii*. Culture the same as for the Moon Flower.

Price, 30 cts. each; \$3.00 per doz.

ANNE BOLEYN PINK.

Of the same class as the Snow Pink below described—almost identical, except in color, which is a dark rose color with crimson maroon centre.

Fine stock plants, 30 cts. each; \$3.00 per dozen.
Smaller plants, 15 cts. " 1.50 "

WHITE FORCING PINK, "Snow" (Mrs. Sinkins).

It is entirely distinct from, and infinitely superior to, the old White Scotch Pink, being nearly double the size, and of the most exquisite clove fragrance. It is entirely hardy, thus making it a valuable plant, either for flower garden or for cemetery purposes.

Large Flowering Stock Plants, 50 cts. each; \$4.50 per doz.
Small Plants, 20 cts. " 2.00 "

FLORISTS' PINKS.

These range in color from pure white to maroon, some of the sorts being beautifully variegated, and all deliciously fragrant—should be in every garden. Entirely hardy.

Set of 12 distinct sorts (including the two above described) for \$1.50.

DRACENA INDIVISA.

PALMS, DRACENAS, and other Decorative Plants.

We now grow a large stock of a few of the leading and best varieties of Palms, etc., such kinds as are adapted for room culture, or for centre plants in fine baskets or vases.

Dracena Indivisa. Of all the plants in use for centres of vases, baskets, or for beds in the open ground, nothing is so valuable as this. From its graceful drooping habit, it is sometimes called the "Fountain Plant." We sell nearly 5,000 plants of it annually. Price, 25 cts., 50 cts., 75 cts., \$1.00, \$1.50 and \$2.00 each, according to size. (See cut.)

Dracena Terminalis. 50 cents to \$1.00 each.

" **Fragrans.** \$2.00 each.

Areca Lutescens. Very graceful. 75 cents.

Curculigo Recurvata. 50 cents to \$2.00 each.

" " **Var.** \$1.00 to \$3.00 each.

Corypha Australis. A splendid robust grower. 50 cents to \$1.00 each.

Euterpe Edulis. This is one of the most useful of Palms, being vigorous in growth, with gracefully cut foliage. 50 cts. to \$1.00 each.

Latania Borbonica. This Palm is too well known to need any description; its strong constitution and other general characteristics render it one of the most easily grown. 50 cents to \$5.00 each.

Pandanus Utilus—Screw Pine. 50 cts., \$1.00 and \$3.00 each.

Pandanus Veitchii. (Variegated Screw Pine.) This is perhaps the finest of all decorative plants. Its beautiful form, with vivid green and creamy white variegation, added to its vigorous growth, makes it indispensable in every collection. We have a splendid stock of this superb variety, and offer them very low, quality of plants considered. \$1.00, \$1.50, \$2.00 and \$3.00 each, according to size. Extra large specimens, \$5.00 each.

Musa—Abyssinian Banana Tree. Nothing can exceed the majestic beauty of this noble plant as a specimen in the green-house, conservatory, on the lawn, or when grown in masses in sub-tropical planting. The broad, massive, luxuriant green leaves attain a length of six feet and over in this latitude. It is of the easiest cultivation, and will thrive during winter in any moderately warm conservatory. Strong Plants, \$1.50 each.

Rhapis Flabelliformis. We have secured a stock of this splendid Palm, which is always scarce and is considered the handsomest and rarest of Japanese Palms. It is particularly well adapted to house culture, being less susceptible than most palms to changes of temperature and the various adverse conditions which plants are subject to in dwelling houses. Price, \$2.00 each.

RUBBER PLANTS.

We have a splendid stock of this useful and ornamental plant, which grows under the most adverse conditions. 75 cts., \$1.50 and \$2.00 each.

I am happy to say that the Moon Flowers arrived safely. When they reached me, after at least thirty days' travel, they were sprouting. They are now blossoming every night, giving out a delicate perfume, which is perceptible at quite a distance.—Isle B. WELLINGS, Kogarah, New South Wales, Feb. 22d, 1888.

HIGHLAND PANSY.

PANSIES,**Trimardeau, Butterfly, Highland.**

We sell seeds and plants of these Pansies to many thousands of customers each season, and they rarely fail to give the highest satisfaction. Pansies are now being largely used for bedding purposes, vases, etc., and these new and fine types have greatly increased their popularity. See Pansy cuts in seed portion of catalogue.

Plants, \$1.00 per doz. **Seeds**, 20c. per packet; set of 6 Butterfly packets, **Seeds**, \$1.00. Best German Mixed Pansies, **Plants**, 75c. per dozen.

PASSIFLORAS.

These beautiful plants, better known as "Passion Flowers," are among the most desirable of our climbers, some of them rivaling the Clematis in beauty of flower, and surpassing them in vigor of growth. They are also among the best of our vase and basket drooping plants, and bloom profusely the entire season.

Constance Elliott. A beautiful variety, flowers 3 to 4 inches in diameter, and pure ivory white, deliciously fragrant. Hardy in most places.

Price, 25 cents each; \$2.25 per doz.

Cerulea. Similar to the preceding, except in color, which is a beautiful blue. Hardy in most places.

Pfordtii. A beautiful purple variety, and one of the best for baskets and vases.

Tacsonia Von Volxemii. A rapid growing Passiflora, bearing brilliant scarlet flowers in profusion. Not hardy in this latitude.

30 cts. each; \$3.00 per doz.
Set of four Passifloras for 75 cents.

SINGLE PETUNIAS.

A grand assortment; all colors mixed, grown from seed of our own saving, and sure to produce some splendid varieties.

10 cts. each; \$1.00 per dozen.

DOUBLE PETUNIAS.

We offer plants grown from seed of our own saving, which has been hybridized by hand, using only the most perfect flowers, thus insuring a choice strain of the most beautiful kinds, fully 50 per cent. of which will prove double.

15 cts. each; \$1.50 per dozen.

For new Double Petunias, see page 120.

PELARGONIUM, "Victor."

This variety is grown by the tens of thousands for the New York market, and finds a ready sale. It is a bright cherry pink, white at base of petals. The two upper petals are crimson maroon. 50 cts. each, 3 for \$1.00, 7 for \$2.00, 12 for \$3.00. We can supply 6 other good market sorts. 30 cts. each; \$3.00 per dozen.

TIGRIDIAS.

Grandiflora Alba. Its flowers are large, of a dead or pearl white color, marked at the base of each division with large spots of reddish brown or chestnut color on a yellowish ground, forming a fine contrast with the white of the petals. 35 cts. each; 3 for \$1.00.

Conchiflora. With deep colored flowers; a lovely variety.

Grandiflora. Deep crimson scarlet, of the largest size.
10 cts. each; set of three for 50 cts.

HARDY HERBACEOUS PHLOXES.**(Phlox Decussata.)**

Most valuable hardy plants for partially shaded borders or shrubbery; there are hundreds of varieties. Those below named will be found to comprise all the desirable shades.

Czarina. This is one of the finest of this class. Pure snow white, a most profuse bloomer, and of dwarf, compact growth; one of the finest plants for cemeteries. (See cut.)

Mlle. Neillon. Flesh pink, rose centre.

Souvenir de Berryer. Royal purple.

Bouton de Fin. Bright cherry red, violet eye.

Marie Belanger. Salmon pink, deep carmine eye.

La Brazier. Deep lilac, carmine red eye.

Mutabilis. Ivory white, deep rosy centre.

Md. Corbay. French white, deepening to mauve.

Miss Laing. Light purple, deep carmine eye.

Countess of Eglinton. Deep mauve, fine truss.

Lady Hulse. Flesh pink, bright red centre.

Roi des Roses. Deep rose, crimson centre.

Dominican. Clear violet.

White Lady. Purest white, large and fine.

York and Lancaster. Rose, striped white.

La Perouse. Purple centre, bordered white.

15 cts. each; \$1.50 per doz.; set of 16 for \$2.00.

PHLOX, "CZARINA."

ROMNEYA COULTERI.**(Shrubby Poppy.)**

This very scarce plant is now much used in England. Grown as single specimens, it reaches a height of 7 or 8 feet, and its immense white flowers, 18 inches in circumference, resemble a great white single Pæony, blooming during the summer months. It will prove hardy in most of the Southern States. Price, **Plants**, 50 cts. each; \$4.50 per dozen; **Seeds**, 25 cts. per packet.

SALVIAS.

Splendens. (Scarlet Sage.) Flower spikes of the most brilliant scarlet.

— **Patens.** A variety well suited to contrast with the scarlet, the flowers being of the richest blue. 20 cts.

We have 10 other sorts, embracing pink, maroon, variegated, purple, lavender, etc. 10 cts. each; \$1.00 per dozen.

Set of 12, including the two described above, for \$1.00.

MAMMOTH VERBENAS.

MAMMOTH VERBENAS.

We name and describe below the set of *Mammoth Verbenas* shown by the *colored plate* in our catalogue last year, some of the finest types of which are shown on the accompanying engraving. This strain, which we introduced and called the *Mammoth*, has entirely superseded the old varieties as they excel them in size; nearly all the varieties are large enough to cover a quarter dollar with a single floret.

Garnet. Deep crimson, large white centre.

Flame. Brilliant scarlet, clear white centre.

Gazelle. Deep purple, white centre.

Jubilee. Crimson scarlet, lemon centre.

Sapphire. Deep rich blue, creamy centre.

Peri. Deep rosy pink, clear white centre.

Erminie. Rich glowing red, yellow centre.

Turquoise. Clear deep blue, extra large white centre.

Houri. Light vermillion, straw color centre.

Mrs. Cleveland. Pure white, very fragrant.

Victory. Deep blood red.

Coral. Light clear pink, white centre.

Columbia. Creamy white, striped scarlet.

Onyx. Deep crimson maroon, yellow centre.

Oriflamme. Bright glowing scarlet, white centre.

Price, 10 cts. each; set of 15 for \$1.25.

VIOLETS.

Marie Louise. The well-known double purple variety. Its exquisite fragrance and beautiful color make it always in demand. Price, 30 cts. each; \$3.00 per dozen. Smaller plants, 10 cts. each; \$1.00 per dozen.

Swanley White. Same as preceding, but pure white. 50 cts. each; \$4.50 per dozen. Small plants, 15 cts. each; \$1.50 per dozen.

Mme. Millet. This variety is the same as the preceding in every respect except the color, which is a distinct reddish purple—the first of this shade found in the Violet. Price, 30 cts. each; \$3.00 per dozen.

TRITOMA GRANDIFLORA MAJOR.

A new variety of the "Red Hot Poker Plant." The spikes are a foot in length, and three inches in diameter, of the brightest shades of orange and scarlet; plants certain to flower.

20 cts. each, \$2.00 per dozen.

ZEBRA ZINNIAS.

We will have plants of this magnificent strain of Zinnias ready about May 15th. 15 cts. each; \$1.50 per doz. Ordinary strain, 10 cts. each; 75 cts. per doz.

DOUBLE TUBEROSE, "PEARL."

**DOUBLE
TUBEROSE,
"Pearl."**

The value of this over the common variety consists in its flowers being of double the size, imbricated like a rose, and its dwarf habit, growing only from eighteen inches to two feet in height. In other respects it is the same as the common sort. Introduced and named by us. (*See cut.*)

Extra sized bulbs, 12 cts. each; \$1.25 per dozen. Large blooming, 10 cts. each; \$1.00 per dozen. 2d size, 8 cts. each; 75 cts. per dozen.

**COMMON
TUBEROSE.
(Double.)**

1st size, extra, 10 cts. each; \$1.00 per dozen. 2d size, 8 cts. each; 75 cts. per dozen. 3d size, 5 cts. each; 50 cts. per dozen.

ABRIDGED LIST.

Lack of Space prevents us giving extended descriptions of the following well known and useful plants.

	Each.	Per Doz.		Each.	Per Doz.
Asparagus Tenuissimus. Fine filmy foliage, equal to Maidenhair Ferns; splendid for bouquets.....	25	cts. \$2.25	Mesembryanthemums. In variety; beautiful succulents; fine for rock-work, baskets, vases, etc.....	10	cts. \$1.00
Asters. All colors mixed. Ready May 1st.....	10	" 1.00	Marantas. Six fine sorts; beautiful foliage.....	75	" 7.50
Alterantheras. Crimson, yellow, maroon, etc.....	10	" .75	Mahernia Odorata. Golden Honey Bell.....	15	" 1.50
Ageratum. Blue, white, lavender, etc.....	10	" 1.00	Madeira Vine. Rapid climber; fragrant flowers....	5	" 50
Allamanda Hendersonii. Large yellow flowers, blooms all summer; a splendid climbing plant.....	30	" 3.00	Nasturtiums. Tall and dwarf sorts.....	10	" 1.00
Antirrhinum. Choice mixed, all colors.....	10	" 1.00	Oxalis. Yellow, white and pink.....	10	" 1.00
Achyranthus. In variety.....	10	" 1.00	Panicum Var. Drooping grass, for baskets.....	10	" 1.00
Amaranthus. (Joseph's Coat.) 3 sorts.....	10	" 1.00	Peristrophe Augustifolia Var. A beautiful plant for baskets and vases.....	15	" 1.50
Artemisia Argentea. White leaved plant.....	10	" 1.00	Pilogyne Suavis. Beautiful out-door climber.....	15	" 1.50
Aquilegias. (Columbine.) Assorted.....	15	" 1.50	Pentstemons. Choice mixed varieties.....	20	" 2.00
Balsams. White and colored sorts. (Ready May 1st). ..	10	" 1.00	Primula. Double white; splendid for winter blooming.	35	" 3.50
Browallia Elata. Blue flowering. (Ready April 15th). ..	10	" 1.00	Primula. (Primrose.) Single; mixed, all colors.....	20	" 2.00
Calendula Meteor. Bright orange flowers; blooms all summer.....	15	" 1.50	Polemonium Reptans. Hardy; blue flowering.....	20	" 2.00
Convolvulus Mauritanicus. Blue flowering vine; for baskets and vases.....	15	" 1.50	Pancratium Coronarium. Pure white lily-like flowers	30	" 3.00
Calla Lily. All flowering roots. 20c., 30c. and 50c. each; \$2.00, 3.00 and 4.50 per doz.			Pilea Serpafolia (Artillery Plant) and Reptans	10	" 1.00
			Passiflora. Purple, blue, violet, white, etc.....	15	" 1.50
Centaurea Gymnocarpa. } (Dusty Millers).....	10	cts. \$1.00	Plumbago Larpentae. Purple flowers, in bloom all summer. (Hardy).....	25	" 2.25
" Candidissima. }			Poinsettia. Double and single... 30c. and 50c. each, \$3.00 and 4.50		
Crassulas. Drooping plants for baskets, etc.....	10	" 1.00		Each. Per Doz.	
Cestrum Laurifolium. Night blooming Jessamine..	15	" 1.50	Pilea Grandis. New "Artillery" plant.....	20	cts. \$2.50
Cruel Plant. (Physianthus).....	15	" 1.50	Phlox Drummondii. All colors mixed.....	10	" 1.00
Cineraria Hybrida. All colors mixed.....	15	" 1.50	Richardia Alba Maculata. "Spotted Calla".....	20	" 2.00
Cyclamen Persicum. White, crimson, pink, etc.....	30	" 3.00	Sedums. Fine for rock-work. (Hardy).....	10	" 1.00
Castor Oil Bean. A tropical looking plant; fine for lawns in summer. (Ready May 15th).....	20	" 2.00	Smilax. Well known twining plant, used for festooning.....	10	" 1.00
Cuphea Platycentra (Segar Plant) and Hyssopifolia.	10	" 1.00	Solanum Jasminoides. Trailing variety.....	15	" 1.50
Coronilla Glauca. Bright yellow flowers.....	15	" 1.50	Silver Balm. Fragrant foliage plant.....	10	" 1.00
Cockscombs. All colors mixed. (Ready May 1st).....	10	" .75	Scutellarias. Two varieties, crimson and violet....	10	" 1.00
Coccoloba Platyclada. Splendid plants for baskets...	15	" 1.50	Stevia. Three varieties; white flowers.....	10	" 1.00
Calceolaria, "Shower of Gold." Finest yellow.....	25	" 2.00	Succulent Plants. For rockeries, etc.....	10	" 1.00
Calceolaria, Creole Queen. Finest maroon.....	25	" 2.00	Tecoma Jasminoides. Summer climbing plant.....	20	" 2.00
Daphne Odorata. Fragrant rose colored flowers.....	50	" 4.50	Torenia Asiatica. Blue tubular flower; beautiful..	15	" 1.50
Dianthus. (Summer Garden Pinks.) All shades of color	10	" .75	Tropæolum. Finest mixed varieties, crimson, yellow, etc.....	10	" 1.00
Daisies, Paris. White, yellow and blue.....	10	" 1.00	Thunbergia Harrisii. Blue flowering climber.....	30	" 3.00
Daisies. Hardy varieties, white and red.....	10	" 1.00	Thyme. Gold and silver varieties.....	10	" 1.00
Euphorbia Splendens, "Crown of Thorns."	20	" 2.00	Tradescantias, Vulgaris, Repens, Multicolor, etc..	10	" 1.00
Echeverias. Well known succulents; 6 varieties.....	15	" 1.50	Vincas. Trailing sorts.....	15	" 1.50
Eucharis Amazonica, "Amazon Lily"	50	" 4.50	Vincas Alba and Rosea	15	" 1.50
Eranthemums. Beautiful foliage plants; 3 varieties.	15	" 1.50	Veronicas. Splendid plume-like flowers, white to deep purple.....	15	" 1.50
Eupatorium Riparium. White; winter flowering....	10	" 1.00			
Ficus Repens. Trailing Plant.....	20	" 2.00			
Feverfew, Golden. The well known Golden Feather.	10	" .75			
Genista Canariensis. A yellow winter flowering shrub	15	" 1.50			
Hoya Carnosa. Wax Plant.....	15	" 1.50			
Impatiens Sultana. Rose colored perennial Balsam.	20	" 2.00			
Impatiens Lucy. Light mauve colored flowers.....	30	" 3.00			
Ivy, German. Fine for baskets, etc.....	15	" 1.50			
" Variegated. Fine for baskets, etc.....	30	" 3.00			
Jessami le. Cape, Grandiflorum, etc.....	30	" 3.00			
Lemon Verbena. Valued for its fragrant leaves.....	20	" 2.00			
Libonia Perchiensis. Orange and crimson flowers..	15	" 1.50			
Lemon Verbena. Fine plants.....	15	" 1.50			
Lobelia. Blue, etc.; upright and trailing.....	10	" .75			
Lysimachia. (Creeping Charlie.) An old favorite for the garden and hanging baskets, etc.....	15	" 1.50			
Lygodium Scandens. (Climbing Fern).....	30	" 3.00			
Leonotis Leonurus. (Lion's Tail.) Orange colored flowers somewhat resembling a lion's tail.....	15	" 1.50			
Lathyrus Latifolius Albus. Hardy white flowering Pea.....	30	" 3.00			
Linum Flavum. (Yellow Flowering Flax).....	20	" 2.25			
Linaria Cymbalaria. (Kenilworth Ivy).....	10	" 1.00			
Lotus Jacobeus. Beautiful flowers, almost black....	15	" 1.50			
Mosses. 6 best varieties, for vases, etc.....	15	" 1.50			
Mina Lobata. Splendid summer climber.....	15	" 1.50			
Mimulus. (Musk Plant).....	10	" 1.00			
Meyenia Erecta. Purple flowers with yellow throat.	30	" 3.00			
Myrtle Crape. White and pink; half hardy shrubs.	30	" 3.00			
Musk Plant. Delicious musk odor. (Ready May 1st). ..	10	" 1.00			

HARDY HERBACEOUS PLANTS.

Spring, Summer and Fall Blooming.

For Open Borders, Cemetery Plots, etc., etc. .

Anemone Japonica, Alba and Rubra. Fall flowering plants.
Armeria (Sea Pink). Beautiful dark pink flowers. Spring.
Astilbe Japonica. White; plume-like spikes of flowers. Spring.
Chrysanthemum Inodorum Plenissimum. Low growing, hardy double white; splendid for cemetery. Summer and Fall.
Dicentra Spectabilis (Bleeding Heart). Spring.
Digitalis (Foxglove). All colors, mixed.
Delphinium (Larkspur). Dark blue, and blue shaded white. Summer.
Euphorbia Corollata. Hardy variety; white, spray-like flowers; valuable for Bouquets.
Gaillardia. (See page 127.)
Iris. Purple, yellow, white etc.; beautiful. Spring and summer.
Myosotis (Forget-me-not). The best blue variety. Spring and Summer.
Pæonias. Crimson, white, rose color, etc. 50 cts. each.
Primrose. (Hardy English.) All colors, mixed. Spring.
Phlox Subulata. (Moss Pink.) Hardy low growing varieties, white and pink; splendid for rockeries. Spring and summer.
Tritoma. (See special description, page 132.) Fall.
Yucca Filamentosa (Adam's Needle). A very ornamental hardy plant, graceful foliage, sending up flower spikes 5 ft. high hung with pure white flowers. Spring.
20 cents each, except where specially priced. Full set of 16 Hardy Herbaceous plants for \$3.00.

HARDY CLIMBING PLANTS

AMPELOPSIS VEITCHII.

AMPELOPSIS VEITCHII.

(Sometimes called "Boston Ivy" and "Japan Ivy.")

See Colored Specimen on front of Catalogue Cover

This is the most deservedly popular of all climbing plants, being *entirely hardy* in the most exposed places, attaining a height of 30 feet in 2 or 3 years, clinging to stones, brick or wood-work with the greatest tenacity. During the summer the leaves are a rich shade of green, and lap over each other with great regularity like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty; the leaves then change to the brightest tints of *scarlet, crimson and orange*, so dazzling as to be seen at a great distance. The colored picture on front of catalogue cover gives a fair idea of the brilliant and gorgeous coloring which this peerless plant assumes in the fall months, and shows the manner in which it clings to and covers any object where it is planted.

PRICES:

1st size, extra strong pot grown,	3 to 4 feet,	75c. each,	\$7.50 per doz.
2d "	" 2 to 3 "	50c. "	4.50 "
3d "	" 1 to 2 "	30c. "	3.00 "
4th "	" 6 to 9 ins.,	15c. "	1.50 "

AMPELOPSIS ROYALI.

(Royal Ampelopsis.)

This is yet quite scarce, being a comparatively new variety. It is identical with *A. Veitchii* as regards its climbing properties, but it is a larger and stronger growing plant. The foliage even in summer is richly tinted crimson, and in autumn it is perfectly gorgeous in its flame-colored foliage. It is, in our opinion, by far the most valuable of the two varieties. Although very scarce, we have a large stock of it, and place it at the same price as the older sort, which see above.

HARDY CLIMBING PLANTS.

(In Variety.)

Embracing the most beautiful kinds of Vines, suitable for training or climbing on verandas, fences, walls, etc.

Akebia Quinata. A scarce Japanese twining plant, with rich, dark green foliage and curious dark brown flowers of the most powerful and delicious odor.

Ampelopsis Veitchii. (See cut and special description.)

A. Quinquæfolia. The old Virginia Creeper. Invaluable where a coarse, rapid climber is desired. Large plants, 50 cts. each.

Ampelopsis Royali. (See special description and prices.)

Apios Tuberosa. (See cut and description below.)

Bignonia Grandiflora. Scarlet Trumpet Vine, a most rapid grower; flowers in large bunches, of a rich orange scarlet.

(For fine Hybrid kinds of Clematis, see description, page 124.)

Climbing Roses. Extra large and strong 2-year-old plants in six best kinds, crimson, pink, carmine, white, etc.

60 cts. each; \$6.00 per dozen.

Honeysuckles. Yellow, coral or scarlet, white, pink, evergreen and golden leaved; fine plants.

Ivy, English or True Melrose Abbey.

Wistaria Sinensis, Blue. Flowers in drooping clusters like a bunch of grapes: color, soft lavender blue; fragrant.

Wistaria Sinensis, White. Immense clusters pure white flowers.

Wistaria Magnifica. Same habit, but with dark violet blue flowers.

Aristolochia Siphon (Dutchman's Pipe). Large, showy, light green foliage; flowers long and pipe shaped, hence the name.

50 cts. each; \$4.50 per dozen.

All of the above Hardy Climbing Plants at 25 cts. each; \$2.50 per dozen, except where noted, or the entire collection of 13 kinds for \$5.

APIOS TUBEROSA,

Or, The Tuberous-rooted Wistaria.

A valuable hardy tuberous-rooted climber, closely resembling the common Wistaria in vine and foliage, and having clusters of rich deep purple flowers, which have a strong, delicious violet fragrance. Plant the bulbs near a trellis, fence, tree or any place where you may wish a climber. They grow to a great height and bloom profusely. The bulbs are perfectly hardy and should not be taken up over winter.

25 cts. each; 5 for \$1.00; \$2.00 per doz.

Hardy Grasses for Lawn Decoration. These are among the most useful of plants for lawn decoration; their graceful forms add beauty to any situation, while the plumes make useful house ornaments when dried, lasting for years.

Eulalia Japonica Zebrina. Unlike all other variegated plants, this has its striping or marking *across* the leaf, instead of longitudinally. It grows from 5 to 7 feet in height, forming a most striking and graceful plant. Entirely hardy.

1st size, 50 cts. each; \$4.50 per dozen.

2d " 30 " " 3.00 "

Eulalia Japonica

Var. An older variety than the *Eulalia Japonica Zebrina*. Leaves striped white and green, longitudinally. Next to the *Zebrina*, the most ornamental of all hardy classes. The flower spikes of both are valuable for parlor ornaments; will keep for years.

1st size, 50 cts. each; \$4.50 per dozen.

2d size, 25 cts. each; \$2.25 per dozen.

APIOS TUBEROSA.

MAGNOLIA SOULANGEANA.

MAGNOLIAS.

For lawn decoration, whether it be acres in extent or limited to a city lot, there is nothing to surpass Magnolias. The grace and beauty of the foliage, size and fragrance of the flowers, and remarkable immunity from insect pests, recommend them to all. The varieties we offer are all perfectly hardy, and will thrive in any good garden soil. The cut shows a specimen of *M. Soulangeana* taken before the flowers expanded. The tree in question is about 25 feet high, and is particularly attractive in the moonlight, the hundreds of silvery white blossoms showing clear and distinct in the soft light. They should be planted just as soon as the soil is sufficiently dry to work in the spring.

Magnolia Soulangeana. The flowers appear before the leaves, covering the tree from the ground to the tips. They are a soft silvery white, shading to purple at the centre, and average five inches across when expanded. The foliage is large and glossy deep green in color. (See cut.) Price, \$1.50 each; \$15.00 per dozen.

— **Speciosa.** Similar to the above, excepting that the flowers are a week or ten days later, and have a pink centre. Price, \$1.50 each; \$15.00 per dozen.

— **Purpurea.** Similar to the preceding in all respects except the color of the flowers, which are purple. \$1.50 each; \$15 per doz.

— **Tripetala** (Umbrella Tree). This variety differs from the above in producing the leaves first, the flowers following in June. It is undoubtedly one of the handsomest of our native ornamental trees. Its splendid spreading habit and large massive foliage, which is disposed in a circle around the ends of the branches like an umbrella (hence the name), combined with its large white, sweetly fragrant flowers and gray polished trunk, render it a conspicuous and highly ornamental object in any situation. Price, \$1.00 each; \$10.50 per dozen.

Set of four splendid Magnolias for \$4.00.

HARDY FLOWERING SHRUBS

(for the Lawn or Garden).

The kinds below named embrace nearly all that is desirable in *hardy flowering shrubs*, and are such as embrace contrasting colors, together with such as give a succession of flowers throughout the season. All large, fine plants.

Hydrangea Paniculata Grandiflora. One of the finest hardy shrubs in cultivation; the flowers are formed in large, white panicles, or trusses, nine inches in length, which change to a deep pink at the base as the season advances, the contrast rendering it remarkably attractive. The shrub grows to a

height and breadth of five or seven feet, and as the flowers slightly droop, few plants have the grace and beauty presented by this magnificent shrub. Used largely in cemeteries. (See cut.) 15c., 25c., 50c. and \$1.00 each, according to size; \$1.50, \$2.25, \$4.50 and \$9.00 per dozen, according to size.

Azalea Amoena. Small double reddish purple flowers. One of the most attractive of our low growing branching shrubs. Should be planted in partially shaded and sheltered situations. 75 cts. each; \$6.00 per dozen.

Althea Frutex Variegata. Variegated Rose of Sharon.

Althea, Double White. Beautiful shrub; double flowers.

Althea, Double Red. Similar to above, except color, which is red.

Berberry Purple. Very ornamental shrub; purple foliage.

Calycanthus Floridus. Strawberry scented shrub.

Cydonia Japonica (Japan Quince). Bright scarlet flowers.

Deutzia Crenata. Pure white flowers, slightly tinged pink.

Deutzia Gracilis. Beautiful shrub; dwarf; flowers white.

Exochorda Grandiflora. Flowers pure white, resembling orange blossoms, borne on long graceful branches. 75c.

Forsythia Viridissima. Yellow flowers, blooms very early.

Hydrangea Pan. Grandiflora. (See special description and cut.)

Kerria Japonica. Slender, graceful growth; double yellow flowers, blooming all summer.

Kerria Japonica Alba (*Rhodotypus Kerrioides*). Similar to the preceding in growth and blooming qualities.

Flowers are pure white, most abundantly produced, very ornamental. Very scarce. 75c. each; \$6 per doz.

Lilac. The well known purple flowering variety.

Lilac, R. de Marly. A new deep purple variety, shaded red.

Philadelphus Coronarius. The popular syringa or mock orange.

Ribes Aureum (Flowering Currants). A native species, with glabrous shining leaves and yellow flowers.

— **Gordonianum.** Flowers crimson and yellow; pendant bunches.

— **Sanguineum.** Deep red flowers; very attractive.

— **Albidum.** A beautiful variety, with pinkish white flowers.

Spirea Reevesii. Very fine and hardy; double white.

Weigelia Variegated Foliage. Leaves prettily marked with white.

Weigelia Candida. Pure snow white flowers.

Weigelia Rosea. Rich rose colored flowers.

Viburnum Opulus (Snowball). Large drooping white flowers.

40 cts. each, except where noted; full set of 22 splendid hardy shrubs for \$7.50.

HYDRANGEA PANICULATA GRANDIFLORA.

The plants arrived in good shape. We are much pleased with your carefulness in shipping. Indeed, the plants looked more as if carefully delivered from a hot-house near by, than from one so many miles away. Many thanks for your promptness, and also for the presents you sent. —CHAS. GARRETT, Ottumwa, Ia., June 8th, 1883.

We will send any one of the following

COLLECTIONS

FREE BY MAIL FOR \$1.00,

OR BY EXPRESS (Buyer to pay Charges).

On the Conditions named at the end of this List.

Each collection (unless otherwise stated) contains all *distinct varieties* of the newest and choicest kinds of our selection. All are labeled when sent by express, but are not labeled when sent by mail, although we send just as good and distinct sorts. If purchasers will read carefully the conditions of sale named on the bottom of this page, they will readily see that our Express Club Rates on three or more collections are so low that it does not pay to have plants sent by mail any more. Of course, in cases where there is no express office, or to very extreme distances, plants have to be sent by mail, in which cases we pack by the most approved methods, to have them arrive in good condition, but we would again reiterate that it is to every purchaser's interest to have plants sent by express when practicable.

FOR \$1.00 WE WILL SEND, FREE BY MAIL (or by Express on terms at bottom of page):

- or, 8 **Achyranthus**, crimson, violet and yellow leaves.
- or, 8 **Abutilons** (Chinese Bell Flower), orange, crimson, etc.
- or, 6 **Ampelopsis**, in variety (hardy climbers).
- or, 10 **Ageratums**, colors white, dark violet, blue, rose, etc.
- or, 8 **Alternantheras**, varieties for edging, etc.
- or, 4 **Azaleas** (Chinese), colors white, scarlet, etc.
- or, 8 **Basket Plants**, most approved kinds.
- or, 6 **Begonias**, scarlet, orange, white, rose, crimson, etc.
- or, 4 **Begonias**, tuberous-rooted—scarce.
- or, 4 **Begonia Rex**, ornamental foliage.
- or, 6 **Bouvardias**, scarlet, rose, crimson, white, blush, etc.
- or, 6 **Cannas**, dark varieties, tropical-looking.
- or, 8 **Centaureas**, white-leaved, for edging.
- or, 10 **Coleus**, bedding varieties.
- or, 6 **Coleus** (new of this season), beautiful foliage.
- or, 4 **Caladiums** (fancy), leaves spotted and mottled.
- or, 2 **Calla Ethiopica** (white), flowering plants.
- or, 6 **Carnations** (monthly), crimson, scarlet, variegated, etc.
- or, 8 **Chrysanthemums** (small flowering), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 8 **Chrysanthemums** (large flowering), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 8 **Chrysanthemums** (new Japanese), colors crimson, yellow, rose, white, pink, maroon, orange, etc.
- or, 4 **Clematis**, white, purple, etc.
- or, 4 **Crotons**, choice varieties.
- or, 2 **Dracenas** (dragon trees), terminalis and indivisa.
- or, 6 **Dahlias**, large flowering, all colors.
- or, 6 " bouquet varieties, all colors.
- or, 6 " new, single.
- or, 8 **Daisies**, finest mixed.
- or, 6 " (new Paris), white and yellow.
- or, 6 **Echeverias**.
- or, 6 **Eranthemums**.
- or, 6 **Ferns**, best fitted for house culture.
- or, 8 **Fuchsias**, all colors, double and single.
- or, 4 **Grape Vines**, white, bronze, black and purple fruit.
- or, 16 **Gladiolus**, for summer flowering.
- or, 6 **Geraniums** (single zonale), the finest of our collection.
- or, 6 " (double zonale), the finest of our collection.
- or, 6 " (scented zonale), the finest of our collection.
- or, 6 " (Ivy-leaved), excellent for trellis or baskets.
- or, 8 **Heliotropes**, colors all shades of purple, violet, etc.
- or, 4 **Hibiscus** (Chinese), scarlet, crimson, orange, etc.
- or, 6 **Hollyhocks**, white, pink, crimson, etc.
- or, 4 **Honeysuckles**, evergreen, Coral and Japan.
- or, 4 **Hardy Shrubs**.
- or, 4 **Hardy Climbing Plants**.
- or, 4 **Hydrangeas**, white, and the different shades of pink.
- or, 4 **Jasminum** (Jessamine).
- or, 8 **Lobelias**, ever-blooming, blue, white and lavender.
- or, 8 **Lantanas**, white, orange, pink, crimson, etc.
- or, 6 **Lilies**, assorted.

- or, 5 **Moonflowers**, large white flowers.
- or, 8 **Mesembryanthemum**, wax pink.
- or, 6 **Mosses** (Lycopodium), best fitted for house culture.
- or, 2 **Palms**, large fancy leaves, used for decorating.
- or, 4 **Poinsettia Pulcherrima**, large scarlet bracts.
- or, 6 **Petunias** (double), purple, crimson and white.
- or, 8 " (single), striped and blotched; very fine.
- or, 8 **Pinks**, summer garden varieties, in flower all summer; crimson, pink, maroon and white; sure to please.
- or, 8 **Pansies**, new German varieties; very fine.
- or, 8 **Phlox**, hardy; white, crimson, rose, violet, etc.
- or, 6 **Passifloras** ("Passion Flower Vine"). Including new hardy white variety, C. Elliot.
- or, 6 **Roses**, Hybrid Perpetual (hardy), white, pink, crimson, etc.
- or, 8 " (Monthly Tea), white, crimson, rose, violet, yellow, etc.
- or, 4 **Hardy Climbing Roses**, white, pink and crimson.
- or, 6 **Snapdragons**, crimson, white, yellow, scarlet, etc.
- or, 8 **Sedums** ("Stone Crop").
- or, 6 **Succulents**, "Crassulas," etc.
- or, 8 **Salvias**, colors blue, scarlet, crimson, white and rose.
- or, 8 **Scarcer summer flowering plants**.
- or, 8 **Scarcer ornamental foliage plants**.
- or, 6 **Smilax**, the climbing plant used for festooning.
- or, 6 **Stevias**, color white, winter flowering.
- or, 8 **Strawberries**, eight largest and finest sorts.
- or, 8 **Tradescantias**. Drooping plants for baskets, etc.
- or, 6 **Tropæolums**, orange, maroon, scarlet, rose, etc.
- or, 8 **Tuberose Pearl** (the dwarf, large flowered kind).
- or, 16 **Verbenas**, very finest kinds.
- or, 8 **Verbenas**, New Mammoth.
- or, 6 **Veronicas**, feather-like, violet, rose, blue, etc.
- or, 6 **Violets** (scented), colors white, and dark and light blue.
- or, 8 **White-Leaved Plants**.
- or, 25 **Var. Flower Seeds**.
- or, 20 " **Vegetable Seeds**.

No order is filled for less than one dollar, but we allow buyers to *have* collections if they desire it; for example, we will send 4 Abutilons and 5 Ageratums for \$1.00, but no further divisions of the collections will be made. Although it is a convenience to have plants sent by mail to places where there is no express office, yet in all cases where plants can be sent by express, we always advise them so sent; for not only are we enabled to sell much cheaper, but larger plants can be sent, and they invariably arrive in better condition. We therefore offer the above collections to be sent by express, *buyer to pay charges*, at the following exceedingly low rates: Three collections for \$2, five for \$3, nine for \$5, twelve for \$6, twenty-one for \$10, or forty-five for \$20, or the 82 collections (582 varieties of plants, bulbs and seeds—sufficient to stock a greenhouse or garden) for \$36, to which our book, "Gardening for Pleasure," and Catalogue (value \$2.25), will be added; in cases where any of the collections of plants and seeds are *not* wanted, we allow the purchaser to strike out and duplicate any other collection offered.

NOTICE.—See the liberal plant premiums we give away with the above collections when sent by express. (For full details see page 98.) We will give a discount of ten per cent. from above prices on all cash orders received and shipped (by express) before April 1st. But under no circumstances will we give any discount after that date.

THE SIX KINDS OF STRAWBERRIES

ILLUSTRATED ON THE BACK COVER OF THIS CATALOGUE

Are such as are likely to give general satisfaction. They are well-known and approved kinds, of large size, delicious though varied flavors, and embrace the earliest and latest kinds, so that in planting the full set of six, the season can be extended. It is always best to plant a variety of kinds of strawberries, because the fruit sets better when planted near each other. The plants we offer are all transplanted, most of which will give some fruit this season, and next year a full crop. Set the plants in rows $1\frac{1}{2}$ feet apart with 1 foot between the plants. For fuller cultural directions, see "Gardening for Pleasure." The following are the names of the sorts shown:

No. 1, SHARPLESS.

No. 2, CUMBERLAND TRIUMPH.

No. 3, MAY KING.

No. 4, PARRY.

No. 5, GREAT AMERICAN.

No. 6, CHARLES DOWNING.

PRICES.

1 Plant of each of the above six kinds for.....	\$1.00
6 Plants " " " " " (36 in all) for.....	2.50
12 " " " " " (72 in all) ".....	4.00
25 " " " " " (150 in all) ".....	6.00
50 " " " " " (300 in all) ".....	10.00
100 " " " " " (600 in all) ".....	18.00

Or any one variety may be purchased by itself at the following rates: \$1.00 per doz., \$2.50 per 50; \$4.00 per 100; \$30.00 per 1,000.

We also have plants of such standard sorts as Jersey Queen, Manchester, Mount Vernon, Champion, King of the North, Prince of Berries and Seth Boyden. Price, 50 cts. per dozen, \$3.00 per 100.

Crimson Cluster. This Strawberry is of the richest crimson color, borne in immense clusters (hence the name). It is one of the *latest* as well as the *earliest*, as its great vigor prolongs its season of fruiting. From its great tendency to fruit, plants set out in spring, if the season is at all favorable, will produce a good crop of fruit in June, or in 6 or 8 weeks from time of planting. (See cut.)

12 for \$1.00; 50 for \$4.00; 100 for \$6.00.

The Three Varieties of Hardy Grapes

SHOWN IN COLORS ON THE BACK COVER OF THIS CATALOGUE,

we consider the best types of their color, combining hardiness, delicious flavor, and size of fruit in a marked degree. Thus in **Niagara** we have the best of the *white* sorts, in **Brighton** the finest of the *red* varieties and in **Worden** the leading *black* in Hardy Grapes. We offer them in two sizes, graded according to their age, 1st size being 2 years old, and 2d size 1 year old. The 1st size will bear fruit the year after planting.

PRICES.

Niagara. (White)....1st size, \$1.00 each; 2d size, 50 cts. each. | **Brighton. (Red)**.....1st size, 75 cts. each; 2d size, 40 cts. each.

Worden. (Black).....1st size, 75 cts. each; 2d size, 40 cts. each.

Or, set of the Three kinds, 1st size for \$2.00; 3 sets for \$5.00; 7 sets (21 in all) for \$10.00.

Set of Three, 2d size, for \$1.25; 3 sets for \$3.50; 7 sets (21 in all) for \$7.00.

THE SECOND SIZE CAN BE SENT BY MAIL.

❖ HARDY GRAPE VINES. ❖

TWELVE CHOICE VARIETIES.

Brighton. One of the very best *red* grapes; early. (See back of Catalogue Cover.) 1st size, 75 cts.; 2d size, 40 cts.

Niagara. The finest of the *white* grapes. (See back of Catalogue cover.) 1st size, \$1.00; 2d size, 50 cts.

Worden. *Black*; very juicy; large size; early. (See back of Catalogue Cover.) 1st size, 75 cts.; 2d size, 40 cts.

Concord. One of the best old sorts. Bunch and berries large; color, *black* with a rich bloom. When only one variety is wanted, plant the Concord.

Delaware. *Red*; bunches compact; berries small, sweet and of the most excellent flavor. For quality there is no American grape to equal it.

Duchess. Greenish white, splendid quality.

Moore's Early. Resembling the Concord in style of growth and berry, ripening two weeks earlier. 75 cts. each.

Wilder. (Rogers' No. 9.) An excellent variety. Berries medium; bunches rather small; color *light bronze*. A good bearer.

Agawam. (Rogers' No. 15.) Berries large, of *bronze* color; bunches of good size and form. One of the best.

Salem. (Rogers' No. 22.) A splendid *white* grape, tinged with pink.

Martha. One of the best of our *greenish white* grapes; exquisite flavor.

Wyoming Red. A fine *light red*, medium sized, splendid quality and wonderfully productive grape. 75 cts. each.

PRICE.—Very strong two-year-old plants, 40 cents each, except where noted; \$4.00 per dozen. Full set of 12 kinds, including the 3 kinds shown on back of Catalogue cover, in two-year-old plants, \$6.00 per set.

For instructions in pruning and cultivating Grapes, see new edition, "Gardening for Pleasure."

FOREIGN GRAPE VINES FOR VINERIES.

We have a large stock of the finest varieties in splendid condition, with particularly well ripened canes. Parties who propose erecting new graperies, or who wish to replenish their stock, will do well to write us. The varieties marked "H" are suited for hot graperies; those marked "H & C" will do in either. We have this season prepared a few hundred extra sized vines, such as will produce a crop of fruit this season. As they can be fruited in pots, it gives those who have no regular graperies an opportunity of raising a crop of "Hot-house Grapes." Also in planting new graperies these fruiting vines are used temporarily until the young vines are old enough to fruit.

Muscat of Alexandria. Large grape of light golden color; the most popular of the white kinds. H & C.*

Black Hamburg. A well-known excellent sort. H & C.*

Buckland's Sweet Water. White. H & C.

Muscat Hamburg. Black, with Muscat flavor. H & C.*

Duchess of Buccleuch. White. H.

Lady Down's. Black. H.*

Cannon Hall Muscat. Black. H & C.*

Grizzly Frontignac. White. H.

Gros Colman. Black. H & C.

Splendid vines, \$1.25 each; \$12.00 per doz. Extra large fruiting vines of the 5 varieties marked with an asterisk (*), \$3.00 each.

INDUSTRY GOOSEBERRY.

A Gooseberry possessing desirable qualities for table and market has long been a desideratum. The foreign varieties, wherever tried, have either mildewed more or less, or they have made an unsatisfactory growth. Hence a large, handsome sort of good quality has been much sought after. Although a foreign sort, it has done admirably for three seasons, being a vigorous grower and an immense yielder, and showing no signs of mildew. The annexed illustration shows the size of the fruit. We confidently recommend it for the garden and market, being unequaled for size, flavor, productiveness and vigorous growth. Color dark red. (*See cut.*) 50 cts. each; \$4.50 per dozen.

Houghton's Seedling. A vigorous and very productive variety, not affected by mildew. Probably the best American Gooseberry. 20 cts. each; \$1.50 per dozen.

INDUSTRY GOOSEBERRY.

Currants.

Cherry. Dark red; the best variety for market.

Versailles. Best for table use.

White Grape. The best white currant.

Black Naples. Black, mostly used for jams and jellies.

Each 20 cts.; per dozen, \$1.50; per 100, \$10.00.

Fay's Prolific. By far the best red currant we have. Large, wonderfully prolific, of good flavor and less acid than the above. It is a strong grower and comes into bearing early. Strong plants. (*See cut.*)

40 cts. each; \$4.00 per dozen.

Blackberries.

Lucretia Dewberry (or Creeping Blackberry). The finest of its class that we have yet seen and the first one of several which have been tried and proved valuable. The fruit is enormous, luscious and handsome. It is entirely hardy everywhere, a healthy, strong grower, and exceedingly productive. A superb fruit. The accompanying cut represents medium-sized berries. Price, \$1.50 per doz.; \$10.00 per 100.

CRYSTAL WHITE BLACKBERRY.

Crystal White. A white blackberry. Berries are of a fine translucent white; of good size, very sweet and pleasant. Canes exceedingly prolific, but not entirely hardy.

\$1.50 per doz.; \$10.00 per 100.

"LUCRETIA" DEWBERRY (or Creeping Blackberry).

WILSON, JR.

BLACKBERRIES.—Continued.

Erie. Largest size, almost round in form, excellent quality, absolutely hardy, very early, without doubt the finest blackberry. \$1.50 per doz.; \$8.00 per 100.

Wilson, Jr. Second only to the above in all the requirements of a first-class berry. (See cut.)

Kittatinny. Very large and of excellent flavor.

Lawton. Very large, juicy and sweet. Per doz., \$1.00; per 100, \$6.00.

FIGS.

Are hardy nearly everywhere south of Washington, and can be kept out-doors in almost any well-sheltered spot in the Northern States if covered up with soil or leaves in winter, or they can be grown to fruit in tubs, which in winter can be kept in cold graperies or cellar. Price, 75 cts. each; \$7.50 per doz.

BLACK RASPBERRIES.

Tyler. (See cut below.) The earliest black raspberry and the leading early market sort. Wonderfully productive. Fruit of good size, jet black with but little bloom, firm, and of sweet, pleasant flavor. \$1.50 per doz.; \$10.00 per 100.

The Gregg. A Black Raspberry or "Black Cap," of the largest size; enormously productive and excellent flavor.

Doolittle's Black Cap. Large, sweet and juicy.

Souhegan. A "Black Cap" of large size, having a delicate sub-acid flavor. Early and prolific.

Price, \$1.00 per dozen; \$6.00 per 100.

Red Varieties of Raspberries.

Marlboro. Very dark; exquisite spicy flavor.

Hansell. Bright red; very early and productive.

Cuthbert. The leading market variety for late fruiting.

Rancocas. Early red, very prolific.

\$1.00 per dozen; \$6.00 per 100.

Yellow Varieties of Raspberries.

Caroline. Largest size and exquisite flavor.

Brinckle's Orange Raspberry. Color, rich shade of orange; largest size and most prolific bearer.

Price, 20 cts. each; \$1.50 per doz.; \$10.00 per 100.

BLACK RASPBERRY, "TYLER"

Golden Queen. The most popular and best yellow raspberry yet introduced. Of large size, great beauty, high quality, hardiness and productiveness. In size it exceeds even the Cuthbert and is the highest in quality of all raspberries except the old, delicate Brinckle's Orange; beautiful, translucent amber color and exceptionally firm. The canes are of the strongest growth, exceeding in

vigor the Cuthbert, hardier, and, owing to its greater vigor, succeeding better at the South and in California, where the Cuthbert was heretofore the only really good, reliable raspberry that could be grown, except black caps. Its productiveness is simply marvelous; ripens in mid-season. It is the most valuable raspberry for the amateur and no home garden is complete without it. Its beauty, size and fine quality render it indispensable for table use. 25 cts. each; per doz., \$2.00; per 100, \$12.00.

Vegetable Plants.

LETTUCE PLANTS (Cold Frame).

(NOW READY.)

All the Year Round. Per 100, \$1.00; per 1,000, \$7.50.

Boston Market. Per 100, \$1.00; per 1,000, \$7.50.

Early Curled Simpson. Per 100, \$1.00; per 1,000, \$7.50.

CABBAGE AND CAULIFLOWER PLANTS

(NOW READY)

That have been wintered over in cold frames, and are ready to plant out at any time from February to end of April, of the following varieties. Special rates for large quantities.

If by mail add 25 cts. to 100 price.

Cabbage. Henderson's Early Summer. Per 100, \$1.25; per 1,000, \$10.00.

— Early Jersey Wakefield. Per 100, \$1.25; per 1,000, \$10.00.

Cauliflower. Early Dwarf Erfurt. Per 100, \$3.00; per 1,000, \$20.00.

— Henderson's Early Snowball. Per 100, \$3.00; per 1,000, \$20.00.

Hot-bed plants of Cabbage, Cauliflower and Lettuce ready May 1st, at half these rates.

PEPPER PLANTS (Pot Grown).

(READY MAY 15TH.)

Large Bell or Bull Nose. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

Sweet Mountain. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

EGG PLANTS (Pot Grown).

(READY MAY 15TH.)

N. Y. Improved. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

Black Pekin. Each, 10 cts.; per doz., \$1.00; per 100, \$6.00.

TOMATO PLANTS.

(READY MAY 1ST.)

Perfection. Per doz., 30 cts.; per 100, \$2.50.

Acme. Per doz., 30 cts.; per 100, \$2.50.

Paragon. Per doz., 30 cts.; per 100, \$2.50.

The Trophy (from headquarters seed). Per doz., 30 cts.; per 100, \$2.50.

New York Market. Per doz., 30 cts.; per 100, \$2.50.

The Mikado. (New.) Per doz., 40 cts.; per 100, \$3.00.

RHUBARB ROOTS.

St. Martin's Rhubarb. A new English variety, now grown largely for the London market. It is not only immensely productive, but it is also one of the earliest, and above all it has a rich, spicy flavor, very similar to the gooseberry, when used for pies or tarts. (See cut.) 50 cts. each; \$4.50 per doz.

Rhubarb Linnæus and Victoria. 20 cts. each; \$2.00 per doz.

Chrysanthemums.

Chrysanthemums

are now, and deservedly, the most fashionable of all autumn flowers. Their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn. All Chrysanthemums are hardy in the latitude of New York, though it is best to cover them; a covering of four or five inches of dry leaves or litter around the roots will enable them to stand the winter in almost every State in the Union.

The fact of the Chrysanthemum being the most deservedly popular flower of the day will induce thousands to go into its culture who are entirely unacquainted with its varieties and habits. To such we would say, that when wanted to flower in the open air in October and November, the "Early" kinds should be chosen; and when wanted to flower in the green-house, sitting-room or any place where in house plants are kept, the "Late" kinds should be used, so as to prolong

NEW CHRYSANTHEMUM, "LEOPARD." (For description, see next page.)

the flowering as late as possible—say to Christmas or New Year's. To distinguish such, we offer Early and Late Collections. Of course it will be understood that all kinds can be used for in-door blooming, when so wanted.

New Varieties.

—We have enlarged and improved our collection of Chrysanthemums this year by adding the choicest and rarest varieties of recent introduction.

We call special attention to the novelty in Japanese varieties which we call "LEOPARD." We imported this variety from Japan with the "IMPERIAL" collection, but did not have stock enough to offer it last year. We also offer in our new collection Chrysanthemum "GEO. PRATT," which was awarded the prize as the best seedling over numerous competitors, at the New York Horticultural Society's Exhibition, in November, '87, a single plant (the entire stock) being purchased by us for \$25.

Our New Imperial Collection, which gave such general satisfaction to our customers last season, we offer this season at a price which places them within the reach of all.

Collections.—We continue the practice of offering the various sorts in collections, such as Exhibition, Early, Christmas, etc. which has proved a great convenience to our customers in making their selections. We have remodeled the various collections by discarding all inferior sorts, and replacing them with the newer and most improved varieties, so that our customers may feel confident when buying from us they procure the best and most distinct sorts in cultivation at the present time.

Our "Exhibition Collection" contains the "cream" of the older sorts, and are appropriately named, as they have in a majority of cases been the kinds that have taken the **First Premiums**. To our customers in sections where exhibitions of Chrysanthemums are given we would say, no better collection can be used than our "Exhibition Collection."

Chrysanthemums for Bedding.—Nothing better shows the appreciation of the value of the Chrysanthemum than the fact that the Superintendent of the Public Grounds at Washington, D. C., last season planted out ten thousand plants for the decoration of the Public Grounds and Parks.

FIRST PREMIUM.—Chrysanthemums.

Again at the great Chrysanthemum Show of the New York Horticultural Society, held 8th November, 1888, we were awarded **FIRST PREMIUM** for the **Largest and Finest Display**. As our exhibits were in direct competition with the most skillful amateurs and professional growers about New York, it showed clearly the fact that our collection contains the very finest sorts in cultivation.

We offer our collection of 140 varieties as named on the succeeding pages, being the "cream" of our assortment of hundreds of varieties, old and new, for \$18.00.

Special Offer.—We will send 100 distinct sorts, but of our selection only, for \$8.00.

CUT FLOWERS.

It may not be generally known that the cut blooms of Chrysanthemums will keep thirty days nearly as good as when first cut, if kept in water in a cool, dark place.

The Chrysanthemums arrived all right and in fine order. I thank you very much, and we will try to grow some of them so finely that they can be exhibited next fall in our Horticultural Show.—Mrs. E. BLISS, Hartford, Conn., May 21st, 1888.

MRS. JESSIE BARR. $\frac{1}{2}$ NATURAL SIZE.**"Mrs. Jessie Barr."**

This is one of the gems of our "Imperial" Chrysanthemums which has only fully developed its beauty this season. It is of pure pearly whiteness, and of the largest size, when properly grown, remarkably robust, very free blooming, and is one of the latest flowering. The petals are quilled with slightly fringed tips, and incurve to form a perfect ball, which when fully developed has a peculiarly soft, fleecy appearance, entirely distinct from any other variety as yet introduced. (*See cut.*)

Price, 30 cts. each; \$3.00 per doz.

New Imperial Chrysanthemums.

Foremost in the ranks of the Chrysanthemum stand the varieties which we introduced to popular favor as "The New Imperial Varieties," and which we illustrated by a colored plate in our Descriptive Catalogue of 1888. To such of our customers as have not already procured them, we would say that they were selected from over one hundred varieties which our collector sent us from one of the finest collections in Japan—which is the home of the Chrysanthemum and where they attain the greatest perfection. In size, beauty of form and brilliancy of colors, they equal anything hitherto offered for sale. We append the list of varieties, with a short description of each, but would refer our customers to the colored plate in our spring catalogue for 1888, which is an excellent representation, though only half natural size.

- Mandarin.** Deep Indian red.
Mrs. Seaman. Blush, shading to white.
Harn Ko. Beautiful light pink.
Muts Hito. Chrome yellow.
Autumn Queen. Blood red, fine.
Mrs. Jessie Barr. Pure white. 30 cts. (*See cut and special description.*)
Palma. Deep orange and old gold.
Bartholdi. Deep rosy pink, deepening to light maroon.
Gladiator. Deep crimson, fine.
Volunteer. Light pink, striped white; one of the earliest and best.
Oriental. Orange red, quilled petals.
Golden Rod. Golden yellow.
Leopard. Price, 50 cts. each; \$4.50 per dozen. (*See cut, page 140, and special description below.*)
 25 cts. each, except where noted.

Full set of Imperial varieties (shown by colored plate in our catalogue for 1888), including "Leopard" (13 in all), for \$2.50.

NEW SPOTTED CHRYSANTHEMUM, "Leopard."

The engraving on the preceding page of C. "Leopard" gives an excellent idea of this most distinct variety. The ground color is a deep shade of carmine, irregularly splashed and spotted with pure white, entirely different from anything else. It is of full average size, graceful form, and has the great advantage of being one of the latest flowering kinds. The cut flowers of "Leopard" sold at 50 cents per bunch, while other sorts only brought 10 cents, showing the appreciation of the critical New York trade for this novelty. Price, 50 cts. each; \$4.50 per doz.

New Collection of Chrysanthemums.

Below will be found a collection of new Chrysanthemums, which, in our judgment, are the best of the American grown seedlings of recent introduction. As will be seen by the description appended to each variety, they cover a wide range of color and form, and we can confidently say that they will prove a decided acquisition to any collection of Chrysanthemums.

- Blize.** Large, splendid purplish maroon, tinted violet.
Geo. Maclure. Purple, shaded amaranth, very large and distinct.
Geo. Pratt. (*See special description and cut, page 141.*) 50 cts. each.
Gladys Spaulding. Clear brassy yellow; bright and attractive.
John Thorpe. Deep crimson lake, a splendid variety.
Mrs. Gane. A small, beautiful, pure white, anemone flowered variety.
M. A. Vilmorin. Soft creamy white, beautifully fringed.
Mrs. T. H. Spaulding. Purest snow white, broad petals, twisting to the centre.
Mrs. J. N. Gerard. Beautiful, large, silvery pink, the finest of its color.
Pabiola. Deep rosy lilac; large and fine.
President Hyde. Rich yellow, curiously twisted petals.
Puritan. White tinted lilac, a unique and beautiful variety.
Sultan. Bright crimson tubular petals; a very striking sort.
Sokoto. Clear golden yellow; large and full.
Triomphante. Large, twisted, rosy pink; a very pleasing shade.
Wm. Elliott. Deep maroon; a very free blooming variety. Price, 30 cts. each, except where noted. Set of 16 (including the prize seedling, "Geo. Pratt") for \$3.50.

I saw your Imperial Collection of Chrysanthemums in bloom recently, and they are really magnificent. There are many novel colors among them, noticeably the "Volunteer," while they exceed in size of flower any of the older varieties in my collection of over one hundred varieties.—R. W. HARGADINE, Kent, Del., Nov. 8th, 1888.

CHRYSANTHEMUM,

"Mrs. C. H. Wheeler."

The flowers of this magnificent variety are of the largest size, and of such a heavy substance that they look as if stamped out of leather. The color is a bright crimson on the upper side of the petals, while the under side is clear old gold, thus forming a most striking and beautiful contrast. It is a late blooming variety, and, if kept in a cool place, may be had in flower as late as the holidays. The single flowers of this grand Chrysanthemum sold by the hundred last December for 25 cts. each. Included in the "Exhibition" Collection. 25 cts. each; \$2.25 per dozen.

NEW CHRYSANTHEMUM,

"George Pratt."

This grand variety is of the largest size and of the form shown in the engraving below when *partly formed*. As the flower grows older it changes its shape, incurving after the style of "Mrs. C. H. Wheeler." In color it is distinct from anything else we offer—a violet shaded into crimson—somewhat resembling the rich color-

NEW CRIMSON SEEDLING, "GEO. PRATT." ($\frac{1}{2}$ natural size.)

ing in the Gen. Jacqueminot Rose. We gave \$25.00 for a single plant of this variety—the entire stock. It was awarded first premium at the N. Y. Horticultural Society's Chrysanthemum Exhibition in 1888. Price 50 cts. each; \$4.50 per doz. (Included in New Collection.)

Early Collection.

Although *all* of the Chrysanthemums are early enough to perfect their flowers in the open ground south of Baltimore, yet in the vicinity of New York and further north many of the late kinds sometimes do not; hence for such we name this Early Collection, for the benefit, particularly, of residents of extreme Northern States.

Belle Paule. Soft white, tipped light rose.

Beaute des Jardins. Splendid deep purple; very free blooming.

Bouquet Nationale. Pure white, tinted lemon.

Early Pink. Bright rosy pink; very profuse blooming.

Elaine. Pure snow white; large and full.

Flora. Fine early white.

Gloriosum. Bright sulphur yellow; profuse bloomer.

Geo. Glenny. Clear golden yellow; beautifully incurved.

Golden Fleece. Bright golden yellow; very attractive.

Gloria Mundi. Canary yellow; round ball-like flowers.

Golden Lace. Pure yellow, finely cut petals; very free and vigorous.

Grace Attick. Pure white, quilled petals.

H. A. Gane. Bright pink; large Japanese flowers.

Mrs. Brett. Twisted golden petals; very unique. One of the best of the early flowering varieties. (See cut on page 143.)

Mad. Gramme. Pure white, beautifully incurved.

Mrs. S. Lyon. Large; creamy white, golden centre.

Mrs. J. H. Taylor. Pinkish lilac, very early and useful.

Mrs. John Laing. Orange, old gold and bronze.

Mrs. Robertson. Pure white, deepening to pink, large yellow centre.

Mr. Wm. Barr. Bright crimson in the centre, gradually shading to pure golden yellow at the ends of the petals. A very unique and beautiful variety.

Norma. Blush white, tipped rose.

Ophir. Deep golden yellow, tipped bronze.

Penelope. Rosy pink; large and full.

Porcupine. Needle-like petals; deep tan color.

Sonce d'Or. Intense yellow, shaded old gold.

Timbale d'Argent. Pure white, large anemone flower.

Price, 20 cts. each.

Full set of 25 *Early* varieties for \$3.00.

"MRS. S. HUMPHREYS." $\frac{1}{2}$ NATURAL SIZE.

Double White Chrysanthemum, "Mrs. S. Humphreys."

This variety was received in our importation from Japan last year, but it did not fully develop its grand qualities until this season. It is, we think, without exception the best white Chrysanthemum of its class yet seen in this country, being of the largest size, unequalled in form, and of the purest white. We have seen every variety on exhibition in Philadelphia and New York, and no double white Chrysanthemum in either place was equal to this, in our estimation. It is late in flowering, and the single flowers brought a higher price at the end of November than anything we had in our collection. The cut is only half natural size. Included in the Exhibition Collection.

Price, 40 cts. each; \$4.00 per doz.

"Exhibition" Collection of Chrysanthemums.

This collection, as its name implies, is made up of such sorts as are generally grown for exhibition purposes, and embraces nearly every shade of color and variety of form known in the Chrysanthemum. A collection of these, exhibited at our seed warehouses last fall, created quite a sensation, and visitors to our green-houses will remember what a grand show they made when in bloom. They are all hardy with a protection of from 4 to 6 inches of leaves or litter around the roots in winter.

The collection of Chrysanthemums purchased from you last May are now in bloom, and are the finest I ever saw—much handsomer, in fact, than I anticipated, the Mrs. S. Humphreys being particularly good. It is by far the best white variety in my collection of over 75 varieties.—THOS. B. ALLEN, Baltimore, Md., November 3d, 1888.

- Admiral Lewis.** Deep wine color, very large and showy.
Baron de Prailly. Light lavender pink; very large flower.
Brazen Shield. Deep brassy yellow, bronze centre.
Duchess. Rich crimson, shaded coppery red.
Edna Craig. Large pure white, one of the best.
G. F. Moseman. One of the largest flowered varieties, often measuring nine inches across. Incurved petals, bright Indian red inside and buff on the outside.
Isabella Bott. Pure white, very large and splendidly incurved.
J. Collins. Bronzy orange, shaded Indian red.
John Welch. Dark crimson maroon.
Lord Byron. Deep reddish crimson, tipped old gold.
Lizzie Cannon. Large golden yellow, fine form and very free blooming.
F. T. McFadden. Bright carmine; large and full; very fine.
Maggie Mitchell. Blush white, very large flower, one of the latest in blooming.
Mrs. Schuster. Deep violet; very attractive.
Mrs. Bliss. Lavender pink; semi-double; beautifully fringed.
M. V. Morel. Large; snowy white; tinted blush; very fine.
Mme. de Sevin. Light satiny pink; fine form.
President Spaulding. Purplish carmine; large and full; very free bloomer.
Mrs. Norris. Dark claret; very free bloomer; extra fine.
Mrs. Frank Thompson. A beautifully incurved variety of immense size, often measuring over 6 inches in diameter. Color bronzy carmine, reverse of petals creamy white.
Mrs. C. H. Wheeler. Old gold and crimson, decidedly Japanese, and looks as if cut out of gilt leather. (See special description, page 142.)
Mrs. Humphreys. 40 cts. (See special description and cut.)
Mme. C. Audiguier. Clear rosy pink; large and fine.
M. L. Fabre. Delicate silvery pink; large and fine.
Mr. H. Waterer. Deep yellow, base of petals deep apricot.
Mrs. Hoff Beach. Pure lemon color; very attractive.
Nellie Bly. Twisted golden petals; profuse bloomer.
Pietro-Diaz. Brilliant crimson; large double flowers; a gem.
Robert Bottomley. Large pure white; irregularly twisted and incurved; splendid for exhibition purposes.
Thorpe Junior. Golden yellow; anemone flowered.
Tubiflorum. Needle-like flowers; delicate pink, shading to white. 25 cts. each; set of 30 for \$4.50.

"MRS. BRETT." ($\frac{1}{2}$ natural size.) For price see "Early Collection," page 142.

CHRYSANTHEMUM BEN D'OR. ($\frac{1}{2}$ natural size.)**CHRYSANTHEMUM, "Ben d'Or."**

This is one of the most unique and beautiful of our late blooming yellow Japanese Chrys-anthemums. The petals are gracefully and irregularly twisted, and as the flower grows older they incurve to the centre, the whole flower forming a mass of ribbon-like petals. (Included in the Christmas collection.)

Price, 20 cts. each; \$2.00 per doz.

"Christmas" Collection.

Under this heading we offer the very *latest* flowering varieties; such kinds as perfect their flowers in the house about the "holiday" season.

Ben d'Or. Pure golden yellow; incurving to form ribbon-like balls.

(See cut.)

Cullingfordii. Dark mahogany crimson; extra fine.

Comte de Germiny. Old gold and Indian red; extra.

Jupiter. Brilliant reddish crimson.

James Salter. Clear golden yellow; beautifully incurved.

Jennie Y. Murkland. Bright apricot yellow; very fine.

Juvena. Bright crimson.

Julius Cæsar. Rich red shaded terra cotta.

James H. Mann. Blush pink shading to creamy white; curious twisted petals.

Lakme. Light bronze red, very showy and distinct.

La Nympe. Rich salmon pink; very attractive.

Mollie. Soft creamy white; twisted petals.

President Carnot. Deep purplish maroon.

R. E. Jennings. Dark crimson, tipped yellow.

Moonlight. Immense size; clear white, ribbon-like petals.

Mrs. Meredith. Light lavender pink.

Maid of Athens. Pure white; full and double.

Mrs. Wm. Hamilton. Extra large, double; white; extra fine.

Talfourd Salter. Rich crimson and golden bronze.

Yellow Eagle. Deep golden yellow, ribbon-like petals.

Price, 20 cts. each; set of 20 late blooming varieties for \$3.00.

Chrysanthemums.**OLDER VARIETIES.**

We have selected the Twelve Best of each of the three classes of the older varieties, and offer them at a very low price. They are all standard sorts and will make a fine display.

JAPANESE CHRYSANTHEMUMS.

Blooming Rose. Bright rosy pink.

Eugenie Mazard. Deep violet crimson.

Fascination. Large, white, pink centre.

Fulton. Clear bright yellow; long twisted petals.

Golden Dragon. Deep yellow; broad ribbon-like petals.

Julius Scharff. Purplish carmine, shaded crimson.

Hero of Magdala. Blood red crimson.

La Chinoise. Variegated pink, white and yellow.

Mrs. Wm. Robinson. Delicate pinkish white.

Syringa. Large; pinkish white.

Sarnia. White striped pink.

Spiralis. Creamy white, shading to deep pink.

10 cts. each; \$1.00 per doz.

CHINESE CHRYSANTHEMUMS.

Competition. Large; clear white.

Golden Prince. Clear golden yellow.

Lady Slade. Bright lilac pink.

La Neige. Pure white, profuse bloomer.

Mrs. Geo. Rundle. Snowy white; beautifully incurved.

Pericles. Bright Indian red.

Prince Alfred. Deep pinkish carmine.

Princess Teck. Extra large blush white.

Ruth. Light silvery pink; finely incurved.

Refulgens. Rich purplish maroon; extra fine.

Virgin Queen. Soft creamy white; incurved.

W. E. Gladstone. Deep yellow, shaded brown.

10 cts. each; \$1.00 per doz.

POMPONE CHRYSANTHEMUMS.

Bouquet. Rich carmine.

Canary Bird. Light canary yellow.

Cravaction. Deep pink, yellow centre.

Golden Bedder. Clear golden yellow.

Montgolfier. Maroon, tipped rich golden yellow.

Model of Perfection. Bright pinkish lilac shading to white.

Mrs. Aristee. Deep canary yellow; anemone flowered.

Marie Aurat. Light pink, yellow centre.

Princess. Blush white.

Princess Meletia. Fimbriated white; very beautiful.

Snowdrop. Pure white; flowers like miniature snow balls.

White Bedder. 15 cts. Small, pure white, very early and free

flowering. (See cut and special description below.)

10 cts. each; \$1.00 per doz.

The full set of 140 kinds of Chrysanthemums, including the new "Imperial" varieties as shown in colored plate in Catalogue of 1888, for \$18.00. A collection of 100 distinct sorts of our selection only, for \$8.00.

NEW DWARF**EARLY CHRYSANTHEMUM,****"White Bedder."**

The engraving shows a single flower of this useful sort. It rarely exceeds 18 inches in height, forming a compact, bushy plant; beginning to bloom most profusely about the middle of August, and continuing until cut back by frost. It will be very useful for borders and cemetery plots.

Price, 15 cts. each; \$1.50 per doz.;
\$8.00 per hundred.

The Cultivation of the Chrysanthemum

Is exceedingly simple; if wanted to flower only in the open ground, all that is necessary is to plant them in the open border in any good ground, well enriched with manure. If possible plant them in a warm sheltered spot, particularly in any section north of Baltimore, as, being the latest of all flowers of autumn, a better development will be had if planted in a place sheltered by a fence, hill or shrubbery. As they are all sold grown in pots, they can be planted out any time from April to July, though preference may be given to May. They form an average width by October of two feet in diameter, if the tops are pinched off so as to make them bushy; they should be set out at about two feet apart each way. The "topping" or "pinching" back, as it is called, should not be done later than 1st of August; if much later it might destroy the flowering to some extent.

FOR HOUSE CULTURE.

When wanted to be grown for Green-house or house culture the best plan for amateurs is to put each plant when received in a flower pot 6, 7 or 8 inches wide and deep; plunge these pots to the rims in the open ground, level with the soil, treating exactly the same as recommended for planting in the open border, by pinching, etc. Care should, however, be taken to turn the flower pots round every 8 or 10 days, so as to prevent the roots getting through the bottom of the pot, the object being to confine the whole roots within the pot. This same plan is the best for amateurs who cultivate any kind of plant to grow in the house or green-house in winter.

LARGE CHRYSANTHEMUM FLOWERS

Which are seen at the exhibitions are obtained by pinching off all the buds but one on each shoot, just as soon as the buds can be seen; "disbudded," as it is called, in this way, many kinds of Chrysanthemum flowers can be obtained six to nine inches in diameter. This is the method used to obtain all the fine flowers seen at the Exhibitions. It is deceiving, however, to those unacquainted with the plan, because a flower so obtained showing six or seven inches in diameter, if grown with half a dozen flowers on the same spray, would not be half the size. Hence amateurs, who have selected special kinds from the cut flower tables at Exhibitions, must not be disappointed at finding them half the size when they flower, unless they use the same process of disbudding to obtain large flowers.

* HITCHINGS & CO., *

233 MERCER ST., NEW YORK.

Send 4 cents postage for Illustrated Catalogue, with References and List of Prices.

GREEN-HOUSE HEATING AND VENTILATING APPARATUS.

FIVE STYLES OF BOILERS. EIGHTEEN SIZES.

Corrugated Fire Box Boilers.
Base Burning Water Heaters.

Corrugated Saddle Boilers.
Improved Conical Boilers.

The Whilldin Pottery Co.

MANUFACTURE THE

"STANDARD" FLOWER POT,

AS ADOPTED BY

The Society of American Florists,

At their Annual Meeting held in New York City,
August 23d, 1888.

As will be seen by the engraving, this Pot is stronger, less liable to break, and hence can be safely packed to carry to any distance better than the old style of Flower Pots.

PETER HENDERSON authorizes us to state that he will use our Pot exclusively the coming season.

SEND FOR CIRCULAR OF SIZES AND PRICES.

THE WHILLDIN POTTERY CO., 713 & 715 Wharton Street, Phila., Pa.

WE HAVE NOW READY NEW AND REVISED EDITIONS OF

Peter Henderson's Books.

IF YOU desire to engage in MARKET GARDENING or TRUCKING, read the new and revised Edition of "**Gardening for Profit.**" 375 pages. Fully illustrated. Price, \$2.00, post paid, by mail.

IF YOU desire to engage in the business of growing CUT FLOWERS or PLANTS for sale, read the new and revised Edition of "**Practical Floriculture.**" 325 pages. Fully illustrated. Price, \$1.50, post paid, by mail.

IF YOU wish to cultivate VEGETABLES, FLOWERS or FRUITS for private use only, read the new and revised edition of "**Gardening for Pleasure.**" This book treats on everything connected with gardening indoors and out, and has been specially written for amateurs. 404 pages. Fully illustrated. Price, \$2.00, post paid.

The scope of this book includes: Preparation of the Ground—Walks—The Lawn—Design for Gardens—Planting of Lawn and Flower Beds—Fall or Holland Bulbs, etc.—Propagation of Plants by Seeds—Propagation of Plants by Cuttings—How Grafting and Budding are Done—The Potting of Plants—Winter-Flowering Plants—Plants suited for Summer Decoration—Window Gardening—Culture of Water Lilies and other Aquatic Plants—The Chrysanthemum—Parlor Gardening, or the Cultivation of Plants in Rooms—Green-houses Attached to Dwellings—Detached Green-houses, Modes of Heating, etc.—Green-houses and Pits without Artificial Heating—Flowers which will Grow in the Shade—Insects and other Parasites injurious to Plants—Humbugs in Horticulture—Hardy Grapes—The Cold Grapery—The Hot-house or Forcing Grapery—The Strawberry—The Vegetable Garden—Monthly Calendar of Operations.

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Within the past two years "**Gardening for Profit,**" "**Practical Floriculture,**" and "**Gardening for Pleasure**" have been thoroughly revised, and many parts rewritten by their author, the senior member of our firm, MR. PETER HENDERSON. Inasmuch as the older editions have been the means of helping thousands to a pleasant, healthy and profitable business, that these new and much enlarged books will continue to do so there can be no question.

ANY OF THE ABOVE BOOKS MAY BE HAD FREE ON ORDERS ACCOMPANIED BY THE CASH,

in the shape of premiums on orders made up from this Catalogue. The terms and conditions necessary to secure the books are given in detail below, and customers are requested to read the conditions of our offers carefully.

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