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PETER HENDRICK

Manual of EVERYTHING

for the
Book & Sac 10

GARDEN

1890.

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RICH PLUME CHRYSANTHEMUM, "LOUIS BOEHMER."

Ready January 1st, 1891. Orders taken now.

few plants (the entire stock) of a gorgeous pink variety of the "White Ostrich Plume Chrysanthemum." range and beautiful formation with this variety, but its color is an exquisite shade of silvery pink. We wish botanical collector, Louis Bohmer, to whom horticulture is indebted for many valuable introductions, now consists of only a few plants, but we will be in a position to fill orders by January 1st, 1891. Price: Strong Plants, \$1.00 each.

Plume Chrysanthemum will be filled in strict rotation, beginning Jan. 1st, 1891.

SEASON

1890

ur Manual of "EVERYTHING FOR THE GARDEN"

for this season will probably be seen and read by a million people. To the thousands who have patronized us for a quarter of a century, it is unnecessary for us to say why we believe purchasers of either Seeds or Plants will find it to their advantage to place their orders with us; but, inasmuch as our

Catalogue every year reaches thousands who never before heard of us, we annually state a few of the great advantages we possess. **First.** We claim that we occupy a unique position in the trade, because MR. PETER HENDERSON, the head of our firm, has been all his life not only a practical **Market Gardener and Florist**, but has written several books, and hundreds of articles, whose plain and simple teachings have enabled thousands to garden both for profit and for pleasure. In the management of his business MR. HENDERSON has for years been assisted by his sons, both of whom have passed through every department of what is not only a large but an exceedingly complex business. We have besides always gathered around us a large force of experienced employees, many of whom have been with us for over twenty years. **Second.** For twenty-three years previous to our embarking in the seed trade we had been engaged in the market gardening and florist business, and it was this practical experience in the soil, no doubt, that has always made us more careful than most seed houses as to the quality of the seeds we sold. So that, at the very beginning of our career as seedsmen, we inaugurated in this country the first practical attempt at seed testing, something we could readily do, because we had the appliances of green-houses and grounds already at hand. That this plan, patiently and systematically followed, has proved of great value to us, the following figures for the years 1879 and 1889 of the quantities sold of a few leading seeds is the best testimony we can offer:

Quantities of Veg. Seeds sold by P. H. & Co. in 1879.	Quantities of Veg. Seeds sold by P. H. & Co. in 1889.	Quantities of Veg. Seeds sold by P. H. & Co. in 1879.	Quantities of Veg. Seeds sold by P. H. & Co. in 1889.
1,000 bushels.....Beans.....	6,000 bushels.	2,500 lbs.....	Onion.....20,000 lbs.
9,000 lbs.....	Beet.....30,000 lbs.	1,500 lbs.....	Parsley.....6,000 lbs.
2,000 lbs.....	Cabbage.....14,000 lbs.	1,500 bushels.....	Peas.....20,000 bushels.
1,000 lbs.....	Celery.....5,000 lbs.	10,000 lbs.....	Radish.....25,000 lbs.
500 bushels.....	Corn.....5,000 bushels.	500 barrels.....	Potatoes.....5,000 barrels.
1,500 lbs.....	Melon.....9,000 lbs.	15,000 lbs.....	Spinach.....65,000 lbs.

Henderson's New Bush Lima Bean.—175,000 packets sold in 1889. Our sales of this great novelty last season surpassed the most sanguine expectations, the quantity sold exceeding that of any similar vegetable novelty in the same space of time either in this country or in Europe. The competition for the prizes offered for the **New Bush Lima** was very spirited, and we received hundreds of entries from all sections of the country. The successful competitors were:

First Prize	\$50.00.	Specimen bearing 271 pods.	James H. Leggett, Oroville, Cal.
Second Prize	25.00.	" " 213 "	J. J. Kemmerer, Catasauqua, Pa.
Third Prize	15.00.	" " 161 "	Richards Bros., Springfield, Ill.
Fourth Prize	10.00.	" " 157 "	S. A. Livingstone, Port Byron, Ill.

In awarding the prizes we considered rigidly the terms of our offer, and a number of entries received were rejected from the fact that the specimens on arrival had the pods detached; some others again were received after the date specified, November 1st, and consequently could not be considered. This was the case with two specimens received from Mr. Leggett (whose first entry, received by us October 5th, secured the first prize); his last two entries did not reach us until November 6th, and so were disqualified. Would state, however, that they were magnificent specimens, one containing 294 pods, and the other 261 pods.

Practical Tests. (See view of our Trial Grounds on previous page.)—The *seed business* is a peculiar one, and differs from nearly all others in the fact that after the seeds are sown weeks and often months must elapse before their germinating qualities or purity can be established, and so for this reason the exchange of seeds between buyer and seller must ever be entirely a matter of confidence, and that confidence, we believe, can only be lastingly held by such seed firms as are known to test their seeds before selling. While we plume ourselves on the fact that of the very few firms who test their seeds, the methods we practice are as complete and thorough as any, yet the results we obtain are not always conclusive, because our practical experience of many years as market gardeners and florists has fully assured us of the fact that crops may fail, no matter how fresh or pure the seed sown to produce them may be. The failure of seed to germinate may result from causes that the utmost care of the most experienced cultivators cannot control, and the maturing of crops also repeatedly fails, so as to be a total loss, from causes that no human being can avert. Hence, to guarantee seeds to invariably produce a perfect crop, is little short of quackery. And while we are justified in believing that the seeds we offer are unsurpassed in quality, still, for the reasons above given, we have always stated most emphatically that we do not (and our employees also have strict orders never to do so), under any circumstances, guarantee or warrant seeds.

SEED TESTS IN GREEN-HOUSE.

PROTECTION TO CONSUMERS OF SEED.

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 illustration. *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 this practice of sealed packages in 1886, it because of the many complaints that unscrupulous dealers had foisted on our hard earned reputation. The fair- rapidly being acknowledged by dealers, in our original packages, sealed with the have taken so many years for us to find seeds out, only goes to show how man- ruts. If Pears' Soap or the Royal

of Vegetable and Grass Seeds are sealed with our red trade-mark label.

Peter Henderson's New Book, "HANDBOOK OF PLANTS AND HORTICULTURE." Entirely rewritten, enlarged and illustrated in 1889. A new dictionary of plants, 528 pages, profusely illustrated. (See detail of contents, page 146.) \$4.00 per copy.

New Editions of Peter Henderson's other Books, "GARDENING FOR PROFIT," "PRACTICAL FLORICULTURE," "GARDENING FOR PLEASURE." (*Details of subjects and contents given on page 146.*) We would again invite attention to the new editions of Mr. Peter Henderson's books, which were entirely rewritten and enlarged in the past two years, and contain the results of his added experience since the earlier editions were written, and are the acknowledged text-books of American gardening. Mr. Henderson's books can be purchased outright, or obtained as premiums on goods selected from this Manual. For conditions, see page 146.

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 if those intending to order Seeds 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, 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. *The safe arrival of all Seeds 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.

Shopping by Express.—The American, United States, Wells Fargo, National and N. Y. & Boston Express Companies now have purchasing departments in all their offices. If you wish to order goods from us to be sent by express, all you have to do is to ask for a Purchasing Order Blank at any office of the above named companies, and it will be supplied and forwarded without charge. No charge whatever is made by the Express Companies for their service, other than the usual rates for carrying goods. For full information and supply of Order Blanks, apply to the Company's local Agent in your place.

The Basket System of Packing which we inaugurated last season has been a source of great saving and satisfaction to our customers. Packages which formerly weighed 30 or 40 lbs. when packed in wooden boxes, now are safely carried in our light, strong baskets at half the expense.

The Express Companies Say that we ship ten times as much as any other establishment on the continent. Our seed department is now by far the largest and best equipped in the world, so that not only do purchasers receive the finest quality of both seeds and plants in ordering from us, but a most casual comparison will show that our *prices are as low* as those of any other reputable house.

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, it is almost certain that the letter has not been received by us. Remittances should be made either in the form of a **P. O. Money Order, Bank Draft, Express Money Order, Express Purchasing 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 ST., NEW YORK.

Two New Premiums.

HENDERSON'S Thermometrical Garden Calendar.

THE cut gives but little idea of the handsome appearance of this novel and useful article. It is very substantial, being made of metal (size, $11\frac{3}{4} \times 13\frac{3}{4}$), on which a beautiful and appropriate design is lithographed in ten colors. It is heavily enameled, making it absolutely impervious to water. Clear and concise reminders, written by PETER HENDERSON, are given of the necessary garden operations for every month in the year, and a tested thermometer is in the centre of each Calendar, making it the most complete, handsome and useful ornament of its kind that has ever been offered. **Henderson's Thermometrical Garden Calendar**, securely boxed, sent free by mail for \$1.00;

OR

Given as a premium with every order amounting to \$5.00 and upwards for vegetable seeds, flower seeds or plants, from this Catalogue. Of course it is understood that where the Calendar is selected as a premium the same order does not carry with it any of our book or other premiums, as offered on page 146.

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NEW TOMATO, "TABLE QUEEN."

We introduce this season an entirely new feature in our seed department. We offer to purchasers from this catalogue, *without charge*, one of the most distinct and valuable novelties of the season, the **New Tomato, "Table Queen."**

» THE «

NEW TOMATO "Table Queen"

The "TABLE QUEEN" will not under any circumstances be sold this season.

This excellent variety first came under our notice in our trial grounds two years ago. In a test of over eighty samples, it stood out as a remarkably prolific kind; in fact, the earliest heavy cropping variety on the ground. It came into bearing the second week in August. It grows in clusters of from four to six, and a large proportion of the individual fruits weighed from 12 to 16 oz.

It is the largest and heaviest smooth Tomato ever offered, being as large as the Mikado (introduced by us) but perfectly smooth and round. For slicing it is the Tomato "par excellence," as it is wonderfully solid, and contains fewer seeds than any other known variety. The "Table Queen" is of a dark rich shade of crimson, is very productive, and will prove the most satisfactory Tomato for private gardens that has been sent out in many years. (See cut.)

Persons desiring this premium will please so indicate on their order sheet. If it is not mentioned, we will understand it is not wanted.

The "Table Queen" Tomato is not for sale this season, but can be obtained as a premium on orders from this Catalogue as follows:

On orders of \$2.00 and upwards, 1 packet will be given.
" " " \$5.00 " " 3 packets "

The above offer is *in addition to*, and does not interfere in any way with, our regular club terms, and other premiums.

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NEW AND DESIRABLE VARIETIES IN: VEGETABLE SEEDS

Copyrighted, 1889, by Peter Henderson & Co.

Yosemite Mammoth Wax Bush Bean.

Second only in value and distinctiveness to the Bush Lima is this wonderful Wax variety. It is the forerunner of a race of giants among Beans, and is universally conceded to be **THE NOVELTY OF THE SEASON**. The cut is a faithful copy of a photographed specimen, but conveys no idea of its great size and handsome waxy appearance. The pods are nearly all solid pulp and absolutely stringless, cooking tender and delicious. The monster pods average 10 to 14 inches in length, as indicated by foot rule shown in cut, and are a rich golden color, making a most handsome appearance either on the plant or on the table. The Yosemite combines size, productiveness and quality in one variety, and is the nearest approach to perfection that nature has as yet given us in Wax Beans. The plant is a remarkably vigorous one, covering the ground with its heavy foliage in such a manner as to shade the earth and keep it moist; and if the pods are kept closely picked, new ones will continue to be produced, and a marvelously large crop will be obtained. The grower who originated this bean has produced some of the finest varieties now grown, and has had an experience in bean hybridization second to none. He assures us that of all the beans it has been his privilege to raise, this Yosemite stands head and shoulders above them all, and outstrips them in all cropping, marketable and other good qualities. It has been a prize among beans which all the seedsmen have been striving after, and we consider ourselves fortunate in having the honor of its introduction.

Price, per packet, 15 cts.; half pint, 75 cts.; pint, \$1.25; quart, \$2.00.

I regard your Yosemite Mammoth Wax Bean as one of the most distinct and best novelties that you have ever introduced. With me it grew much stronger than the ordinary bush beans, and for this reason should be planted wider apart. The pods were of gigantic size, and, contrary to the usual rule in such cases, were tender and of delicious flavor. I do not think that your colored plate did this novelty justice last season. It is certainly the most distinct and valuable wax bean ever offered. Despite its large size it is wonderfully prolific, and it will produce a greater weight of pods to the plant than any known variety.—W. R. SMITH, Tremont, N. Y.

MITCHELL'S PERFECTED BEET.

EARLY GOLDEN EYED.

WAX BUSH BEAN.

This is an early and vigorous growing variety, yielding a great profusion of tender pods of a beautiful waxy appearance. The vine grows about one and a half feet high, holding the pods well off the ground, thus keeping them clean and attractive. It is singularly free from blight and rust; in this respect it stood the test well in our trial grounds last year. The pods are flat, larger than the Golden Wax, and very nearly as large as the Flageolet Wax. 30 cts. per pt.; 50 cts. per qt.; \$3.00 per peck; \$10.00 per bush.

NEW CELERY,

"Giant Pascal."

This variety is a selection from the New Golden Self-blanching Celery which has become so popular in the last few years; it partakes of the best qualities of that variety, but is much larger and a better keeper. It is of a fine, nutty flavor, being entirely free from any bitter taste. It grows about two feet high; the stalks are very broad, thick and crisp, and entirely stringless; the width and thickness of the stalks are distinctive features of this variety. It bleaches with but slight "earthing up," and very quickly, usually in five or six days. Likely to prove a most valuable variety for both early and midwinter use. 25 cts. per pkt.; 5 pkts., \$1.00; 12 pkts., \$2.00.

WHITE PERFECTION CUCUMBER.

CUCUMBER,

"White Perfection."

A most distinct and valuable variety. It is of a pure waxy white from the time the fruit is first set until it has matured. The cucumbers average 12 in. in length and 3 in. thick, are straight and perfectly smooth when matured. Very prolific and likely to be valuable both for forcing and garden cultivation. (See cut.) Price, 25 cts. per pkt.; 5 pkts. for \$1.00.

I can assure you of my confidence in the purity and general quality of your seeds. They are always exactly as represented. I wish to thank you for those you kindly gave me.—RUFUS K. ALLERTON, Whitings Point, N. Y., June 5th, 1889.

MITCHELL'S

Perfected Earliest (DARK RED) TURNIP BEET.

It is entirely distinct from any sort, and is without exception the earliest beet ever produced, while its table qualities are excellent. It has the color and small top of the well known Egyptian variety, which admirably fits it for growing under glass, but unlike the latter, it is tender, sweet and juicy, even after it has lost its leaves from age. While the Egyptian has heretofore been about the earliest sort obtainable, it is a well known fact that its poor quality often rendered it undesirable, and that it is not marketable at all in its middle and later stage of growth, owing to its tasteless, hard, woody nature and disposition to crack open. These defects, as well as all others, are entirely absent in the *Mitchell Beet*. (See cut.) Per packet, 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50.

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. The "Golden Self-blanching" has heretofore been very scarce, but we are now in a position to supply it in quantity at a reasonable price. Every grower of Celery should plant at least part of their stock with this variety. (See cut.) Price, 15 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 per lb.

The seeds ordered of you a few days ago came safely to hand. Many thanks for the extras. Your liberality, combined with the great excellence of your seeds, are bound to win you trade and fame.—FRANK GARRIGUES, Moorestown, Burlington Co., N. J., June 3d, 1889.

GIANT PASCAL CELERY.

GOLDEN SELF-BLANCHING CELERY.

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Ne Plus Ultra Sweet Corn.

This is pre-eminently an epicure's variety, being the sweetest and most tender of all Sweet Corn. The ears are short, but the cob is very small, and the kernels of extraordinary depth, pearly whiteness, and are irregularly crowded together on the cob, as shown in the illustration. The "Ne Plus Ultra" is a medium early variety, and while of small size, is of such exquisite quality that for private use it is certain to be in great demand. (*See cut.*) Price, 40 cts. per pt.; 70 cts. per qt.

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. The "Autumn King" Cabbage received a very thorough trial last season and it gave the highest satisfaction, and we feel safe in stating that it is the best stock of late Cabbage in this country to-day. (*See cut.*) Price, 20 cts. per pkt.; \$1.00 per oz.; \$3.50 per ¼ lb.; \$12.00 per lb.

I found the Golden Queen Tomato to be extra fine in flavor, giving the best of satisfaction, especially for cutting up for table use. As a bearer it gave me nearly double the amount of fruit that the Perfection or Acme gave. Cory's Early Corn was the earliest I ever had. Blue Beauty Pea was early, a good bearer and of fine flavor. In fact, all seeds received from you gave perfect satisfaction.—J. N. DRAPER, Troy, N. Y., Jan. 7th, 1889.

THE BEST CABBAGES TO PLANT.

If you wish to make a success of Cabbage growing, plant the undernamed varieties, in the following order:

For first early: **Henderson's Early Jersey Wakefield.** (See page 22.)
For second early: **Henderson's Early Summer.** (See page 22.)

For midsummer or early fall use: **Henderson's Succession.** (See p. 10.)
For late winter use: **Henderson's Autumn King.** (See page 7.)

The colored plate gives an excellent representation of the three great novelties described below, and which we regard as the most valuable vegetables we have ever had the pleasure of introducing.

HENDERSON'S NEW BUSH LIMA BEAN.

A MATCHLESS RECORD!

175,000 Packets Sold in 1889, Hundreds of Flattering Testimonials.

Our **FULL SIZED SEALED** Packets this season contain 50 Beans each. Beware of smaller packets offered at cheaper rates.

This wonderful innovation created a greater furore last season than any vegetable novelty that has ever been offered. Those who never had a vegetable garden before were induced to plant the Henderson Bush Lima Bean, because it enabled them to have the most delicious of all vegetables without the trouble and expense of the unsightly poles. We received hundreds of most flattering letters from every State telling of its wonderful success. The specimen shown on colored plate was taken from the prize plant sent in last season, which had 271 pods on it at one time. 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 sorts. **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 consider 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 delicious quality.

Henderson's Bush Lima was a grand success last season. It can and should be grown in every garden. We are glad to now be able to offer it in bulk at the following reasonable prices:

25 cts. per packet of about 50 beans; 75 cts. per $\frac{1}{2}$ pint; \$1.00 per pint; \$1.50 per quart.

TWO CROPS A YEAR!

The Bush Lima Beans I bought of you this spring I planted on March 31st, and on May 31st began to pick and use. I have never seen any bean so prolific; we have had plenty for home use, and I have already *saved seed and planted* 6 rows, each 100 feet long. I count it the best thing in the vegetable line that has been sent out for the past twenty years, and just what we need for this portion of Texas, where we have such high winds.—JAMES MAXWELL, care of RICHARD KING, JR., Puerta Ranch, Collins P. O., Nueces Co., Texas, June 29th, 1889.

UNEQUALED IN QUALITY.

I bought of you last spring four packages of your Bush Lima Bean, from which I got a total of one hundred beans. A cold spell just after planting rotted some, so I had only sixty-eight plants in all. In spite of the very dry weather I picked about half the ripe seed and found I had 1,900 ripe pods, and the other half are not yet ripe. From one plant I picked 150 pods, and there are about 50 more unripe pods on the same plant. This is indeed very satisfactory. I wish I could introduce it here in Wisconsin, at our State Fair, for all farmers and gardeners ought to grow it, as there is no bean to equal it in taste or productiveness and it does not require so long cooking.—PETER FAGE, Madison, Wis., September 9th, 1889.

HIGH PRAISE FROM ONE WHO KNOWS.

Among the many testimonials received from parties who tested this great novelty last season, there was none that we valued more than the following from the pen of Mr. Wm. Falconer, the accomplished gardener of Chas. A. Dana, Esq., of the New York Sun, and which appeared in the *Rural New Yorker*, August, 1889. Mr. Falconer says: "Peter Henderson hit me hard last week. I was his guest at dinner, and we had some of those Bush Limas, and I had to admit that as a tender, delicious bean they are unsurpassed. He assures me that the great majority of amateurs will no longer be bothered with poles, and now they have gotten a dwarf form, thousands will grow Limas who never would before."

AN OPINION FROM SEEDSMEN.

We are pleased to say that we consider your Bush Lima Bean to be one of the most wonderful and valuable additions to the vegetable family that has been brought out in many years. All of our customers who have tried it are pleased with the results. We should be pleased to hear from you at once, as to what price you will be able to put upon the Bush Lima Bean in bulk this coming season, etc.—PARKER & WOOD, Seedsmen, Boston, Mass., October 19th, 1889.

YOSEMITE Mammoth Wax Bush Bean.

A GIANT AMONG BEANS.

This is the prototype of a new race of Wax Bush Beans, and is regarded by eminent authorities as second only in value and distinctiveness to the Bush Lima. The 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 ten to fourteen 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, per pkt., 15 cts.; $\frac{1}{2}$ pint, 75 cts.; per pint, \$1.25; per quart, \$2.00.

Henderson's Succession Cabbage.

HANDSOME, LARGE, AND A SURE HEADER.

It is now two years since we first offered HENDERSON'S SUCCESSION CABBAGE, and in that time it has probably been more thoroughly and critically tested than any other variety. On page 10 we give a few testimonials from practical growers, and which are samples of hundreds which we have received. The SUCCESSION is about one week later than the Early Summer, but is double the size, and is so finely bred that in a field of ten acres every head was a magnificent, perfect specimen, fit for exhibition purposes. Despite the low prices realized by the Cabbage crop last season, the SUCCESSION brought paying prices wherever grown, and may well be regarded as a boon to the gardening community. Owing to the scarcity of the seed, it has heretofore been very expensive, but we are now in a position to supply it at greatly reduced prices. (Shown on colored plate.) Price, 15c. pkt.; 8 pkts. \$1.00; 80c. oz.; \$2.50 $\frac{1}{4}$ lb.; \$8.00 lb.

PETER HENDERSON & CO.

35 & 37 (ORTLANDT ST. NEW YORK.

HENDERSON'S BUSH LIMA BEAN.

HENDERSON'S SUCCESSION CABBAGE.

YOSEMITE MAMMOTH WAX BEAN.

Henderson's

Succession Cabbage

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PETER HENDERSON & CO.

HENDERSON'S SUCCESSION CABBAGE

HANDSOME, LARGE, AND A SURE HEADER.

We have always been identified with the Cabbage trade, our stocks of all the varieties being the acknowledged standard of excellence in this country. The **SUCCESSION** we regard as the most valuable variety that has been introduced since the Early Summer (first sent out by us in 1874), and is the best Cabbage for either early or late use ever offered. The **SUCCESSION** is about one week later than the Early Summer, but is double the size, and is so finely bred that in a field of ten acres every head was a magnificent perfect specimen, fit for exhibition purposes. Despite the low prices realized by the Cabbage crop last season, the **SUCCESSION** brought paying prices wherever grown, and may well be regarded as a boon to the gardening community. Owing to the scarcity of the seed, it has heretofore been very expensive, but we are now in a position to supply it at greatly reduced prices. (Shown on colored plate.) 15 cts. per pkt.; 8 pkts. for \$1.00; 80 cts. per oz.; \$2.50 per $\frac{1}{4}$ lb.; \$8.00 per lb.

WORDS OF PRAISE FOR HENDERSON'S SUCCESSION CABBAGE.

A few Testimonials selected from several hundred received last season:

Succession Cabbage is the boss. It is the best of all Cabbages that come to Montgomery from everywhere, so all who use it say.—AMOS A. KAUNE, Montgomery, N. Y., July 31st, 1889.

The "Succession" Cabbage seed we had from you is doing splendidly, and we have it growing beside the "Surehead" to test them. As they are not fully developed yet, we cannot speak positively, but so far we much prefer the "Succession," which is the general opinion of all who have seen them.—WEBSTER BROS., Penguin, N. W. Coast Tasmania, Aug. 3d, 1889.

We found your Succession Cabbage in last season's trial to be all you claim for it, the best second early.—E. V. & J. H. EATON, So. Sudbury, Mass., Feb. 18th, 1889.

Your Yellow Globe Onion Seed did splendidly with me this season. The Mikado Tomato there is no use in saying anything about, and your Succession Cabbage is wonderful; it cannot be improved.—D. E. SWEET, Watertown, N. Y., Sept. 15th, 1889.

The seeds I ordered of you came to hand all O. K. I have bought seeds of you for fifteen years, and have always been well pleased with them. Your Succession

Cabbage is the finest I ever saw. Thanks for extras.—GEO. F. MILLER, Edella, Ia., March 7th, 1889.

I might say that the seed I got from you last produced the best results I ever had in my twenty-five years' experience. I must say of Succession Cabbage, that every head was marketable; in fact, I had the best Cabbages last season that I ever raised in my life.—JOHN P. WANDING, Fairport, N. Y.

The seeds and plants I bought of you this spring turned out as you represented them, and that is more than I can say of other firms. Your New Bush Lima Bean is a great acquisition, and I have no doubt that it will supplant the hideous pole Bean. Your Early Snowball Cauliflower far surpassed my expectations. For earliness and size it has no equal. I got 50 plants, and all but two made fine heads. Your Succession Cabbage surpasses anything I have ever grown. This is the third season I have grown your Mikado Tomato, and I can safely say, in productiveness and size it is superior to anything I have seen. Thanks for your kind attention and extras.—WM. A. BURGESS, JR., Gardener to J. Raymond, Inwood, N. Y., July 15th, 1889.

For a number of years in the front part of this Catalogue, under the head of "Novelties and Specialties," we have offered some specialties of sterling merit with which we have been long identified. This season lack of space compels us to put them in the "General List." The following were among the leading articles so transferred and will be found at the pages specified:

Now offered at page		Now offered at page		Now offered at page	
Asparagus..Palmetto.....	17	Cabbage.....Early Jersey Wakefield.....	22	Pea.....First of All.....	37
Bean.....Cylinder Black Wax.....	19	Cauliflower.....Henderson's Early Snowball.....	24	".....Blue Beauty and others.....	37
".....Black Eyed Wax.....	19	Celery.....White Plume.....	26	Tomato.....Dwarf Champion.....	14
Cabbage.....Early Summer.....	22	Lima Bean.....Jersey Extra Early.....	20	Water Melon.....Green and Gold.....	34
		Musk Melon.....New Early Hackensack.....	33

CELERY LETTUCE, TRIANON.

NEW LETTUCE, "Sunset."

(Novelty, 1890.)

A head Lettuce of splendid quality, with characteristics that commend it to all. It forms large, solid heads, of a rich golden yellow, a shade of color hitherto unknown in this class of Lettuce. It stands very long before going to seed, and is also an excellent keeper after being cut, a quality which will make it a desirable sort for shipping purposes as well as for private use. (See cut.) Price, 25 cts. per pkt.; \$1.50 per oz.; \$5.00 per $\frac{1}{4}$ lb.

LETTUCE, "SUNSET."

New Lettuce, "Big Boston."

(Novelty, 1890.)

This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is *double the size*. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A

most valuable variety either

for forcing or open ground planting. (See cut.)

Price, 20c. per pkt.; 50c. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

LETTUCE, "BIG BOSTON"

New Cos or Celery Lettuce, "Trianon."

(Novelty, 1890.)

This is the favorite class of Lettuces in Europe, and this variety is the very finest of its class; already they are becoming more popular here. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. They excel all other Lettuces in quality, having a taste and crispness unequaled. The leaves when bleached are stiff like Celery stalks and can be eaten in the same manner. (See cut.) Price, 25 cts. per pkt.; \$1.50 per oz.; \$5.00 per $\frac{1}{4}$ lb.

NEW MUSK MELON,

The "Delmonico."

Last season, owing to the excessive rains in most parts of the country, was a most unfavorable one for Melons of all kinds; but in every section where it had a fair chance, the "Delmonico" gave great satisfaction. It is an oval Melon of large size and deeply netted.

The flesh is an orange pink color of the same fine quality as the "Emerald Gem." Mr. C. P. Coy, Waterloo, Neb., probably the largest Melon grower in the world, writes us that the "Delmonico" was the only Musk Melon of uniform good quality with him last season. (See cut.) Price, 15 cts. per pkt.; 50c. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

The seeds arrived all right. Was much pleased with manner of packing. Accept my sincere thanks for complimentary seeds, on trial of which I shall be pleased to report success. I say success, because all I have ordered from year to year have been successful—S. B. ALLEN, M.D., Burdette, Schuyler Co., N. Y., May 5th, 1889.

DELMONICO MUSK MELON.

NEW WATERMELON, "Ruby Gold."

(Novelty, 1890.)

A new Seedling from Henderson's Green and Gold.

This splendid new Melon is a hybrid seedling of the famous "Green and Gold" Watermelon which was introduced by us in 1888. It excels in beauty and quality all other varieties. The distinct dark markings as shown in the engraving are the red flesh, and the light shade shows the yellow. The markings vary, in some specimens the yellow predominating, and in others the red. The "Ruby Gold" averages 40 to 50 lbs. in weight, and is considered by the best authorities to be the juiciest and finest flavored Watermelon ever raised in Georgia. (See cut.) 20 cts. per pkt.; 3 pkts. for 50 cts.; 7 for \$1.00.

RUBY GOLD WATERMELON.

+
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 ONION

Spanish King,

or "Prize Taker."

This is the large beautiful Onion that is seen every fall offered for sale at the fruit stores in New York and other large cities. They are a rich straw color and of enormous size, averaging 12 to 14 inches in circumference. Although of such great size, it is very hard and an excellent keeper. The flavor is mild and delicate, making the **Spanish King** a favorite variety for slicing for salads. (See cut.) Price, 15 cts. per pkt.; 60 cts. per oz.; \$2.00 per $\frac{1}{4}$ lb.; \$6.00 per lb.

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. (See cut.) Price, 10c. per pkt.; 35c. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

NEW ADRIATIC BARLETTA ONION.

TREBONS ONION.

NEW ONION

TREBONS.

This valuable variety is of French origin, having been popular there for several years. As shown by the cut, it is somewhat of the shape of our "Southport Yellow Globe," but is more elongated. The color is very distinct, being a delicate amber, and the quality is excellent. The "Trebons" is very solid, a good keeper and a desirable Onion in every way. We can recommend it. (See cut.) Price, 15 cts. per pkt.; 50 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

The "Trebons" is the finest Onion we have ever grown. Although the ground was not in good condition for onions, they grew very uniform and to a large size. If they keep good the coming winter, we shall plant largely of them next season. —Mrs. ROBERT L. KLINE, Deming, Washington Territory, October 1st, 1889.

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SPANISH KING OR "PRIZE TAKER" ONION.

NEW WHITE

"MULTIPLIER" ONION.

An Onion of pure white silvery color, as shown in the cut. It is very hardy, and will prove a grand acquisition to this class of Onions. White Onion seed is usually high priced, hence the advantage of a white "Multiplying" Onion of this kind. Very useful for pickling. The **New White Multiplier Onion** is enormously productive, and its handsome appearance will make it one of the most salable and profitable varieties that can be grown. (See cut.) Price of sets, 50 cts. per pint; 75 cts. per qt.; \$4.00 per peck.

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NEW WHITE "MULTIPLIER" ONION.

Copyrighted, 1889, by Peter Henderson & Co.

HENDERSON'S EARLY PURITAN.

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 cut, 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. Price, 20c. lb.; 4 lbs. for 60c. (postage, 8 cts. per lb. extra). 75c. peck; \$2.25 bush; \$4.50 bbl.

"BILL NYE."

This is a valuable new white kidney variety. It is a cross between "Beauty of Hebron" and the "Belle." It is very smooth and handsome, well studded with eyes, which are unusually shallow for a late potato. It is a vigorous grower, of first-class quality, and an enormous cropper. The tubers are easily dug, as they lie compact in the hill. One of the largest growers of seed potatoes in the United States informs us that he found more potatoes of this variety to the hill than any other sort, and, with his experience even, he was surprised to see his men throw them out of the hills in such quantities when they were dug. Last, but most notably, they are the best keepers we have ever seen. They can be kept in an ordinary cellar temperature until July following without sprouting. The "Bill Nye" is similar in shape and general appearance of tuber to "Burpee's Superior" or "Munroe Seedling," but is entirely distinct in habit, and superior from its remarkable late keeping qualities. Price, 30c. per lb.; 4 lbs. for \$1.00 (postage, 8c. per lb. extra). \$1.25 peck; \$4.00 bush.; \$8.00 bbl.

"PRIDE OF THE WEST."

A flattish-round, red-skinned variety. The tubers are very large in an ordinary season, having deep eyes but few in number. The quality when cooked is everything that can be desired. Its season of ripening is medium late, coming in about the same time as "Peerless" and "Jumbo." It is the strongest grower that we have seen, and considered to be the heaviest cropper in America to-day. Every one who saw this potato growing last season predicts a great future for it. Price, 30c. per lb.; 4 lbs. for \$1.00 (postage, 8c. per lb. extra). \$1.25 per peck; \$4.00 per bush.; \$8.00 per bbl.

SPECIAL OFFER. { One peck of each of the above 3 varieties of Potatoes for \$2.50
 One bushel " " " 3 " " 9.00
 One barrel " " " 3 " " 18.00

NEW PEA, "CHELSEA."

(Novelty, 1890.)

This fine new Dwarf Pea will be appreciated by all growers of early dwarf kinds, owing to its remarkable earliness and splendid quality. The plant grows 1 foot in height, and is of compact short-jointed habit; it is as early as *American Wonder* and earlier than *Little Gem*, and gives a much larger crop than either of these sorts, bearing in pairs from the bottom to the top an abundance of handsome pods, which are *half as long again* as those of any other first early dwarf kind. The pods are remarkably well filled, each containing eight to ten good sized peas of first-rate quality, which, when cooked, are rich, sugary, and of marrow-like flavor. (See cut.)

Price, 50 cts. per pt.; 75 cts. per qt.

New (Sugar) Pea, "Melting Sugar."

In a large and complete test of **Sugar Peas** made in our trial grounds, we found this variety to stand ahead of all others, not only in size of pod and prolific bearing, but also for its delicious quality. It grows to the height of five to six feet, bears a profusion of large, broad pods, which are generally found in pairs, and which are so brittle that they snap without any string. Being an edible podded variety, it should be used in much the same way as a Wax Bean. The pods when cooked are very sweet and tender. (See cut.) Price, 50 cts. per pint; 80 cts. per qt.; \$5.00 per peck.

ECKFORD'S NEW PEA, "Shropshire Hero."

(Novelty, 1890.)

This valuable, new, second-early, wrinkled pea, like most of our best varieties, is of British origin, being the result of careful hybridization at the hands of Mr. Eckford, so well known for his excellent strains of Sweet Peas. It is a robust grower, about 2½ feet high, producing long, handsome and well filled pods in abundance. Flavor exquisite. We recommend it to the notice of market gardeners especially, to whom it will prove an acquisition. This Pea was awarded a certificate of the first class by the Royal Horticultural Society in England. All lovers of Peas should try it. Stock limited.

Price, 75 cts. per pt.; \$1.00 per qt.; \$5.00 per peck.

NEW PEA, "CHELSEA."

Pepper, "Cardinal."

(Novelty, 1890.)

A very distinct variety, growing from 5 to 6 inches in length, being about 2 inches broad at the top and tapering to a point. This Pepper is slightly scimitar-shaped and is a glossy bright red color. Very sweet and thick fleshed.

Price, 20c. per pkt.; 6 pkts. for \$1.00; \$1.50 per oz.

NEW RADISH, "ELDORADO."

(Novelty, 1890.)

The Yellow Radishes are now coming into more

general use, as they make a pretty contrast mingled with the red varieties on the table. This novelty is identical with the old favorite Scarlet Turnip Radish in shape, size and quality, but is a golden yellow color. Very distinct and desirable. (See cut.)

Price, 15 cts. per pkt.; 40 cts. per oz.

New Celestial Radish.

(Novelty, 1890.)

A distinct novelty, the stock of which was imported direct from China. It is ready for use when 2½ or 3 inches long and continues until nearly 6 inches long, making it almost an all seasons' Radish. The flesh is firm and solid and pure white, and is very attractive in appearance. It may be grown successfully either in the open ground or for forcing in frames. (See cut.)

Price, 15 cts. per pkt.; 40 cts. per oz.; \$1.25 per ¼ lb.

The seeds you sent arrived in splendid condition. The "Mikado" is the finest Tomato I ever raised. Your "First of All" Peas are grand. From the peck I bought of you last year I realized over \$60.00, besides ½ bushel of seed. I shall never buy of any other seed-house as long as I can get seed from yours.—R. W. CRONE, Wilkesbarre, Pa., April 2d, 1889.

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MELTING SUGAR PEA.

Copyrighted, 1889, by Peter Henderson & Co.

RAPID FORCING RADISH. Copyrighted, 1889, by Peter Henderson & Co.

RAPID FORCING RADISH.

(Novelty, 1890.)

Our illustration gives a good idea of this fine variety. It resembles the Scarlet Turnip, White Tipped variety, but is much earlier, coming to maturity in 22 days from the time of sowing, and having very small tops will prove to be the Radish for forcing purposes. Being very handsome and of fine quality, it is equally desirable for the garden. (See cut.) Price, 15 cts. per pkt.; 40 cts. per oz.

Special Offer.

One packet each of the three New Radishes ("Eldorado," "Celestial" and "Rapid") for 35 cts.

LONG WHITE BUSH VEGETABLE MARROW SQUASH.

LONG WHITE BUSH Vegetable Marrow Squash.

This is a decided improvement on the old trailing vegetable Marrow Squash. The fruit is larger, handsomer, more ribbed or fluted than the ordinary kind, and is slightly curved, as shown in the above cut. When it is considered that being of strictly bush form and very prolific, a great many more Squashes can be grown on the same space of ground as compared with the old variety, which is a runner, it is evident that it will prove a very valuable variety. (See cut.)

Price, 15 cts. per pkt.; 40 cts. per oz.; \$1.00 per 1/4 lb.; \$3.00 per lb.

NEW WATERMELON, THE "WILD."

(Novelty, 1890.)

This variety is believed to have originated with the Seminole Indians in the Everglades of Florida. It is a long melon like the "Rattlesnake," resembling that variety in the markings on the rind, but far superior in quality. It also differs in shape from that well known sort, being much larger at the blossom end than at the stem end. In its native habitat it grows to an immense size, sometimes attaining the weight of 75 or 80 lbs. "Wild" was the name it received from the Indians. It is a fine Melon as to flavor, is crisp and ripens evenly within 1/4 inch of the outer rind. The seed is very peculiar and quite distinct from any other variety.

Price, 15 cts. per pkt.; 4 pkts. for 50 cts.; 75 cts. per oz.

HENDERSON'S

GOLDEN CUSTARD BUSH 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, and is wonderfully productive. This is a novelty of real merit; all who grew it last season will want it again. All others should try it. (See cut.) Price, 15 cts. per packet; 40 cts. per oz.; \$1.00 per 1/4 lb.; \$3.00 per lb.

HENDERSON'S GOLDEN CUSTARD SQUASH.

FORDHOOK SQUASH.

◀ FORDHOOK SQUASH ▶

(Novelty, 1890.)

The engraving herewith, accurately reproduced from a photograph, shows the shape of the Squash and the solidity of a section. It is extremely handsome, of a bright yellow outside, and straw-yellow within. The flesh is dry and sweet, and the best in quality of all Winter Squashes. Placed in a cool, dry room, keeps in perfect condition throughout the winter and spring, until late in June, when Summer Squashes are ready. The stem is thin and hard, and also the roots, consequently it is perfectly free from the attacks of the squash borer. Matures early, and is everywhere a sure cropper, being earlier in ripening than any other Winter Squash. It matures far north. Immensely productive. A remarkable keeper, yet the skin is very thin and delicate. The meat is very thick and seed cavity small. Another feature is that the green Squashes can be used at any stage of their growth, and in flavor are superior to any Summer Squash. (See cut.)

Price, per pkt., 15c.; 2 pkts. for 25c.; 5 pkts. for 60c.; or 10 pkts. for \$1.00.

I was pleasantly surprised to find your Summer Cabbage last September, the 8th, weighed, when cleaned off, 18 lbs., and when gathered in the fall, two-thirds of the patch weighed from 18 to 20 lbs. I had 13 heads of your Marblehead Mammoth, weighed 25 lbs. each, and from that down to 10 lbs. No dwarf in a small patch. From 1 lb. Early Puritan Potatoes I got 68 lbs. Think them nice and early; am very choice of them. My Evergreen Corn (seed got from you) took first prize at County Fair last fall.—A. F. TIFFANY, Oswego, N. Y.

◇ NEW TOMATO, "EARLY RUBY." ◇

(Novelty, 1890.)

A single plant of this new Tomato was first observed in a field of the "Perfection" variety, in the tomato-growing district of Monmouth County, N. J., by its being loaded with ripe fruit while all the rest of the crop was yet green. Last year, 1889, we examined the crop of nearly an acre on July 10th; it was then full of ripe fruit, while a field containing the "Perfection" and "Dwarf Champion" on the other side of the fence, which were sown and planted at the same time and otherwise treated exactly the same, were still green. We believe we are safe in saying that it is by far the *earliest* of all the *large-sized* Tomatoes which combine *good form, color and solidity*, and that it is certain to prove the *leading market* variety. The peculiar open habit of the plant, as shown by the cut, is a distinctive feature of this variety, and is the reason why it is earlier than any other variety, the sun having a better chance to reach and ripen the fruit than in more upright and compact varieties. The engraving is taken from a plant photographed in the field, July 20th. Any one familiar with Tomatoes will see that it shows an unusual quantity of fully developed fruit for that early date. To show how quickly the "Early Ruby" ripens, we would state that our grower delivered his entire crop of seed at our store on August 15th of last year, in good marketable condition. To all practical growers this fact alone is proof positive of its extreme earliness, as with ordinary varieties of Tomatoes we never expect new crop seed to be delivered before October 1st. (See cut.) Price, 20 cts. per packet; 6 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.
✦

THE FOLLOWING SPECIALTIES

will be found this season in our "General List" on the pages indicated, viz.:

Now offered at page		Now offered at page			
Asparagus.....	Palmetto	17	Celery.....	White Plume.....	26
Bean.....	Cylinder Black Wax.....	19	Musk Melon.....	New Early Hackensack.....	33
".....	Black Eyed Wax.....	19	Pea.....	First of All.....	37
".....	Lima.....	20	".....	Blue Beauty and others.....	37
Cabbage.....	Early Summer.....	22	Tomato.....	Dwarf Champion.....	45
".....	Early Jersey Wakefield.....	22	Water Melon.....	Green and Gold.....	34
Cauliflower.....	Henderson's Early Snowball.....	24			

Your White Plume Celery and Early Jersey Wakefield Cabbage cannot be equaled by any other varieties in the estimation of my customers and myself. The Dwarf Champion Tomato is all you claim it to be, and I think it is the cream of all the other varieties. By getting my seeds from you and no other seedsman, I can guarantee my vegetable plants to give satisfaction and to be true to name.—ALBERT STEWART, Stewart Lodge, O., January 19th, 1889.

THE GARDEN METHOD

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

German, *Artischoke*.—French, *Artichaut*.—Spanish, *Alcachofa*.

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. They only give a partial crop the first season, but the beds will remain in bearing for years. Protect in winter by a covering of leaves or coarse manure.

Large Globe, grown for the unripe flower heads, which are highly esteemed by epicures. 10 cts. per pkt.; 30 cts. per oz.

Grown exclusively for its tubers, which somewhat resemble potatoes, and are cultivated in a similar manner, only that the rows should be at least four feet apart when grown in strong soils. It is enormously productive, producing 1,500 bushels per acre. It is used mostly in feeding sheep and hogs. In some parts of the Southern States the tops are cut and dried as hay.

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.

A convenient bed is about six feet wide, with a path two feet on each side. This will require six rows one foot apart, and a bed of that width fifty feet long will be ample for an ordinary family, requiring about one pound of seed. It will require about three years from the time of sowing until the bed is in full bearing, but once established is good for twenty years. It should be sown in drills one foot apart, and when the plants are four or five inches high

they should be thinned out so that the plants will be one foot apart from each other in all the rows. Great care must be taken for the first year to keep down all weeds as soon as they appear, else they will choke up and destroy the young seedling *Asparagus*. The deeper the soil and greater abundance of manure that is used, the greater will be the crop.

THE PALMETTO. We first offered this new Asparagus in 1886. 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. Average bunches, containing fifteen shoots, measure 13½ inches in circumference, and weigh about 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 unequalled. (*See cut.*) The following note from the "AMERICAN GARDEN" shows what the Palmetto Asparagus will do under good cultivation:

TRULY GIANT ASPARAGUS.—We recently saw a bunch of the Palmetto Asparagus grown by Robert Nichols, a Philadelphia gardener, that beats anything of the sort we ever heard of. The bunch, composed of about fifty shoots, weighed 31½ pounds. It stood 2 feet high and was 27 inches in girth around the middle of the bunch. One might imagine from the length that it was past its best, but such was not the case, as it was just in condition to use. The grower states that it was a growth of only three days.—ED. AM. G.

15 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$2.50 per lb.

Colossal. The standard variety. The shoots are of the largest size; very productive and of the best quality. 5 cts. per pkt.; 10 cts. per oz.; 20 cts. per $\frac{1}{4}$ lb.; 60 cts. per lb.

If the roots are purchased a year or more is saved in time of coming into bearing.

THE PALMETTO. Splendid roots, \$2.00 per 100;
\$15.00 per 1,000. (50 roots at 100 rate; 500 at 1,000
rate.)

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.)

If Asparagus roots are to be sent by mail, add 30c. per 100 to above prices.

I would like to add a word about Henderson's Palmetto Asparagus. I planted a bed of one thousand roots in the spring of 1887. This, too, proved highly satisfactory. I do not know of any better Asparagus in this section.—JAMES MCCUTCHEON, "Tighnabruich," Greenwich, Ct. Nov. 4th, 1889.

HENDERSON'S NEW BUSH LIMA BEAN

HENDERSON'S NEW BUSH LIMA BEAN.

(See cut above, and colored plate and full description on page 10.)

Two Crops in One Season.

A remarkable feature of **HENDERSON'S BUSH LIMA BEAN**, developed last season, was the fact that (owing to its extreme earliness) in many of the Southern States, it is possible to grow two crops of this bean in one season. By sowing the seed in April, the plants grew and matured a crop by the end of July, which being planted on August 1st, was in full bearing in October. This would be impossible with any other variety of Lima Bean. (See cut.) 25c. pkt. (50 beans); 75c. $\frac{1}{2}$ pt.; \$1.00 pt.; \$1.50 qt. Each packet contains 50 beans or double the quantity of last season.

BEANS, Dwarf or Bush. {GREEN POD SORTS.

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 pk.; \$5.50 bu.

RHODE ISLAND DWARF CASEKNIFE. A continual bearer during the summer. Exceedingly early, and when young the beans are tender, and of very fine flavor. 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. 20c. pt.; 30c. qt.; \$1.25 pk.; \$4 bu.

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. (See cut.) 20 cts. pt.; 30 cts. qt.; \$1.25 peck; \$4.00 bush.

Large White Kidney. Excellent as a shell bean. 20 cts. pt.; 30 cts. qt.; \$1.50 peck; \$4.50 bush.

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

Dwarf Horticultural. A bush variety of the well known Horticultural Pole Bean. 25 cts. pt.; 40 cts. qt.; \$1.75 peck; \$6.00 bush.

Canadian Wonder. Very large pods, a good bearer. 20c. pt.; 35c. qt.; \$1.50 peck; \$5.00 bush.

BEANS, Dwarf or Bush. {GREEN POD SORTS.

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.

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.) 25 cts. pt.; 40 cts. qt.; \$2.00 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. 20c. pt.; 30c. 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. 20 cts. pt.; 30 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. 20 cts. pt.; 30 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. 20 cts. pt.; 30 cts. qt.; \$1.25 peck; \$4.00 bush.

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

GOLDEN REFUGEE.

LOW'S CHAM-

PION. A 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, 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." (See cut.) 15c. pt.; 25c. qt.; \$1.25 peck; \$4.00 bush.

LOW'S CHAMPION BEAN.

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.

HENDERSON'S EARLIEST RED VALENTINE.

The twelve packages of Bush Lima Beans I got from you turned out immensely. I have been dealing in Lima Beans for five years, but this far excels anything I ever saw in its line.—WM. H. JACKSON, Woodbridge, N. J., August 21st, 1889.

❖ BEANS, Dwarf or Bush. ❖

WAX POD VARIETIES.

WARDWELL'S DWARF KIDNEY WAX. 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.

GOLDEN-EYED WAX. (See Novelties, page 6.) 30 cts. pt.; 50 cts. qt.; \$3.00 pk.; \$10.00 bushel.

YOSEMITE MAMMOTH WAX. (See colored plate and description, page 8.) 15 cts. pkt.; 75 cts. ½ pt.; \$1.25 pt.; \$2.00 qt.

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 bushel.

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. 25 cts. pt.; 40 cts. qt.; \$1.75 peck; \$6.00 bushel.

BLACK-EYED WAX. Although introduced by us only 3 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. (See cut.) 25 cts. per pint; \$1.75 per peck; 40 cts. per quart; \$6.00 per bushel.

CYLINDER BLACK WAX BEAN.

CYLINDER BLACK WAX BEAN. 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, 30 cts. per pt.; 50 cts. per qt.; \$3.00 per peck; \$10.00 per 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; \$6.00 bushel.

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. 25 cts. pt.; 40 cts. 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. 20 cts. pt.; 30 cts. qt.; \$1.75 peck; \$6.00 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. 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. 25c. pt.; 40c. qt.; \$1.75 peck; \$6.00 bush.

BEANS, English or Broad.

German, Gartenbohne.—French, Fève de Marias.—Spanish, Haba.

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 ensure well filled pods, pinch off the tops as soon as the lower pods begin to set.

Add 15 cents per quart extra if to be sent by mail.

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

BROAD WINDSOR. Best for general use. 20c. pt.; 40c. qt.

Sword Long Pod. An excellent variety. 20c. per pt.; 40c. per qt.

WARDWELL'S DWARF KIDNEY WAX BEAN.

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PETER HENDERSON & CO.

BLACK-EYED WAX BUSH BEAN.

I send you a report of results from seeds bought of you last spring. Cylinder Black Wax is a first-class bean; the vines are green and bearing yet. Golden Cluster Wax is grand. I took your Early Puritan Potato to our Fair and received a premium for it.—JOHN ARNOLD, Welleville, N. Y., September 9th, 1890.

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

EARLY GOLDEN CLUSTER WAX. 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 pkts. for \$1.00; 40c. per pt.; 60c. per qt.; \$4.50 per peck; \$16.00 per bush.

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.; \$1.75 peck; \$6.00 bushel.

Horticultural or Speckled Cranberry. A popular variety for private use; equally serviceable in the green state or shelled. (*See cut.*) 20c. per pt.; 35c. per qt.; \$2.00 per peck; \$7.00 per bush.

SCARLET RUNNER. A great favorite in European gardens, both as an ornamental plant and useful vegetable. Grows to the height of 9 or 10 feet, presenting dazzling scarlet flowers from July to October. Used both as a string bean and shelled. Seeds when ripe lilac, mottled black. 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 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. 50 cts. pt.; 80 cts. qt.; \$5.00 peck; \$18.00 bushel.

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.

EARLY GOLDEN CLUSTER WAX BEAN.

JERSEY EXTRA EARLY LIMA BEAN.

→* LIMA BEANS. *←

JERSEY EXTRA EARLY LIMA. 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. 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. 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$9.00 bushel.

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 other Limas are. 30 cts. pt.; 50 cts. qt.; \$3.00 peck; \$9.00 bush.

HENDERSON'S NEW BUSH LIMA (see description on page 8, and Colored Plate, page 9). Price, 25 cts. per packet (of 50 beans); 75 cts. ½ pt.; \$1.00 per pt.; \$1.50 per qt.

HORTICULTURAL POLE BEAN.

Your Bush Lima Bean is a grand success. I am picking by the bushel.—F. A. FARRELL, 1238 McKean St., Phila., Pa., July 18th, 1889.
I consider the Henderson Lawn Grass Seed the best I have ever used.—JAMES P. KERNOCHAN, Newport, R. I., November 9th, 1889.

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 is that which is rather light and 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.

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. 5c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; 65c. 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 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 75 cts. 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 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. 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. 5c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; 65c. 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 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

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

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

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

PINEAPPLE. A highly esteemed English variety, of rich, deep crimson color. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ 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 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

Swiss Chard, Silver or Sea-Kale Beet. Cultivated solely for its leaves. The midrib 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 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

BEET, Sugar, and Mangel Wurzel.

See Farm Seed Department.

BORECOLE (see Kale).

EDMAND'S EARLY BEET.

Edmand's Early Beet.

It is the most uniform of all Turnip Beets, with very small tops, the neat, short foliage being of a rich bronzy red. The Beets are of a handsome round shape, very smooth and of good marketable size. Its uniformity, handsome appearance, small top and single tap root commend it to the Market Gardener, and for table use scarcely any variety can equal it in fine quality; the skin is deep blood red in color, the flesh also is dark red and exceedingly sweet and tender. (See cut.) 10 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

MITCHELL'S PERFECTED. (See Novelties, page 6.) 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BROCCOLI.

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

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.

LONG SMOOTH BLOOD BEET.

WHITE CAPE.

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

PURPLE CAPE.

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

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

BRUSSELS SPROUTS.

German, *Kopfkohl Gruner*.—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 cts. pkt.; 20 cts. oz.; 70 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

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

DEWING'S IMPROVED BEET.

ECLIPSE BEET.

DWARF BRUSSELS SPROUTS.

EXPRESS CABBAGE.

EXPRESS. 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 Premier in character and appearance, having solid, compact heads of conical form, of a yellowish green color, very desirable. (See cut.) 15c. pkt.; 40c. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

2d Early Varieties.

HENDERSON'S EARLY SUMMER. 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 today 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*. 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. (See cut.) Price, 10 cts. per pkt.; 35 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

HENDERSON'S SUCCESSION. (See colored plate and description, page 10.) 15 cts. pkt.; 8 for \$1.00; 80 cts. oz.; \$2.50 $\frac{1}{4}$ lb.; \$8.00 lb.

LARGE EARLY YORK. A favorite variety. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 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. 10c. pkt.; 25c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.00 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.

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. 10 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

Cabbage Plants

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

Cabbage, Cauliflower and Celery Plants.—Our *Special* catalogue ready June 15th, and will be mailed on application.

Large quantities at special rates.

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.

Of the early varieties of Cabbage, 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.

Early Varieties.

HENDERSON'S SELECTED EARLY JERSEY WAKEFIELD. 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.; 35 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per 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 FRENCH OXHEART. A favorite market variety. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

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

HENDERSON'S EARLY JERSEY WAKEFIELD.

PREMIER CABBAGE.

HENDERSON'S EARLY SUMMER CABBAGE.

Last year most of our gardeners used very largely an "Improved Early Summer Cabbage," that claimed to be an improvement on "Henderson's." They will not do it again. While your Early Summer Cabbage holds up to its high standard, it will be hard to supplant it in this section.—DANIEL SMITH, Mobile, Ala., June 4th, 1889.

CABBAGE—Continued.

LATE VARIETIES.

AUTUMN KING. (See *Novelties*, page 7.) 20 cts. pkt.; \$1.00 oz.; \$3.50 $\frac{1}{4}$ lb.; \$12.00 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. (See *cut.*) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

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 largely grown as an early fall sort; is very tender, and of superior flavor. 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

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. 10 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.25 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.

SAVOY VARIETIES.

MIDSUMMER SAVOY. 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, and of a delicate light green color. (See *cut.*) 15 cts. per pkt.; 40 cts. per oz. \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

MIDSUMMER SAVOY.

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.

CAPER.

Large Spanish. (See *cut.*) 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

COLLARDS, True Georgia.

French, *Chou*.—German, *Blätter-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 8c. per lb. 5 cts. pkt.; 15 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.10 lb.

CAPER.

A half hardy trailing shrub, the buds of which are gathered just before expanding, and unripe fruit pickled, making the famous "Caper Sauce." (See *cut.*) 15 cts. pkt.; \$1.00 oz.

CHICORY.

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

HENDERSON'S SELECTED LATE FLAT DUTCH.

SAVOY VARIETIES—Continued.

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

AMERICAN DRUMHEAD SAVOY. The largest heading Savoy; of excellent flavor. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

RED CABBAGE.

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. 10 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY BLOOD RED ERFURT. Earlier than the preceding. Valuable for pickling. 10 cts. pkt.; 30 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 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.

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 8c. per lb.

LARGE SPANISH CARDOON.

My seeds received, and as is always the case, I am well pleased with them. Please accept my thanks for the large complimentary package of seeds, and allow me to congratulate you on the beautiful method of packing adopted in place of the cumbersome box.—J. C. WEEMS, Manassas, Va., March 4th, 1889.

CAULIFLOWER.

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

Any soil that will grow Cabbage will grow Cauliflower; 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 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. (See cut.)

25 cts. pkt.; \$4.00 oz.; \$14.00 $\frac{1}{4}$ lb.

EXTRA EARLY DWARF ERFURT. A favorite early market variety. 20 cts. 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. 15c. packet; \$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 cts. pkt.; 75 cts. oz.; \$2.25 $\frac{1}{4}$ lb.; \$8.00 lb.

EARLY LONDON. An excellent and very early variety. 10 cts. pkt.; 60 cts. 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 cts. pkt.; 75 cts. 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. (See cut.) 15c. pkt.; \$1 oz.; \$3 $\frac{1}{4}$ lb.; \$10.00 lb.

ALGIERS CAULIFLOWER.

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

VEITCH'S AUTUMNGIANT. A late sort that seems to do particularly well in the Southern States. 10c. pkt.; 60c. 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.

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 cts. 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. (See cut.) 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.; \$3.00 lb.

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 cts. per lb.

5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

CHERVIL, CURLED.

❖❖ 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 8c. lb.

HENDERSON'S INTERMEDIATE. A most excellent variety for either field or garden culture, large, symmetrical roots of a deep orange-red; in size between the Half Long and Long Orange varieties. They are smooth and straight, and free from roughness. The tops are small, considering the size of the roots. (See cut.) 10 cts. per pkt.; 20 cts. per oz.; 40 cts. per $\frac{1}{4}$ lb.; \$1.25 per lb.

CHANTENAY HALF LONG SCARLET. (Cut 2.) A stump-rooted variety, somewhat resembling the well known Nantes Carrot, but having a larger shoulder and being much more productive. 10c. pkt.; 20c. oz.; 40c. $\frac{1}{4}$ lb.; \$1.25 lb.

OXHEART OR GUERANDE. (Cut 5.) In length it is intermediate between the Danvers and Short Horn Carrot. Excellent for table use. (See cut.) 10c. pkt.; 25c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.00 lb.

EARLY FRENCH FORCING. (Cut 1.) The earliest variety and one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. 10c. pkt.; 20c. oz.; 40c. $\frac{1}{4}$ lb.; \$1.25 lb.

EARLY SCARLET HORN. (Cut 6.) Favorite for early crop, but not large. Sold in New York markets bunched up in the green state. It matures 8 to 10 days earlier than the Long Orange, and is sometimes used for forcing. 5c. pkt.; 10c. oz.; 35c. $\frac{1}{4}$ lb.; 90c. lb.

HALF LONG RED. (Stump Rooted.) (Cut 4.) In size and time of maturity it is between the Early Scarlet Horn and the Long Orange. 5c. pkt.; 10c. oz.; 35c. $\frac{1}{4}$ lb.; 90c. lb.

EARLY HALF LONG SCARLET. (Pointed Rooted.) Differing from the preceding variety only in having a pointed instead of a stump or blunted root. 5c. pkt.; 10c. oz.; 35c. $\frac{1}{4}$ lb.; 90c. lb.

EARLY HALF LONG SCARLET CA-RENTAN. 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.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

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. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 80c. lb.

Mr Everett B. Clark, Milford, Ct., the well known seed grower and expert in such matters, writes us under date Sept. 30th, 1889, as follows: "Your Bush Lima certainly is a good thing, being very hardy and productive, ripening early and holding green a long time. It fills a place where it was needed." Price of the Bush Lima this season: 25c. pkt.; 75c. $\frac{1}{2}$ pt.; \$1 pt.; \$1.50 qt.

GUERANDE CARROT.

HENDERSON'S INTERMEDIATE CARROT.

mous crops. The seed should be sown in April (latitude of New York), in rows 12 to 15 inches apart. 10 cts. pkt.; \$1.50 oz.

Extra Curled. Very fine; may be cut two or three times. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 60c. 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. 5c. pkt.; 15c. oz.; 35c. $\frac{1}{4}$ 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 cts. per lb.

10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.

BUNCH OF CARROTS. See descriptions.

DANVERS. (Cut 3.) 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. $\frac{1}{4}$ lb.; 90 cts. lb.

ALTRINGHAM. A large and fine flavored red Carrot, grown for stock-feeding purposes. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ 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. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

YELLOW BELGIAN. When young the roots are mild and delicate; and when full grown, valuable for stock. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. 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. (*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 enor-

* **CELERY.** *

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

Sow in the open ground as soon as it is fit to work in April, and keep clear of weeds until the time of planting in June and July. The tops are shown off once or twice before planting, so as to insure "stocky" plants, which suffer less on being transplanted. Plant in rows 3 feet apart for the dwarf varieties, and 4 to 5 feet for the larger sorts, and set 6 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." By pressing 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. 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. About the middle of August 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." 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. 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 $\frac{1}{2}$ 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 CELERY.

THE EARLIEST, HANDSOMEST AND EASIEST GROWN.

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." It is fine flavored, early and a good keeper.

10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.50 lb.

GOLDEN SELF-BLANCHING. (See *Novelties*, page 6.) 15 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

GIANT PASCAL. (See *Novelties*, page 6.) 25 cts. pkt.; 5 for \$1.00; 12 for \$2.00.

* **HENDERSON'S HALF DWARF.** 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. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

* **WHITE WALNUT.** Of dwarf habit, seldom attaining a height of more than 20 inches, solid and heavy. 10 cts. pkt.; 35 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

* **GOLDEN DWARF.** In the great Celery growing districts at Kalamazoo, Mich., it is the variety that is nearly altogether planted. When blanched the heart is of a waxy golden yellow, rendering it a most attractive and showy variety; entirely solid, of excellent flavor, and one of the best keepers during the winter. 10 cts. pkt.; 35 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 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.; 35 cts. oz.; 75 cts. $\frac{1}{4}$ 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. 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. $\frac{1}{4}$ lb.; \$2.50 lb.

THE BOUQUET CELERY (Fern-leaved). This belongs to the same class as the Golden Dwarf, being of fine quality, and having beautifully curled or fringed foliage, which renders it novel and showy. It makes a most beautiful table ornament, having the appearance of a foliage bouquet. Unsurpassed in flavor. 15 cts. per pkt.; 40 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Sandringham Dwarf White. Excellent variety, remarkable for its fine flavor and solidity. 10c. pkt.; 35c. oz.; 80c. $\frac{1}{4}$ lb.; \$2.50 lb.

* **HENDERSON'S DWARF WHITE.** This variety 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.; 35 cts. oz.; 80 cts. $\frac{1}{4}$ 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. $\frac{1}{4}$ lb.; \$2.50 lb.

RED CELERIES.

* **HENDERSON'S NEW ROSE CELERY.** Our sales for seeds and plants of the rose or red Celeries are yearly increasing, as the people begin to understand 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. Not only that, as a rule, they are better flavored and more crisp, but that they are hardier and keep better during winter. Henderson's New Rose is the most desirable of its class. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

* **LONDON RED.** Is one of the best, having every requisite good quality. 10 cts. pkt.; 35 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

MAJOR CLARKE'S PINK. An excellent variety, of medium growth, of stiff, close habit, large heart, remarkably solid and crisp, and of fine walnut flavor. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

Hood's Dwarf Red. An excellent dwarf variety, solid and crisp. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

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

CELERIC (Turnip-Rooted Celery).

French, *Céleri-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 Celeric, 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. The finest variety yet introduced. (See cut.) 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 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.

❖ 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.

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 CUCUMBER.

NICHOL'S MEDIUM GREEN. As a pickle, for early forcing purposes or for slicing there is no better variety. It is exceedingly productive, of medium size, always straight and smooth. The color is dark green, the flesh tender and crisp. (See cut.) 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 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.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

WHITE PERFECTION. (See *Novelties*, page 6.) 25 cts. pkt.; 5 pkts. for \$1.00.

Boston Pickling. Largely used about Boston by market gardeners. A very productive kind, of superior quality. 5 cts. pkt.; 15c. oz.; 25c. $\frac{1}{4}$ lb.; 80c. lb.

LONG GREEN. A fine long fruit, of excellent quality, dark green, firm and crisp. 5 cts. pkt.; 15 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.; 15 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.

IMPROVED EARLY WHITE SPINE. 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. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

LARGE SMOOTH PRAGUE CELERIC.

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.; 15 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.; 15 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.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

EXTRA EARLY GREEN PROLIFIC. Shape and yield same as a good stock of Green Prolific Cucumber, but 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. (See cut.) 10c. pkt.; 25c. oz.; 60c. $\frac{1}{4}$ lb.; \$2.00 lb.

EXTRA LONG WHITE SPINE.

Similar to the above, but larger. Also largely used for forcing. 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

English Frame or Forcing Varieties.

Lord Kenyon's Favorite.

Telegraph.

Duke of Edinburgh.

Cuthill's Black Spine.

25 cts. per pkt. for any of the above.

EXTRA EARLY GREEN PROLIFIC.

IMPROVED EARLY WHITE SPINE.

I received the packet for trial of your Extra Early Green Prolific Cucumber, which I planted on May 23d. It was much earlier than any I have ever seen; full and of a good size. I am much pleased with it and can recommend it to any one wishing an early stock of Green Prolific.—C. C. SLEE, Perrymans, Jan. 2d, 1889.

STABLER'S EARLY.

THE "HENDERSON."

The Sweet Corn
Cory

COPYRIGHTED 1887
BY PETER HENDERSON & CO.
NEW YORK

the Earliest Corn
Known.

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.

Extra Early Varieties.

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.) 25 cts. pt.; 35 cts. qt.; \$2.00 peck; \$6.00 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. 15c. pt.; 25c. qt.; \$1.25 peck; \$4 bush.

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.; 25 cts. qt.; \$1.25 peck; \$4.00 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 a popular market variety. 15c. pt.; 25c. qt.; \$1.25 pk.; \$4 bu.

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 good sized ears very low down. 20 cts. pt.; 30 cts. qt.; \$1.25 peck; \$4.00 bu.

Early Varieties.

NE PLUS ULTRA. (See *Novelties*, page 7.) 40c. pt.; 70c. qt.

SHAKER'S EARLY. Large pearly white kernels of delicious flavor. It matures immediately after the **Early Minnesota**, but the ears are much larger. 15c. pt.; 25c. qt.; \$1.50 peck; \$4.50 bush.

EARLY NARRAGANSETT. 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 an early variety. 15c. pt.; 25c. qt.; \$1.25 pk.; \$4 bu.

CROSBY'S EARLY. Early and a great favorite. Rather small ears, but productive and of excellent quality. 15c. pt.; 25c. qt.; \$1.25 pk.; \$4 bu.

STABLER'S EARLY. Ripens a few days after the **Adams' Early**, and will yield an abundant crop, while other early varieties are too small to be profitable either for market or canning. (See cut.) 15 cts. pt.; 25 cts. qt.; \$1.25 pk.; \$4.00 bush.

Medium Early Varieties.

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.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Black Mexican. A black kernalled variety; one of the sweetest of all. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

THE "HENDERSON." 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. (See cut.) 20 cts. pt.; 30 cts. qt.; \$1.50 peck; \$4.50 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**. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

Moore's Early Concord. Ears large and well filled; early and unsurpassed for richness and delicacy of flavor. 15c. pt.; 25c. qt.; \$1.25 peck; \$4.00 bush.

LARGE EARLY EIGHT-ROWED. One of the best; ears long; cob white. 15 cts. pt.; 25 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.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

SQUANTUM. 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.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

HICKOX IMPROVED. Of medium earliness, 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.; 25 cts. qt.; \$1.25 peck; \$4.00 bush.

CORN, SUGAR (Continued.)

Late Varieties.

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.; 25 cts. qt.; \$1.25 peck; \$4.00 bushel.

MAMMOTH. A late variety, producing ears of very large size and fine flavor. It is unusually productive. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bushel.

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.; 25 cts. qt.; \$1.25 peck; \$4.00 bushel.

TRIUMPH. Said to be the earliest of the large varieties. Flavor rich and sweet; largely grown as a market sort. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.00 bushel.

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 Pearl. Smooth grained ears, 4 to 5 ins. long, by $\frac{7}{8}$ to $1\frac{1}{8}$ ins. diameter; good for either family or market use. Price, \$8.00 per 100 lbs.; 10 cts. per single lb.; or by mail 20c. lb.

EARLY AMBER RICE. A new and distinct shade of color; it matures very early and is in every respect a first-class pop corn. (See cut.) \$18.00 per 100 lbs.; single lb., 20c.; or by mail, 30c.

WHITE RICE. (Rat Tooth.) A very fine white variety, ears 4 to 5 inches in length, and 1 to $1\frac{1}{2}$ in diameter. Kernel pointed. Especially salable among the retail grocers. Price, per 100 lbs., \$8.00; per lb., 10 cts.; by mail, 20 cts.

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 pot 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.

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

EARLY LONG PURPLE. Differs in shape from the following. 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.

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. 15c. pkt.; 60c. oz.; \$2.00 $\frac{1}{4}$ 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.

GARLIC.—See Onion Sets, page 35.

EARLY WHITE VIENNA KOHL RABI.

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

EARLY PURPLE VIENNA. Almost identical with the preceding, except in color, which is a bluish purple. 5 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

DANDELION, LARGE LEAVED.

be sown in May or June, in drills half an inch deep and 12 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. (See cut.) 15c. pkt.; 50c. oz.

ENDIVE

German, *Endivien*.—French, *Chicoree*.—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.

WHITE CURLED ENDIVE.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. 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. 10 cts. pkt.; 25 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.) 10c. pkt.; 25c. oz.; 50c. $\frac{1}{4}$ 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.

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

EARLY PURPLE VIENNA. Almost identical with the preceding, except in color, which is a bluish purple. 5 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 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 is stringy. (See cut.) 5c. pkt.; 25c. oz.; 60c. $\frac{1}{4}$ lb.; \$2.00 lb.

AMBER RICE POP CORN.

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

DEFIANCE SUMMER LETTUCE.

HENDERSON'S NEW YORK LETTUCE.

LARGE INDIA LETTUCE.

DRUMHEAD OR MALTA LETTUCE.

SALAMANDER LETTUCE.

BROWN DUTCH LETTUCE.

LETTUCE.—Head Varieties.

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.

BIG BOSTON. (See *Novelties*, page 11.) 20 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

SUNSET. (See *Novelties*, page 11.) 25 cts. pkt.; \$1.50 oz.; \$5.00 $\frac{1}{4}$ lb.

HENDERSON'S NEW YORK. 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. (See *cut.*) 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 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.; \$2.00 lb.

DRUMHEAD OR MALTA. Heads very large, crisp, tender, and of good flavor; one of the best summer varieties. (See *cut.*) 5 cts. pkt.; 20 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. 5c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.50 lb.

BLACK SEEDED BUTTER. Similar to Tennis Ball, but larger. Used extensively as an out-door variety. 10 cts. pkt.; 20 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. (See *cut.*) 5 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

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.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

HANSON. Heads green, with white heart. Large size, crisp and tender. 10 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. (See *cut.*) 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BROWN DUTCH. Very hardy. One of the best for winter use. (See *cut.*) 5 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 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.

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.

Would say that I wish your method of doing business was more generally known amongst our people in country places, feeling assured that many would get a great deal more for their money, and better too.—O. L. UNDERHILL, Brownville, N. Y.

PARIS WHITE COS LETTUCE.

BOSTON MARKET LETTUCE.

BLACK-SEEDED SIMPSON LETTUCE.

LETTUCE.—Head Varieties.

(Continued.)

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.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 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.

FORCING VARIETIES.

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. (See cut.) 10c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.50 lb.

TENNIS BALL BLACK-SEEDED. 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.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

WHEELER'S TOM THUMB. A small, but very sweet forcing variety. 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

COS OR ROMAINE LETTUCE.

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. (See cut.) 10 cts. pkt.; 20 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

CELERY LETTUCE "TRIANON." (See Novelties, page 11.) 25 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

LETTUCE—Curled Varieties.

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. 10 cts. pkt.; 20 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. (See cut.) 10 cts. pkt.; 20 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.; 20 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. (See cut.) 5 cts. pkt.; 20 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. (See cut.) 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BOSTON CURLED LETTUCE.

GREEN FRINGED LETTUCE.

OAK-LEAVED LETTUCE

OUR SPECIAL ARTIST.

In view of a general tendency in the seed trade to show greatly exaggerated representations of flowers, fruits and vegetables, we have for the last two years secured the services of a most competent artist, who has been exclusively engaged in producing truthful and life-like sketches of the various articles offered in this Catalogue.

The Succession Cabbages were the finest I ever saw. Fully 95 out of every 100 made good, large heads. Could cut hundreds that weighed 12 to 13 lbs. per head, trimmed close. One specimen weighed 19 lbs.—JOHN ARNOLD, Cedar Rapids, Ia., October 6th, 1889.

Last spring I bought a dollar's worth of your Lima Bush Beans. I have been more than satisfied with the result. The yield has been beyond my anticipations.—FERDINAND HOFFMANN, Stockbridge, Mass., October 7th, 1889.

❖ 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.) 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

COTTAGER'S KALE. 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. This sort is of great value, as it is very curly and tender, and from its upright habit can be grown close together. It is said to be earlier than the Dwarf Green Curled Scotch, which will be a decided advantage. (See cut.) Price, 15 cts. per pkt.; 50 cts. per 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 close to the ground. 10c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ 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.

DWARF GREEN CURLED SCOTCH KALE.

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, that 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. (See cut.) 5 cts. pkt.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

Musselburgh. (Scotch Champion.) Grows to a large size. 10c. pkt.; 25c. oz.; 60c. $\frac{1}{4}$ lb.; \$2.00 lb.

Large Rouen. A large and excellent variety. 10 cts. pkt.; 25 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.; \$3.00 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.

LEEK, LARGE AMERICAN FLAG.

KALE, HALF DWARF FRINGED.

MUSTARD, NEW CHINESE.

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. 5 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts. 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. (See cut.) 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 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. (See cut.)

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.

MUSHROOMS.

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 cents per lb.

EMERALD GEM. The most distinct and the most deliciously flavored Melon we ever came across. Very early and prolific; skin ribbed, yet 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 10c. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

NEW EARLY HACKENSACK MUSK MELON.

NEW EARLY HACKENSACK.

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. (See cut.) 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

DELMONICO. (See *Novelties*, page 11.) 15 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

MONTREAL MARKET. Excellent variety of the largest size; we have had them weighing over 20 lbs. In shape almost round, flattened at ends, deeply ribbed; skin green and netted. Flesh green, very thick. (See cut.) 5c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; \$1 lb.

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.

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. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Jenny Lind. An early variety, of small size, but excellent flavor. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

White Japan. Early, medium sized, roundish; skin cream white; flesh of fine flavor. 10c. pkt.; 20c. oz.; 35c. $\frac{1}{4}$ lb.; 80c. lb.

Nutmeg. Fruit nutmeg shape; skin deep green, finely netted; flesh greenish yellow, rich and sugary. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

BALTIMORE, or ACME. 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.

BANANA. A long, slender variety with salmon flesh. 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 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. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; 80 cts. lb.

GREEN CITRON. This excellent sort is of medium size, deeply netted, of globular shape, and six to eight inches in diameter. Flesh green, and of fine flavor. 10c. pkt.; 20c. oz.; 35c. $\frac{1}{4}$ lb.; \$1 lb.

SKILLMAN'S NETTED. Form roundish oval; flesh deep green, sweet, and richly perfumed; an early and delicious variety. 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 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. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Large Yellow Cantaloupe. Flesh reddish orange, sweet and of good flavor; early and productive. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Large Yellow. A large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet. Used in the green state for "Mangoes." 10c. pkt.; 20c. oz.; 35c. $\frac{1}{4}$ lb.; \$1.00 lb.

Surprise. This sort has a thin, cream colored skin, and thick salmon colored flesh; is an early variety of delicious flavor. 10 cts. pkt.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

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

MILLER'S CREAM. Few melons can be compared with this in point of flavor; it is one of the most delicious we ever tasted; the flesh is a rich salmon color, very thick, sweet, rich and delicious. It has a very thin rind, and finely netted. It is a vigorous grower, very productive, and covers the ground with beautiful solid fruit. This melon is undoubtedly one of the finest, best flavored and most profitable. 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

EMERALD GEM MUSK MELON.

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 brightorange. 10c. pkt.; 20c. oz.; 35c. $\frac{1}{4}$ lb.; \$1.00 lb.

MONTREAL MARKET.

The plants, seeds and fertilizer ordered from you came to hand in good order, and we are more than satisfied with the way in which you filled the order. Your liberality in adding free plants and seeds far exceeds our previous experience with seedsmen. Please accept our thanks.—HENRY J. BAEZ, Carbondale, Pa., May 29th, 1889.

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.

Watermelons 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.

RUBY GOLD. (See *Novelties*, page 11.) 20 cts. pkt.; 3 pkts., 50 cts.; 7 pkts., \$1.00.

THE WILD. (See *Novelties*, page 15.) 15c. pkt.; 4 pkts., 50c.; 75c. oz. **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. A Russian variety, of perfect globe shape, small size, and weighing 10 to 15 lbs. The flesh is bright crimson, and in crispness and delicacy of flavor is unsurpassed. 10 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

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

MAMMOTH IRONCLAD. Excellent, of large size and weight, 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. For shipping and keeping qualities the Ironclad is unsurpassed. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

JORDAN'S GRAY MONARCH.

This new and distinct Melon is, without doubt, the largest of all, frequently attaining a weight of ninety pounds and over. The skin is a mottled gray color, shape long, flesh bright crimson and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances. 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

FLORIDA FAVORITE. Oblong in shape, growing to very large size; rind dark with light green stripes; flesh light crimson, very crisp and deliciously sweet; seed rather small and of a creamy-white color. It ripened the past season ten days earlier than the Kolb Gem, Ironclad or Rattlesnake, all planted at the same time. We offer seed grown by the originator. (See *cut.*) 10 cts. per pkt.; 20 cts. per oz.; 40c. $\frac{1}{4}$ lb.; \$1.25 lb.

NEW SEMINOLE. It is extra early, enormously productive, very large and of splendid flavor. The seed will often produce gray and green melons on one vine, but the number of the former predominates. One of the finest Melons yet introduced. (See *cut.*) 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

GREEN AND GOLD WATERMELON.

FLORIDA FAVORITE WATERMELON.

NEW SEMINOLE WATERMELON.

KOLB'S GEM. Largely grown, particularly in the South, for shipment to Northern markets. As a shipping melon it has hardly an equal. The fruit is nearly round; rind dark green, somewhat marbled with lighter shades. Weight, 25 to 50 lbs. 10 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

THE "BOSS" WATERMELON.

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. (See *cut.*) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

HENDERSON'S GREEN AND GOLD.

This beautiful variety was introduced by us. The Melons are of good size, from 25 to 45 lbs. in weight. It is the largest early variety in cultivation, very productive, and of delicious flavor. Rind very thin, being only from $\frac{3}{8}$ to $\frac{1}{2}$ inch in thickness. Independent of the delicious flavor, 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.; 25 cts. per oz.; 60 cts. per $\frac{1}{4}$ lb.; \$2.00 per 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.

PHINNEY'S EARLY. Flesh deep red, of very superior quality; early and productive; a valuable market variety. 10 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MOUNTAIN SWEET. Fruit oblong, dark green, rind thin, flesh red, solid and very sweet. 10 cts. pkt.; 15 cts. oz.; 30 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, of large size. Flesh crisp and sweet. 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 only. 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, giving it special value for shipping purposes. Flesh light crimson and of excellent quality. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

I had some handsome Cauliflower from your seed. It all headed. Two were very large. I did not weigh them. I sold them to one of my neighbors who did not raise any, as his did not head. It is all you claim for it.—ROBT. ATKINSON, Amherst, N. H., March, 1889.

FROM
PETER HENDERSON & CO'S
MANUAL OF
EVERYTHING
 FOR THE GARDEN.

ECKFORD'S NEW LARGE FLOWERING
 SWEET PEAS

HENDERSON'S NEW MAMMOTH
 BUTTERFLY PANSIES

- 1. Large pink and white flower
- 2. White flower with yellow center
- 3. Large pink flower
- 4. Red and white striped flower
- 5. Blue and white flower
- 6. Small pink flower
- 7. Small red flower
- 8. Small blue flower
- 9. Large red and white flower
- 10. Small yellow flower
- 11. Small red flower
- 12. Large yellow and red flower
- 13. Large yellow and red flower
- 14. Large yellow and red flower
- 15. Large yellow and red flower
- 16. Large yellow and red flower

BOKHARA BELL FLOWER.

NEW RED BALSAM APPLE.

(*Momordica involuerata*.)

A beautiful new rapid growing luxuriant climber from the mountains of Natal. The vines are strong, climb high and in every direction, rapidly covering trellises, arbors, etc., with vivid green, deeply cut foliage. The flowers are borne in lavish profusion and are very large; some are creamy white dotted with black, and others pure white with red pistils. The flowers are succeeded by beautiful sulphur-yellow fruits 2 inches long, which change to rich carmine-scarlet; when ripe they burst and show the seeds of blood-red color. As the fruits and flowers are borne on the vine at the same time, the gorgeous effect can be imagined. (See cut.) Price, per packet, 25 cts.

Heliotrope, "Queen of Night."

A beautiful, rich black-purple variety of thrifty, robust habit, deliciously fragrant; large sized flowers, easily grown from seed. Per packet, 15c.

NEW DWARF ALONSOA.

(*Alonsoa linifolia gracilis*.)

A beautiful dwarf variety scarcely one foot in height; leaves light green, side branches pyramidally arranged around the stem, bearing on the top of each long panicles of bright, orange-scarlet blooms. This Alonsoa is one of the loveliest summer flowering plants, and is equally desirable for bedding out and for cultivating in pots. Per packet, 25c.

New Giant Forget-me-not.

(*Mysotidium nobile*.)

A most beautiful perennial, growing about 1½ feet high, producing during the spring months, and occasionally in the autumn, large dense clusters of Forget-me-not bloom of marvelous and delicate beauty. The individual florets are one-half an inch across; brilliant blue, shading to white at the centre. The leaves are large, nearly 10 inches in diameter. It succeeds best in a half shady, damp situation, and when transplanted the roots should be disturbed as little as possible. A charming and rare novelty and called the "*Ne Plus Ultra*" of Forget-me-nots. (See cut.) Per pkt., 25c.

BOKHARA BELL FLOWER.

(*Ostrowskia magnifica*.)

This new Bell Flower is a plant of such a stately beauty that every lover of hardy plants should grow it. It is a hardy perennial herbaceous plant (flowering the second season from seed), stately and beautiful. It forms a tall bush 3 to 5 feet high, surmounted with enormous bell-shaped flowers 6 inches across, of an exquisite lavender shade, veined with purple. It was unanimously awarded a First Class Certificate by the Royal Horticultural Society of London. (See cut.) Price per packet, 25 cts.

New Phlox, "Ball of Stars."

(*P. Drummondii Cuspidata*, "Light Ball.")

This new variety forms dense round plants not over 6 to 8 inches high, and is fairly covered with star-shaped flowers similar to, though slightly smaller than, those of Phlox "Star of Quedlinburg," which has given such excellent satisfaction. The flowers are produced in such profusion that none of the foliage shows excepting on the lower part of the plant, making it truly a "Ball of Stars."

Price, per packet of mixed colors, 25 cts.

Mignonette, Red Victoria.

A very fine, distinct, profuse-flowering variety of dwarf-branching habit, bearing large and compact trusses of deep red flowers, very fragrant; excellent for outdoor or pot culture. Packet, 10c.

NEW ROSE COLORED ALPINE PRIMROSE.

(*Primula rosea*.)

A new hardy variety from Kashmir, totally distinct from any other and a perfect gem. It throws up spikes, sometimes as many as 12 to a plant, 4 to 6 inches high in the spring, each spike surmounted with heads of from 6 to 10 large blossoms, 1 inch across, of a charming bright rosy carmine, with yellow eye. It is a handsome species. It comes from seed quickly, grows with amazing rapidity in ordinary soil, and is so free flowering that the smallest plants throw up flower stems.

Price, per packet, 25 cts.

NEW RED BALSAM APPLE.

NEW GIANT FORGET-ME-NOT.

MELONS, WATER.—Continued.

TRUE GEORGIA RATTLE-SNAKE, or GYPSY. Fruit large, oblong, striped; flesh red, of fine quality. An excellent variety for market. 5 cts. pkt.; 10c. 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.

HUNGARIAN HONEY. This superb variety ripens early. The flesh is a very brilliant red color and perfectly stringless, of a very rich honey flavor; the color of the skin is a handsome medium dark green. The melons are very uniform and of medium size. 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

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. 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.) 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.; 75c. lb.

Improved Dwarf Green. Early and productive. 5 cts. pkt.; 19 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.

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 $\frac{1}{2}$ 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.) 5c. pkt.; 15c. oz.; 25c. $\frac{1}{4}$ lb.; 60 cts. lb.

The Student. A fine flavored variety. 5c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; \$1.00 lb.

Early Round. An early variety, but of small size. 5c. pkt.; 15c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

WHITE VELVET OKRA.

PARSLEY.

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

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 $\frac{1}{2}$ 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. (See cut.) 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

EXTRA DOUBLE CURLED. A fine dwarf variety, beautifully curled; excellent for garnishing. 10c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; \$1 lb.

CHAMPION MOSS CURLED. A very select stock, beautifully crimped and curled. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Fern-Leaved. A very beautiful variety, being more like a crested fern or moss than Parsley; very valuable for table decoration. 5c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ 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. $\frac{1}{4}$ 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. $\frac{1}{4}$ lb.; \$1.00 lb.

ONION SETS.

Red Onion Sets, 30 cts. qt.; \$2.00 pk. White, 35 cts. qt.; \$2.50 pk.

Yellow, 25 cts. qt.; \$1.75 pk. Potato Onions, 25 cts. qt.; \$1.75

pk. Top, or Button Onions, 30 cts. qt.; \$2.00 pk.

(See cut.)

Shallots. (See cut.) 25 cts. qt.; \$1.50 pk.

Garlic Sets. 40 cts. lb.

WHITE MULTIPLIER. 50c. pint; 75c. quart;
\$4.00 peck. (See Novelties, page 12.)

Accept many thanks for the extras you sent with my last order. They were all nice, fresh seed, and have come up beautifully.—Mrs. L. A. KENDALL, Houston, Tex., March 4th, 1889.

ONION SETS.

SHALLOTS.

ONION.

WE would warn buyers to beware of CHEAP and INFERIOR stocks of Onion Seed at low prices, many of which will doubtless be put upon the market this season. The presence of such seed is due to the fact that in 1888 the Onion crop realized unprecedentedly low prices, which resulted in growers carrying over their bulbs for seed in 1889; such amateur seed growers exercise no care in the selection of the bulbs, hence the seed raised from these is certain to be of inferior quality. The seed which we offer this season was grown by experienced growers under our personal supervision, is of high germination and of the finest quality.

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 8 cts. per lb.

WHITE BUNCH. A very handsome white variety of vigorous habit, producing 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.) 10c. pkt.; 20c. oz.; 60c. $\frac{1}{4}$ lb.; \$2.00 lb.

SPANISH KING. (See Novelties, page 12.) 15c. pkt.; 60c. oz.; \$2.00 $\frac{1}{4}$ lb.; \$6.00 lb.

TREBONS. (See Novelties, page 12.) 15c. pkt.; 50c. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5 lb.

NEW ADRIATIC BARLETTA. (See Novelties, page 12.) 10 cts. pkt.; 35 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

Extra Early Flat Red. A light colored Onion, good keeper, the earliest of all. 10c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.75 lb.

WETHERSFIELD LARGE RED. A favorite sort for general crop. A large yielder and a good keeper. (See cut.) 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.40 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.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

SOUTHPORT YELLOW GLOBE. Same shape as White Globe; color yellow. An excellent keeper. Our stock of this is perhaps the finest in the country. 10 cts. pkt.; 30 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

LARGE RED GLOBE. Differs from the preceding only in color. (See cut.) 10c. pkt.; 25c. oz.; 50c. $\frac{1}{4}$ 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.; 20 cts. oz.; 35 cts. $\frac{1}{4}$ lb.; \$1.20 lb.

SOUTHPORT WHITE GLOBE. Handsome globular Onion, of mild flavor; good keeper. One of the best. 10c. pkt.; 30c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.50 lb.

WETHERSFIELD LARGE RED ONION.

YELLOW GLOBE DANVERS. A globe-shaped variety; one of the best yielders, and a splendid keeper. (See cut.) 10 cts. pkt.; 20 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.30 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. 5c. pkt.; 20c. oz.; 35c. $\frac{1}{4}$ lb.; \$1.20 lb.

ITALIAN ONIONS.

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

NEW MAMMOTH POMPEII. (Red Garganus.) This is a very fine Italian variety, rivaling the large Silver

WHITE BUNCH ONION.

King or Giant White Garganus in weight. It has produced 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. 10c. pkt.; 30c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.25 lb.

QUEEN. This is the earliest of all onions, small, flat, white and mild flavored. 10c. pkt.; 25c. oz.; 75c. $\frac{1}{4}$ lb.; \$2.25 lb.

NEAPOLITAN MARZAJOLA. An early white, flat onion of fine flavor. 10c. pkt.; 25c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.75 lb.

GIANT ROCCA. Very large growing globe-shaped variety of a reddish brown color. Flavor mild and sweet. 10c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.75 lb.

LARGE WHITE ITALIAN TRIPOLI. A new and excellent variety of quick growth and mild flavor. 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

LARGE RED ITALIAN TRIPOLI. This has the same characteristics as the White Tripoli; distinct in color, however. 10c. pkt.; 25c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.75 lb.

NEW GIANT WHITE GARGANUS. (Silver King.)

Single onions of this variety, grown from seed the first season, have weighed as much as 3 lbs. 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.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.25 lb.
White. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.25 lb.

Allow me to express my satisfaction with the seeds and plants you have heretofore sent me. In renewing my order for seeds and later for plants, you have the best mark of my appreciation of the quality and quantity sent me last year.—MRS. ADRIAN V. MARTENSE, Flatbush, N. Y.

LARGE RED GLOBE ONION.

YELLOW GLOBE DANVERS ONION.

Those desiring to purchase Onion Seed in lots of 10 lbs. and upward are invited to write for special prices.

AMERICAN WONDER PEAS.

Dwarf Extra Early Peas.

BLUE BEAUTY. Its distinctive feature is its *unusually regular habit of growth*. Of a uniform height of 1 $\frac{3}{4}$ ft., so smooth and level in its growth that it resembles a well kept hedge. It is a blue, round pea, and is nearly as early as the American Wonder. Pods of medium size, borne in the greatest profusion, and are well filled for so early a pea. In quality and flavor Blue Beauty cannot be surpassed. (See cut.) 25c. pt.; 40c. qt.; \$2.50 peck; \$8.00 bush.

Blue Peter (McLean's). 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. Height, 3 $\frac{1}{4}$ ft. 20c. pt.; 35c. qt.; \$2 peck; \$7 bush.

Tom Thumb. Remarkably dwarf and early, of excellent quality, and yields abundantly. Height, 1 foot. 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bush.

EXTRA EARLY PEAS OF MEDIUM HEIGHT.

HENDERSON'S FIRST OF ALL. The best extra early Pea ever offered. This variety is unequalled for excellence, yield, size of pod and regularity of growth. Height, 2 $\frac{1}{2}$ feet or 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. 20 cts. pt.; 30 cts. qt.; \$1.50 peck; \$5.00 bush.

BLUE BEAUTY
PEA.

20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bush.
* **CHELSEA.** (See *Novelties*, page 14.) Height, 1 ft. 50 cts. pt.; 75 cts. qt.
* **LITTLE GEM (McLEAN'S).** A green wrinkled variety which comes into use a few days later than the First of All or Improved Daniel O'Rourke. 18 inches high; very prolific, and of excellent flavor. 20 cts. pt.; 30 cts. qt.; \$1.60 peck; \$6.00 bush.
* **PREMIUM GEM, EXTRA EARLY.** A very fine dwarf pea of the Little Gem type, on which it is a great improvement. Height, 15 inches. 20 cts. pt.; 30 cts. qt.; \$1.75 peck; \$6.50 bush.

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 no time to dry up.—SARAH PEARSON, Lowellville, Ohio.
We planted Blue Beauty Peas March 23d, at the same time with the American Wonder;

they gave us peas one week after the Wonder, but as a good eating Pea are unsurpassed; they were ready for use six days ahead of the Alpha. They are all you claim for them.—MRS. ROBERT L. KLINE DEMING, Washington, Oct. 1st, 1899.

PEAS.

German, *Erbse*. — French, *Pois*. — Spanish, *Guizante*. 1 qt. for 75 feet of drill. 2 to 3 bushels in drills for $\frac{1}{2}$ acre. If sent by mail, 15 cts. qt. extra.

Some idea of the attention Σ at 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 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 garde. relis which is offered on page 94 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.

DWARF EXTRA EARLY PEAS.

($\frac{3}{4}$ to 1 $\frac{1}{4}$ feet high.) REQUIRING NO STAKING.

Those marked thus * are Wrinkled Varieties.

* **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. The peas are wrinkled, and its distinctiveness consists in its extreme dwarf growth. Of the finest quality. Height, 9 inches. (See cut.)

20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.00 bush.

* **CHELSEA.** (See *Novelties*, page 14.) Height, 1 ft. 50 cts. pt.; 75 cts. qt.

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

* **PREMIUM GEM, EXTRA EARLY.** A very fine dwarf pea of the Little Gem type, on which it is a great improvement. Height, 15 inches. 20 cts. pt.; 30 cts. qt.; \$1.75 peck; \$6.50 bush.

EXTRA EARLY PEAS—HENDERSON'S FIRST OF ALL.

HORSFORD'S MARKET GARDEN PEA.

Dwarf, Second Early Peas.

(2 feet.)

***HORSFORD'S MARKET GARDEN.** A grand wrinkled variety, coming in between Little Gem and Advancer. The vines are uniformly two feet high, and very even and regular in growth. It is a prolific bearer, and has yielded more per acre than any other American variety. The pods, although of medium size, are numerous, and are literally packed with peas of a delicious sweet flavor. (See cut.) 25c. pt.; 40c. qt.; \$2.00 pk.; \$6.00 bushel.

***BLISS'S ABUNDANCE.** A second early variety, attaining a height of 2 ft. Pods 3 to 3½ in. 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. 20c. pt.; 35c. qt.; \$2.00 pk.; \$7.00 bu.

Extra Early Peas of Medium Height. 2½ to 3 feet.
Those marked thus * are Wrinkled Varieties.

IMPROVED DANIEL O'ROURKE. A favorite extra early variety. Height, 3 ft. 15 cts. pt.; 25 cts. qt.; \$1.25 pk.; \$4.00 per bushel.

Philadelphia Extra Early. Height, 3 ft. A very desirable early variety, largely grown South. 15c. pt.; 20c. qt.; \$1.25 peck; \$4.00 bushel.

FIRST AND BEST. Height, 3 ft. 15 cts. pt.; 20 cts. qt.; \$1.25 peck; \$4.00 bushel.

RURAL NEW YORKER. A first-class early variety. 15c. pt.; 25c. qt.; \$1.25 pk.; \$4 bu.

Caractacus. An early productive Pea of good flavor; one of the best early round kinds. Height, 3 ft. 15 cts. pt.; 20 cts. qt.; \$1.25 pk.; \$4.00 bushel.

***LAXTON'S ALPHA.** The earliest of all the medium height wrinkled Peas, of fine quality and very prolific; pods large and well filled. Height, 3 ft. 20 cts. pt.; 30 cts. qt.; \$1.75 peck; \$6.00 bushel.

Second Early Peas of Medium Height. (2½ to 3 feet.)

***SHROPSHIRE HERO.** (See *Novelties*, page 14.) 75 cts. pt.; \$1.00 qt.; \$5.00 pk.

***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.; 20 cts. qt.; \$1.25 pk.; \$4.50 bushel.

***HENDERSON'S MIDSUMMER.** A second early and new white, wrinkled variety. Height, 3 ft. The pods are produced in pairs, and it is a most abundant bearer. The quality leaves nothing to be desired. Price, 25 cts. pt.; 40 cts. qt.; \$2.50 pk.; \$8.00 bu.

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 pk.; \$6.50 bush.

EDIBLE PODDED or SUGAR PEAS.

TALL SUGAR. (Edible pods.) Can be used either shelled or cooked in the pods, which, when young, are very tender and sweet. Height, 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.

MELTING SUGAR. (See *Novelties*, page 14.) Height, 5 to 6 feet. 50 cts. pt.; 80 cts. qt.; \$5.00 peck.

I beg to acknowledge the receipt of two packages containing goods ordered. I thank you for promptness and for the careful way in which seeds were packed. — JOHN HOSKIN, Q. C., Toronto, Can., Apl. 18th, 1889.

EVER-BEARING PEA.

Dwarf Late or Main Crop Peas. (2 feet.)

***STRATAGEM.** By many this variety is considered the best of the recently introduced English Peas. It is a dwarf, wrinkled, blue marrow, a very heavy cropper, and produces large, remarkably well filled pods of excellent flavor. Height, 2 feet. 25 cts. pt.; 40 cts. qt.; \$2.75 peck; \$10.00 bushel.

***BLISS'S EVER-BEARING.** A continuous bearing variety, which gives it especial value for late summer and autumn use. Height, 2 ft.; foliage large. Pods, 3 to 4 inches long, producing 6 to 8 large wrinkled peas, half an inch

and over in diameter; quality unsurpassed. It should be sown considerably thinner than other kinds, else the vines will become too crowded. (See cut.) 20 cts. pt.; 40 cts. qt.; \$2.00 peck; \$7.50 bushel.

PRIDE OF THE MARKET. Is a strong growing Pea, 2 feet high, wonderfully productive. The pods are also of large size and handsome appearance, and the peas are of splendid quality. (See cut.) 20 cts. pt.; 35 cts. qt.; \$2.00 peck; \$7.50 bu.

Those marked thus * are Wrinkled Varieties.

PRIDE OF THE MARKET PEA.

Among the new varieties of Potatoes that I tested on my trial grounds was your Early Puritan. You sent one tuber, from which I grew 47¼ lbs. Please say for me to all wishing a choice early Potato to send for your Early Puritan.—H. O. McFADDEN, Importer and Hybridizer of Choice Potato Seed, New Pittsburg, O., Dec. 17th, 1888.

Late or Main Crop Peas of Medium Height.

(2½ to 3 feet.)

Those marked thus * are Wrinkled Varieties.

***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 and popular wrinkled green marrow pea of branching habit, and an abundant bearer.

Height, 2½ feet. 15c. pt.; 25c. qt.; \$1.60 peck; \$5.50 bush.

***VEITCH'S PERFECTION.** A large and delicious marrow pea, and an abundant cropper. Height, 3 feet. 20 cts. pt.; 35 cts. qt.; \$2.50 peck; \$8.00 bush.

***YORKSHIRE GEM.** We can strongly recommend this as a first-class pea. A medium early, light green, wrinkled variety, large, well filled pods, abundantly produced. It is of excellent flavor; it has the merit of not being subject to

mildew. Height, 2½ ft. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$8.00 bush.

***DR. McLEAN.** A green wrinkled pea, highly desirable. Height, 2½ feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$7.00 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. Height, 3 feet. 15 cts. pt.; 25 cts. qt.; \$1.25 peck; \$4.50 bush.

CULVERWELL'S TELEGRAPH. A strong grower, producing large pods, containing 10 to 12 large peas in each. Peas, when cooked, are of a deep green color, and of very fine flavor. (See cut.) 20c. pt.; 35c. qt.; \$2.25 pk.; \$8.00 bush.

TALL, LATE OR MAIN CROP PEAS. (4½ to 5 feet.)

Those marked thus * are Wrinkled Varieties.

***CHAMPION OF ENGLAND.** This is yet, by general consent, acknowledged to be the best of the late varieties. It is a tall growing sort. The pods and peas are of the largest size and excellent quality. Height, 5 feet. 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. Height, 4½ feet. 20 cts. pt.; 35 cts. qt.; \$2.50 peck; \$9.00 bush.

***SANDER'S MARROW.** A tall, very late and immense cropping variety. The pods are produced in pairs, and are well filled with fine, large wrinkled peas, the largest that we have ever seen; the quality is sweet and delicious. It has the desirable peculiarity of retaining its deep green color when dished for the table. Sander's Marrow is a great favorite with experts in Great Britain, and should be grown by every one desiring a really first-class Pea. Height, 5 feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$7.00 bush.

***PAYNE'S CONQUEROR.** Of the finest quality, tall growing. Height, 5 feet. 25 cts. pt.; 40 cts. qt.; \$2.50 peck; \$7.00 bush.

***AMERICAN CHAMPION.** The number of testimonials we received favorable to the American Champion Pea only confirms the high opinion we had formed of it in our trials before offering it for sale. We consider it one of the very best late Peas sent out in years. It is one of the largest of all Peas, enormously productive, and its flavor and quality closely approach that of the well known Champion of England. The pods are produced in pairs and are well filled, and are much larger than those of the Champion of England. Each pod contains from nine to twelve large, fine peas. It is a tall growing sort, of branching habit; it should be sown thinly. Height, 4½ feet. (See cut.) 25c. pt.; 40c. qt.; \$3.00 peck; \$10.00 bu.

***FORTY-FOLD.** An improved variety of the Champion of England. 15c. pt.; 25c. qt.; \$1.00 peck; \$5.50 bush.

***BRITISH QUEEN.** A tall, white wrinkled variety, fine quality. 20c. pt.; 40c. qt.; \$2.00 peck; \$7.50 bush.

WHITE MARROWFAT. A productive and popular marrow sort; largely grown as a field variety. Height, 5 feet. 15 cts. pt.; 20 cts. qt.; \$1.00 peck; \$3.00 bush.

BLACK-EYED MARROWFAT. This is extensively grown as a field Pea; hardy and productive, but not so fine flavored as most other varieties. Height, 5 feet. 15 cts. pt.; 20 cts. qt.; \$1.00 peck; \$3.00 bush.

The success I had last year with my Mikado Tomato must have been great. I set out perhaps a dozen plants, and from them we must have picked over two bushels of ripe tomatoes, while quite as many were caught by our hard frosts. One specimen weighed 4 lbs.—ANNIE HOWELLS TRICHETTE, Ottawa, Can., February 5th, 1889.

POTATO.

German, *Kartoffel*.—French, *Pomme de Terre*.

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 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.

EARLY VARIETIES.

HENDERSON'S EARLY PURITAN.

Awarded the medal of excellence at the American Institute Fair in 1888. See full description on page 13. (See cut.) 1 lb., 20 cts.; 4 lbs.

for 60 cts.; by mail, postage 8 cts. per lb. extra. 75c. per peck; \$2.25 bush.; \$4.50 bbl.

VANGUARD.

The earliest variety. 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.; \$3.50 bbl.

EARLY ROSH.

The leading variety for earliness, quality and productiveness. 60c. peck; \$2.00 bushel; \$3.50 bbl.

EARLY SUNRISE.

Introduced in 1883. Very early and productive. 60 cts. peck; \$2.00 bush.; \$3.50 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.; \$3.50 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.; \$3.50 bbl.

CLARK'S No. 1.

Said to be earlier than the Early Rose, and very productive. Cooks mealy; flavor excellent. 60 cts. peck; \$2.00 bush.; \$3.50 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.; \$3.50 bbl.

PEARL OF SAVOY.

Is certainly very early and productive. The tubers are oblong and of large size, the flesh pearly white and mealy. 60 cts. peck; \$2.00 bush.; \$3.50 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.; \$3.50 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.

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. 60 cts. peck; \$2.00 bush.; \$3.50 bbl.

THORBURN.

This is a very desirable variety for early use; is very productive, and of excellent quality. It is a seedling from "Beauty of Hebron," which it somewhat resembles, but it is a decided improvement on that variety. 60 cts. peck; \$2.00 bush.; \$3.50 bbl.

MEDIUM EARLY VARIETIES.

RURAL NEW YORKER, No. 2.

Large and smooth variety of excellent quality; white skin and flesh, with few and shallow eyes. Introduced last season. \$1.00 peck; \$3 bush.; \$6 bbl.

In drills 3 feet apart; 12 to 14 bushels to the acre.

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; \$3.50 bbl.

GREEN MOUNTAIN. Originated in Vermont. This variety is highly spoken of, tubers large and handsome, medium-oblong in shape, white eyes, few and shallow, a vigorous grower, and all together one of the very best medium early varieties, especially for market purposes. 60c. peck; \$2 bush.; \$3.50 bbl.

DELAWARE. One of the greatest authorities in America says that he considers this one of the most valuable of the new varieties. It is medium early; the tubers are oblong, pure white and rough skinned, betokening good quality. 70c. peck; \$2.00 bushel; \$4.00 bbl.

Late or Main Crop Varieties.

PRIDE OF THE WEST. (See *Novelties*, page 13.) \$1.25 peck; \$4.00 bush.; \$8.00 bbl.

BILL NYE. (See *Novelties*, page 13.) \$1.25 peck; \$4 bush.; \$8 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. 60 cts. peck; \$2.00 bushel; \$3.50 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.; \$3.50 bbl.

MORNING STAR. A late sort, of better quality than most of the heavy croppers. 60 cts. peck; \$2.00 bush.; \$3.50 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. 60c. peck; \$2 bu.; \$3.50 bbl.

WHITE ELEPHANT. Late, large, good quality and enormously productive. 60 cts. peck; \$2.00 bush.; \$3.50 bbl.

WHITE STAR. Medium early and large cropper; cooking qualities of the best; a good keeper. 60 cts. peck; \$2 bush.; \$3.50 bbl.

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

Potato Seed, 50 cts. per packet.

GENERAL NOTE.—All Potatoes will be undersized this year, but will be none the worse on that account for seed purposes. All through the Eastern States last year the vines scalded badly before the potatoes came to maturity.

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 cts. per lb.

CARDINAL. (See *Novelties*, page 14.) 20 cts. pkt.; 6 pkts. for \$1.00; \$1.50 oz.

RED CLUSTER. 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. (See *cut*.) 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.

CHILD'S CELESTIAL. Creamy white, changing to vivid scarlet. 10 cts. pkt.; 50 cts. 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. 10c. pkt.; 40c. oz.; \$1.25 $\frac{1}{4}$ lb.

SWEET SPANISH. One of the largest and earliest varieties; the flesh is sweet and mild. 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

LARGE BELL, or BULL NOSE. An early variety of mild flavor and a favorite sort both for pickling and for use in the natural state. (See *cut*.) 10 cts. pkt.; 35 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

GOLDEN DAWN. Of the same shape and size as the Large Bell, but of more delicate flavor, while the color, as the name indicates, is a beautiful golden yellow. (See *cut*.) 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. 10c. pkt.; 40c. 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.

GOLDEN DAWN PEPPER.

Long Yellow Cayenne. Similar in shape to the Long Red, but of a rich, glossy yellow; both varieties are very ornamental. 10c. pkt.; 35c. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3 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 lb.

RED CLUSTER PEPPER.

❖ 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. This 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*.) 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.

NANTUCKET. Has a hard shell and is one of the very sweetest Pumpkins in existence. When cooked the flesh resembles the Hubbard Squash. 5 cts. pkt.; 10 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

LARGE CHEESE. The best variety for cooking purposes. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

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 appearance resembles Winter Crookneck Squash; color white, striped and mottled with green. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 80c. 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. Smaller than Large Field, but of finer grain. First-rate either for the table or for feeding to stock. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. lb.

LARGE BELL OR BULL NOSE PEPPER.

Jonathan
Pumpkin.

With two years' trial of the White Plume Celery I find it the best variety ever raised. I am now selling it in the Providence market for \$1.50 per doz., the highest price paid. I have raised at the rate of over \$2,000 worth White Plume Celery per acre. I am fully convinced that I can realize this season \$3,000 from an acre with less than \$500 expenses for labor, manure, etc.—ROBERT NIVEN, 630 Broad St., Providence, R. I., Jan. 2d, 1889.

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. per lb.

Early Round or Turnip-Shaped Radishes.

EL DORADO. (See *Novelties*, page 14.) 15 cts. pkt.; 40 cts. oz.

RAPID FORCING. (See *Novelties*, page 15.) 15 cts. pkt.; 40 cts. oz.

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 green-house 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.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

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.; 25 cts. oz.; 60 cts. $\frac{1}{4}$ lb.; \$1.75 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 variety is grown

largely for early market in this vicinity. 10 cts. pkt.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

WHITE TIPPED SCARLET TURNIP. Early, of medium size, handsome and of excellent flavor. (See *cut.*) 10c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; 65c. lb.

EARLY SCARLET TURNIP. Very delicate in flavor, and for this reason in great demand for home consumption. (See *cut.*) 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 65c. lb.

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

VIOLET WHITE TIPPED TURNIP. Desirable as an early, rapid grower; deep violet, lower portion clear white. Like all so-called "white tipped" sorts, it is better pulled young. 5c. pkt.; 15c. oz.; 35c. $\frac{1}{4}$ lb.; \$1.00 lb.

Radishes.
EARLY WHITE TURNIP. SCARLET TURNIP. WHITE TIPPED SCARLET TURNIP.

EARLY OLIVE-SHAPED RADISHES.

RED ROCKET. 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. 10 cts. pkt.; 20 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

FRENCH BREAKFAST. A variety of quick growth, mild and tender, and one of the best for forcing. Oval form, scarlet tipped with white. (See *cut.*) 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 65 cts. lb.

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

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

OLIVE-SHAPED VIOLET, 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 lb.

Early Long Radishes.

CELESTIAL. (See *Novelties*, page 14.) 15 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ 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 in. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 65c. 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.

OLIVE SCARLET. OLIVE WHITE. FRENCH BREAKFAST.

An excellent variety for forcing. (See *cut.*) 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 65c. 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.

Summer Radishes.

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

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

CHARTIER. WHITE STRASBURG. WOOD'S EARLY FRAME.

The seeds I received from you were very good; I am well pleased with them. I got three Puritan potatoes from you and had 202 lbs. off the three potatoes. Can any of your growers beat that?—PATRICK O'CALLAGHAN, Westville, N. S., September 3d, 1889.

SUMMER RADISHES—Continued.

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

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.

WHITE STRASBURG. Suitable alike for market and private gardens. It is of a tapering shape, skin and flesh both white. It is an excellent summer variety, being tender, crisp, and of fine flavor, and a quick grower. (See cut.) 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 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.) 5 cts. pkt.; 15 cts. oz.; 40 cts. $\frac{1}{4}$ lb.; \$1.25 lb.

WINTER RADISHES.

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

SALSIFY, or Oyster Plant.

German, *Bocksbart*.—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.

SANDWICH ISLAND MAMMOTH. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. (See cut.) 15c. pkt.; 50c. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

SANDWICH ISLAND MAMMOTH SALSIFY.

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

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

SPINACH.

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

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.

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

Victoria. Very large; later than the 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 47.

ROSE CHINA WINTER RADISH.

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.

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

SEA-KALE.

German, *Seekohl Meerkohl*.—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. Used for salads. 5c. pkt.; 20c. oz.; 50c. $\frac{1}{4}$ lb.; \$1.50 lb.

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

HENDERSON'S NORFOLK SAVOY LEAVED. 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. 5c. pkt.; 10c. oz.; 15c. $\frac{1}{4}$ lb.; 40c. 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.) 5c. pkt.; 10c. 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.

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.

I wish to tell you how well pleased I am with the Early Puritan Potato purchased of you last year. I have been a large potato grower for years, but can say it is the earliest, most productive, and best keeping early potato I ever raised. From 2 lbs. (with ordinary culture) I raised 100 lbs.—Jno. M. Carr, Wilmet Flat, N. H., April 30, '92.

YELLOW SUMMER CROOKNECK SQUASH.

EARLY PROLIFIC MARROW SQUASH.

SQUASH.

German, Kurbiss.—French, Courge.—Spanish, Calabasa Tomtanaera.

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.

Squashes are of luxuriant and vigorous growth, and although they will grow readily on almost any soil, they 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.

Summer Squash.

GOLDEN CUSTARD BUSH. (See *Novelties*, page 15.) 15 cts. pkt.; 40 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 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.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

YELLOW BUSH SCALLOPED. Differs from the above only in color. 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

YELLOW 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. (See *cut.*) 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

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. It is a very early bush variety with white flesh; when young the rind is mottled gray, turning to a buff color when ripe. It is much hardier and is easier grown. 10 cts. pkt.; 20 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

VEGETABLE MARROW. Long White Bush. (See *Novelties*, page 15.) 15 cts. pkt.; 40 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.00 lb.

VEGETABLE MARROW (Common). 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. Plant eight feet apart. 5 cts. pkt.; 15 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

PERFECT GEM. Equally desirable either as a summer or winter Squash. The squashes are from four to six 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.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

Fall or Winter Squash.

FORDHOOK. (See *Novelties*, page 15.) 15 cts. per pkt.; 2 pkts. for 25 cts.; 5 pkts. for 60 cts.; 10 pkts. for \$1.00.

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. (See *cut.*) 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

NEW PROLIFIC SUGAR. Ripens early. The rind is a dark cream color, smooth, slightly ribbed, and of about the hardness of the Cushaw Pumpkin; flesh white, turning to light cream when ripe. 10c. pkt.; 25c. oz.; 60c. $\frac{1}{4}$ lb.; \$1.50 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.

PINEAPPLE. A fall and winter variety. The flesh and 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. 5c. pkt.; 10c. oz.; 25c. $\frac{1}{4}$ lb.; 75c. 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.; 15 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.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

MAMMOTH CHILI. Grows to an immense size, often weighing over two hundred pounds; excellent for all uses. 10 cts. pkt.; 20 cts. oz.; 60 cts. 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. 5 cts. pkt.; 15 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

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.; 15 cts. oz.; 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Winter Crookneck. 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.; 15 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.; 15 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.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; \$1.00 lb.

SIBLEY. The form is entirely new, having the stem at the swelled end. The shell is pale slate color, 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. (See *cut.*) 10 cts. pkt.; 25 cts. oz.; 50 cts. $\frac{1}{4}$ lb.; \$1.50 lb.

BAY STATE. Extremely solid, of heavy weight, fine and dry flesh, of sweet flavor, of a beautiful bright golden yellow, very handsome; shell extremely hard and flinty, an excellent keeper. Price, 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.00 lb.

Tomato.

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

Sow in a hot-bed, green-house, or window in a sitting-room, where night temperature is not less than 60 degrees, about the first week in March, in drills five inches apart and half an inch deep. 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.

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

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

THE SHAH. (New Golden Tomato.) "The Shah" is a sport from the celebrated "Mikado," which we introduced four years ago, with which it is identical 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.) Price, 15c. per pkt.; 40c. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.

THE LORILLARD. This is a forcing variety. 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. Price, 15 cts. per pkt.; 40 cts. oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 per lb.

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. Price, 15 cts. per pkt.; 40 cts. per oz.; \$1.50 per $\frac{1}{4}$ lb.; \$5.00 lb.

BEAUTY (Livingston's). A handsome and medium sized smooth Tomato. It grows in clusters, is a good yielder, continuing late in the season. It ripens with the Acme and Perfection. It is a good sort for shipping on account of its solidity and toughness of skin. Price, 10 cts. per pkt.; 30 cts. per oz.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 lb.

PEACH TOMATO.

THE MIKADO. 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 *furor* 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; the cut we show being not more than one-half the average size. The Tomatoes are produced in immense clusters, are perfectly solid, generally smooth, but sometimes irregular. Has all the solidity that characterizes the Trophy. The color is purplish red. It is not unusual for single fruits of this variety to weigh from 1 to $1\frac{1}{2}$ lbs. each. The foliage shows the distinctiveness of the variety, for it is whole or entire, while in all other varieties the leaves are cut or serrated. (See cut.) Price, 15 cts. per pkt.; 8 pkts. for \$1.00; 40 cts. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.

PEACH. This is one of the most distinct Tomatoes ever introduced. The fruit is of uniform size, and resembles a peach in shape, size and color, which is a deep rose and orange amber beautifully blended, and covered with a delicate bloom like a peach. It is without a rival for eating from the hand, the flesh being of a rich and most delicious flavor. The skin is very thin, and can be peeled off like that of a peach. The entire fruit is tender and free from core, even around the stem. (See cut.) 15 cts. per pkt.; 75 cts. per oz.; \$2.00 per $\frac{1}{4}$ lb.; \$6.00 per lb.

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. Price, 5 cts. per pkt.; 25 cts. per oz.; 80 cts. per $\frac{1}{4}$ lb.; \$3.00 per lb.

THE TROPHY. An old and popular favorite, 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.

FAVORITE (Livingston's). 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. Price, 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.

TOMATOES.—Continued.

- TABLE QUEEN.** (See description, page 4.)
- EARLY RUBY.** (See *Novelties*, page 16.) 20c. pkt.; 6 pkts. for \$1.
- NEW DWARF CHAMPION.** One of the most distinct and valuable Tomatoes of recent introduction. Dwarf, stiff habit, scarcely needing any support. The foliage is peculiarly corrugated and a very dark green. It is very early and wonderfully prolific. Color, rich bright scarlet. Is perfectly round and smooth, of medium size, contains few seeds, and is really more "meaty" than many Tomatoes twice the size. (See cut.) 15 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.
- PARAGON.** Similar to the Acme in all respects, except that in the Paragon the color is of a bright, glossy crimson. 10 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.
- ESSEX HYBRID.** Quite early, of large size, perfectly smooth; bright pink color, resembling Acme, but larger. 5 cts. pkt.; 25 cts. oz.; 80 cts. $\frac{1}{4}$ lb.; \$3.00 lb.
- GENERAL GRANT.** Fruit large, of good quality, and ripens rapidly and thoroughly. 5c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- HATHAWAY'S EXCELSIOR.** Early, of medium size, smooth, 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. 5c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- QUEEN.** Specially recommended for canning. 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 Trophy, but in color a beautiful canary yellow, sometimes streaked lightly with red. Well suited for preserving and the table. 10 cts. pkt.; 40 cts. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4.00 lb.
- Conqueror.** One of the earliest varieties; fruit of good size, very uniform in shape. 10c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- Pear-Shaped Red.** 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 and preserving. 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.
- Yellow Cherry.** 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. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.

NEW DWARF CHAMPION TOMATO.

- MAYFLOWER.** Very early; shape globular, and perfectly smooth; glossy red color; ripens perfectly and evenly close up to the stem. 10 cts. pkt.; 25 cts. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- PERFECTION.** Of good size, color blood red. One of the first to ripen. Almost round, perfectly smooth and very solid, of the best quality, enormously productive, bearing all through the season until frost. 10c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- ACME.** One of the earliest and handsomest varieties. Fruit of medium size, perfectly smooth and regular in shape, very solid and a great bearer. Color quite distinct, being crimson, with a pinkish tinge. 15c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 lb.
- GOLDEN SUNRISE.** Any description would fail to do this variety justice. Color pure bright yellow, and flavor equal to the best red sorts. 10c. pkt.; 25c. oz.; 80c. $\frac{1}{4}$ lb.; \$3.00 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.

TURNIP.

German, *Steckrübe*.—French, *Naret*.—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.

EARLY WHITE STRAP LEAF TURNIP.

EARLY RED TOP STRAP LEAF TURNIP.

- 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.; 60 cts. lb.
- Early White Strap Leaf.** Differs from the Red only in color. (See cut.) 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. 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.; 50c. 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. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 60c. 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.** 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. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

I cannot speak too highly of the Puritan Potato. From the $\frac{1}{2}$ bush. of seed I bought of you I harvested 22 bush. of elegant potatoes. Dug one hill ten weeks from day of planting. They keep remarkably well. I have the 22 bush. in cellar; have not thrown out a decayed one.—WM. T. VANDERBEEGE, Port Huron, Mich., Jan. 22d, 1889.

TURNIPS.—(Continued.)

- 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. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. 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. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.
- Teltow, or Small Berlin.** The smallest of all Turnips; roots are spindle-shaped, and formed entirely underground. 5 cts. pkt.; 10 cts. oz.; 20 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, pages 48 to 50.

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 and best of the yellow type. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.
- Granville County Yellow.** One of the earliest varieties, and a great favorite. 10 cts. pkt.; 30 cts. oz.; \$1.00 $\frac{1}{4}$ lb.; \$3.50 lb.
- Tuckahoe.** New, leaf long and extra fine, possessing much body, 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.
- 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. 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 lb.
- Connecticut Seed Leaf.** 10c. pkt.; 30c. 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).** 10c. pkt.; 30c. 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.
- Zimmer's Spanish.** The earliest and best American-Spanish, and a favorite cigar variety, increasing in demand and culture every year. 10 cts. pkt.; 50 cts. oz.; \$1.50 $\frac{1}{4}$ lb.; \$5.00 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 bush.
- Hemp** (*Cannabis 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.; \$2.00 bu.
- Rape** (*Brassica Napus*). 30 cts. qt.; \$4.00 bu.
- Mixed Bird Seed.** 20 cts. qt.; \$4.00 bu.
- Vetches for Pigeons.** 10 cts. lb.; \$3.50 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 used for highly seasoned dishes, soups, stews and sauces; a leaf or two is sometimes introduced into salads. 10 cts. pkt.; 40 cts. oz.
- Bene.** A medicinal herb. (*Sesamum Orientale*.) 5c. pkt.; 20c. oz.
- Borage** (*Borago Officinalis*). Much used in claret and other drinks. An excellent bee plant. 5 cts. pkt.; 20 cts. oz.
- Caraway** (*Carum Carui*). The seeds are 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.** A favorite medicinal herb. (*Nepeta Cataria*.) 15 cts. pkt.; 60 cts. oz.
- Coriander** (*Coriandrum Sativum*). Used for garnishing, and the seeds are used by confectioners. 5 cts. pkt.; 15 cts. oz.
- Cumin** for seasoning. (*Cuminum Cyminum*.) 5c. pkt.; 20c. 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.** Used as an opiate. (*Hyoscyamus Niger*.) 5c. pkt.; 20c. 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** (*Lavendula 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, for seasoning.** (*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 croup. 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.

VEGETABLE ROOTS and PLANTS.

- Sea Kale Roots.** 15 cts. each; \$1.25 per doz.
- Globe Artichoke Roots.** 35 cts. each; \$3.50 per doz.
- Tarragon Roots.** 35 cts. each; \$3.50 per doz.
- Mint Roots.** 25 cts. each; \$2.50 per doz.
- Horse Radish Roots.** 25 cts. per doz.; \$1.00 per 100.
- Hop Roots.** 25 cts. each; \$2.50 per doz.
- Asparagus Roots.** See page 17.
- Rhubarb Roots.** Linnaeus. 20 cts. each; \$2.00 per doz.
- **St. Martin's.** 50 cts. each; \$4.50 per doz.
- Artichokes, Jerusalem.** See page 17.
- Chive Plants.** 25 cts. per bunch or clump.

Department OF FARM SEEDS

As we issue a very full and complete Catalogue of Farm Seeds this season, we only give here a simple list and prices of the more important articles in this department. For full description of varieties, etc., see Henderson's New American Farmer's Manual, which will be sent free on application.

HENDERSON'S SPECIAL GRASS MIXTURES.

HENDERSON'S SPECIAL GRASS MIXTURE for Permanent Pasture, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, etc., as recommended in our book, "How the Farm Pays," blended in the proper proportions, we will supply for

\$2.50 per bushel of 14 lbs. (20-bushel lots, \$2.25 per bushel).

On rich alluvial land 3 bushels of this mixture is sufficient to seed an acre, but where the soil is poor a larger quantity will be necessary. Taking one soil with another a fair average would be 4 bushels to the acre.

To this mixture, intended for either Mowing Lands or Pasture (but which on account of its greater weight should be sown separately), is to be added 10 lbs. of Mixed Clovers, comprising White, Mammoth Perennial or Cow Grass, Alsike, Trefoil, etc., but this should only be sown in the Spring, as it is rather tender in this latitude if sown in the Fall.

The quantity needed (10 lbs.) of Mixed Clovers to sow an acre we will sell for \$2.00.

Henderson's Special Grass Mixture for Hay and Permanent Pasture for Light soils . . .

"	"	"	"	"	"	"	"	} \$2.50 per bushel of 14 lbs.
"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	

20-bushel lots and upwards, \$2.25 per bushel. Special quotations for large quantities.

TEMPORARY PASTURE.

The grasses best adapted for this class of pasture are the following: Orchard Grass, English Rye Grass, Italian Rye Grass, Meadow Foxtail, Hard Fescue, Sheep's Fescue and Meadow Fescue, Red Clover, White Clover, Alsike, Trefoil and Timothy, blended in their proper proportions for the time specified. We recommend the following quantities per acre, which should generally be sown in the Spring:

For One Year: 1 bush. Mixed Grasses, \$2.00. 10 lbs. Mixed Clovers, \$1.75. Total cost per acre, \$3.75.

For Two Years: 2 bush. Mixed Grasses, \$4.00. 10 lbs. Mixed Clovers, \$1.75. Total cost per acre, \$5.75.

For Three or Four Years: 3 bush. Mixed Grasses, \$6.75. 10 lbs. Mixed Clovers, \$1.75. Total cost per acre, \$8.50. (Special quotations for large acreages.)

COMPLETE LIST OF GRASSES AND CLOVERS.

Prices subject to variation.

Awnless Brome Grass. (*Bromus Inermis*.) 50 cts. lb.; \$40.00 per 100 lbs.

Anthoxanthum Puelii. An annual variety of Sweet Vernal, not so desirable, however, as the perennial. (About 10 lbs. to bush.) 40 cts. lb.; \$3.50 bush.

Bermuda. (*Cynodon Dactylon*.) \$1.50 lb.; 10 lbs., \$12.50; 100 lbs., \$100.00.

Creeping Bent Grass. (*Agrostis Stolonifera*.) Excellent for lawns, succeeds well in most situations. About 2 bush. to the acre. (20 lbs. to bu.) \$5.00 bush.

Crested Dog's Tail. (*Cynosurus Cristatus*.) Should enter in moderate quantity in permanent pasture mixtures. (About 21 lbs. to bush.) 50c. lb.; \$9.00 bush.

English Rye Grass. (*Lolium Perenne*.) A valuable grass. 2½ to 3 bushels to the acre. (Bushel of 24 lbs.) \$2.00 bush. (Bushel of 26 lbs.) \$2.25 bush. (Bushel of 28 lbs.) \$2.50 bush.

Fine Leaved Sheep's Fescue. (*Festuca Ovina Tenuifolia*.) (About 14 lbs. to the bushel.) 50 cts. lb.; \$6.00 bush.

Fowl Meadow Grass. (*Poa Serotina*.) Uncleaned seed. \$3.50 bush.

Hairy Flowered Paspalum. (*Paspalum Dilatatum*.) \$1.50 lb.

Hard Fescue. (*Festuca Duriuscula*.) (12 lbs. to bushel.) 25 cts. lb.; \$2.25 bush.

Hungarian Grass. (*Panicum Germanicum*.) Is a valuable annual forage plant. 1 bushel to the acre. (48 lbs. to the bushel.) \$1.75 bush.

Italian Rye Grass. (*Lolium Italicum*.) (18 lbs. to bushel.) \$2.00 bush.

Johnson Grass. (*Sorghum Halapense*.) An account of the merits of this grass will be found in our Farm Manual. 20 cts. lb.; \$1.25 pk.; \$4.00 bushel.

Kentucky Blue Grass. (*Poa Pratensis*.) (14 lbs. to bushel.) \$2.00 bush. Fancy or Double extra clean. \$2.25 bush.

Louisiana Grass. (*Paspalum Platycarale*.) Sets. 75 cts. per 100; \$6.00 per 1,000. Seed, \$2.00 per lb.

Meadow Fescue. (*Festuca Pratensis*.) (22 lbs. to bushel.) 25 cts. lb.; \$5.00 bush.

Meadow Foxtail. (*Alopecurus Pratensis*.) (7 lbs. to bush.) 50c. lb.; \$3.00 bush.

Orchard Grass. (*Dactylis Glomerata*.) (14 lbs. to bush.) \$2.25 bu.; 10 bush. lots, \$2.

Red or Creeping Fescue. (*Festuca Rubra*.) Suitable for sandy sea coasts and on dry soil. (About 14 lbs. to the bushel.) 25 cts. lb.; \$2.50 bush.

Red Top Grass. (*Agrostis Vulgaris*.) (14 lbs. to bush.) \$1.25 bush.; 10 bush. lots, \$1.15. Re-cleaned Seed. (32 lbs. to bush.) 25c. lb.; \$6.00 bush.

Rhode Island Bent Grass. (*Agrostis Canina*.) A very fine variety for lawns. About 2 bushels to the acre. (Bushel of 14 lbs.) \$3.00 bush.

Rib Grass or Plantain. (*Plantago Lanceolata*.) Grows best in dry, poor soils. (60 lbs. to the bushel.) 30 cts. lb.

Rough Stalked Meadow Grass. (*Poa Trivialis*.) Valuable for pastures and meadows, particularly on damp soil. 1½ bushels to the acre. (About 14 lbs. to the bushel.) 40 cts. lb.

Sea Sand Grass. (*Ammophila Arundinacea*.) \$1.00 lb.

Sea Lyme Grass. (*Elymus Arenarius*.) \$1.00 lb.

Schraeder's Brome Grass. (*Bromus Schraederi*.) Recommended as a fodder

plant on account of the enormous bulk of its produce. 50c. lb.; \$40.00 per 100 lbs.

Sheep's Fescue. (*Festuca Ovina*.) (12 lbs. to bushel.) 25 cts. lb.; \$2.25 bush.

Sweet Vernal Grass, True Perennial. (*Anthoxanthum Odoratissimum*.) (10 lbs. to bushel.) \$1.00 lb.; \$9.50 per bush.

Tall Meadow Fescue. (*Festuca Elatior*.) Very early, nutritive and productive. Valuable on wet or clay soils. (About 14 lbs. to the bushel.) 40c. lb.; \$5.00 bu.

Tall Meadow Oat Grass. (*Avena Elatior*.) Recommended for soiling, being rapid and luxuriant in its growth. 5 to 6 bushels per acre. (Bushel of 10 lbs.) 30 cts. lb.; \$2.50 bush.

Timothy, or Herd Grass. (*Phleum Pratense*.) We offer a particularly "choice" sample. From ½ to 1 bush. per acre. (45 lbs. to bush.) \$2.50 bush. Price variable.

Texas Blue Grass. (*Poa Arachnifera*.) 25c. per pkt.; 60c. oz.; \$6.00 per lb.

Texas Millet. (*Panicum Texanum*.) 50 cts. per lb.; 10 lbs., \$4.00.

Various Leaved Fescue. (*Festuca Heterophylla*.) 30 cts. per lb.; \$3.00 bush.

Water Meadow Grass. (*Poa Aquatica*.) Grows by the side of pools, fresh water lakes, etc. (About 14 lbs. to the bushel.) 50 cts. lb.; \$6.00 per bush.

Wood Meadow Grass. (*Poa Nemoralis*.) Of early growth, and thriving well under trees. 2 bush. to the acre. (About 14 lbs. to the bush.) 40c. lb.; \$5.00 bush.

Yellow Oat Grass, "True." (*Avena Flavescens*.) Good for dry pastures and meadows. (About 7 lbs. to the bushel.) \$1.00 lb.; \$6.50 bush.

Alfalfa or Lucerne. (*Medicago Sativa*.) In light soils anywhere, particularly in southern latitudes it is invaluable. 25 cts. lb.; by mail, 35 cts. lb.; 10 lbs. for \$2.00; 100 lbs., \$18.50.

Alsike or Hybrid Clover. (*Trifolium Hybridum*.) Almost equal in nutritive value to the Red or Pea Vine Clover. 28c. lb.; 10 lbs., \$2.60; 100 lbs., \$24.00.

Bokhara Clover. (*Melilotus Leucantha*.) Affords excellent food for bees throughout its season. 50 cts. lb.

Cow Grass, Mammoth or Pea Vine Clover. (*Trifolium pratense perenne*.) 30 cts. lb.; 10 lbs., \$2.80; 100 lbs., \$25.00.

Japan Clover. (*Lespedeza Striata*.) 40 cts. lb. Bushel of 20 lbs., \$6.50.

Red Clover, Medium. (*Trifolium Pratense*.) Present price, 15 cts. lb.; 10 lbs., \$1.30; 100 lbs., \$11.00.

Scarlet Clover. (*Trifolium Incarnatum*.) Sow in July or August for soiling or mowing the ensuing spring. 20 cts. lb.; 10 lbs., \$1.80; 100 lbs., \$15.00.

Suckling Clover. (*Trifolium Filiforme*.) 30c. lb.; 10 lbs., \$2.80; 100 lbs., \$25.00.

Sainfoin. (*Onobrychis Sativa*.) 15 cts. lb.; 100 lbs., \$8.00.

Trefoil, Yellow or Hop Clover. (*Medicago Lupulina*.) An annual, suitable for sheep pasture and light soils. (60 lbs. to bu.) 20c. lb.; 10 lbs., \$1.80; 100 lbs., \$16.

White Clover. (*Trifolium Repens*.) Should be used in all mixtures for permanent pasture, and for lawns. (60 lbs. to bush.) 25c. lb.; 10 lbs., \$2.30; 100 lbs., \$20.

BRITISH (Imported) OATS.

AMERICAN OATS.

WHEATS.

CEREALS.

BUCKWHEAT.

RYE.

BARLEY.

Henderson's Clydesdale. A variety of White Oats, weighing 50 lbs. to the bushel; very early and productive. 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. By mail, 25 cts. per lb.; \$1.00 per peck; \$2.50 per bush.; 3 bushels for \$7.00.

British (Imported) Oats.

Hopetoun. A potato Oat (white) of great value, averaging 44 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 bushel.

American Oats.

Pringle's American Triumph Oats. Average height, six feet, straw strong and firm. (32 lbs. to the bushel.) 60 cts. per peck; \$1.50 per bushel.

Probsteier. 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; an enormous cropper. \$2.00 per bushel.

Fultz (Winter). A first-class milling Wheat. \$2.00 per bushel; 10 bushels and upwards, \$1.85.

Jones' Winter Fife (Novelty 1889). (Winter). 50 cts. lb.; 3 lbs. for \$1.25, including postage; \$3.00 per peck.

Early Red Clawson (Novelty 1889). (Winter). $\frac{1}{2}$ peck, \$1.00; peck, \$1.50; bushel, \$5.00; 10 bushel lots, \$4.50 per bushel.

Golden Cross (Winter). \$2.25 per bushel; 10 bushel lots, \$2.00 per bushel.

Garfield (Winter). \$2.25 per bushel; 10 bushel lots, \$2.00 per bush.

Hybrid Mediterranean (Winter). \$2.00 per bushel; 10 bushel lots, \$1.85 per bushel.

Martin's Amber (Winter). \$2.00 per bushel; 10 bushel lots, \$1.85.

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. \$2.00 per bushel.

Winter. \$1.50 per bushel.

Spring. \$2.00 per bushel.

Buckwheat.

New Japanese. 25 cts. per lb.; \$1.75 per bushel; 10 bushels and upwards, \$1.50.

European Silver Hull. \$1.50 per bushel.

Common Variety. \$1.50 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. 75 cts. per peck; \$2.50 per bushel.

Two-Rowed Duck Bill. 75 cts. per peck; \$2.50 per bushel.

LEADING VARIETIES OF FIELD CORN.

Hickory King. 20 cts. per qt.; 75 cts. per pk.; \$2.50 per bushel.

Early Mastodon. 20 cts. qt.; 75 cts. pk.; \$2.50 bushel.

Self-Husking. 20 cts. qt.; 75 cts. peck; \$2.50 bushel.

Golden Beauty. Matures as early as most varieties of Golden Dent, and surpasses all in size, appearance and productiveness. 15 cts. per qt.; 60 cts. per peck; \$2.00 per bushel.

Queen of the Prairie. Valuable and reliable. 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. A most reliable sort for Northern planting, as it grows quickly and matures early. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

King Philip. Very early. Usually matures three months after planting. 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. Early. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

Longfellow. Well adapted for Northern States. Cob small, grain large and broad. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

Mammoth White Surprise. Specially adapted to sections from Pennsylvania south. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

Compton's Early. Yellow variety. Very early and prolific. 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 very early, and hence succeeds far North. 15 cts. qt.; 60 cts. peck; \$2.00 bushel.

Chester County Mammoth. One of the largest varieties of field corn in cultivation. 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 Horsetooth. For Fodder. \$1.25 per bushel.

Sweet Fodder. \$2.00 per bushel.

ROOT CROPS FOR FARM STOCK.

MANGEL WURZEL.

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. 15 cts. $\frac{1}{4}$ lb.; 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. per lb.

YELLOW OVOID. In shape this sort is intermediate between the Long and Globe varieties. A very nutritious and valuable variety. 15 cts. $\frac{1}{4}$ lb.; 35 cts. lb.; in lots of 10 lbs. and upward, 30 cts. per lb.

HENDERSON'S RED GLOBE. A variety similar to the Yellow Globe in shape and size, and differing only in color. 10 cts. $\frac{1}{4}$ lb.; 30 cts. lb.; in lots of 10 lbs. and upward, 25 cts. per lb.

GOLDEN TANKARD. The flesh is bright golden yellow, and in this respect differs from all other varieties, which cut white. It yields under the best cultivation 75 tons per acre. 15 cts. $\frac{1}{4}$ lb.; 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. per lb.

LONG YELLOW. Differs from the Long Red only in color. 15 cts. $\frac{1}{4}$ lb.; 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. lb.

HENDERSON'S CHAMPION YELLOW GLOBE. Smooth, globe-shaped roots, of large size and excellent quality, are the distinctive features of this variety. 15 cts. $\frac{1}{4}$ lb.; 45 cts. lb.; in lots of 10 lbs. and upward, 40 cts. per lb.

Long Red. This variety is more generally grown for agricultural purposes than any other, producing roots of large size and excellent quality. 10 cts. $\frac{1}{4}$ lb.; 30 cts. lb.; in lots of 10 lbs. and upward, 25 cts. per lb.

HENDERSON'S GIANT INTERMEDIATE. 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.; in lots of 10 lbs. and upward, 50 cts. per 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. 10 cts. $\frac{1}{4}$ lb.; 30 cts. lb.; in lots of 10 lbs. and upward, 25 cts. per lb.

ROOT CROPS—Continued.

TURNIP.

The varieties mentioned below are specially adapted for field culture. Sow 3 lbs. per acre.

Ruta Baga, Russian or Swedish.

IMPROVED AMERICAN (Purple-Top.) An old leading variety; very hardy and productive; flesh yellow, solid, sweet and fine-flavored; equally good for stock or table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

SKIRVING'S PURPLE-TOP. A first-rate variety for stock or table; grows to a large size; flesh firm, solid and sweet, and a good keeper. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

SHAMROCK. Forms a handsome bulb, with small top and very few leaves; an excellent keeper and good for stock or table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LONG ISLAND IMPROVED PURPLE-TOP. 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. 10c. pkt.; 15c. oz.; 30c. $\frac{1}{4}$ lb.; 75c. lb.

LARGE WHITE FRENCH. A superior variety for table or stock; flesh firm, white and solid, rich. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

SUGAR BEET.

WHITE. Attains a large size, and is extensively grown for feeding; largely cultivated in France for the manufacture of sugar. 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.; in lots of 10 lbs. and upward, 35c. lb.

VILMORIN'S IMPROVED WHITE. 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.; in lots of 10 lbs. and upward, 55 cts. per lb.

LANE'S IMPERIAL. 15 cts. $\frac{1}{4}$ lb.; 40 cts. lb.; in lots of 10 lbs. and upward, 35 cts. per lb.

POTATOES.

See General List, page 49.

RUTA BAGA—Continued.

LARGE YELLOW FRENCH. Similar to the white in every respect, except as to the color of the flesh. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LAING'S IMPROVED. One of the earliest of the Ruta Bagas; forms a handsome bulb of good quality; keeps well; good for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.; 10 lbs., \$4.50.

BREAD-STONE. A white variety of Ruta Baga, with light green, strong growing tops. 10 cts. pkt.; 25 cts. oz.; 75 cts. $\frac{1}{4}$ lb.; \$2.50 lb.

Yellow Fleshed.

(For descriptions of these, see pages 46 and 47.)

Aberdeen Purple Top Yellow, 50 cts. lb.; 10 lbs., \$4.50.

Golden Ball, 50 cts. lb.; 10 lbs., \$4.50.

Yellow Globe, 50 cts. lb.; 10 lbs., \$4.50.

Imp. Yellow Stone, 50 cts. lb.; 10 lbs., \$4.50.

White Fleshed.

Purple Top White Globe, 50 cts. lb.; 10 lbs., \$4.50.

Pomeranian White Globe, 50 cts. lb.; 10 lbs., \$4.50.

Large White Norfolk, 50 cts. lb.; 10 lbs., \$4.50.

Long White or Cow Horn, 50 cts. lb.; 10 lbs., \$4.50.

CARROT.

Sow 5 lbs. per acre.

Improved Long Orange.....	\$0.80 per lb.
Danvers.....	.90 "
White Belgian.....	.75 "
Yellow Belgian.....	.75 "
Altringham.....	1.00 "

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.

Miscellaneous and Sundry Seeds for the Farm.

MILLET, Common (*Panicum Miliaceum*), \$1.25 per bu.

" **German or Golden** (*Panicum Miliaceum aureum*), \$2 bu.

" **Hungarian** (*Panicum Germanicum*), \$1.75 per bu.

" **Pearl** (*Penisetum spicatum*), 20 cts. lb.; \$15 per 100 lbs.

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. 20c. qt.; \$3.00 bu. If by mail add 15c. per qt. for postage.

" **EARLY ORANGE SUGAR CANE.** A little later than the Amber. It does not succeed well north of latitude 43 degrees. 20 cts. qt.; \$3.00 bu. If by mail add 15 cts. per qt. for postage.

" **KAFFIR CORN.** 20 cts. lb.; if by mail, 30 cts.; \$15.00 per 100 lbs.

" **RURAL BRANCHING DOURA (Millo Maize).** Price, 35 cts. lb.; 1 lb. by mail for 45 cts. 4 lbs. required to plant an acre.

" **EGYPTIAN RICE CORN.** 20 cts. lb.; 6 lbs. for \$1.00; \$12.00 per 100 lbs.

" **YELLOW BRANCHING.** 35 cts. lb.; 1 lb. by mail, 45 cts. 4 lbs. required to plant an acre.

" **HALAPENSE (Johnson Grass).** (See Grasses.) 20 cts. lb.; by mail, 30 cts.; \$1.25 per peck; \$4.00 bushel of 25 lbs.

Artichoke, Jerusalem, 25 cts. qt.; \$4.00 bu.

Bean, Boston Small Pea, \$5.00 bu.

" **Burlingame Medium,** \$1.25 peck; \$4.00 bu.

" **Improved Red Kidney,** \$1.50 peck; \$4.50 bu.

" **Soja, or Japan,** 20 cts. lb.; \$6.00 bu.

" **White Marrowfat, or Navy,** \$1.25 peck; \$4.00 bu.

Cabbage, Champion Ox, \$1.50 lb.

Kale, Thousand Headed, \$1.50 lb.

Rape, English, 30 cts. lb.; 10 lbs., \$2.50.

Yarrow, or Milfoil, \$1.50 lb.

Broom Corn, Evergreen, 20 cts. qt.; by mail, 35 cts.; \$3.00 bu.

Chicory (for coffee), 15 cts. oz.; \$1.00 lb.

Cotton, Sea Island, 20 cts. lb.; by mail, 30 cts.

Flax Seed, 25 cts. qt.; by mail, 40 cts.; \$4.00 bu.

Opium Poppy, 30 cts. oz.; \$2.00 lb.

Canada Field Peas. White, 50 cts. peck; \$1.50 bu.

Canada Field Peas. Blue, stronger growing, and very prolific. 75 cts. peck; \$2.00 bu.

RAMIE (Bohmeria or Urtica). This plant produces the fibre which the Orientals make into a delicate fabric known as Chinese Grass Cloth.

" **Bohmeria Nivea (Silvery Ramie),** \$1.00 oz.

" **Tenacissima (Java Ramie).** A taller growing sort, adapted to the Southern States. \$3.00 oz.

Spring Vetches, 20 cts. qt.; by mail, 35 cts.; \$4.00 per bu.

Sunflower, Large Russian, 20 cts. qt.; by mail, 30 cts.; \$3.00 per bu.

Osage Orange, 50 cts. lb.; by mail, 60 cts.; \$7.00 per bu.

Celery Seed. For flavoring, 30 cts. per lb.

Honey Locust, 50 cts. lb.

Yellow Locust, 60 cts. lb.

Teosinte (Reana luxurians), \$1.75 lb.; 10 lbs., \$15.00.

Serradella, 30 cts. lb.; by mail, 40 cts.

Fenugreek, 50 cts. lb.

Lupins of Sorts, 25 cts. lb.; \$1.75 per peck.

WILD RICE (Zizania Aquatica). Much sought after, owing to its having attractions for water fowl. 35 cts. per lb.; if by mail, 45 cts. per lb.; per 100 lbs., \$30.00.

Henderson's Lawn Grass Seed.

Henderson's
**TERRACE
SOD
MIXTURE.**

THE
"HENDERSON"
LAWN GRASS
SEED.

"THE HENDERSON"
Lawn-Grass-Seed

Weighs from 20 to 21 lbs. per measured bushel.

Other Lawn Mixtures do not average over 14 lbs. to the bushel

The Purest, Cleanest and Heaviest Lawn Grass Seed Ever Offered!

For many years, at the solicitations of customers, we have at various times made up special mixtures of grasses of varieties best suited for sowing on terraces, railroad embankments and side hills. For this purpose it is necessary to use grasses that will withstand drought and exposure and thrive well on shallow soils. Our experiments in this direction have resulted in our obtaining a combination of grasses which, for the purpose, will be found unequalled—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out after they become established, and at the same time produce a rich velvety green turf throughout the season.

Sow at the rate of 1 qt. for a plot 15x20 ft. (equal to 300 sq. ft.) or 4 to 5 bushels per acre.

PRICE: 35 cts. per qt.; \$2.00 per pk.; \$7.00 per bush.; if desired by mail, add at the rate of 5 cts. per qt. for postage.

THAT the "Henderson" is the finest mixture of Lawn Grass Seed ever offered, the immense quantity we annually sell is the best proof we can offer. It is the best lawn seed for our American climate, and is composed of various grasses that grow and flourish during different months of the year, so that a rich, deep green, velvety lawn is constantly maintained. The **Henderson Lawn Seed** is the result of several years' careful experimenting, and as we now offer it the mixture is unequalled. It may not also be generally known that it is, relatively speaking, the *cheapest seed offered*, because while the lawn grass mixtures of other seedsmen will not average over 14 lbs. to the bushel, the **Henderson Lawn Seed** will weigh from 20 to 21 lbs. per measured bushel. The quantity required for making new lawns is 5 bushels per acre, or for renovating old lawns 1 to 2 bushels. For a plot 15x20 or 300 square feet, 1 quart is required for new, or 1 pint for renovation.

PRICE: 25 cts. per quart; \$1.50 per peck; \$5.00 per bushel. (If by mail, add at the rate of 5 cts. per quart for postage.)

THE HENDERSON LAWN ENRICHER.

A clean, portable and convenient lawn dressing, for New or Old Lawns, which we have found to be never failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. The quantity required per acre varies according to the condition of the lawn from 1,000 to 1,500 lbs.; for a plot 15x20 feet or 300 square feet a 10-lb. package will be sufficient.

Price: 5-lb. package, 30 cts.; 10-lb. package, 50 cts.; 25-lb. bag, \$1.00; 50-lb. bag, \$2.00; 100-lb. bag, \$4.00; per ton of 2,000 lbs., \$70.00.

DECIDUOUS
—AND—
EVERGREEN

TREE SEEDS

ORNAMENTAL,
SHADE, FOREST,
HEDGE & FRUIT:

"Trees can be as easily grown from seeds as the most common vegetable."—FULLER.

There is nothing that increases the value and enhances the beauty of our country more than patches of woodland, roadsides and streets bordered with trees, and parks and lawns dotted with them. In the list of varieties following, we have given only the best of each class to select from, for either ornamental, shade, forest or hedge purposes. WE GIVE COMPLETE DIRECTIONS for growing trees from seeds on each package.

Valuable Novelty, NEW JAPAN FRUIT TREE (*Myrica rubra*).

This Japanese production is a very ornamental evergreen, with foliage firm and leathery, like a small leaved Magnolia. It grows from 30 to 40 feet high, and forms a large, round crown, very ornamental and beautiful. The wood is used in Japan in fancy ware and choice cabinet work, it being very light, tough and durable, and beautifully mottled, finer than the best ebony or "bird's eye" maple; the bark is also used for a beautiful fawn-colored dye. Its fruit is produced in abundance, and is edible and delicious; it is an inch long by $\frac{1}{2}$ inch in diameter, is dark red, almost black, in shape resembling a blackberry, and contains a single seed of light weight. It is an exquisite dessert fruit, and makes fine preserves. Its flavor is hard to describe, being between a cherry and black raspberry. The fresh juice is an excellent beverage, and, if slightly fermented, produces a delicious wine. The fruit ripens in Japan early in July. The tree is not hardy north of Washington, but will succeed admirably in our Southern States, in California and warm countries. It fruits in five or six years, though, if grown in pots, will fruit in four to five years' time. It is a grand thing for such localities as above mentioned, and deserves to be extensively sown. Price, 50 cts. per pkt.; \$5.00 per oz.

DECIDUOUS TREES.

Ailanthus Glandulosa (Tree of Heaven).—Large, tropical-looking tree, of remarkably rapid growth; succeeding everywhere. It is largely grown for streets and parks; the wood is fine grained, hard, and very useful for cabinet work, etc. 10 cts. pkt.; 25 cts. oz.; \$1.50 lb.

Aralia, Japan (*Aralia Japonica*).—A dwarf tree of spreading form; large, divided leaves; large trusses of white flowers in the summer; waving red seed pods in the autumn. 25 cts. pkt.; \$2.00 oz.

Ash, White (*Fraxinus Americana*).—A large, handsome shade and ornamental tree, of rapid growth. Its timber is very valuable, being tough and hard. 10 cts. pkt.; 20 cts. oz.; 75 cts. lb.

Ash, American Mountain (*Pyrus sorbus Americana*).—A handsome, ornamental tree, 20 to 30 feet high. Fruits in large clusters of bright scarlet, remaining on the tree until winter. 10 cts. pkt.; 20 cts. oz.; 75 cts. lb.

Basswood, or American Linden (*Tilia Americana*).—A handsome, large tree, 60 to 80 feet high. Wood white and soft, and much used for inside work. 10 cts. pkt.; 20 cts. oz.; \$2.00 lb.

Beech, American (*Fagus ferruginea*).—A noble forest and shade tree of graceful habit. Wood hard and excellent for many mechanical purposes. 10 cts. pkt.; 15 cts. oz.; \$1.00 lb.

Beech, European (*Fagus sylvatica*).—Similar to the American Beech, the leaves being shorter and broader. A choice and beautiful shade tree. 10 cts. pkt.; 15 cts. oz.; 75 cts. lb.

Beech, Purple-leaved (*Fagus sylvatica atropurpurea*).—A medium sized tree, of beautiful pyramidal form. A dark, rich colored foliage. A choice ornamental tree. 10 cts. pkt.; 20 cts. oz.; \$1.75 lb.

Buckeye, Red (*Esculus (Pavia) coccinea*).—A handsome ornamental shrub, with bright red flowers in long, erect racemes. 50 cts. $\frac{1}{4}$ lb.; \$1.75 lb.

Buckeye, Yellow or Sweet (*Esculus (Pavia) flava*).—A fine, ornamental tree, with bright yellow flowers in thick clusters. In favorable soils it attains a height of 60 to 70 feet, and grows in handsome, globular proportions. 15c. $\frac{1}{4}$ lb.; 50c. lb.

Butternut (*Juglans cinerea*).—A moderate growing, broad headed tree, sometimes 60 feet high. The wood moderately hard, and very useful for cabinet work, etc. Nuts large and edible. 20 cts. qt.; \$1.50 peck; \$4.00 bush.

Birch, Black or Sweet; also called **Mahogany and Cherry Birch** (*Betula lenta*).—A large, rapid growing tree, very valuable for moist soils and cold climates. Bark very aromatic; wood fine grained and excellent for many purposes. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Birch, Yellow (*Betula lutea*).—The largest deciduous tree found north of the Great Lakes. A valuable forest and timber tree. Bark, golden yellow. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Birch, Paper or Canoe (*Betula papyracea*).—A large, rapid growing tree, with brilliant white bark. Effective for landscapes. Wood hard, extensively imported for manufacturing purposes, and excellent for fuel. 15 cts. pkt.; 30 cts. oz.; \$3.00 lb.

Blue Gum, or Fever and Ague Tree (*Eucalyptus globulus*).—Famous for its rapidity of growth. A valuable tree for the extreme south. 10 cts. pkt.; 50 cts. oz.; \$6.00 lb.

Cercidophyllum Japonicum.—A rare and beautiful tree from Japan; stately, though slender. Quite hardy; leaves purplish, turning with age to bright, glossy green. 25 cts. pkt.; \$2.50 oz.

Chestnut, American Sweet (*Castanea vesca Americana*).—One of our most valuable and beautiful forest and ornamental trees, growing rapidly to a very large size. Wood much used for ties, rails, beams, etc. Delicious edible nut. 50c. qt.; \$3 pk.

Chestnut, Japan (*Castanea Japonica*).—A new and rare dwarf variety of great merit. Nuts as large as the Spanish and in quality equal to our native variety; will fruit in five years from seed; perfectly hardy. 35 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Cherry, Wild Black (*Prunus serotina*).—A large tree, 60 ft. and over. One of the most valuable native woods for cabinet work, almost equal to black walnut. A rapid, upright grower. 10 cts. pkt.; 20 cts. oz.; \$1.25 lb.

China Tree, or Pride of India (*Melia azedarach*).—A handsome, rapid growing tree, about 40 feet in height. A great favorite in the South for a shade tree; not hardy north of Virginia. The flowers are borne in large clusters and are very fragrant. 10 cts. pkt.; 20 cts. oz.; \$1.25 lb.

Catalpa, or Indian Bean (*Catalpa bignonioides*).—A handsome shade and ornamental tree of tropical appearance. Foliage large and luxuriant. Flowers borne in large panicles late in the spring. In favorable locations it attains a height of 60 feet or more; it is a very rapid grower. 10 cts. pkt.; 20 cts. oz.; \$1.50 lb.

Catalpa, Hardy Western (*Catalpa speciosa*).—Similar to the above and considered by some superior. It grows upright and symmetrical; is very hardy and has been tested up to 40 degrees north latitude. Wood very durable. A valuable tree for the West. 10 cts. pkt.; 20 cts. oz.; \$1.60 lb.

Cucumber Tree (*Magnolia acuminata*).—A handsome, erect tree of rapid growth; height, 60 to 70 feet. Leaves very large; wood rather soft, but durable and much used for bowls, etc. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Dogwood, White Flowering (*Cornus florida*).—A beautiful, small tree; foliage of firm, rich texture, and in the fall colors crimson. Large white flowers in early spring. 10 cts. pkt.; 25 cts. oz.; \$1.75 lb.

Elm, English (*Ulmus campestris*).—A noble ornamental tree, with wide spreading head and drooping branches. 10 cts. pkt.; 15 cts. oz.; \$1.25 lb.

Elm, American (*Ulmus Americana*).—A very large tree, with wide spreading head, and long, slender, drooping branches. Wood very tough and used for hubs and similar purposes. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Hickory, Shellbark or Shagbark (*Carya alba*).—A large and noble forest and ornamental tree. Wood heavy, tough and valued for implements and other purposes. Nuts thin shelled and highly prized. 35 cts. qt.; \$1.50 pk.; \$4.00 bu.

Hickory, Western or Thick Bark (*Carya sulcata*).—A large tree, with rough, scaly bark; wood heavy, tough and excellent. The nut is sweet, but the shell is very thick. 40 cts. qt.; \$2.00 pk.

Holly, American (*Ilex opaca*).—Beautiful broad leaved evergreen trees, much prized for Christmas decorations on account of the glossy green leaves and scarlet berries. Height, 20 to 40 feet. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Horn Beam, American Hop, Iron Wood or Lever Wood (*Ostrya Virginica*).—A handsome, straight ornamental tree, 30 to 40 feet high, with a light, graceful spray. Wood valuable, heavy, compact and fine grained; used for mallets, mauls, etc. 15 cts. pkt.; 30 cts. oz.; \$3.00 lb.

Horse Chestnut (*Esculus hippocastanum*).—A grand ornamental and street tree, hardy in most of our Northern States. Foliage luxuriant; flowers produced in large trusses, white spotted with purple. 15 cts. $\frac{1}{4}$ lb.; 35 cts. lb.

Horse Chestnut, Red Flowered (*Esculus rubicunda*).—A handsome and showy ornamental tree 30 feet or more high; close, compact form. Flowers bright rosy red, in large panicles. 30 cts. $\frac{1}{4}$ lb.; \$1.00 lb.

Larch, Japan (*Larix leptolepis*).—Money Pine of Japan. A handsome, erect species; vigorous grower; foliage pale green; very hardy. 25 cts. pkt.; 75 cts. oz.

Larch, European or Tyrolean (*Larix Europaea*).—The great timber tree of Europe. Hardy, of rapid growth, very durable, and desirable as an ornamental tree. Compact, conical shape; light green foliage. 10 cts. pkt.; 20 cts. oz.; \$1.00 lb.

Kentucky Coffee Tree (*Gymnocladus Canadensis*).—A large, noble, ornamental and shade tree, of rapid growth. A desirable park tree. Height, 60 to 80 feet. 10 cts. pkt.; 20 cts. oz.; 80 cts. lb.

Locust, Honey (*Gleditsia triacanthus*).—A large, handsome ornamental tree. Wood hard, heavy and useful for many purposes. Valuable for hedges, the branches being covered with stiff, sharp thorns. 10 cts. pkt.; 15 cts. oz.; 50 cts. lb.

Locust, Yellow (*Robinia pseud-acacia*).—A medium sized tree, growing rapidly; soft, graceful foliage; abundant racemes of fragrant white, pea-blossom flowers. Wood hard and almost indestructible. 10 cts. pkt.; 15 cts. oz.; 50 cts. lb.

Maiden Hair or Ginkgo Tree (*Salisburia adiantifolia*).—A handsome tree of large size, sometimes 100 feet high. Leaves fan-shaped, very broad and bright colored; very unique and ornamental. 10 cts. pkt.; 20 cts. oz.; \$1.25 lb.

Maple, Sugar, Rock or Hard (*Acer saccharinum*).—A rapid growing, ornamental and shade tree, of elegant pyramidal form; height, 80 to 90 feet; a great favorite for street planting. The fall color of the foliage is magnificent. Maple sugar is made from its sap. Wood close grained and valuable. 10 cts. pkt.; 20 cts. oz.; 75 cts. lb.

Maple, Silver or White (*Acer dasycarpum*).—Regular, rounded form; foliage light green above and silvery white underneath; one of the best avenue and park trees, on account of its rapid growth. Branches are abundant and flexible, adapting it for wind breaks. Height, 80 feet or more. 10 cts. pkt.; 20 cts. oz.; \$1.50 lb.

Maple, Scarlet, Red or Swamp (*Acer rubra*).—A large, handsome, round-headed tree; the foliage in autumn is brilliantly colored. An excellent shade tree of permanent beauty. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Maple, Sycamore (*Acer Pseudo-platanus*).—A vigorous, rapid growing tree, with rather coarse, spreading branches. Height sometimes 100 feet. Wood hard and close grained. A good tree for the seashore. 10 cts. pkt.; 20 cts. oz.; 85 cts. lb.

Maple, Norway (*Acer platanoides*).—A large, round-headed, majestic tree, of moderate growth when young, but valuable for forest and shade. 10 cts. pkt.; 20 cts. oz.; 85 cts. lb.

Maple, English (*Acer campestre*).—A small tree about 30 feet high, of rounded form and neat foliage. A very pretty variety for ornamental purposes. 10 cts. pkt.; 15 cts. oz.; 85 cts. lb.

Mulberry, Red (*Morus rubra*).—Generally small, but sometimes attains a height of 60 feet. Wood heavy, durable and valuable for many purposes. Fruit large, dark, reddish purple. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Mulberry, White (*Morus alba*).—A small, slender tree of rapid growth. Fruit pinkish white. Foliage large and succulent. The best variety for feeding silk worms. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Mulberry, Russian (*Morus tartarica*).—A rapid growing tree, thriving on the dry soils of the Western prairies. 15 cts. pkt.; 30 cts. oz.; \$3.00 lb.

Magnolia Grandiflora.—Massive foliage, large, white, fragrant flowers. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Magnolia Hypoleuca.—A new variety of great beauty. Leaves long and purple tinted, with red midrib and leaf stem. Creamy white fragrant flowers in June. 15 cts. pkt.; 30 cts. oz.; \$3.00 lb.

Magnolia Campbelli.—A new, rare, crimson and white flowered variety of great beauty. 50 cts. pkt.; \$3.00 per hundred seeds.

Magnolia Conspicua, Yulan or Chinese White.—A beautiful variety, covered in May with snow-white, lily-like flowers. 20 cts. pkt.; \$1.00 per hundred seeds.

Deciduous Trees—Continued.

Magnolia Soulangiana.—The largest of the Chinese varieties, large white flowers, with purple at the base of the petals. 20 cts. pkt.; \$1.00 oz.

Oak, White (*Quercus alba*).—A noble, majestic variety, 60 to 80 feet high. Wood light colored and valuable. 35 cts. qt.; \$2.00 pk.; \$6.00 bu.

Oak, Scarlet (*Quercus coccinea*).—A handsome tree, leaves turning bright scarlet in the autumn. Wood white and moderately coarse grained. 35 cts. qt.; \$2.00 pk.; \$6.00 bu.

Oak, Red (*Quercus rubra*).—A very large and common tree. Wood reddish and rather coarse; much used for staves and similar purposes. 35 cts. qt.; \$2.00 pk.; \$6.00 bu.

Oak, Pin or Swamp (*Quercus palustris*).—Of handsome, tall, pyramidal form, and light, elegant foliage. A splendid ornamental tree. Wood rather coarse grained. 35 cts. qt.; \$2.00 pk.; \$6.00 bu.

Persimmon, Japan (*Diospyros Kaki*).—An excellent ornamental tree. Leaves large and leathery; large, golden fruit, not astringent, hangs on the tree after the leaves are fallen; striking and beautiful. Not hardy north of Richmond, Va. 10 cts. pkt.; 25 cts. oz.; \$1.75 lb.

Pecan Nut (*Carya oliviformis*).—Attains a large size, particularly in the bottom lands of the South-west. It is not adapted to a northern climate. Wood similar to the Hickory, and very valuable. Nuts large, edible and thin shelled. 25 cts. lb.

Paulownia Imperialis, or Empress Tree.—A noble Japanese and popular ornamental tree; large tropical foliage, and handsome fragrant flowers. A rapid grower; height, 20 to 30 feet; wide spreading head. Hardy except in latitude of Boston, where the flower buds are sometimes killed. 10 cts. pkt.; 20 cts. oz.; \$1.50 lb.

Sweet Gum, Bilsted or Alligator Tree (*Liquidambar styraciflua*).—One of our most noble forest and ornamental trees, of rapid growth and beautiful pyramidal form. Height, 60 to 80 feet. 15 cts. pkt.; 50 cts. oz.; \$5.00 lb.

Silver Bell, or Four-winged Snowdrop (*Halesia tetrapetala*).—A medium sized tree, producing in early spring large clusters of beautiful, pure white, bell-shaped flowers. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Sycamore, American Plane or Buttonwood (*Platanus occidentalis*).—One of our largest trees, often growing 75 to 100 feet high. Of rapid growth. Wood coarse grained, cannot be split, and is much used for mallets, meat blocks, etc. 10 cts. pkt.; 25 cts. oz.; \$1.00 lb.

Sycamore, or Oriental Plane (*Platanus orientalis*).—A rapid growing tree, 75 to 100 feet high, considered superior to our native Buttonwood, being of more graceful habit and better for street planting. 10 cts. pkt.; 25 cts. oz.; \$1.00 lb.

Tulip Tree, White Wood or Canoe Wood (*Liriodendron tulipifera*).—A fine, large ornamental and forest tree of tall, pyramidal form, often 140 feet high. Grows rapidly, clean and straight. Wood light and much used for interior work. 10 cts. pkt.; 20 cts. oz.; \$1.00 lb.

Walnut, Black (*Juglans nigra*).—A valuable tree of erect and noble habit, and round, spreading form. 60 to 90 feet high. The great value of its rich, dark colored wood is well known. Nuts large and edible. 20 cts. qt.; \$1.50 pk.; \$4.00 bu.

Walnut, English or Madeira (*Juglans regia*).—A noble, vigorous tree, strong, spreading branches, thick foliage. Wood valuable, nuts large and edible. 50 cts. lb.

Willow, Golden (*Salix vitellina*).—Bright golden branches of striking effect. Good for baskets and tying. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Willow, White (*Salix alba*).—A rapid growing, attractive and useful tree. 10 cts. pkt.; 25 cts. oz.; \$1.75 lb.

Yellow Wood (*Cladostis tinctoria* or *Virgilia lutea*).—A beautiful tree, growing tall and straight, with a broad, round head. The trunk is polished and elegant. Wood light yellow, very hard, and desirable for many purposes. The flowers are like pea-blossoms, white and fragrant, covering the tree in June with long pendulous racemes of great beauty. 25 cts. pkt.; 80 cts. oz.; \$8.00 lb.

ORNAMENTAL SHRUBS AND HEDGE PLANTS.

Asiatic Bladder Nut (*Staphylea colchica*).—One of our finest early flowering shrubs. Flowers in clusters, white and fragrant. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Berberis, Common or European (*Berberis vulgaris*).—A handsome shrub; yellow flowers in drooping racemes in May and June, followed in the fall by orange-scarlet fruit. 10 cts. pkt.; 15 cts. oz.; \$1.00 lb.

Berberis, Purple-Leaved (*Berberis vulgaris atropurpurea*).—Similar to the above, with violet colored foliage and fruit; very rich and effective. 15 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Bitter Sweet (*Celastrus scandens*).—A hardy, native climber, leaves turning bright yellow in the fall, with clusters of orange colored fruit. 10 cts. pkt.; 20 cts. oz.; \$1.75 lb.

Honeysuckle, Japan (*Lonicera brachypoda*).—A vigorous climber; flowers yellowish white in June. 10 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Honeysuckle, Chinese (*Lonicera sinensis*).—A well known vine; dark green foliage; flowers in July and September, very fragrant. 20 cts. pkt.; \$1.00 oz.

Laburnum or Golden Chain (*Cytisus Laburnum*).—A very ornamental, moderate sized tree, with long, drooping, showy yellow flowers. 10 cts. pkt.; 20 cts. oz.; \$1.25 lb.

Lilac, Purple (*Syringa vulgaris*).—Our common variety; one of the very best. Flowers and young foliage fragrant. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Lilac, White (*Syringa vulgaris alba*).—One of the best white varieties. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Meadow Sweet, Japan (*Spiraea callosa*).—A medium sized shrub. Pink flowers in June. 15 cts. pkt.; 50 cts. oz.; \$5.00 lb.

Osage Orange (*Maclura aurantiaca*).—A coarse growing shrub, and very thorny. Largely used for hedges, and is a fine lawn plant. 10 cts. oz.; 50 cts. qt.; \$2.00 pk.; \$7.00 bu.

Privet, California or Japan (*Ligustrum ovalifolium*).—A strong growing shrub, pyramidal in form, and nearly evergreen. Stands severe pruning. One of our best hedge and ornamental plants. White flowers in June. 15 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Syringo or Mock Orange (*Philadelphus coronarius*).—A strong growing shrub, with pure white, fragrant flowers in June. Clean seed. 25 cts. pkt.; \$1.00 oz.

Styrax, Japan (*Styrax Japonica*).—A low growing shrub, with dogwood-like leaves; branches very picturesque; flowers white, bell-like, hanging under the branches on long stems. 15 cts. pkt.; 30 cts. oz.; \$3.00 lb.

Tamarisk (*Tamarix gallica*).—A strong, slender growing shrub, with feathery foliage, and small, fringed, delicate pink flowers. 25 cts. pkt.; 75 cts. oz.; \$9.00 lb.

White Fringe (*Chionanthus Virginica*).—A medium sized, choice lawn shrub, with pure white, long, feathery or lace-like flowers in June. 15 cts. pkt.; 50 cts. oz.; \$5.00 lb.

Weigelia, Rose Colored (*Weigelia rosea*).—A vigorous, June blooming shrub, with fine, rose colored flowers. 25 cts. pkt.; \$1.50 oz.

Rhododendron, Mixed.—Handsome, hardy shrubs; rich leathery evergreen foliage and large heads of gorgeous flowers. 25 cts. pkt.

EVERGREEN TREES.

Arbor Vitae, American (*Thuja occidentalis*).—A small tree, about 30 feet high; popular for hedges, screens, etc. 10 cts. pkt.; 30 cts. oz.; \$2.75 lb.

Arbor Vitae, Siberian (*Thuja Siberica*).—More compact and of deeper color than the American. Splendid for hedges. 15 cts. pkt.; 60 cts. oz.; \$6.00 lb.

Arbor Vitae, Pea-Fruited, Japan (*Retinospora pisifera*).—A beautiful evergreen, with fine, feathery foliage; graceful and distinct. 25 cts. pkt.; \$1.00 oz.

Arbor Vitae, Japanese Plummed (*Retinospora plumosa*).—A Japan variety, hardy and graceful, with delicate, silvery foliage. 25 cts. pkt.; \$2.00 oz.

Arbor Vitae, Japanese Golden Plummed (*Retinospora plumosa aurea*).—Beautiful, golden tinted foliage, unsurpassed for massing or hedges. 35 cts. pkt.; \$2.50 oz.

Cedar, Deodar or Indian (*Cedrus deodara*).—A noble and beautiful evergreen of pyramidal form. Foliage silvery green, graceful and drooping. Not hardy north of Philadelphia. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Cedar, Red (*Juniperus Virginia*).—A valuable forest and ornamental tree. Varies in height from 30 to 60 feet. Wood hard, reddish and durable, and valuable for posts, cabinet work, pencils, etc. 10 cts. pkt.; 15 cts. oz.; \$1.00 lb.

Cedar, White (*Chamaecyparis Thuyoides*).—A well known, large growing tree, 40 to 80 feet high. Wood light, fine grained and durable. 15 cts. pkt.; 50 cts. oz.; \$5.00 lb.

California Redwood (*Sequoia sempervirens*).—A valuable tree in California, where it grows from 200 to 300 feet high. Wood handsome and durable. Succeeds south of Virginia. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

California Giant Tree (*Sequoia gigantea*).—A famous tree; attains a height of 200 to 300 feet. Not hardy north of Virginia. 25 cts. pkt.; \$1.00 oz.

Cypress, Nootka Sound (*Chamaecyparis Nootkensis*).—A vigorous, erect tree, with regular, spreading, curved branches; leaves flat like those of the Arbor Vitae. Very ornamental. 35 cts. pkt.; \$5.00 oz.

Cypress, Southern or Bald (*Taxodium distichum*).—Well known in the South, although it thrives in the Northern States. Growth rapid; foliage delicate and feathery; one of the best lawn trees. Wood used for shingles, ties, etc. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Fir, Japan Silver (*Abies firma*).—The most vigorous and hardy of the silver firs. Compact and pyramidal in form. Foliage large, flat, and deep green underneath. 25 cts. pkt.; 50 cts. oz.; \$5.00 lb.

Fir, Fraser's or Southern Balsam (*Abies Fraseri*).—A handsome moderate sized pyramidal tree of rich, permanent beauty. Foliage dark green, silvery below. 30 to 40 feet high. 15 cts. pkt.; 50 cts. oz.; \$5.00 lb.

Fir, Silver Cephalonian (*Abies Cephalonica*).—A beautiful species from the mountains of Greece. A free grower, quite hardy, leaves silvery and dagger-shaped. 15 cts. pkt.; 35 cts. oz.; \$3.00 lb.

Fir, Nordman's (*Picea Abies Nordmanniana*).—Handsome, hardy and highly prized. Massive, dark foliage, silvery below. The contrast between the old and new growth is charming. 15 cts. pkt.; 35 cts. oz.; \$3.00 lb.

Fir, Pinsapo or Spanish (*Picea Abies pinsapo*).—Remarkably handsome and picturesque. From the mountains of Spain; leaves borne in whorls. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Hemlock (*Tsuga Abies Canadensis*).—A fine lawn and forest tree of pyramidal form, with light, spreading foliage. Height nearly 100 feet. Wood coarse but valuable for many purposes. Bark used for tanning. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Juniper, Irish (*Juniperus communis Hibernicus*).—A close, upright growing tree, with silvery foliage. Handsome for columnar effects in landscapes. 10 cts. pkt.; 15 cts. oz.; 60 cts. lb.

Nutmeg Tree, Californian (*Torreya Californica*).—A large tree, 50 to 75 feet high. Wood light colored, close grained and very fragrant. Not hardy in the Northern States. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Pine, Japan Umbrella (*Sciadopitys verticillata*).—Curious and remarkable. Leaves dark, glossy green, crowded into whorls at the joints of horizontal branches. Not hardy north of Washington. 25 cts. pkt.; \$1.00 oz.; \$10.00 lb.

Pine, Yellow, Georgia or Long-Leaved Southern (*Pinus australis*).—A large, very ornamental tree, 60 to 80 feet high. Valuable for its timber. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Pine, California Mountain (*Pinus monticola*).—A tall, symmetrical tree, 60 to 80 feet high, resembling White Pine. 20 cts. pkt.; 75 cts. oz.; \$7.00 lb.

Pine, Yellow Heavy-Wooded (*Pinus ponderosa*).—One of the largest and most common trees of the Rocky Mountains. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Pine, White or Weymouth (*Pinus strobus*).—A stately, straight, handsome and valuable tree; height 100 to 150 feet. Wood white, and the most extensively used for lumber of any tree in America; fine ornamental tree. 10 cts. pkt.; 20 cts. oz.; \$1.75 lb.

Pine, Austrian (*Pinus Austriaca*).—A large, straight tree, of round and massive form, and rapid growth; rich, dark foliage. An important evergreen for lawn planting. 10 cts. pkt.; 20 cts. oz.; \$1.50 lb.

Pine, Swiss Stone (*Pinus cembra helvetica*).—Handsone conical form, perfectly erect and regularly branched. A native of the Alps, where it frequently grows over 100 feet high. 10 cts. pkt.; 15 cts. oz.; 75 cts. lb.

Pine, Corsican (*Pinus Laricio*).—A large, rapid growing, noble tree, resembling the Austrian Pine. 10 cts. pkt.; 25 cts. oz.; \$2.50 lb.

Pine, Scotch (*Pinus Sylvestris*).—A handsome, well known variety. Open, pyramidal form; foliage dark green. Rapid grower and distinct. A valuable, ornamental and timber tree. 10 cts. pkt.; 25 cts. oz.; \$2.00 lb.

Spruce, Douglas (*Pseudotsuga Abies Douglasii*).—A large and important timber tree of the West; height, 200 to 300 feet. Wood reddish, coarse grained, heavy, strong and valuable. Foliage rich blue; a charming and beautiful evergreen. 25 cts. pkt.; 75 cts. oz.; \$7.00 lb.

Spruce, White (*Picea Abies alba*).—A beautiful, compact and symmetrical tree, about 50 feet high. Endures hot summers and cold winters without turning brown. Wood tough, flexible, and used for spars, masts, etc. 15 cts. pkt.; 40 cts. oz.; \$4.00 lb.

Spruce, Norway (*Picea Abies excelsa*).—A favorite and handsome ornamental tree; of rapid growth and graceful habit. One of our best evergreens. 10 cts. pkt.; 15 cts. oz.; \$1.25 lb.

Spruce, Blue Colorado (*Picea Abies pungens*).—A beautiful, large tree of pyramidal form and dense growth; foliage rich sage blue. 35 cts. pkt.; \$2.00 oz.

Spruce, Oriental (*Picea Abies orientalis*).—A tall, compact, straight, beautiful tree. Leaves dark, and entirely surround the branches. One of our best evergreens. 50 cts. pkt.; \$3.00 oz.

FRUIT SEEDS.

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. 25c. pkt.; \$1.50 oz.

" Yellow. 25c. pkt.; \$1.50 oz.

Gooseberry, Green. 25c. pkt.; \$1.50 oz.

Peach Pits. 10 cts. qt.; \$1.75 bshl.

Pear Seed. 25 cts. qt.; \$2.50 lb.

Quince Seed. 25 cts. qt.; \$2.50 lb.

Raspberry Seed. 15 cts. pkt.; 75 cts. oz.

Strawberry Seed. 15 cts. pkt.; \$1.00 oz.

" Red Alpine. 25 cts. pkt.

NOVELTIES in FLOWER SEEDS for 1890

AND SPECIALTIES.

★ NEW PURE WHITE SPURRED COLUMBINE. ★

(*Aquilegia chrysantha alba.*)

The well known **Golden Spurred Columbine** has long been esteemed as one of our finest and most graceful hardy perennials. This *new pure white* variety is destined to be even more popular—as its flowers are of large size, pure snow white, with long spurs of elegant shape, and borne in lavish quantity. Charming for groups in the garden, and an excellent pot plant. (See cut.) Price, per packet, 25 cts.

ARABIAN { SUMMER } PRIMROSE.

{ FLOWERING }
(*Arnebia cornuta.*)

A new and charming annual, discovered by Dr. Regel, to whom we are indebted for so many beautiful floral treasures. The plant grows in bushy form about 2 feet high and about the same breadth. It blooms with unusual profusion during the whole summer—one plant often producing from 100 to 150 spikes of exceedingly beautiful flowers, over $\frac{3}{4}$ of an inch across, and of a rich primrose yellow, marked with 5 black spots; the spots change on the second day to a rich maroon, and on the third day vanish, leaving the flower a clear, bright yellow. It is an excellent cut flower; the blooms remain fresh, in water, for 10 days. Highly effective when grown in masses. Price, per packet, 25 cts.

★ THE MAMMOTH { EAST } CLIMBER. ★

{ INDIA }
(*Argyrea tiliaefolia.*)

A magnificent climbing plant of high and rapid growth; large, green, heart-shaped leaves, silvery white underneath; very large flowers of white and violet. The seed should be sown in the house or green-house, and the plants transplanted about the middle of May to a warm, sunny place in the garden. The plant is perennial and can be lifted without harm, and thrives well during winter in the conservatory; it can also be grown all the year in the open ground in our Southern States. It is a magnificent climber, and deserves to be largely cultivated.

Price, per packet, 25 cts.

NEW
WHITE
SPURRED
COLUMBINE.

TWO NEW COMET ASTERS.

This beautiful new class of Asters was introduced two or three years ago, and has given the highest satisfaction; there being a pink variety, bordered with white, and a solid rose colored one, which are offered on page 64. We now offer **two beautiful new colors**. The flowers differ from all others in having long, wavy and twisted petals, formed into a half globe, resembling the Japanese Chrysanthemums; flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches across. (See cut on page 64.)

Light Blue. A magnificent, bright, light blue. Per packet, 25 cts.
Blue, Edged White. Fine light blue; the edges of the petals margined white. Per packet, 25 cts.

ASTER, "SURPASSE TRIOMPHE."

The "Perfection" are among our most beautiful and perfectly formed Asters. In this new variety of "Perfection" we have something of surpassing beauty. The flowers are large, frequently measuring 5 inches across, perfectly double, of a brilliant crimson purple, each petal being margined with white, making it exceedingly effective. The plants are very dwarf, and bloom profusely. (See cut.) Per packet, 25c.

NEW GODETIA, "QUEEN OF THE FAIRIES."

A superb variety with large flowers of pure white, bordered with rose carnation and beautifully spotted with carmine—an exquisite summer flowering annual.

Per packet, 25 cts.

NEW ASTER, "SURPASSE TRIOMPHE."

NEW

"Marguerite" Carnations

A magnificent new class of Carnations that are without exception the most abundant bloomers of all the "Pinks." The flowers are of brilliant colors, ranging through many beautiful shades of reds, pinks, white, variegations, etc.; they are of perfect form and large size, and what is of special value, the calyx never bursts. *They bloom in about four months after sowing the seeds*; those sown in spring commence flowering in early summer, and continue to bloom in lavish profusion until checked by frost. They can be potted and taken in the house and will flower abundantly throughout the winter, though, if intended specially for winter flowering, it will be better to sow later in the season. They come eighty per cent. double. The plants are dwarf, much branched, compact and robust in habit, consequently supporting themselves without the use of unsightly stakes. These Carnations are novelties of unusual merit and destined to create a sensation. (See cut.)

Per packet, 25 cts.

AMARANTHUS MARGARITÆ.

A charming dwarf plant of noble appearance, very suitable for groups, a free and early bloomer, commencing to flower in a month after the seeds are up. The effect produced by its long, graceful shafts of flowers of purple color is admirable. Per packet, 15 cts.

New Spotted Bell Flower

(*Campanula punctata*.)

An elegant, new, perfectly hardy perennial, about 1½ feet high. The flower stems shoot up early in the spring, on which are borne numerous elegant, pendulous, bell-shaped flowers, milk white, dotted and striped with red on the inner surface—and as large as the well known Canterbury Bells—and which are produced the entire season until checked by frost. A splendid cut flower of elegant and graceful appearance in vases or bouquets. (See cut.) Per packet, 25 cts.

The flower seeds which you sent last spring were very satisfactory, especially the Pansies and Asters, which were very handsome.—MARION I. THOMAS, Frankfort, Somerset Co., N. J., Oct. 11th, 1889.

NEW "MARGUERITE" CARNATION.

Scarlet Fruited,

Palm Leaved Climber.

(*Cephalandra palmata*.)

A beautiful rapid growing climber from South Africa, growing about 30 feet high. The vines are long, slim and straight, bearing very large palmated light green leaves. Flowers large reddish orange, succeeded by small bright carmine cucumber-shaped fruits. This luxuriant climber will grow almost anywhere.

Per packet, 25 cts.

NEW SPOTTED BELL FLOWER.

NEW POPPY

Double Pæony Flowered

White Striped Scarlet.

An exquisite new color of this favorite and free flowering annual; large double flowers, striped with fiery scarlet on satin white. Per packet, 25 cts.

NEW DOUBLE FLOWERED

Ragged Sailor, Corn Flower or Blue Bottle.

(*Centaurea cyanus fl. pl.*)

The National Flower of Germany and celebrated as the late Emperor William's favorite flower.

Who does not know and love the old-fashioned Ragged Sailor or Bluets, cherished in our old gardens, and its praises sung by poets? It retained its primitiveness for years, but at last has sported, and produced what may be justly called double flowers of unusually large size and filled up to the centre with florets, forming handsome globular flower heads. We offer the seed in mixed colors, which contain, in addition to the usual colors of light and dark blue, white, pink and red; several striking new shades, such as dark red with light blue edges, white striped with red and blue, etc. A continuous bloomer of great value as a cut flower, destined to unparalleled popularity and highly recommended. (See cut No. 2 and note the difference between the old style No. 1.) Per packet, 25 cts.

NEW DOUBLE FLOWERED CORN FLOWER.

THE GORGEOUS Annual Poinsettia.

"Mexican Fire Plant" or "Fire on the Mountain."

(*Euphorbia heterophylla* or *cyathophora*.)

This glorious novelty is an annual of the easiest culture, forming bushy plants 3 to 4 ft. high, with glossy green fiddle-shaped leaves, which form at the ends of the branches into large whorls and bracts, among which small green flowers appear in summer, and immediately after the leaves commence to color up. The smaller bracts among the flowers are of a brilliant orange-scarlet, and the large surrounding leaves soon become blazed with a darker fiery scarlet so that only a tip of green is left. As these colored bracts almost cover the plant, the effect is indescribably grand. Any one who has seen the gorgeous scarlet *Poinsettia pulcherrima* about Christmas in our green-houses can form some idea of the beauty of this Annual. Our long row of well colored plants is a wonderful sight and convinces us that groups or solid masses of this Annual Poinsettia will create a sensation anywhere. The seeds grow easily if sown in the open ground as soon as it is warm enough, but if they can be started early in the house or hot bed the brilliant scarlet color will appear much earlier in the season, and is always retained until frost. In its native habitat in Mexico the leaves become red in May and remain so until December. The plants should be grown in a warm situation, fully exposed to the sun, which enhances the brilliancy and hastens the coloring. If they are pruned when young they branch out into finely formed bushes. Water plentifully in dry hot weather. This "Annual Poinsettia" is also valuable as a pot plant for house culture. Seeds sown early in the summer will produce plants that retain their glowing scarlet leaves and bracts all winter. (See cut.) Per packet, 25 cts.

COCKSCOMB, "Queen of the Dwarfs."

This is the finest Cockscomb we ever saw. In a lot of 200 plants of this variety in our trial grounds, we do not think there was a variation in height of two inches, the average being 8 inches. The combs measured from seven to ten inches across, of perfect form and of a brilliant dark scarlet. A beautiful variety for garden or pot culture. Per packet, 25 cts.

"Defiance" { NEW SCARLET } Gloxinia.

A superb new variety of glowing crimson-scarlet, lustrous and dazzling, a richness of tone not before known in Gloxinias. The flowers are large, and the edges of the petals delicately frilled; the flowers stand erect, and the contrast between the velvety green foliage, which is veined with silvery white, is indescribably charming. It comes nearly true from seed, about ninety-five per cent., and is one of the finest novelties of the season. Per packet, 50 cts.

DOUBLE GOLDEN DATURA.

(*D. Chlorantha* fl. pl.)

We do not offer this as a new variety by any means, but its striking beauty in our trial grounds the past season induces us to prominently offer it. It is an annual of rapid and luxuriant growth, forming bushes about two feet high, and bearing large golden yellow funnel-shaped flowers fully three inches long

and nearly as broad, called double from the fact that the flowers are formed of usually three funnels set one inside of the other; very fragrant. A free flowering and handsome species. (See cut.) Per packet, 15 cts.

NEW GIANT

American Cowslip

(*Dodecatheon Clevelandi*.)

This beautiful perennial is now offered for the first time. It was discovered in California, and named by Prof. Edward L. Greene, of the State University of California, in 1888. It throws up stems of flowers fully 1 foot high, these being surmounted with from 6 to 10 large, beautiful, Cyclamen-like flowers of violet blue, with yellow and black centre. It is perfectly hardy, and a beautiful plant for partially shaded situations. (See cut.) Per packet, 25 cts.

NEW WHITE CUSHION PINK, "Snow King."

(*Silene pendula compacta*.)

A very dwarf, compact growing annual, 3 to 4 inches high, forming cushion-like plants 9 to 12 inches across, of easy culture, flowering throughout the summer, producing freely pure white globular flowers that entirely cover the plant. A charming novelty. Per packet, 15 cts.

DOUBLE GOLDEN DATURA.

NEW HYBRID MOON FLOWER

The Moon Flower has become an established favorite as a summer climber, and this "New Hybrid" variety is a great improvement; the flowers are much larger, and in bloom from 30 to 45 days sooner, and they also open earlier in the evening. Both foliage and flowers vary in form on different plants, some flowers being scalloped, others perfectly round, others five-pointed or star-shaped; the foliage also varies from the original shape to oak-leaved and heart-shaped forms, thus adding charm and interest to this grand climber. If planted in a warm, sunny position, it will give delight to all who cultivate it, growing with great rapidity to a height of 50 feet; the luxuriant, rich bright green foliage makes an admirable shade for verandas, arbors, etc., and when the magnificent, pure white flowers, 5 to 7 inches across, are open, which is from early evening until 10 to 12 o'clock the next morning, the effect is indescribably grand. (See cut.) Per packet, 15 cts.

"The Pride of California."

(*Lathyrus splendens*.)

This hardy Sweet Pea is one of the finest novelties of the season. It bears great dense clusters of brilliant deep rose flowers. Our collector writes:

"This truly magnificent *Lathyrus* is well worthy of this name, by which it is known in our mountains. It is the loveliest vine in the whole west, as we had abundant evidence in April, when for miles every bush along the road hung loaded with graceful and brilliant clusters of its deep rose-red blossoms. Dr. Parry, who first saw it in bloom in this city, climbing over a porch, and later saw it wild in Lower California, describes it as the handsomest flower in all California."

Per packet, 25 cts.

New Variegated Leaved Polygonum.

(*P. Orientale foliis variegata*.)

A new, beautiful and effective variety, growing 8 to 10 feet high into a strong bush. The flowers of lively red are borne in close spikes 7 to 8 inches long and in great numbers; the foliage is variegated with white. The effect of the handsome red bunches of flowers against this ornamental foliage is remarkably beautiful. It is of the easiest culture; seeds sown in the spring will produce flowering plants by July, and they continue blooming until frost. (See cut.) Per pkt., 25c.

NEW MUSK-SCENTED LARKSPUR.

(*Delphinium Brunonianum*.)

A very rare new hardy perennial variety from Thibet. The flowers are larger than any others in the species, being from 1 to 2 inches across; light blue, shading to purple on the margins, with a black centre, and they are particularly interesting, as they emit a powerful musky odor. The plant is very dwarf in habit, not over 6 to 12 inches high. Per packet, 25 cts.

NEW AFRICAN { OAK LEAVED } CLIMBER.

(*Melothria punctata*.)

A magnificent rapid growing climbing annual from South Africa, particularly adapted for festooning walls and piazzas that are in sunny situations, though it grows luxuriantly in partially shaded positions. The leaves are palmate (or palm-shaped) and of a bright refreshing green, and it grows so luxuriantly that it is difficult to penetrate it with the hand. Flowers are succeeded by great numbers of blue-brown berries. (See cut.) Per pkt., 25c.

NEW PRIMROSE { SILVER LEAVED } SUNFLOWER.

(*Helianthus Dammanii sulphureus*.)

A magnificent new annual variety, growing from 8 to 10 feet high; foliage luxuriant, glossy and silvery white; flowers very large and of a soft primrose yellow. Per packet, 15 cts.

AFRICAN OAK LEAVED CLIMBER.

SEE COLORED PLATE

SEE COLORED PLATE

HENDERSON'S NEW Mammoth Butterfly Pansies

IN 1887 we introduced a new strain of Pansy that we named the "Butterfly," which for variety and beauty has never been excelled. The only criticism ever brought against the strain was that the flowers were somewhat small; so that when we say that this year we are able to offer in the **NEW MAMMOTH BUTTERFLY PANSY** the same matchless forms, colors and markings that characterized the parent strain, *with flowers HALF AS LARGE AGAIN*, we are sure that we are offering something that will both astonish and delight lovers of this old-time garden favorite. It seems needless to describe, when the Colored Plate does it so much better, and we only wish to add that the types shown, which were painted from the actual flowers, are true representations. There is no exaggeration either in size, colors or markings; in fact, we had such a multitude of varieties to choose from, that for the first time in our long experience we were puzzled which to select. The testimonials here given were called forth by the beauty of the old Butterfly strain. Had these patrons seen the **NEW MAMMOTH BUTTERFLY PANSY** (now offered for the first time), their enthusiasm would have been even more pronounced.

CHAS. W. HILLEBRAND, Grower of Cut Flowers, Poughkeepsie, N. Y., June 29th, 1889, writes, "Every flower came up to the description; nothing like them was ever seen in this neighborhood before. Their wonderful markings are more beautiful than words can describe. They seem to me like the beautiful things, of which we heard in our childhood, but never expected to see."

POUGHKEEPSIE NEWS-PRESS, June 8th, 1889.—"Chas. W. Hillebrand called at the News-Press office Friday, and left a box of magnificent pansies, which were the finest ever raised by any Poughkeepsie florist. Arranged as they were by an expert hand, their rich combination of glowing colors and velvety petals of extraordinary size produced the effect of a kaleidoscope."

The Butterfly Pansy, the seeds of which we received from you, are now perfectly gorgeous.—MARY C. CASWELL, Concord, N. H.

I have a bed of pansies raised from your "Butterfly" seed which is the wonder and admiration of all who see it.—MRS. RACHEL HARVEY, Swifts City, Ind., July 5th, 1889.

The Butterfly Pansies I had from you last spring were magnificent.—E. W. WYSSON, Farmingdale, N. J., March 17th, 1889.

My Butterfly Pansies are grand. In the spring when I set out pansies people think I am pansy crazy; but when they are in bloom, every one who sees them gets as crazy as I.—MARY J. BROWN, Battle Creek, Mich., Aug. 16th, 1889.

Descriptions of HENDERSON'S NEW MAMMOTH BUTTERFLY PANSIES.

Collection of Ten Types as shown on the Colored Plate opposite.

No. on Plate.

No. 7. **UNIQUE.** White ground, each petal blotched with rich violet; an exquisite variety.

No. 8. **ORIFLAMME.** Golden ground color, splashed claret; upper petals nearly solid claret, margined yellow. Grand.

No. 9. **RED WING.** Beautiful light wine color with broad white margin, velvety violet blotches on lower petals. Lovely.

No. 10. **MASTERPIECE.** Velvety chocolate red, shading to wine red, narrow silver and pink margin. Very fine.

No. 11. **EBONY.** Rich velvety jet black with faint violet ring around the blotches. Flowers of much substance.

No. on Plate.

No. 12. **PEACOCK.** Upper petals wine red, margined yellow; 3 lower petals golden yellow, blotched with maroon and violet.

No. 13. **RAINBOW.** Upper petals violet, lower petals red maroon, splashed with gold; all margined with white and pink.

No. 14. **GOLDEN CREST.** Extremely large bright yellow flowers, with 3 dark blotches. Very striking.

No. 15. **CINNAMON.** Velvety red brown, with bright gold splashes, dark chocolate blotches, wine red markings.

No. 16. **TIGER.** Violet and lilac grounds, striped and blotched red, brown, gold, lavender, etc. Odd and beautiful.

PRICE for any one of above varieties, separate, 25c. per pkt.; any 5 packets for \$1.00; or the entire collection of 10 for \$1.50.

Henderson's New Mammoth Butterfly Pansies in mixed colors, from the above and other equally beautiful varieties—the *grandest mixture* ever offered. Per packet, 40 cts.; 3 packets for \$1.00; 7 packets for \$2.00; 12 for \$3.00.

SEE COLORED PLATE

Eckford's New Large Flowering Sweet Peas.

SEE COLORED PLATE

The characteristics of Eckford's New Large Flowering Sweet Peas are that, while they possess the same delicious perfume as any of the ordinary varieties, the flowers, produced in profusion, are nearly double the size, are more perfect in form, and present combinations in markings and colors heretofore unknown in this exquisite flower. While we offer an assortment of twelve varieties, our space on the colored plate opposite only permits us to portray six, sufficient, however, to show how surpassingly beautiful and distinct these famous new large flowering hybrids are.

No. 1. **Cardinal.** Crimson-scarlet, distinct and handsome.

No. 2. **Queen of England.** Pure white; a grand large flower.

No. 3. **Apple Blossom.** Bright rose. Wings apple blossom.

The above Six are the only sorts shown on the Colored Plate, but the varieties named below are equally beautiful.

Duchess of Edinburgh. Standard light scarlet, flushed crimson, splashed at the edge with white; wings deep rose.

Indigo King. Standard maroon purple, clear indigo blue wings.

Splendour. Rich pinkish rose, shaded with crimson; superbly distinct. 1st class certificate. R. H. S.

No. 4. **Queen of the Isles.** Rose, purple, scarlet and white striped.

No. 5. **Grand Blue.** Bright blue, mauve and violet.

No. 6. **Delight.** Beautiful creamy white, suffused with rosy pink.

The Queen. Light rosy pink standard, wings light mauve.

Princess of Wales. Shaded and striped mauve on white ground. Awarded a 1st class Certificate by the R. H. S. of London.

Lottie Eckford. An exquisite new variety of fine form.

PRICE for any of the above Sweet Peas, separate, per packet, 15c.; the collection of 6, as shown on the Colored Plate opposite, 75c.; or the entire collection of 12 varieties for \$1.25.

ECKFORD'S NEW LARGE FLOWERING HYBRID SWEET PEAS, MIXED. Saved from choice named and unnamed varieties, including many new ones of great merit. 15 cts. per pkt.; 75 cts. oz.; \$2.00 ¼ lb.

THE EXQUISITE

New Shirley Poppies.

A new strain of beautiful hardy annual Poppies, that deserve to be extensively grown; they flower lavishly for a long period. The illustration (much reduced) conveys but little idea of their exquisite beauty. The originator, Rev. W. Wilkes, says: "The absence of black blood, which I have been years in eradicating, gives them their wonderfully light, bright tissue-paper-like appearance. The colors range from purest white, with yellow stamens, through pinks of all shades to glowing scarlet, but a scarlet without black. Some are red with white edges, and others veined and streaked and flaked from the centre toward the edges in the most charming confusion." (*See cut.*) In mixed colors, per packet, 25 cts.

Large Flowering Hardy

NEW HYBRID ORIENTAL POPPIES.

(*P. Orientale* × *bracteata*—hybrids.)

These grand and showy summer flowering plants are unquestionably one of the finest hardy perennials grown. The plants grow about 2½ feet high, and throw up numerous flower stalks during the summer months, each bearing a magnificent and enormous flower, 4 to 6 inches across. These new hybrid varieties include charming new colors, including exquisite blush pink, blotched purple; deep blood red, blotched black; glowing scarlet; pure reddish orange; soft salmon, etc. (*See cut.*)

Per packet, 25 cts.

NEW SHIRLEY POPPIES.

→ NEW ←

Primrose Yellow *Tropæolum*.

(*T. Lobbianum*, "Asa Gray.")

This family of Lobb's Nasturtiums are among our most beautiful summer flowering climbers; they climb much higher than the ordinary Nasturtium (*T. majus*); the foliage is smaller, and the flowers, though no larger, are borne in greater profusion. This new variety is the lightest color yet produced, being a delicate primrose or soft sulphur yellow; a charming and graceful climber. Per packet, 25 cts.

New Golden-Leaved *Verbenas*.

(*V. hybrida foliis aureis*.)

These exquisite new varieties are of luxuriant growth, the flower the same size and substance as the ordinary varieties. The foliage is **golden yellow**. The colors range through white, scarlet, blue, etc., in various shades, and in their golden setting appear unusually beautiful and effective.

Mixed colors, per packet, 25 cts.

NEW HYBRID ORIENTAL POPPY.

Great White California Poppy.

(*Romneya Coulteri*.)

A fine perennial of supreme and stately beauty; it is one of the best of plants for yielding a long succession of bloom, flowering from July until November. It is of value as a cut flower, lasting well in water, and its delicate Primrose-like perfume is most acceptable in a room. The texture of the petals is extremely delicate, indeed half transparent; they never lose the crumpled folds that in the case of most Poppies betoken a newly opened state. Our collector writes: "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 feet." 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. (*See cut.*)

Per packet, 25 cts.

GREAT WHITE CALIFORNIA POPPY.

ALYSSUM.

Annual Varieties.

These flower profusely throughout the season—thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and the Tom Thumb variety for edgings.

Per Pkt.

Alyssum Maritimum. (Sweet Alyssum.)	
HA. White, 1 ft.	5
— Bentharii Compacta. (Tom Thumb Sweet Alyssum.) White, HA. ½ ft.	5

Hardy Perennial Varieties.

Showy plants for permanent borders and beds.

Alyssum Wiersbecki. Summer blooming; yellow. HP. 1 ft.	5
— Saxatile Compacta. Spring blooming; dwarf; golden yellow. HP. ¾ ft.	5

AGERATUM.

Suitable for pot culture in winter or bedding out in summer; flowering continually and profusely. HA.

Ageratum, Blue. 2 ft.	5
— White. 2 ft.	5
— Lasseauxi. Rose. 2 ft.	5
— Tom Thumb. Blue. ¾ ft.	5
— White. ¾ ft.	5

ALONSOA.

Pretty shrub-like plants for pots or gardens, bearing scarlet and other colored flowers in profusion. HHA. 1½ ft. 5

ANAGALLIS.

Pretty dwarf plants for garden, large bright flowers in the sunshine. Mixed colors. HHA. 1½ ft. 5

ASPERULA.

Clusters of charming fragrant flowers, admirably adapted for bouquets.

Asperula Azurea Setosa. Sky blue. 1 ft. HA.	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. HP. ...	10

AMPELOPSIS VEITCHII.

AMPELOPSIS VEITCHII.

"Japanese Ivy" or "Boston Ivy." Per Pkt.

The young growth during summer is a dark purplish green, changing in fall to the brightest tints of scarlet, crimson and orange; it is our finest hardy climber for permanently covering stone and brick buildings, old trees, etc. It clings by rootlets thrown out along the stem and consequently needs no support. HP. 50 ft. (See cut.) 10

AMARANTHUS.

Showy rapid-growing annuals, with very effective flower spikes or richly colored foliage. HHA.

Amaranthus Nobilis Pyramidalis. Each plant is crowned by an enormous flower spike, with numerous branching side spikes of flowers. The plant grows about 12 feet in circumference, gracefully tapering to a point. Height, 5 ft. For semi-tropical gardening it is unique and effective. (See cut.) 10

— 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; 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.	5

AMARANTHUS NOBILIS PYRAMIDALIS.

ANTIRRHINUM or Snapdragon.

For summer flower beds these beautiful "Snapdragons" are very showy, flowering from seed the first season. (See cut.) HHP.

Antirrhinum. Tall Mixed. 2 to 3 ft. Various colors.	5
— Extra Choice Striped Mixed. 2 to 3 ft. Various colors.	10
— Tom Thumb Mixed. Dwarf growing sorts, 1 ft. (See cut.)	5
— Nanum Picturatum. New blotched and spotted sorts of great beauty, 2 ft.	15

AQUILEGIA.

Handsome, ornamental, hardy plants.

Known as "Columbine." HP. 1 to 3 ft.	
Double White.	5
— Striped. Red and white.	5
— Mixed.	5
Single Mixed.	5
Golden Spurred. (Chrysantha.) Beautiful, long yellow spurred flowers.	10
New White Spurred. (See Novelties.) 25	

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. ½ ft.

Auricula. Fine Mixed.	10
— Extra Choice Mixed. From a prize collection.	25

ANTIRRHINUM, TOM THUMB.

✻ 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.)

Per Pkt.

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 colors.	10
New "Surpasse Triomphe." (See Novelties.).....	25

Comet Aster.

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. (See cut.)

Deep Rose.....	25
Pink Margined White.....	25
Light Blue. (New, see Novelties.)....	25
Blue Edged White. (New, see Novelties.).....	25

COMET ASTER.

Betteridge's Quilled.

Per Pkt.

Flowers composed of tube or quill-shaped petals. This is an improved strain, with large double flowers and of beautiful colors; 2 feet. 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

VICTORIA NEEDLE ASTER.

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.)

Per Pkt.

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

The Aster Seed purchased of you last spring produced the grandest collection we ever saw. I have one stalk with three flowers 5, 4 $\frac{1}{2}$ and 4 inches.—HUGH ROGERS, Greentree, Pa., August 7th, 1889.

BETTERIDGE'S QUILLED ASTER.

TRIUMPH 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
Snow White.....	10
Flesh.....	10
White and Azure Blue.....	10
Finest Mixed. Containing many beautiful colors.....	10

Asters, China.

A tall double flowering class, very largely sold, but by no means equal to the improved varieties. Mixed colors..... 5

DWARF CHRYSANTHEMUM FLOWERED ASTER.

* ASTERS. *

Per Pkt.

— **Deep Scarlet Triumph.** 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. (See cut.).....25

— **Goliath.** Flowers of enormous dimensions and perfect form; 2½ feet. Mixed colors.....15

— **Rose Flowered.** Flowers large and double, the outer petals finely recurved and the inner ones incurved like a rose; 2½ ft. Mixed colors...10

— **Hedgehog or Porcupine.** Flowers composed of long, slim pointed needles or quills. Mixed colors...10

CROWN ASTER.

* ASTERS. *

Per Pkt.

— **Diamond.** Flowers regular and double; 1½ inches in diameter, and produced in greatest profusion. Mixed colors. (See cut.) 15

— **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

Imported Collections of Asters.

Betteridge's Quilled. In 6 separate colors, 40 cts.; in 12 separate colors.....	75
Miniature Bouquet. In 10 separate colors.....	75
Crown, or Cocardeau. In 6 separate colors.....	50
Diamond. In 10 separate colors.....	75
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, 75	
Victoria. In 6 separate colors, 50c.; in 12, \$1.00

DIAMOND ASTER.

HARLEQUIN ASTER

* ASTERS. *

Per Pkt.

— **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 feet. (See cut.).....10½

— **Dwarf Pyramidal Bouquet.** Pretty class; very profuse bloomers, producing 20 to 50 heads of bloom; many beautifully tipped; grows 1 foot high. Mixed colors.....10

— **Giant Emperor.** This variety produces the largest flowers of any, but at the expense of quantity; many measure 6 inches and over in diameter, and are perfectly double; height 18 in. Mixed colors.....25

— **Miniature Bouquet.** Grows 6 to 8 inches high. The little round plants are fairly hidden with very double button-like flowers. Mixed colors...10

* DOUBLE 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, 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 Superb Varieties.....	75

BALLOON VINE.

A rapid growing, handsome summer climber, having small white flowers, which are followed by seed vessels shaped like small balloons. HA. 10 to 15 ft. 5

BARTONIA.

B. Aurea. "Californian Golden Bartonia," is one of the showiest and brightest of hardy annuals; large golden flowers, borne in great profusion all summer. HA. 1 ft. 5

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. ½ ft.

Bellis, Double White.....	15
— Longfellow. Large double rose colored flowers..	15
— Double Mixed. ½ ft. ...	15
— Double Quilled Mixed.	

The petals as round as a knitting needle; very pretty and curious. 25

Giant Snowball. Unusually large, very double, pure white flowers, valuable for cutting. (See cut.) 25

Rose Crown. Large double flowers, having a rose colored centre or crown in each flower. (See cut.) 25

Your collection of Balsams sent to my country place last spring produced magnificent, large, double flowers, and were the envy of my flower-loving friends. — LOUISE MORRISON, 345 West 21st Street, New York, Oct. 15th, 1889.

BRYONOPSIS.

COPYRIGHTED BY A. BLANC.

BRYONOPSIS.

BALSAMS.

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.

Begonia, Tuberous Rooted Finest Mixed. Single.....	15
— Finest Double Mixed. 25	

Fibrous Rooted Sorts.

Begonia Rubra. A beautiful and distinct winter flowering variety, bearing immense quantities of flowers of scarlet rose, glossy and wax-like. 15

— Rex. Large ornamental leaves of dark green, bronze, gold, red, etc. 25

— Scharffiana. New species from Brazil. Large thick leaves, resembling emerald green velvet on the surface and deep purplish red underneath; flowers large, pure white. 25

BRYONOPSIS.

A beautiful summer climber, bearing green fruits which change to bright scarlet striped with white. HHA. 10 ft. (See cut.) 5

BRACHYCOME.

The beautiful "Swan River Daisy," producing large single flowers of pure white. HHA. 6 to 8 inches. 5

BROWALLIA.

Plants completely studded with their beautiful flowers during the whole summer; also admirably adapted for pot culture in winter. HHA. 1½ ft.

Browallia, Blue.....	5
— White.....	5
— Roezli. Dense, compact habit; flowers very large; delicate azure blue and white.....	10
— Mixed.....	5

NEW DOUBLE DAISIES, ROSE CROWN AND GIANT SNOWBALL.

CALLIOPSIS, GOLDEN WAVE.

Calliopsis or Coreopsis.

Showy, free flowering summer bedding annuals, with large and gaudy flowers lasting in bloom all summer. HA. 2 ft. Per Pkt.

Calliopsis Golden Wave. Probably the most effective of all annuals, for a mass of bright golden color. 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. It will grow in any situation and always be greatly admired. (See cut.)

Dark Crimson.....	10
Finest Mixed.....	5
Yellow, Crimson Eye.....	5
Yellow and Purple Brown.....	5
Tom Thumb Mixed. A beautiful strain; plants dwarf and compact.....	10

Imported collection of 10 separate sorts, 50 cts.

Perennial Variety.

Coreopsis Lanceolata. One of the most showy, hardy plants grown. Flowers large, of bright golden yellow, produced in profusion for a long period. Unequaled for cutting; grows anywhere. HP. 2 to 3 ft. (See cut.)

CALCEOLARIA.

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
— Rugosa, Tigered, Spotted and Mottled Varieties Mixed	75

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. Per Pkt., 10 cts.

BIDENS.

Bidens Atrosanguinea. (Dahlia Zimapani.) Large, showy, free flowering plant resembling the Single Dahlias; black crimson flowers. HHA. 3 ft. Per Pkt., 10 cts.

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. (See cut.) Per Pkt., 10 cts.

COREOPSIS LANCEOLATA.

CACALIA.

Per Pkt.

Free flowering plants for flower beds, etc.; known as "Tassel Flower," flowers scarlet, orange, etc.

Cacalia. Mixed. HA. 1½ ft. 5

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

CALENDULA.

CANARY BIRD VINE.

Remarkably profuse blooming plants, for bedding out in the garden or growing in pots, vases, etc. HA. 1 ft. Per Pkt.

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
— La Prouste. Nankeen color; fine.....	5
— Pure Gold. A magnificent variety of pure golden yellow; large flowers, borne profusely until frost. (See cut.).....	10

CALCEOLARIA.

CALENDULA, "PURE GOLD."

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, Carpatica, Mixed.** Blue and white; dwarf, 9 in... 5
Pyramidalis, Mixed. Blue and white; a grand sort, known as the "Pyramidal Bell Flower." 4 ft. 5
Rotundifolia, Mixed. Blue and white; the "Blue Bell or Hare Bell." 6 to 12 in. 10

Annual Varieties.

- Campaula Speculum, Mixed.** "Venus' Looking Glass." Blue and white; pretty sort. $\frac{1}{2}$ ft. 5
Double. Charming double blue flowers. $\frac{1}{2}$ ft. 10
Macrostyla. Singular and curious variety; violet; oddly veined. 1 to 2 ft. 10

"CUP AND SAUCER" CAMPANULA.

(*C. Calycanthema*.)

A comparatively new race of "Canterbury Bells." The flowers are large, of beautiful colors, resembling in shape somewhat a cup and saucer. *HB.* $1\frac{1}{2}$ ft. (*See cut.*)

- Campanula Calycanthema, Mixed.** Blue, white, lilac, etc.... 10
Rosea. Beautiful rose color. Exquisite. 15

CANTERBURY BELL.

Produces large, nodding and charming flowers of many shades. *HB.* $2\frac{1}{2}$ ft.

- Canterbury Bells, Single Striped.** Blue, striped white. 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 and pot culture. *HHA.*

Cristata, the True Cockscomb.

- Celosia, Queen of the Dwarfs.** (*New. See Novelties.*) 25
Variegata. Striped, gold and crimson combs. 2 ft. 5
Japonica. Pyramidal plant, composed of crimson branches, each bearing a comb of the same color and finely ruffled... 5
Glasgow Prize. Very dwarf; immense crimson combs. 1 ft. (*See cut.*) 10
Dwarf Crimson. 1 ft. 5 | **Golden Beauty.** Golden yellow, 1 ft. 5
Dwarf Mixed. Many colors. 5

Imported collection of 6 dwarf varieties, 30c.

Plumosa, Feathered Cockscomb.

Plants surmounted with long feathery plumes.

- Plumosa, Golden Yellow.** 3 ft. 10
Scarlet. 3 ft. 10
"Golden Plume." Very dwarf, producing graceful golden plumes. 25
Mixed Colors. 10

CHENOPODIUM.

Atriplicis Victoria. Showy foliage plant. The leaves yellow, crimson-violet, pink, shaded green. *HA.* 3 to 4 ft. 10

CELOSIA, "GLASGOW PRIZE."

CARMINE CANDYTUFT.

"CUP AND SAUCER" CAMPANULA.

CANDYTUFT.

Dwarf plants, flowering profusely throughout the whole season; great favorites for beds, edgings, pots, borders, etc.

Annual Varieties.

Hardy Annuals, growing $\frac{3}{4}$ to 1 ft. high.

Candytuft, Empress. A most beautiful Candytuft, being a series of candelabra-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.

- Carmine.** (*See cut.*) 10
Crimson. 5
Lilac. 5
Purple. 5
White. 5
White Rocket. 5
Mixed Colors. 5

EMPRESS CANDYTUFT.

- White, Fragrant.** 5 | **Mixed Colors.** 5

Tom Thumb Candytuft.

Only 4 to 6 inches high; splendid for edgings.

- White.** 10 | **Rose.** 10
Flesh. 10 | **Purple.** 10
Mixed Colors. 10

Hardy Perennial Candytuft.

Candytuft, Sempervirens. (Evergreen Candytuft.)

- White.** 1 ft. 10
La Purite. Compact, dwarf, white. 6 in. 15
Gibraltica. Showy, large growing, red, rose and white. 1 to 2 ft. 25

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. $1\frac{1}{4}$ ft. 15
Gymnocarpa. One of the best. $1\frac{1}{2}$ 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

THE "PLANET JR." GARDEN TOOLS FOR HAND-USE.

These are the most perfect Garden Tools made, and have long been the most popular. They are known the world over, and beyond question are the most complete in equipment and most practical and labor-saving in the field that have yet been invented. We offer them for 1890 more perfect than ever. Our special "Planet Jr." Catalogue, fully illustrating and describing the different sorts of work accomplished, free on application.

The "Planet Jr." No. 2 Seed Drill.

This Standard 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 or get out of order, nor are its stirring devices in any way dangerous to the vitality of seeds. The seed hopper revolves with the wheels, having in its center a spring brass drum, with twelve discharge openings, easily regulated all at one time 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., easy and satisfactory. 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 the discharge openings 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, \$7.50. (List Price, \$9.00.)

List Price, \$9.00.
Our Net Cash Price, \$7.50.

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 Fig. 2. All the blades are steel, 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 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 labor. You can hoe or plow 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 and fine the ground for planting, gather stones and trash, cultivate plants when small, cover seeds, etc. The HOES (Fig. 5) cut close and clean, killing everything they meet, leaving the ground nearly level. The CULTIVATOR teeth mellow the soil deep or shallow, and are useful for making out rows for plants, seeds, sets, etc. The PLOWS (Fig. 3) 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, \$7.00. (List Price, \$8.00.)

List Price, \$8.00.
Our Net Cash Price, \$7.00.

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, (Fig. 5) supplied simply with one pair of long curved point hoes. This tool has the same adjustment of hoes 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, \$4.00. (List Price, \$4.50.)

Fig. 3.—The "Planet Jr." Double Wheel Hoe, Plowing and Hilling Celery.

Fig. 4.—The "Planet Jr." Double Wheel Hoe, Cultivating Lettuce.

Fig. 5.—The "Planet Jr." Double Wheel Hoe, Hoeing Onions.

The "Planet Jr." Single Wheel Hoe, Cultivator, Rake and Plow Combined.

Great strength, easy running, simple combinations and variety of attachments are striking features of this favorite for the season of 1890. The full equipment is shown in the cut. All the blades are steel, hardened in oil, tempered and polished. The wheel has an extra broad face, and is readily raised and lowered, and can be attached at one side of the frame so that one can cultivate both sides of a row of small plants at one passage. As with the Double Wheel Hoe, the Rakes level the ground, gather trash, cultivate, etc.; the curved Hoes work closely and safely, deep or shallow, while the Plow opens furrows, covers and plows, to and from, as desired; the Cultivator blades, work admirably, especially in deep work, and also mark out rows for garden crops, while the Leaf Guard is invaluable for work among large plants. All rows from six to eighteen inches apart can be perfectly hoed at one passage, and this tool, though not as well adapted to large fields of garden crops as the Double, is still a great favorite with many for that class of work. For the home vegetable garden its work is exactly what is needed for the easy cultivation of crops without the aid of a horse. Its lightness, strength and simplicity recommend it to all who examine it. Our Net Cash Price, \$5.50. (List Price, \$6.00.)

Fig. 6.—The "Planet Jr." Single Wheel Hoe Complete.

The "Planet Jr." Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.

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, etc., etc. 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, etc. In small gardens, where a horse is seldom used, it is invaluable for working the coarser crops, such as corn, cabbage, potatoes, celery, etc. The **CULTIVATOR** teeth are admirably adapted to deep mellowing of the soil. Two teeth can be used for marking out two rows at once, up to eight inches apart; and 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, \$10.00. (List Price, \$12.00.)

Fig. 7.—The "Planet Jr." Combined Drill with all Attachments.

crops. These can then be covered with it. When the plants appear above the surface, the little Fire-Fly can be neatly thrown back, and the earth can be repeatedly throughout the season, working deep or shallow as each particular crop demands at the time. 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. Our Net Cash Price, \$2.00. (List Price, \$2.50.)

The "Fire-Fly" Wheel Garden Plow.

"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 shallows or deep furrows for various purposes. The Fire-Fly 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, and this can be repeated throughout the season, working deep or shallow as each particular crop demands at the time. 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. Our Net Cash Price, \$2.00. (List Price, \$2.50.)

The "Planet Jr." Celery Hillers.

These tools are absolutely indispensable to celery growers. They have now been used two years, and the market gardeners around Philadelphia, among whom the tool was brought to perfection, bought them freely as soon as they were shown in actual use among celery. Several hundred were disposed of within ten miles of Philadelphia the past year; and during the working season further important improvements were made, and we now offer them fully perfected. The **DOUBLE** machine hills all rows from the first to the last time, when not planted over four and one-half feet apart. The first hilling the leaf guards are invaluable, enabling the operator to throw up the earth beneath all the leaves, so as to make the first "handling" very easy. Slotted knees at the rear make the vertical adjustment easy, while the patent lever expander is a simple and delightful method of adjustment to width. The **SINGLE** machine works but one side at a time, and throws harder and higher than the double, and is adapted to all width rows, from two feet to ten. It also has the leaf lifter and patent lever expander. It is more satisfactory for the last and highest hilling, and larger growers need both.

Fig. 9.—The "Planet Jr." Single Celery Hiller.
Our Net Cash Price, \$9.00.
(List Price, \$10.00.)

Fig. 10.—The "Planet Jr." Double Celery Hiller.
Our Net Cash Price, \$11.00.
(List Price, \$12.00.)

The "Planet Jr." Steel Horse Hoe, Cultivator, Coverer, Marker, Vine Turner, etc.

This well-known and popular tool, tho' acknowledged for years past to be the best in the market, has more striking improvements for 1890 than have ever before been added in one year. One admirable new feature is a powerful lever attachment for instant adjustment of width. Another, a quick adjusting device for the handles, regulating the height and also position sidewise; by the latter avoiding injury to corn, grapes, hops, pole beans, etc., and the stepping upon the finished row when making up plant ridges or covering corn, potatoes, etc. It also has the patent parallel frame, interchangeable and adjustable hollow steel standards, reversible blades, sleeved bolt holes, etc. It is sent out as shown in the large cut—a set of 1 1/4 inch plates, a furrowing tooth, marker, coverer, leaf lifters, sweeps, etc. can be added. With these combinations, the variety of work performed is astonishing, while the quality is the very best.

Furrowing Tooth and Marker.—Fig. 10.—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, etc. **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, etc., 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-inch and one 12-inch cut clean two and a half feet. 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.

Fig. 10.—Horse Hoe with Furrower and Marker.

Fig. 13.—Horse Hoe with Covering Roller.

Fig. 11.—Horse Hoe as Plain Cultivator.

Fig. 12.—Horse Hoe with Sweeps.

Fig. 14.—The "Planet Jr." Horse Hoe, Complete with Wheel.

NEW DWARF Large Flowering French Cannas.

(A few varieties are shown on the front cover of this Catalogue.)

A new class of Cannas, introduced by Monsieur Crozy, 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 and brilliant hues of the flowers, ranging through all shades of yellow and orange to the richest crimson, scarlet and vermilion; some are also beautifully spotted. Seed sown in a hot-bed or green-house from January to April will produce flowering plants in July. HHP. (See cut.) Per Pkt.

- Emile Leclerc.** Golden yellow, mottled crimson and scarlet, deep green foliage. 25
Admiral Courbet. Light yellow, blotched with orange scarlet, light green foliage. 25
Flamboyant. Crimson lake shaded orange, deep metallic green foliage. 25
Mme. de Liabaud. A grand variety; flowers deep carmine lake, sea green foliage. 25
Revol Massot. Flowers carmine red, lower petals blotched with golden yellow. 25
Gen. Boulanger. Canary yellow, mottled and streaked with crimson and scarlet. 25
Mixed. Contains many beautiful new varieties. 15
The collection of 6 varieties, 1 packet each, \$1.00.

CANNA. Old Types.

- 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, Old Types, 50 cts.

CARNATIONS.

CALAMPELIS. Per Pkt.

A beautiful climber on a south wall or trellis; bright orange flowers contrasting well with the light green foliage. HHA. 10 ft. 10

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

The packets of Crozy Cannas which I received from you last spring have produced at least two varieties superior to any named sorts I have seen. The Messrs. Veitch, Seedsmen and Florists, of this city, were much struck with them.—ROBERT PATON, gardener to Mrs. O. F. Winchester, New Haven, Conn., Sept. 23d, 1889.

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PETER HENDERSON & CO., NEW-YORK.

LARGE FLOWERING DWARF FRENCH CANNA.

CARNATION

Deserving of general cultivation, charming and brilliant colors, delicious perfume. For pot culture in the winter or for bedding out in the summer, they are unsurpassed. HHP. 1 to 2 ft. (See cut.) Per Pkt.

- Carnation, New Marguerite.** (See Novelties.) 25
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. Flowers 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. will come single.) 10
Imported collection of 6 finest double, separate sorts, 50 cts., or 12 for \$1.00.

CENTRANTHUS.

Compact and free flowering; flowers borne in immense clusters; fine for bouquets.

- Centranthus, Mixed.** White, red, rose, etc. HA. 1½ ft. 5

CLIANTHUS.

Magnificent plants, bearing clusters of gorgeously colored, pea-shaped flowers, several inches in length. HHP. 2 ft.

- Clanthus Dampieri.** (Australian Glory Pea.) Flowers brilliant scarlet with black eye. 15
Puniceus. (New Zealand Parrot's Bill.) Scarlet, spotted with white. 25

CHRYSANTHEMUM, "GOLDEN FEATHER."

Single Perennial
Varieties

CR

Paris Daisies.

These are the "French Marguerites" or "Paris Daisies," so much grown for cut flowers. They flower all summer in the garden and make elegant pot plants for winter flowering.

CHRYSANTHEMUM, DOUBLE ANNUAL.

Per Pkt.

Chrysanthemum Frutescens Grandiflorum. White, dark eye... 10
Comtesse de Chambord. Large golden yellow..... 25

✧ Chrysanthemums. ✧

THESE MAKE A GORGEOUS DISPLAY IN THE FLOWER GARDEN, OR GROWN IN POTS.

Single Annual or "Painted Daisy" Varieties.

Thrifty summer blooming plants, producing quantities of large flowers, these single sorts being particularly attractive. Colors, crimson, gold, maroon, white, etc., making a brilliant display. H.A. 12 to 18 inches high. (See cut.)

Chrysanthemum, Burridgi. Rich crimson, white centre..... 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. (See cut.)..... 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.)

— **Double Golden Yellow**..... 5
 — **Double Sulphur Yellow**..... 5
 — **Double White**..... 5
 — **Double Scarlet**..... 15
 — **Double Mixed.** (Annual.)..... 5
 — **Inodorum Plenissimum.** A semi-trailing variety; small double white flowers borne throughout the season in profusion. Fine for vases and cutting. 10

We grew some really fine varieties from your choice mixed Chrysanthemums—The seeds were sown last March, and the plants flowered this fall.—CARRIE HALL, Jersey City, Oct., '89.

CHRYSANTHEMUM, DOUBLE PERENNIAL.

Hardy Double Perennial Varieties.

These are gorgeous autumn flowering plants. Seeds sown early will produce flowering plants the first year. 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 feet. (See cut.)

Chrysanthemum, Chinese or Large Flowering. Double Choice Mixed... 50
 — **Japanese.** Double Choice Mixed. Long loose fantastic petals..... 50
 — **Pomponé or Small Flowering.** Double Choice Mixed..... 50
 — **Double Choice Mixed.** All types..... 50
 — **Double Good Mixed.** All types..... 15

✧ CLEMATIS. ✧

Handsome hardy climbers for training on walls, trellises, etc., or drooping over rock-work. HP. 6 to 12 feet.

Clematis, Large Flowering Mixed (Jackman's). Flowers 3 to 4 in. across, of charming shades of blue, white, purple, etc. 25

— **Coccinea.** Tubular flowers of waxy vermilion, interior yellow..... 15

— **Crispa.** Tube-shaped flowers, expanding into a star; exquisite pale blue and white; very fragrant.. 15

— **Flammula (Virgin's Bower).** Fragrant white feathery flowers, borne in clusters..... 10

Per Pkt.

✧ COBÆA. ✧

Elegant rapid growing climbers, that can be grown in the greenhouse in winter, or in the open ground in summer; flowers bell-shaped. HHP. 20 to 30 feet. (See cut.)

Cobæa Scandens, Blue..... 10
Cobæa Scandens, White..... 25

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 feet..... 10

COLLINSIA.

Free flowering annuals of great beauty, for massing and mixed flower borders. HHA. 1 to 2 ft.

— **Finest Mixed.** White, blue, violet, pink, etc.. 5

COBÆA SCANDENS.

CONVOLVULUS, OR MORNING GLORY.

The well-known Morning Glories. Splendid climbing and bedding plants. Unequaled for rapidity of growth and profusion of bloom.

Climbing Varieties. (C. Major.) HA. 30 to 50 ft.

Per Pkt.	Per Pkt.
Convolvulus, White. 5	Convolvulus, Rose. 5
— Blue. 5	— Blood Red. 5
— Striped. 5	— Mixed. 5
— Aureus Superbus. A smaller growing sort, with flowers of golden yellow. 10	
— Mauriticanus. A beautiful trailing variety for vases, baskets, etc.; flowers blue, white and yellow throat. HHP. 3 ft. 10	

CINERARIA.

Hybrida or Flowering Varieties.

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

CONVOLVULUS MINOR, "CRIMSON VIOLET"

COSMOS

Plants 4 to 6 ft. high; literally covered in the autumn with large single flowers, resembling Single Dahlias. Colors range thro' shades of rose, purple, flesh, white, etc. (See cut.)
Cosmos, Large Flowering, Mixed. Packet, 10c.
Pearl. Beautiful snow white. Per packet, 15c.

COSMOS.

CINERARIA HYBRIDA, LARGE FLOWERING. Per Pkt.

Cineraria, Dwarf Growing Large Flowering Mixed. ¾ ft. 50
— Double Large Flowering Mixed. 50
— Good Mixed. 25
— "Cart Wheel." Flowers of prodigious size, some measuring 3 inches across, or one-third larger than the ordinary sorts, of perfect form and a fine variety of colors. Mixed colors. 75
Cineraria, White Foliage Varieties. Also known as "Dusty Miller." Used for ribbon planting, vases, etc. HHP.
— Maritima. Silvery leaves, compact habit. 1 ft. 10
— Acanthifolia. Gray-white leaves, spreading habit. 2 ft. 10

CUCUMIS.

Cucumis Flexuosus. (Snake Cucumber.) Rapid growing summer climber, with curious fruits 3 ft. long. HHA. 6 ft. 5

CUPHEA.

Profuse blooming plants, for pot culture in the winter or bedding out in summer. Per Pkt.
Cuphea Miniata. Vermillion and violet flowers. HHP. 1 to 2 ft. 10
Roezlii Superba. Dense clusters of orange and red flowers. HHP. 2 to 3 ft. 15

IVY LEAVED CYPRESS VINE.

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. Per Pkt.
Convolvulus, Minor Unicaulis. Rich violet. 5
Crimson Violet. Rich crimson violet, white throat, yellow eye. (See cut.) 5
Roseus. Rose, with white throat, fringed purple, large golden eye. 5
Minor, Mixed. Including many varieties. 5

COLEUS.

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. Per Pkt.
Cowslip, Mixed Colors. HP. ¾ ft. 5

COSMIDIUM.

Showy annual for beds and borders, flowers large crimson, brown and yellow. HA. 2 ft. 5

CYPRESS VINE.

Summer climbers, feathery foliage and little star-shaped flowers borne in clusters. HHA.
Cypress Vine, White. 5
Rose. 5
Scarlet. 5
Mixed. 5
Ivy Leaved. Scarlet flowers. (See cut.) 5

CYPERUS.

Cyperus Alternifolius Variegatus. (Umbrella Plant.) A handsome foliage plant, adapted to 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

CYCLAMEN, Persian.

Beautiful low growing plants for pot culture, with elegantly marbled foliage. In the winter and spring a great profusion of exquisite flowers of rose, red, white, spotted, are produced. *HHP.* bulbs. $\frac{1}{2}$ ft. *Per Pkt.*

- Cyclamen Persicum, Finest Mixed..... 25
 — Giganteum, Mix'd. (See cut.) Flowers of enormous size for a Cyclamen; 2 to 2½ in. long..... 50

DATURA.

Strong growing plants, known as "Angel's Trumpets;" large, showy flowers, suitable for borders. *HA.* 3 ft.

- Datura, Double Golden. (See Novelties.)..... 15
 — 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

DAHLIA.

Large, magnificent flowers, of the richest shades of orange, maroon, crimson, white, etc., indispensable for garden decoration. *HHP.* 4 to 6 ft.

Double Varieties. *Per Pkt.*

- Dahlia, Fine Double Mixed. 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. Large flowers, handsomely striped and spotted; they flower profusely the first season from seed. (See cut.)... 15

CACTUS DAHLIA.

- D. Juarezii. Brilliant scarlet flowers of distinct and remarkable appearance and worthy of extensive cultivation..... 25

DIGITALIS.

"Foxglove" or "Witches' Fingers"; ornamental hardy border plants, having long spikes of showy flowers. *HP.* 3 to 5 ft. (See cut.)

- Digitalis, White..... 5 | — Purple..... 5
 — Mixed..... 5 | — Spotted Mixed.. 5
 — Monstrosa, Mixed. Long spike, surmounted with one enormous flower; novel and beautiful. 15

I have always had the best collections of Asters from your seed of anyone, and my Sweet Peas are beautiful.—
 MRS. A. F. DAVIS, Rutland, Vt., June 12, 1889.

For an "Abridged List" of standard varieties of Flower Seeds not specially mentioned here, see pages 89 and 90.

DAHLIA, SINGLE STRIPED MIXED.

The Cineraria I got from you last year surpassed all other strains I ever had.—A. A. WHITBRED, Florist, Altoona, Pa.

CYCLAMEN GIGANTEUM.

DIGITALIS MONSTROSA.

DELPHINIUM.

These hardy Larkspurs are very handsome and well suited for permanent beds. *HP.* *Per Pkt.*

Delphinium "Zail." (A Hardy Yellow Larkspur.)

Of a pure sulphur yellow, a lovely and delicate shade, resembling in color the Marechal Neil Rose. The plant is of branching habit, 3½ to 4½ feet high; 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. (See cut.)..... 15

— 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, 1½ ft. 10

— Finest Mixed Hybrids. Includes many varieties 5

For Annual Varieties, "See Larkspurs."

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

ERYSIMUM.

Showy summer blooming plants, for mixed borders or clumps. *HA.*

Erysimum Arkan-sanum. The Western Wallflower; sulphur yellow. 1½ ft. Per pkt., 5c.

— Peroffskianum. Reddish orange. 1 ft. Per pkt., 5c.

Euphorbia Variegata.

"Snow on the Mountain." A large robust growing hardy annual, with very ornamental green foliage, striped with white. *HA.* 2 ft. Per packet, 5 cts.

Erythraea Muhlenbergi.

Charming little hardy annual, with star-shaped flowers of pink and white. *HA.* ¾ ft. Per pkt., 15 cts.

DELPHINIUM ZAIL.

Dianthus—OR—Pinks.

The family of "Pinks" are 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, Snowflake.** Purest white; flowers of immense size, very double and delicately fringed at the edges of petals. (See cut.)...15
 — **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
 — **Diadematus fl. pl., Mixed.** Diadem pink; compact; flowers densely double...10
 — **Imperialis fl. pl., Mixed.** Imperial pink 5
 — **Laciniatus fl. pl., Mixed.** Dbl. fringed.10
 — **Striata fl. pl.** Large double fringed flowers of crimson, rose, white, etc., all beautifully striped. (See col'd plate, p.85)10
 — **"Mourning Cloak."** Violet, black and maroon flowers, bordered white10
 Imported collection of 8 separate varieties, 50 cts.

DIANTHUS PLUMARIUS FL. PL.
(Type of Double Perennial.)

DIANTHUS HEDDEWIGII FL. PL.
(Type of Double Annual.)

DIANTHUS.

Single Annual Varieties.

Flowers very large and freely produced, and of the richest colors and finely fringed. The plants are of fine bushy habit, and produce an abundance of bloom, continuing uninterruptedly till late in autumn. (See cut.) Per Pkt.

- Dianthus, "Crimson Belle."** Velvety glowing crimson. (See cut.).....10
 — **"Eastern Queen."** Beautifully marbled with light and dark mauve. (See cut.).....10
 — **Snowflake.** Pure snow white.10
 — **Laciniatus, Mixed.** Finest fringed sorts..... 5
 — **The Bride.** A new single variety of great beauty. Flowers of large size and perfect form, marked in the centre with a velvety dark violet, with an outer zone of a still deeper shade, contrasting strikingly with the snowy whiteness of the flower...15

Eupatorium Frazerii.

Hardy perennial plants, with large clusters of fine white flowers; fine for bouquets. 2 to 3 ft. 5

DIANTHUS, "DOUBLE SNOWFLAKE."

DIANTHUS.

Hardy Double Perennial Varieties.

These make splendid clumps for permanent beds. Per Pkt.

- Dianthus Gardnerianus fl. pl., Mixed.** Large fragrant 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 color'd flowers; dark circle 5
 — **Dentosus.** "Amoor Pink." Reddish lilac, with a ring of purple streaks..... 5

Eschscholtzia.

Called California Poppies; showy summer flowering plants; large saucer-shaped flowers of striking brilliancy in the sunlight; they flower profusely throughout the season. H.A. 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 single sorts 5

Double Varieties.

- **Double White.** 10 — **Double Yellow.** 10
 — **Double Mixed**10

EUCHARIDIUM.

Eucharidium Breweri. Showy, dwarf spreading, summer flowering plants, for massing, producing freely large flowers of purplish rose shading to white at the centre. H.A. 1 ft.15

FERN.

Graceful plants, giving a beautiful appearance to the conservatory or window; the hardy sorts, grown in clumps, shady nooks, rockeries, etc., are very effective.

- Fern, Green-house Varieties, Mixed. TP.**
 6 in. to 2 ft.15
 — **Hardy Varieties, Mixed. HP.** 1 to 3 ft.15

DIANTHUS, "CRIMSON BELLE" AND "EASTERN QUEEN."
(Type of Single Annual.)

ESCHSCHOLTZIA, "ROSE CARDINAL."

GERANIUM, LARGE FLOWERING ZONALE.

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. Sown early they flower the first season. *HHP.* 12 to 18 in. high.

Zonale, or "Horseshoe" Geraniums. *Per Pkt.*

- Geranium, Single Mixed, including many varieties..... 10
- Large Flowering, Single Mixed from new varieties. (*See cut.*).... 25
- General Grant. Vivid scarlet; best scarlet for massing..... 10
- Double Mixed. Includes many varieties. 25

Ornamental Leaved Geraniums. *Per Pkt.*

- Geranium, Gold and Bronze Leaved. Mixed varieties..... 25
- Silver Leaved. Mixed varieties..... 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

* Gladiolus. *

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.*

- Gladiolus, 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

For Gladiolus Bulbs see pages 96 and 97.

GLOBE AMARANTH.

"Bachelor's Buttons"; ornamental summer-blooming plants and fine for "Everlastings." *HA.* 2 feet.

- Globe Amaranth, White..... 5 | Globe Amaranth, Purple..... 5
- Mixed..... 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..... 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. *TP.* bulbs. 1 ft. *Gloxinia*, Large Flowering Mixed. Choice varieties..... 50

GAILLARDIA.

Exceedingly showy; bearing large flowers of scarlet, white, yellow and other rich shades, which are produced from early summer until frost. They are exceedingly effective when grown in masses. As corsage flowers and for vases they are unrivaled, and last a long time after being cut. (*See cut.*) *HHA.* 1 to 2 ft.

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. *Per Pkt.*

- Amblyodon. Rich blood red..... 10
- Sun Kissed. Gold and scarlet..... 10
- Aurora Borealis. Rings of gold, crimson and white. (*See cut.*)..... 10
- Gloire d'Paris. Beautiful salmon..... 10
- Avalanche. Satin white..... 10
- Flower of Gold. Rich yellow. (*See cut.*)..... 10
- Illumination. Red, bordered white..... 10
- Collection of above 7 new grand Hybrid Gaillardias..... 60
- Gaillardia, Mixed Single Varieties. Includes many sorts..... 5
- Lorenziana. Large round heads, composed of 30 to 50 flowers of orange, claret, amaranth, sulphur, etc..... 10

Geum Atrosanguineum fl. pl.

Showy hardy perennial plant, with double scarlet flowers, 1½ ft..... 10

Golden Rod.

"America's National Flower," the favorite yellow wild beauty, hardy perennial, 2 to 3 ft..... 5

Gnaphalium Leontopodium.

"Alpine Edelweiss," beautiful silvery white downy Everlasting, hardy perennial, ½ ft..... 25c.

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.

Per packet, 5 cts.

GAILLARDIA, FLOWER OF GOLD.

GAILLARDIA, AURORA BOREALIS.

GLOXINIA.

DUCHESS OF ALBANY.

GODETIA, LADY SATIN ROSE.

BRILLIANT.

Per Pkt.

- Godetia, Lady Albemarle.** Flowers 3 inches across; crimson and carmine, delicately suffused with lilac. 5
The Bride. White, with crimson centre. 5
Duchess of Albany. Satiny white flowers, 4 inches across. (See cut.) 5
Nameless Beauty. Handsome new variety; particularly pleasing combination of white passing into blush; large carmine spots at the base of the petals, and with a satin-like lustre. 15
Bijou. Only 6 inches high, milk white with crimson spots. 5
Finest Mixed. Includes many sorts. 5

GODETIA.

Handsome summer flowering plants of dwarf, compact growth, bearing freely large flowers of exquisite colors and shades. HA. 1 ft. (See cut.)

Per Pkt.

- General Gordon.** Rich ruby crimson, edging to rose. 15
Lady Satin Rose. Deep rose pink, glossy and satiny, by some thought the most beautiful annual of recent introduction. (See cut.) 15
Queen of the Fairies. (New. See Novelties.) 25

Per Pkt.

- Godetia, Apple Blossom.** Large heads of silvery white flowers, spotted with crimson shading to pink. 15
Tom Thumb Brilliant. Carmine, flamed with crimson shading to rose and blush; rich and glittering. (See cut.) 15

Gourds.

Summer climbers of exceedingly rapid growth and luxuriant foliage, bearing ornamental and curious fruits known as "Ornamental Gourds." TA. 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
Sugar Trough. 5
Striped Flat. 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 cts.

GOURD, CHINESE LOOFA.

Helichrysum.

Showy summer blooming plants; flowers large, full and double; in shades of white, yellow, crimson, etc.; valuable as an "Everlasting" for winter bouquets. HA. 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

HONESTY.

The "Moonwort." Summer blooming plants for borders. Their flat, oval seed vessels are transparent and silvery, extremely pretty in winter bouquets. HB. Purple. 2 ft. 5

HELIPTERUM.

Helipterum Sanfordi. Pretty annual, producing large clusters of rich yellow flowers; an "Everlasting" for winter bouquets. TA. 3 ft. 5

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.** 1 1/2 ft. 10
Queen of Night. (See Novelties) 15

HIBISCUS CALIFORNICUS.

HIBISCUS.

Large growing plants bearing showy flowers 3 to 4 in. across; highly ornamental for borders. *Per Pkt.*

- 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.*) 15

HUMEA.

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. *Per pkt.* 10 cts.

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. *Per packet,* 15 cts.

Ipomoea.

Rapid growing summer climbers, among our prettiest for covering trellises, pillars, etc. Large beautiful flowers. *HA.* 15 to 30 ft. (*See cut.*)

IPOMOEA GRANDIFLORA
MARMORATA.*Per Pkt.*

Ipomoea 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*

— **New Hybrid Moonflower.** (*New. See Novelties.*) 15

— **Burridgi.** Rose and crimson. 5

— **Coccinea.** (*Star Ipomoea.*) Small scarlet flowers. 5

— **Marmorata.** Foliage beautifully striped and variegated, flowers of various colors. (*See cut.*) 10

— **Hookeri.** White, lake red and blue. 10

— **Limbata.** Violet, margined white, rose throat. (*See colored plate, page 85.*) 10

— **Large Flowering Mixed.** Many beautiful sorts. 10

— **Leari.** ("Blue Dawn Flower.") Intensely bright blue. Splendid. *25*

Imported collection of 10 separate sorts, 75 cts.

KALANCHOE CARNEA.

(Awarded a First-Class Certificate, Royal Horticultural Society.)

This strikingly beautiful plant for pot culture commences to flower at Christmas, and continues in bloom throughout January and February. The flowers are borne in large wax-like clusters and last a long time in perfection, are of a beautiful delicate pink color, and in addition are deliciously fragrant. It is of easy culture, very floriferous, and succeeds well in a temperature of 50 to 55 degrees. *HHP.* 1½ ft. *Per packet,* 25 cts.

KALANCHOE CARNEA.

HOLLYHOCK.

Henderson's Superb Double.

One of our grandest summer and autumn flowering plants; bearing 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. *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 collection. *15*

— **Crimson Pyramid.** It grows only 12 to 18 inches high, and produces glowing crimson semi-double flowers from June to September.

HB. 18 inches. 50

Imported collection of 12 separate sorts, \$1.25.

Imported collection of 6 separate sorts, 75 cts.

HOLLYHOCK, HENDERSON'S
SUPERB DOUBLE.

MIGNONETTE, MACHET.

* MIGNONETTE *

This deliciously fragrant flowering plant is probably the most popular annual grown. (See cut.) Per Pkt.

- 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
- **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
- **Giant Pyramidal.** Flowers reddish, sweet scented and very large.. 10
- Mignonette, Miles' Hybrid Spiral** Flowers white, very fragrant spikes 8 to 12 inches long; plant dwarf and branching..... 10
- **Machet.** A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best varieties. (See cut.)..... 10
- **Golden Queen.** Golden yellow flowers; dense dwarf growth; fine and profuse flowering..... 10

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. T.A. 6 to 10 ft.

Maurandia Hendersoni (Lophospermum). Rosy violet, spotted and striped white..... 10

— **White....** 10 | **Maurandia, Rose** 10

— **Mixed....** 10 | — **Rich Violet.** 10

MESEMBRYANTHEMUM.

MIMULUS, EL DORADO.

* MIMULUS *

"Monkey Flowers."

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 of enormous size 25
- **Fine Mixed Spotted Varieties....** 10
- **Duplex Mixed.** Flowers are borne in pairs, one protruding from the other.. 15
- **Moschatus.** (Musk Plant.) Foliage emits a strong musky perfume; yellow 10

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

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. T.A. 13 ft. (See cut.)... 25

MESEMBRYANTHEMUM.

Mesembryanthemum, Tricolor. Dwarf spreading plants, growing in sunny positions and producing freely large wax-like flowers of various beautiful colors. HHA. 1/2 ft. **Mixed Colors.** (See cut.)... 5

* * MARIGOLD. * *

Showy summer blooming favorites; very effective for distant groups and masses. HHA. Per Pkt.

African Marigolds.

- 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
- **Nugget of Gold.** Very double quilled flowers of rich golden yellow..... 15
- **Fistulosa Lutea.** Little, finely quilled, lemon flowers; 1 ft. 10

French Marigolds.

- **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. 10
- **Nana Faviflora Brunea.** Orange and ruby maroon; 1 ft. 10
- **French Pygmy.** Crimson-maroon, regularly striped with orange yellow..... 15
- Imported collection of French, 6 separate colors..... 30 | Imported collection of African, 6 separate colors..... 30

MUSA.

MYOSOTIS, "VICTORIA."

NASTURTIIUM, "TOM THUMB."

♦ ♦ MUSA. ♦ ♦

Musa Ensete. (Abyssinian Banana Tree.) Magnificent for green-house or sub-tropical massing. 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.)

MYOSOTIS OR FORGET-ME-NOT.

The popular "Forget-me-nots." Bushy plants, bearing clusters of lovely small flowers. *HP.* 6 to 12 inches high. *Per Pkt.*

Dwarf Alpine. Compact varieties, 4 to 6 inches high; flowering profusely; mixed colors.....	10
Myosotis Palustris. Large flowering, dark blue. 1 ft. 10	5
— Alpestris, Blue. 1 ft. 5c. — White. 1 ft. 5	5
— 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 1/2 an inch across; rich turquoise blue, without eye; in dense clusters. 6 inches. 15	15
— New Victoria. Plants perfectly round, 5 to 7 inches high and 16 to 18 inches in circumference; perfectly covered with large umbels of flowers of azure blue, remaining in bloom a long time. (See cut.).....	15

❖❖ 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 Oz.	Per Pkt.
Tall Rose	30c.	5
— Orange	30c.	5
— King Theodore. Maroon.....	40c.	5
— Yellow, spotted crimson	30c.	5
— Purple	30c.	5
— Crimson	30c.	5
— Lemon Yellow	30c.	5
— Chocolate	30c.	5
— Scarlet, flamed purple	30c.	5
— Scarlet	25c.	5
— Straw. Striped scarlet.....	30c.	5
— Pearl. White.....	50c.	10
— Scarlet and Gold. Bright yellow foliage; flowers dark crimson scarlet; strikingly effective.....	15	
— Mixed. Contains many beautiful sorts.....	Per Oz. 15c.; Per Lb. \$1.50	5

Imported collection of 12 climbing varieties, 50 cts.

LOBB'S NASTURTIIUMS.

Tropæolum Lobbianum. The leaves and flowers are somewhat smaller than the Tall Nasturtiums above, 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, they are also splendid for winter decoration in the green-house and conservatory. *HHA.* 4 to 6 ft. (See cut.)

Brilliant. Rich scarlet.....	10
Spitfire. Fiery red.....	10
Triomphe de Gand. Orange-scarlet.....	10
Finest Mixed Sorts	10

Roi des Noirs. Black.....	10
Napoleon. Yellow, striped rosy scarlet.....	10
Geant des Batailles. Carmine.....	10
Primrose Yellow. (New. See Novelities).....	25

Tom Thumb Nasturtiums.

One of our showiest and most popular annuals. Compact plants, not over 1 ft. high, making gorgeous masses of color. (See cut.)

	Per Oz.	Per Pkt.
Scarlet	30c.	5
Rose	30c.	5
Yellow	30c.	5
Gem. Sulphur, spotted maroon.....	30c.	5
King of Tom Thumbs. Crimson.....	40c.	5
Spotted	30c.	5
Ruby King. Ruby red.....	40c.	5
Pearl. White.....	35c.	5
Beauty. Striped yellow and red.....	30c.	5
King Theodore. Dark maroon.....	40c.	5
Empress of India. Brilliant crimson, dark foliage, very effective.....	50c.	10
Cloth of Gold. Golden yellow foliage, scarlet flowers.....	50c.	10
Lady Bird. Orange yellow, red spots.....	10	
Chameleon. Peculiarly marked with crimson, bronze and golden yellow.....	10	
Mixed. Many sorts. Per oz. 25c.; Per lb. \$2.00	5	

Imported collection of 12 Tom Thumb varieties, 50 cts.

❖❖ 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 ft. high. (See cut.)

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

LOBB'S NASTURTIIUM.

NIGELLA, "DWARF DOUBLE."

* **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

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.*..... 10

OXALIS.

Pretty little half trailing plants, for hanging baskets, vases, rock-work and edgings, flowering in profusion. 6 to 9 inches. *HHA.*

Oxalis Rosea. Rose..... 10
 — **Alba.** White..... 10
 — **Mixed.** Annual sorts..... 10
 — **Tropæoloides.** Yellow with brown foliage..... 10
 — **Valdiviana.** Yellow; fragrant.... 10

Passion Flower.

Handsome, rapid climbers, for green-house decoration or sunny positions in the open ground in summer. *Carulea* and *Incarinata* are sometimes hardy with us in a sheltered situation, and are entirely so further south. *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..... 25

PLATYCODON.

Platycodon or Wahlenbergia. Large Flowering Mixed Colors. The large flowered Chinese Bell Flower; showy hardy perennial for permanent beds or borders, bearing large, broad, bell-shaped white, blue or pink flowers. *HP.* 6 to 12 in..... 10

PALM, LATANIA BORBONICA.

* **PALM.** * *Per Pkt.*

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. (*See cut.*)..... 25
Oreodoxa Regia. Long, slender, fern-like, arching leaves..... 25
Seaforthia Elegans. Long arching graceful leaves..... 25
Areca Lutescens. This is considered the loveliest of the *Areas*. Fine arching divided leaves, stems yellow..... 25
Brahea Filamentosa or Pritchardia. "The California Fan Palm." A rapid growing and grand variety for cool houses. 25
Kentia Forsteriana. This is one of the most graceful and hardiest of its class; for table decoration it has scarcely its equal; gas does not seem to affect it..... 25
Kentia Belmoreana. This is the curly Palm, and differs from the preceding only in a tendency in its leaves to curl under, which is peculiarly beautiful 25
Kentia Canterburiana. A beautiful large growing variety. Leaves of a very bright green and of large size. Seeds very large..... 35
Kentia Moorei. Very rare; a beautiful dwarf fan-leaf Palm..... 50

HENDERSON'S NEW LARGE FLOWERING DOUBLE PETUNIA

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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

Henderson's New Large Flowering Double Petunias.

A magnificent large flowering strain with flowers twice the size of the old sorts, and of the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed most beautifully. This strain we believe to be the finest in the world, and will produce a large percentage of double.

Mixed Colors. (*See cut, and also colored plate, page 85*)..... 25
Large Flowering Double Fringed. Mixed, 50c.; **Green Edged, Mixed.**..... 50
Dwarf Double Inimitable. Grows 6 to 8 in. high; small very double cherry and white flowers 50

Single Large Flowering Petunias.

Fringed Mixed. Beautifully fringed. *Per Pkt.* 25 | **Yellow Throated Mixed.** Having deep, broad yellow throats with veins running up through the flower; very handsome.. 50
Mixed. All sorts; large flowering; striped, blotched, veined, fringed, etc. (*See cut.*).. 25

* **Petunia.** *

Few, if any, plants

Per Pkt.

HENDERSON'S LARGE FLOWERING SINGLE PETUNIA.

COPYRIGHTED 1888
BY PETER HENDERSON & CO.
NEW YORK.

✧ Pansies. ✧

THESE charming and universal favorites are now much improved in size, shape and color. 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 sorts now offered. (See cut.)

The above cut illustrates some of our best strains of Pansy, viz:
No. 1. Henderson's Highland; No. 2. Giant Trimardeau; No. 3. Henderson's Fancy; No. 4. German Mixed; No. 5. Good Mixed; No. 6. White Treasure.

HENDERSON'S NEW MAMMOTH BUTTERFLY PANSY. (See page 88, and Colored Plate, page 89.)

Henderson's Highland Pansy.

This is a typical Scotch strain, especially grown for us by the most celebrated Pansy specialist in Scotland, a country whose climatic conditions are conducive to the production of the best Pansies in the world. Their merit consists in *uniformity* of clear, distinct markings, high colors, great substance, perfect form, and all the flowers are of the *largest size* and of *unsurpassed beauty* in myriad forms and markings. **Mixed Colors** (see No. 1), 50 cts. per packet.

Pansy, Henderson's Fancy Mixed. (See 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.

— **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

— **German Finest Mixed**, including many colors (see No. 4).. 15

— **Good Mixed** (No. 5)..... 10

Pansies in Separate Colors.

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.... 25

Emperor William, dark blue. 10

King of the Blacks, black.... 10

White Treasure, white (No. 6) 10

Beaconsfield, violet, shading to heliotrope, lavender and white..... 10

Delicata, porcelain blue, white centre..... 10

Snow Queen, satiny white... 15

Rex, deep velvety purple.... 10

Fire Dragon, fiery orange, purple eye, bright bronze yellow edge..... 10

Striped..... 10

Yellow..... 10

Gold Margined, splendid... 10

Azure Blue, fine shade.... 10

Bronze..... 10

Mahogany..... 10

Imported Collection of German Pansies, 6 varieties, 50c.; 12 varieties, \$1.

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 or Trimardeau Pansies. (Fig. No. 2.)

These remarkably large Pansies, for size of flower and robust growth eclipse by all odds any known strain. Unfortunately, as yet we have not a large variety of color in them; 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.

Giant Striped. Mahogany, striped with yellow and gold.

Giant Blue. Bright ultramarine blue, with purple eye.

Giant Golden. Fine golden yellow, with rich brown blotches.

Giant Black. Magnificent velvety black.

Giant White. Pure white, with three dark blue blotches.

Giant Purple. Royal purple, with an elegant velvety lustre.

Giant Violet and Gold. A perfectly gorgeous variety.

Giant Margined. Purple, shaded heliotrope, flower edged white.

Giant (Trimardeau) Pansy. Mixed colors. Per pkt. 150 seeds, 25c.

PHLOX DRUMMONDI, LARGE FLOWERING.

Novel Double Phloxes.

The large double flowers are produced in profusion, and last much longer in bloom than the single, and are therefore valuable for cutting and bouquet making. *Per Pkt.*

Phlox, Double White..... 25
— Double Rich Blood-Red..... 25

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

* POLYANTHUS. *

Early blooming dwarf plant for spring flower beds or pot culture; the large round flowers are borne on stalks 8 in. tall. Colors yellow, maroon, crimson, etc.; beautifully veined, laced or blotched. *HP.* 1 ft. *Per Pkt.*

Polyanthus, Gold Lace Mixed..... 25 | — Fine Mixed Varieties..... 10
— Duplex Mixed. (Hose in Hose.) Very pretty; one flower sitting in another. 25

PORTULACA.

Brilliant dwarf annuals, luxuriating in warm situations, and blooming profusely from early summer to autumn. *HA.* ½ ft.

PORTULACA, DOUBLE LARGE FLOWERING.

Phlox Drummondii.

For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large brilliant flowers of numberless hues throughout the summer. *HA.* 1½ ft. high. *Per Pkt.*
Phlox Drummondii, Mixed Colors. (50 cts. per oz.)..... 5

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 (p. oz., \$1) 10	— Yellow..... 10

Imported collection of 12 separate varieties, 75 cts.; 6 separate varieties, 50 cts.

NEW DWARF PHLOX.

These form little round compact bushes about six inches high, thickly studded with large flowers; splendid for margins, low beds and pot culture.

Dwarf White..... 10	— Red, Striped White..... 15	— Violet and Blue..... 15
— Scarlet..... 15	— Rose..... 15	— Blood Red..... 10
— Mixed. Many sorts..... 10		

— Delicata. Of the most charming color imaginable, and has to be seen to be fully appreciated. A delicate yellowish rose, with carmine rose centre. 25

Imported collection of 6 separate varieties, 50 cts.

NEW PHLOX, "BALL OF STARS." (*See Novelties.*)..... 25

PHLOX,
STAR OF QUEDLINBURG.

PHLOX, "Star of Quedlinburg."

An extraordinary novelty of high merit. 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. Mixed colors. *Per pkt.*, 25

DOUBLE WHITE PHLOX.

Per Pkt.

Pure White..... 5
Scarlet..... 5
Purple..... 5

Straw Striped Orange..... 5	Salmon..... 5
Red Striped White..... 5	Yellow Striped Red..... 5
Pink..... 5	Single Mixed. (Per oz., 50c.) 5

Double Varieties (Large Flowering).

These make perfectly gorgeous masses of color, the flowers of double sorts, of course, remaining open all day. (*See cut.*)

Yellow Striped Crimson..... 15	Scarlet..... 15
White..... 15	Sulphur..... 15
Rose Striped Carmine..... 15	Rose..... 15
Large Flowering Double Mixed..... 10	

Imported collection of 6 separate sorts, 75 cts.

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
— Fire Dragon. New, extremely showy and very free flowering, producing flowers four inches across, of brilliant deep scarlet, with black spots margined white. 2 to 2½ ft.	25
— Single Mixed. Annual sorts.....	5

ICELAND POPPIES.

(*Papaver Nudicaule Varieties.*)

The fragrant elegant crushed-satin-like flowers are produced in never-ceasing succession from the beginning of June to October. Not only are they 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. (See cut.) Per Pkt.

Iceland Poppy, Bright Yellow.....	25
— Vivid Scarlet.....	25
— Pure White.....	25
— Gold Tinged Crimson.....	25
— Mixed Colors.....	15
Collection of 4 Iceland Poppies	75

ICELAND POPPIES.

DOUBLE FRENCH POPPY.

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.

<i>Pyrethrum Aureum</i> . Bright yellow foliage. 1 ft. (Per oz., \$1.25)	10
— <i>Laciniatus</i> . Yellow foliage, finely fringed. 1 ft.....	10
— <i>Selaginoides</i> . Handsome fern-like foliage, ½ ft.....	15

Varieties Grown for Insect Powders.

<i>Pyrethrum Roseum</i> . (Persian Insect Powder Plant.) When grown in California it is called "Buhach." Rose color. HHP. 1 to 2 ft. (Per oz., \$1.00).....	10
— <i>Cinerariafolium</i> . (Dalmatian Insect Powder Plant.) HHP. 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 a long time. HHP.

<i>Pyrethrum</i> , Single Large Flowering Hybrids Mixed.....	10
— Double Large Flowering Hybrids Mixed.....	25

CARNATION FLOWERED POPPY, FAIRY BLUSH.

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.

Fairy Blush. New; immense double fringed flowers; white tipped with rose. (See cut.)..	25
Brilliant Scarlet.....	5
Rose.....	5
Silver Gray.....	5
Pure White.....	5
Scarlet and Yellow.....	5
White Tipped Crimson.....	5
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 colored plate, page 85)..... 15 |

Poppy, Double French or Ranunculus Flowered Mixed. (See cut.)..... 5 |

— Peony Flowered Mixed.....	5
— White Striped Scarlet. (See Novelties).....	25
— Chamois Rose. Splendid new color; large size, perfect ball-shaped flowers.....	15

Imported collection of Double French Poppies in 6 separate varieties, 25 cts.

JAPANESE POMPONE POPPIES.

Small very double flowers, produced in remarkable profusion; many lovely colors in mixture..... 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.

New Hybrid Oriental. (See Novelties.)	25
Poppy Bracteatum. (Single.) 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. Flowers double and of many beautiful colors, white, scarlet, yellow, orange, etc. Mixed.	25

STRIPED SINGLE PRIMULA.

Per Pkt.

PRIMULA OBCONICA. (Ever-blooming Primrose.) Flowers pale lilac, almost white, borne in umbels on long stems; delicately fragrant; in pots it will flower continuously for the greater portion of the year; remarkable keeping properties after being cut, remaining fresh in water from four to six weeks. The plant is dwarf and compact, growing from six to twelve inches in height. For the decoration of the parlor or conservatory it is unequalled. (See cut.).....25
(See also *Auricula*, *Cowslip* and *Polyanthus*.)

RICINUS.

Known as "Castor Oil Plant" and "Palma-Christi;" 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. Per Pkt.

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.** (The Beautiful Cambodian Palma-Christi.) 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.....25

Imported collection of 8 separate sorts, 30 cts.

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. HHP. 3 ft.

Salvia Patens. Bright blue. 25 | — **Splendens.** (Scarlet Sage.) Scarlet. 10
 — **Coccinea Lactea.** Pure milk white. Height, 2 ft. HHA.....15

DOUBLE RED PRIMULA.

each other and beautifully fringed. (See cut.)

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 2 1/4 inches across, with large yellow eye. (See cut.).....75	
Mixed Large Flowering Fringed. Including many sorts.....50	
Fern Leaved. Mixed colors, foliage of this class long and fern-like. 50	
Fine Single Mixed Colors. Old type (not fringed).....25	

Double Large Flowering Fringed Varieties.

The flowers are not as large as the single sorts, but are double, and remarkably handsome, and remain on the plant a long time.

Double Red. (See cut.).....75	Double White75
Double Striped75	Double Mixed Sorts. (See cut.) 75
Cristata Nana. A dwarf growing semi-double variety, smaller snow white flowers, with yellow centre; very profuse.....50	

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.

ENGLISH PRIMROSE, Primula Vulgaris. The old favorite common yellow Primrose of England and celebrated as "Beaconsfield's Flower," now so popular and fashionable in England.....10

SIBERIAN PRIMROSE, Primula Cortusoides. 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

JAPANESE PRIMROSE, Primula Japonica. Mixed. 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

Primula Rosea. (See *Novelties*.).....25

PRIMULA OBCONICA.

RICINUS CAMBOGIENSIS.

Henderson's Garden Gems.

See
Add
Butt
Cros
Pri
Pa

IPOMOEA LIMBATA.
SEE PAGE 76. PER PACKET, 10c.

POPPY SHIRLEY—MIXED COLORS.
SEE PAGE 61. PER PACKET, 25c.

SALPIGLOSSIS—Large Flowering—Mxd.
SEE PAGE 66. PER PACKET, 10c.

CALLIOPSIS—GOLDEN WAVE.
SEE PAGE 67. PER PACKET, 10c.

POPPY MIKADO.
SEE PAGE 83. PER PACKET, 15c.

HENDERSON'S LARGE FLOWERING
DOUBLE PETUNIA
SEE PAGE 80.
PER PKT
25c

DIANTHUS LACINIATUS—STRIATA FL. PL.
SEE PAGE 73. PER PACKET, 10c.

HENDERSON'S GARDEN GEMS.

WE OFFER SEEDS OF THE
BEAUTIFUL VARIETIES
WHICH ARE HERE ILLUSTRATED.
THEY ARE SORTS OF
EXQUISITE BEAUTY,
WILL GIVE A GRAND DISPLAY OF
BLOOM
THROUGHOUT THE SUMMER.
CERTAIN TO FLOWER THE FIRST
SEASON.

PHLOX DRUMMONDII—Large Flowering—Mixed.
SEE PAGE 82. PER PACKET, 10c.

DATURA—DOUBLE GOLDEN.
SEE PAGE 56. PER PACKET, 15c.

HENDERSON'S GARDEN GEM

THESE ARE FULLY DESCRIBED UP
THEIR VARIOUS HEADINGS ON THE P.
REFERRED TO. THE
ENTIRE COLLECTION
OF
"HENDERSON'S
9 GARDEN GEM"
ONE PACKET EACH, AS SHOWN
ON THIS PLATE, FOR
\$1.00
(THEIR VALUE, IF ORDERED
\$1.30.

SALPIGLOSSIS, OR "PAINTED TUBE-TONGUE"

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.

HIA. 1½ ft.

Salpiglossis, Large Flowering Mixed. (See cut.)..... 10
Imported collection of 6 separate sorts, 50 cts.

SCABIOSA, Or "Sweet Scabious."

The "Mourning Bride" 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.

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, 30 cts.

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.

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	
Fl. Mixed. 10 weeks stock..... 5	

"CUT AND COME AGAIN" STOCK.

This grows about two feet high if sown early; it produces from spring to late in the fall pure white, beautifully shaped double flowers. It throws out numbers of side 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 pkt., 25c.

Biennial Stock.

Brompton, Finest Mixed. Large flowering double..... 10
Emperor or Perpetual Mixed. Large flowering double, frequently lasts for several years if protected..... 10

SALPIGLOSSIS, LARGE FLOWERING.

Henderson's New Colossal Stocks.

This magnificent new strain is without a rival. The spikes of bloom and individual flowers are enormous in size and very double, the colors charming, and the fragrance delicious. They remain in flower nearly twice as long as ordinary Ten Weeks Stock. Per Pkt.
El Dorado. Bright sulph. yellow. 5
Rosy Morn. Delicate rosy flesh 2
Mount Blanc Purest white.... 20
Grand Rouge. Brilliant crimson. 20
Aurora. Shining copper red... 20
Blue Bells. Pretty shade of blue 20
Collection of above 6 varieties. \$1.00
Mixed Varieties..... 20

Intermediate, or Autumn Stock. Mixed. Including many sorts.. 10

Imported Collections of Stocks.

Brompton, or Winter Flowering. In 12 separate colors..... 75
Dwarf German Ten Weeks. In 12 separate colors... 75
In 6 separate colors..... 50
Dwarf Pyramidal. In 6 separate colors..... 50
Empercr. In 6 separate colors.. 50
Intermediate. 6 separate colors. 50

SUNFLOWER.

Stately growing plants with immense golden yellow flowers; the single varieties are well known, but the double sorts are not; they are magnificent.

Single Varieties.

Sunflower, New Primrose Colored Silver Leaved. (See Novelties.) 25
— Macrophyllus Giganteus. A branching pyramidal-shaped plant; yellow; 6 ft..... 5
— Miniature Sunflower. Of dwarf branching habit, bearing many little flowers only 2 ins. across; orange with black centre; 3 ft..... 5
— "Oscar Wilde." Orange and black, only 3 to 6 ins. across... 5
— Silver Leaved. 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

SUNFLOWER.—Double Sorts.

Sunflower, Californicus fl. pl. Large double orange flowers; 5 ft..... 5
— Globosus Fistulosus. Perfectly round flowers; very double; saffron; 6 ft. (See cut.) 5
— Oculatus Viridis. Double yellow flowers, with green centre. 4 ft..... 5
— Peruvianus. Double orange flowers, striped with black..... 10

STOCK, HENDERSON'S "CUT AND COME AGAIN."

SUNFLOWER, GLOBOSUS FISTULOSUS.

❧ SWEET PEAS. ❧

No praise is needed for these lovely, deliciously perfumed climbers further than to state that they have become unusually popular. They are now "the fashionable flower," and little bunches of them worn, carried or in vases are seen continually. *H.A.* climbers. 4 to 6 ft. (See cut.) *Per Pkt.*

- Scarlet Invincible.** Brilliant scarlet..... 5
Adonis. Carmine rose..... 5
Butterfly. White, laced blue... 5
Crown Princess. Blush..... 5
Princess Beatrice. Rose..... 5
Painted Lady. Rose and white... 5
Indigo King. Rich indigo blue...10
White...... 5
Black Purple...... 5
Red Striped...... 5
Vesuvius. Violet and rose; spotted.10
Fairy Queen...... 5
Invincible Carmine. Glowing carmine.....10
Mixed. All colors. *Per lb.*, 75c.; *per oz.*, 15 cts..... 5
Imported collection of 12 separate varieties, 50 cts.; 6 varieties, 25 cts.

Eckford's New Large Flowering Sweet Peas. (See Novelties, page 58, and Colored Illustration on page 59.)

THRIDAX BICOLOR ROSEA.

The Mexican Miniature Pink Sunflower.

A pretty annual branching plant from Mexico, growing about 1½ feet high, and producing freely, even when very small, pretty pink Sunflower-like blossoms 1½ inches across, with large yellow centres. It continues in bloom until destroyed by frost. The half open buds are of a deep crimson.....15c.

THUNBERGIA.

Slender rapid growing climbers, for trailing over trellises, fences, etc., with large beautiful flowers borne in profusion. *HHA.* 4 ft.

- Alata.** Buff; white eye..... 5
Bakerii. Pure white; no eye..... 5
Alba. White; black eye..... 5
Aurantiaca. Orange, dark eye..... 5
Mixed. All sorts..... 5

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. *Per Pkt.*

- Torenia Fournieri.** Porcelain blue and rich violet; throat bright yellow. 6 ins. 15
Bailloni. Deep yellow and maroon 15
"White Wings." This lovely new variety is unusually attractive, being pure white, with a slight flush of rose at the throat. (See cut.)..... 25

TORENIA, "WHITE WINGS."

SWEET PEAS.

SWEET WILLIAM, HENDERSON'S DOUBLE PERFECTION.

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. *Per Pkt.***
Sweet William, Scarlet. Fine..... 5
Pure White...... 5
Velvety Red Maroon...... 5
Henderson's Perfection Mixed.
Large flowering. Extra choice strain. 15
Mixed...... 5
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. (See cut.)..... 25

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.)
Light Blue...... 10 | **White.**..... 10
Purple...... 10 | **Mixed.**..... 10
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

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.

- Blood Red.**..... 10 | **Rich Purple.**..... 10
Golden Yellow...... 10 | **Brown and Bronze** 10
Finest Mixed, including many sorts.... 5

Double Large Flowering Varieties.

- Canary Yellow.**..... 15 | **Dark Brown.**..... 15
Purple...... 15 | **Striped.**..... 15
Mixed...... 10
Imported collection of 6 separate sorts, 50c.

VISCARIA.

Handsome annuals, making a splendid show when massed; large round single flowers of white, scarlet, blue, flesh, margined and marked with various colors.

- Viscaria, Finest Mixed Colors.** *H.A.* 1 ft..... 5
New Dwarf Large Flowering Mixed. 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. Per Pkt.

Hybrida, Pure White.....15	Hybrida, Yellow Foliage.
— Striped Varieties.....15	Mixed colors. (See Novelties)25
— Bright Scarlet.....15	— Finest Mixed Varieties,
— Blue Varieties.....15	from P. Henderson's celebrated named collection...15
Fine Mixed.....10	

Henderson's Mammoth Verbenas.

Altogether distinct and surprisingly beautiful. 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. They bloom freely, are vigorous in growth, and contain 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. (See cut.) Mixed colors, 25c.

TOM THUMB VERBENAS.

Dwarf and compact, not exceeding 6 inches in height; the branches are only one-half the length of the old varieties, and form almost circular bushes about 2 feet in diameter. Flowers are large and well formed, of various beautiful colors. Mixed, 25 cts.

* Water Lilies. *

The gorgeous tropical water lilies displayed in our public park ponds and fountain basins have proved how easily they can be grown. Tender sorts can be grown in tubs sunk in ponds, etc., and in fall taken up and kept in cellar or under the bench in the green-house.

Hardy Varieties.

Nymphaea Alba. Our native white lily.	Per Pkt. 25
Nuphar Lutea. Native yellow lily.....15	
Nelumbium Luteum. Yellow. (See cut.).....25	

Tender Varieties.

— Speciosum. Rose color.....25	
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	
Nymphaea Zanzibariensis. (The Royal Purple Water Lily.) The finest of all blue water lilies; very fragrant. 12 in. across.50	
— Lotus ("Egyptian Lotus"). Large white flowers, suffused with red.....50	
— Amazonum. Sulphur white, yellowish green and purple. 3 to 4 inches across, and very fragrant.....50

WATER LILY (NELUMBUM)

HENDERSON'S MAMMOTH VERBENA.

* 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.

New Mammoth Flowering Zinnias.

(Zinnia grandiflora plenissima, fl. pl.)

The plant forms a handsome bush, 3 feet in height, and the Mammoth, perfectly formed double flowers, measuring 5 to 6 inches across, of most intense and brilliant colors, comprising new and rich hues. Mixed colors, 15c.

Henderson's Zebra Zinnias.

The flowers of this selection are perfect in shape, of all colors and shades, such as orange, crimson, pink, yellow, violet, rose, scarlet, white, etc., three-fourths of which are beautifully striped, spotted and blotched with different shades, hardly any two plants producing flowers alike; they are very beautiful and should be grown in every flower garden. Plant symmetrical and compact, and about 2 feet high. (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. Per Pkt.

Zinnias, Tom Thumb, Double Mixed.....25

ZINNIAS. Various Types.

Double Mixed. Old type, tall.....	5
Double Pomponé. Long cone-shaped flowers; pretty.10	
Haageana fl. pl. Trailing variety, double orange flowers.10

ABOBRA.

FLOWER SEEDS.

Abridged List of Standard Varieties

TOO WELL KNOWN TO NEED EXTENDED DESCRIPTIONS.

(For Varieties not here mentioned, see General List, commencing page 62, and Novelty List, commencing page 54.)

LATHYRUS.

Per Pkt.

- Abobra Viridiflora.** Pretty hardy perennial climber, glossy green foliage, bright scarlet fruits, 10 ft. 10
- Acacia, Finest Mixed.** Handsome half hardy perennial green-house shrubs, with large clusters of bright flowers, 3 to 6 ft. 10
- Achimenes, Finest Mixed.** Splendid green-house plants, showy flowers of white, crimson, blue, etc., tender perennial, 1 ft. 50
- Acanthus Latifolius.** Stately hardy perennial foliage plants, suitable for lawn specimens, 3 to 4 ft. 10
- Aconitum Napellus.** "Monk's Hood," handsome hardy perennial plants, with dark blue flowers, 3 to 4 ft. 5
- Ethiöema Grandiflora.** Elegant little plants for sunny beds, rose colored flowers, hardy perennial, 1½ ft. 15
- Anchusa Italica.** Large growing hardy perennial plants, with blue flowers, grows in shade, 2 ft. 5
- Anemone Coronaria, Mixed.** "Wind flowers," hardy perennial plants, with large showy flowers in spring, 1 ft. 10
- Angelonia Grandiflora.** A beautiful dwarf, tender perennial, adapted for pot culture in the house, or for open ground during summer, flowers purple and very fragrant, 1 ft. 15
- Aralia Sieboldi.** Beautiful foliage plant for pots or lawn, tropical appearance, half hardy perennial, 4 ft. 15
- Arabis Alpina.** Dwarf hardy perennial plants, remarkably early flowers of pure white, ½ ft. 10
- Argemone Grandiflora.** Handsome large plants, with single Poppy-like flowers, white, half hardy perennial, 2 ft. 5
- **Mexicana.** "Devil's Fig," large plants, with single Poppy-like flowers, yellow, hardy annual, 2 ft. 5
- Aristolochia Sipho.** "Dutchman's Pipe Vine," one of our best hardy perennial climbers, flowers brownish yellow, 30 ft. 10
- Armeria Maritima.** Dwarf hardy perennial plants, fine for edgings, rose colored flowers, ½ ft. 10
- Asparagus Broussoneti.** Beautiful hardy perennial climber, with feathery foliage and scarlet berries, 10 ft. 10
- Azalea Indica, Mixed.** Showy winter flowering shrubs for green-house, large beautiful flowers, tender perennial, 1 to 4 ft. 25
- Baptisia Australis.** Hardy perennial large plants, long spikes of bright blue pea-shaped flowers, 4 to 5 ft. 5
- Beta, Scarlet Leaved.** Gorgeous scarlet leaved beets, showy for masses, etc., tender biennial, 1 ft. 5
- **Yellow Leaved.** Gorgeous yellow leaved beets, showy for masses, etc., tender biennial, 1 ft. 5
- **Dracena Leaved.** Dark maroon foliage, resembling a Dracena Terminalis, tender biennial, 1 ft. 10
- Bocconia Japonica.** Stately foliage plants for lawns or pots, large beautiful leaves, hardy perennial, 5 to 8 ft. 10
- Cactus, Mixed.** Singular and beautiful tender perennials, adapted for pot culture in the window or green-house, the flowers of some are very beautiful and the foliage of others very curious and interesting, mixed varieties. 25
- Calycanthus Floridus.** "Strawberry Scented Shrub," a favorite hardy perennial shrub, fragrant brown flowers, 4 to 6 ft. 10
- Castilleja Indivisa.** Ornamental plant, dense mass of scarlet leaves at ends of branches, half hardy perennial, 1 ft. 15
- Catchfly, Mixed.** Free flowering hardy annuals, with clusters of pink, white and red flowers, 1½ ft. 5
- Cedronella Cana.** Evergreen half hardy perennial plant, long spikes of crimson fragrant flowers, 2 to 3 ft. 10
- Cerastium Tomentosum.** "Snow in Summer," silver leaved hardy perennial trailing plants, large white flowers, ½ ft. 10
- Cerintho Aspera.** "Honey Wort," showy flowering hardy annuals, frequented by bees, yellow, 1 ft. 5
- **Gymandra.** "Honey Wort," showy flowering hardy annuals, frequented by bees, yellow and brown, 1 ft. 5
- Clintonia, Mixed.** Pretty trailer, for vases, baskets, etc., flowers blue, white, violet, etc., hardy annual, ½ ft. 10
- Crucianella Stylosa.** A very pretty hardy perennial, flowers pink, continuing a long time in bloom, 1 ft. 5
- Dracena Indivisa.** A foliage plant, extensively used for the centres of vases and as specimen plants for pot culture; long, thin, arching leaves; tender perennial, 2 to 3 ft. 10
- **Terminalis.** Handsome foliage plant for green-house or window culture, rich maroon and red leaves, tender perennial, 2 to 3 ft. 25
- **Fragrans.** Handsome foliage plant for centres of vases, or as specimens for pot culture, wide arching green leaves, tender perennial, 2 to 3 ft. 25
- Echeveria Metallica.** Large pinkish fleshy leaves, for ribboning or pots, flowers yellow and red, tender perennial, 1 ft. 25
- **Secunda Glauc.** Small bluish white fleshy leaved plant for ribboning and pots, flowers yellow and red, tender perennial, ½ ft. 25
- Erica, Fine Mixed.** Beautiful green-house shrubs, bearing quantities of pendent flowers, half hardy perennial, 2 ft. 15
- Exacum Affine.** Compact plant for winter or garden, with fragrant violet and yellow flowers, half hardy biennial, ½ ft. 10
- French Honeysuckle.** Elegant hardy annuals, with large clusters of red and white flowers, 3 ft. 5
- Fuchsia, Mixed.** Choice double and single sorts of this elegant pot plant, tender perennial, 1 to 2 ft. 15
- Gentiana Acaulis.** Dwarf hardy perennial plant, with large exquisite blue and yellow flowers, ½ ft. 15

Per Pkt.

- Glaucium Luteum.** Silvery leaved hardy perennial plants, with yellow flowers, effective for ribboning, 1 to 2 ft. 5
- Grevillea Robusta.** A very graceful fern-like foliage plant, for pots or tropical lawn effects, tender perennial, 3 to 5 ft. 10
- Gypsophila Muralis.** Free blooming hardy annual, with graceful bunches of pink flowers, ½ ft. 5
- **Paniculata.** Hardy perennial variety, with white flowers, fine Everlasting, 2 to 3 ft. 5
- Hedysarum Gyran.** "Telegraph Plant," very novel, leaves frequently move without cause, tender perennial, 1 ft. 25
- 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, half hardy perennial, 4 to 6 ft. 10
- Ice Plant.** Pretty summer trailer, for vases and rock-work, leaves covered with ice-like drops, half hardy annual, ½ ft. 5
- Incarvillea Olgea.** Handsome plant, large rose colored flowers in clusters, half hardy perennial, 3 to 4 ft. 10
- Ipomopsis, Mixed.** "Standing Cypress," brilliant flowers of orange and scarlet in profusion, half hardy biennial, 3 to 6 ft. 5
- Impatiens Sultana.** Beautiful pot plant, or for summer bedding, waxy rose flowers, tender perennial, 1 ft. 15
- Jacobaea, Double Mixed.** Summer blooming hardy annuals, showy flowers of white, rose, violet, etc., 1 ft. 5
- **Dwarf, Double Mixed.** Summer blooming hardy annuals, showy flowers of white, rose, violet, etc., ½ ft. 5
- **Copper Colored Pompon.** Large double flowers of lustrous copper color; plant very compact, blooming for a long period, rendering it valuable for dwarf beds and edgings. 10
- Kochia Scoparia.** "Belvidere," graceful summer blooming hardy annual, flowers yellow, 3 ft. 5
- Kaulfussia, Fine Mixed.** Pretty dwarf hardy annuals for beds, flowers white, violet, rose, etc., ½ ft. 5
- Kenilworth Ivy.** Fine hardy perennial little climber, clings to old walls, trees, etc., 3 to 6 ft. 10
- Lantana, Fine Mixed.** Constant blooming plants for pots or garden, clusters of orange, white, pink, etc., tender perennial, 1 to 3 ft. 10
- Lapageria Rosea.** Magnificent green-house climber, large bell-shaped flowers of rose color, tender perennial, 6 ft. 50
- Lathyrus Latifolius.** Hardy perennial, "Purple Sweet Pea," climber, 5 ft. 5
- **Albus.** Hardy perennial, "White Sweet Pea," climber, 5 ft. 10
- **Mixed.** "Everlasting Sweet Pea," hardy perennial climber, 5 ft. 5
- Lavatera Trimestris, Mixed.** Tall hardy annuals, producing freely large single flowers of rose, white, etc., 3 ft. 5
- **Arborea Variegata.** Handsomely variegated foliage of gray, green and white, half hardy biennial, 6 ft. 10
- Lavender.** Hardy perennial plants, with long spikes of fragrant blue flowers, 1 to 2 ft. 5
- Leptosiphon, Finest Mixed.** Yellow, white, rose, etc., handsome dwarf annuals for masses and edgings, making charming sheets of color, hardy annuals, 8 inches. 5
- Limnantes Douglasii.** Showy trailing hardy annual for rockeries, fragrant flowers of white and yellow, ¾ ft. 5
- Linum Coccineum.** Showy hardy annual for flower beds, scarlet flowers, 1 inch across, borne in profusion, 1½ ft. 5
- **Flavum.** Half hardy perennial, large yellow flowers, 1½ ft. 5
- Loasa, Mixed.** Handsome half hardy annual climbers, curious flowers of orange and scarlet, 6 ft. 10
- Lupinus, Mixed Annual Varieties.** 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., 1 to 3 ft. 5
- **Mixed Perennial Varieties.** Hardy sorts. 5
- Malope Grandiflora, Mixed.** Robust hardy annuals, large saucer-shaped flowers of crimson, rose and white, 4 to 5 ft. 5
- Martynia Fragrans.** Large growing hardy annual, spikes of fragrant purple flowers, streaked yellow, 3 to 4 ft. 5
- Mathiola Bicornis.** "Evening Scented Stock," pink and lilac flowers, very fragrant at night, half hardy biennial, 1 to 2 ft. 5
- Matricaria Alba Plena.** "Double White Feverfew," large double white flowers, fine for cutting, hardy annual, 1 to 2 ft. 10
- **Crispa Alba Plena.** "Double White Feverfew," with beautifully curled foliage, hardy annual, 1 to 2 ft. 10
- Molucella Levis.** "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
- 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

ABRIDGED LIST OF FLOWER SEEDS.—Continued.

	Per Pkt.		Per Pkt.
Nolana, Mixed. Trailing hardy annual with morning-glory-like flowers of blue, white and yellow, $\frac{1}{2}$ ft.	5	Tunica Saxifraga. Low growing hardy perennial, rosy lilac flowers in profusion, fine for edgings, $\frac{1}{2}$ ft.	10
Nycteria, Mixed. Dwarf half hardy annuals, large star-shaped flowers of white, pink and yellow, $\frac{1}{2}$ ft.	5	Valerian, Mixed. Showy hardy perennial, large heads of bright rose, scarlet and white flowers, $1\frac{1}{2}$ ft.	5
Oenothera, Fine Mixed. "Evening Primroses," or "Sun Drops," large showy flowers of various colors, hardy annual, 1 to 2 ft.	5	Veronica, Mixed. Low growing hardy annuals, with blue, violet and white flowers in profusion, $\frac{1}{2}$ ft.	10
Palava Flexuosa. Beautiful half hardy annuals for beds or pots, large pink flowers, black throat, $1\frac{1}{2}$ ft.	5	Vinca. Handsome bushy plants producing freely round single flowers, $1\frac{1}{2}$ inches across, suitable for pot culture and sunny flower beds, tender perennial, $1\frac{1}{2}$ ft.	10
Pæony, Double Mixed. Grand hardy perennial plants, with large double flowers of various colors, 2 ft.	10	— Rosea. Rose, crimson eye.	10
Pardanthus Sinensis. "Blackberry Lily," small lily-like flowers, orange, spotted purple, hardy perennial, 2 ft.	10	— Alba. White, crimson eye.	10
Pandanus Utilis. Long arching leaved plant, grand for centres of vases, pots, etc., tender perennial, 2 to 4 ft.	10	— Pura. Pure white, no eye.	10
Pentstemon, Fine Mixed. Hardy perennial plants, bearing in profusion large flowers of all colors and markings, 2 ft.	25	Mixed Colors.	10
— Large Flowering, Mixed. An extra fine strain, with extra large flowers of lovely colors, hardy perennial, 2 ft.	10	Virginian Stock, Mixed. Extremely pretty dwarf hardy annuals, flowers of blue, white, violet, etc., borne freely, $\frac{1}{2}$ ft.	5
Perilla Nankinensis. Black foliage plant, much used in ribbon planting or massing. Tender annual, $1\frac{1}{2}$ ft.	25	Whitlavia, Mixed. Free blooming hardy annuals, large bell-shaped flowers of blue, white, violet, etc., 1 ft.	5
— Laciniata. Edges of the leaves are finely cut or fringed.	5	Wigandia Caracasana. Noble foliage plant for lawn, leaves 3 feet long by $1\frac{1}{2}$ wide, richly veined, tender annual, 7 ft.	10
— 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, $1\frac{1}{2}$ ft.	5	Wistaria Sinensis. A favorite hardy perennial climber, magnificent clusters of blue flowers, 50 to 75 ft.	10
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. Half hardy perennial, 20 ft.	10	— Alba. A favorite hardy perennial climber, magnificent clusters of white flowers, 50 to 75 feet.	10
Potentilla, Fine Mixed. Hardy perennial plant with large single scarlet, orange and yellow flowers, 1 to 2 ft.	10	Xeranthemum Annum, Mixed. Showy hardy annuals, large various colored flowers, splendid for winter bouquets, 2 ft.	5
— Double Mixed. Magnificent large double flowers in profusion, hardy perennial, 1 to 2 ft.	5	— Superbissima, Mixed. A new variety of dwarf habit and very double flowers of various colors, hardy annual, $1\frac{1}{2}$ ft.	10
Rhodanthe Maculata, Mixed. Elegant half hardy annual, and an excellent everlasting, of various colors, 1 ft.	25	Yucca Filamentosa. Showy hardy perennial, with tall spike of white, large bell-shaped flowers, 4 to 6 ft.	10
Rose, Hardy, Double Mixed. Seed saved from the finest hybrids, flowers the second year, hardy perennial, 3 to 6 ft.	10		
— Monthly Tea, Double Mixed. Seed saved from the finest hybrids, half hardy perennial, 2 to 4 ft.	15	ORNAMENTAL GRASSES.	
Rocket, Mixed. "Damask or Dame's Violet," "Sweet Rocket," fragrant purple and white flowers, hardy perennial, 2 to 3 ft.	15	Imported Collection of 25 Varieties of Ornamental Grasses, \$1.50.	
Sabbatia Campestris. Pretty half hardy annuals, large saucer-shaped flowers of rosy carmine and yellow, $\frac{1}{2}$ ft.	15	Agrostis Nebulosa. Light, feathery and graceful, fine for winter bouquets, hardy annual, 1 ft.	5
Sanvitalia Procumbens fl. pl. Beautiful trailing half hardy annual, large double golden flowers in profusion, $\frac{1}{2}$ ft.	5	Arundo Donax Variegata. "Great Reed." Splendid bamboo, with green and white leaves, for lawns, half hardy perennial, 6 to 12 feet.	10
Saponaria, Fine Mixed. Compact growing hardy annuals, with a profusion of flowers of rose, purple, white, etc., $\frac{1}{2}$ ft.	10	Avena Sterilis. "Animated Oats." Large drooping graceful heads, for winter bouquets, hardy annual, 2 ft.	5
Schizanthus, Fine Mixed. Called "Butterfly Flower," from the resemblance of its richly colored blooms, half hardy annual, $\frac{1}{2}$ ft.	5	Briza Maxima. "Large Quaking Grass." Large pendent seeds, fine for clumps or bouquets, hardy annual, 1 ft.	5
Sedum Cœruleum. A charming trailing hardy annual, with bright blue flowers, fine for rock-work, $\frac{1}{2}$ ft.	10	— Gracilis. "Small Quaking Grass." Smaller graceful variety of above, hardy annual, 1 ft.	5
Senecio Speciosus. Showy half hardy perennial for either garden or pots, large reddish purple flowers, 1 ft.	5	Bromus Brizeiformis. Splendid variety, with drooping spikes of pendent seeds, hardy annual, 1 ft.	5
Silene Compacta, Mixed. Dwarf bushy hardy annuals, bearing bright colored flowers in profusion, $\frac{1}{2}$ ft.	10	Chrysurus Aureus. Feathery golden spikes, beautiful for bouquets in winter, hardy annual, $\frac{1}{2}$ ft.	5
— Double Mixed. Dwarf bushy hardy annuals, bearing bright very double flowers in profusion, $\frac{1}{2}$ ft.	5	Coix Lachrymæ. "Job's Tears." Bear large black seeds, frequently strung for babies, hardy annual, 2 feet.	5
Smilax. Charming climber for house foliage, extensively used for decorations, tender perennial, 6 ft.	10	Eragrostis Elegans. "Love Grass." Elegant and feathery foliage, hardy annual, 1 ft.	5
Solanum Capsicastrum. "Jernusalem Cherry," small tree-like half hardy annual, bearing numerous red fruits, $1\frac{1}{2}$ ft.	10	Erianthus Ravennæ. "South American Pampas." Handsome hardy perennial, tall specimens for lawns, 10 ft.	10
— Hendersoni. A dwarfier variety of above, with larger cone-shaped scarlet fruits, half hardy annual, $1\frac{1}{2}$ ft.	5	Eulalia Zebrina. "Zebra Grass." Forms elegant clumps, leaves striped across, hardy perennial, 7 ft.	10
— Warszewiczii. Rapid growing, majestic foliage, half hardy annual, for tropical lawn effects, or pots, 6 to 8 ft.	10	Gymnothrix Latifolia. Forms handsome bamboo-like clumps, effective on lawns, half hardy perennial, 10 ft.	10
Statice Suworowi. Beautiful hardy annual, with long branching spikes of crimson-lilac flowers, $1\frac{1}{2}$ ft.	5	Gynerium Argenteum. "True Pampas Grass." Makes fine clumps for lawns, large silvery plumes, half hardy perennial, 6 to 10 ft.	10
Sweet Sultan. Effective hardy annuals for garden, fragrant flowers of purple, white and yellow, $1\frac{1}{2}$ ft.	10	Lagurus Ovatus. "Hare's Tail Grass." Woolly, cone-shaped heads, fine for winter bouquets, hardy annual, 1 ft.	5
Tagetes Signata Pumila. Charming compact half hardy annuals, studded with yellow maroon striped flowers, 1 ft.	5	Panicum Sulcatum. Long, graceful, feathery spikes, hardy annual, 3 ft.	5
Trifolium Suaveolens. "Sweet Scented Clover," deliciously fragrant flowers, great favorite, hardy perennial, $\frac{1}{2}$ ft.	10	Stipa Pennata. "Feather Grass." Delicate, long silvery feathers, fine for winter bouquets, hardy perennial, 2 ft.	10
Tritoma Uvaria. "Red Hot Poker," splendid hardy perennial plants, with tall spikes of orange and red, 4 ft.	5	Tricholena Rosea. Pretty rose colored grass, hardy annual, 1 ft.	10
		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.	10
		Zea Gracillima Pumila Zebrina. The stripes of white run across the leaves instead of lengthwise, making it very novel; height about 3 feet.	10
		Zea Japonica Variegata. A dwarf growing Japan Corn, with beautiful green foliage striped with white, tender annual, 3 ft.	5

COLLECTIONS OF FLOWER SEEDS.

Invariably of our selection. No changes can be made. Those wishing to select themselves can do so from the catalogue at regular catalogue prices.

Annuals,	12 varieties, 50c.; 25 varieties, \$1.00; 50 varieties, \$2.00; 100 varieties, \$4.00.
Biennials and Perennials, 12 "	50c.; 20 " 1.00; 50 " 2.00; 100 " 4.00.

THE NEW HENDERSON LAWN MOWER.

The Latest Improved, Easiest Running, and Handsomest Lawn Mower Made.

We believe we sell more Lawn Mowers than any other retailer in the United States, and thus being brought into direct contact with users of Lawn Mowers everywhere, has given us experience that has kept us abreast of the times in suggesting and adopting various improvements. The improvements made in the "**NEW HENDERSON**" LAWN MOWER this past season, add greatly to its strength and handsome appearance, so that it is now 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 that the "**Henderson**" ran *one-fourth* easier than the lightest of them, and *one-third* easier than most.

CUTS THE GRASS SMOOTHER.—Rapidly speeded so 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.—And does 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."

THE HANDSOMEST made, 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."—As a rule in this country it is proper to leave the cut grass on the ground to protect the roots from the sun, and act as a mulch or fertilizer. Yet it is sometimes

desirable to gather the grass, as on tennis courts, croquet grounds, etc. We now make all the "**Henderson**" Lawn Mowers so that a grass-gathering apparatus can be applied to them at any time.

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.			
10 in. Cut,	\$7.15.	List price,	\$13.00.	Grass Box, extra, \$1.75
12 "	8.25.	" "	15.00.	" " " 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. No charge for packing or shipping.

The "10 inch" is adapted only for small areas, such as courts and door yards; 12 and 14 inch for lawns of about $\frac{1}{8}$ acre; 16 and 18 inch for lawns of about $\frac{1}{4}$ acre; 20 inch for lawns over $\frac{1}{2}$ acre.

I find your mower a perfect gem and ahead of all others in every respect; it is as near perfect as can well be.—J. H. HAZEN, M.D., Amboy, Lee Co., Ill., June 13, 1889.

The "**Henderson** Lawn Mower" we bought of you in 1886 has given excellent satisfaction and is still in good condition.—HARRY HALE, of Hand, Kellogg & Hale, Elizabethtown, N. Y., Sept. 19th, 1889.

I am delighted with the "**Henderson** Lawn Mower"; it does the work perfectly; some of the grass was over eight inches high and very thick, but the mower easily laid it low.—M. G. FRASER, Garnerville, N. Y., May 29th, 1888.

We are well pleased with your lawn mower.—L. K. YOUNG & Co., Seed Merchants, Pueblo, Col., March 28th, 1888.

I use your **Henderson** Mower and find it just as you state in catalogue, desirable in every way. I have used several others for years, but I must say I prefer yours.—MRS. G. M. SMYTH, Brooklyn, June 1st, 1888.

I purchased one of your "**Henderson** Mowers" in spring of 1888. My neighbor is so well pleased with it, that if he can dispose of his he will take one of yours.—ALBERT FEHR, Agent American Express Co., Buffalo, N. Y., May 3d, 1889.

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 in. cut, \$71.50 (list price, \$110.00); 35 in., \$87.75 (list price, \$135.00); 40 in., \$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 singletree 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 per set of four. (List price, \$12.00.)

Grass Edging Knife.

Grass Hook.

Lawn Shears.

Grass Shears.

Weed Cutter.

Field Force Pump.

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	Price.	Fig.
Pruners, Gooseberry or Bush	\$1.50	
Pruners, Waters' tree , 4 ft., \$1.75; 6 ft. 2.00		163
" " 8 ft., \$2.25; 10 ft. 2.50		163
" " telegraph tree, operated by cord.....	1.75	157
" " extra knives for tree pruners..	25	
Pump, Field Force . Complete outfit (excepting barrel) for spraying trees. Throws stream 75 ft., or spray 50 ft. An extra hose keeps insecticides mixed... 12.00		145
Pump , Henderson portable hand force, with spray and stream tip, to work from bucket.....	5.00	114
Raphia , splendid tying material, per lb..	20	
Rakes, Steel Garden , 6 teeth.....	30	
" " 8 teeth, 35c.; 10 teeth 40		
" " 12 teeth.....	45	
" " 14 teeth, 55c.; 16 t'tb, 60		
" " short tooth; 10 teeth....	45	
" " 12 teeth, 50c.; 14 t'th 55		
" " 16 teeth.....	60	
" " Bow, best and most durable made, 11 teeth.....	55	109
" " 13 teeth, 60c.; 15 teeth..	65	109
" " Wooden, Hay , 3 bow, 12 teeth..	30	
" " Lawn , 22 teeth.....	40	
" " Gem Lawn , Steel wire, splendid.	60	111
" " Automatic Self-cleaning lawn rake , 22 teeth, 70c.; 26 teeth.....	85	
" " Daisy , for tearing off heads of daisies and dandelions in lawns..	3.25	110
Reels for Garden Lines , small, 85c.; large 1.00		
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	122
Rubber Sprinklers , for spraying flowers, etc.; Small, holds ½ pint, 65c.; Medium, holds ¾ pint, 80c.; Large, holds 1 pint.....	1.00	146
Sash, Hot Bed , 3x6 ft., unglazed, each... 1.25		
" " per dozen.....	13.00	
" " Glazed and Painted , each, \$2.75; dozen.....	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	149
No. 2. 1 coarse and 1 fine spray and 1 stream rose.....	3.75	150
No. 10. 1 coarse and 1 fine spray & 1 stream rose, with patent valves (elbow joint for sprinkling under the foliage, extra, \$1.00)	5.50	151
No. 11. Same as No. 10, without patent valves	4.75	151
Syringe, Eclipse . Throws a continuous stream or spray as desired. Price, with 4 ft. hose, \$6.00, or with elbow joint for sprinkling under the foliage.....	6.75	147
Cheap Syringe , the best made for the price, barrels 18 in. long by 1½ in. diameter, solid brass; 1 fine and 1 coarse spray and 1 stream rose furnished.....	2.00	
Tree Scraper , for removing old bark... 60		158
Thermometers, Tin, Japanned , bl'k, 7 in., 15c.; 8 in., 20c.; 10 in. 25		
" " 12 in.....	30	
" " Cylindrical , all glass, for hot beds, etc.....	75	
Thermometer, Seixes' Registering registers extremes of both heat and cold, 3.00		
Thermometer, Hot Bed and Mushroom Bed , 12 in.....	2.25	
Trowels, ordinary , 5 in., 10c.; 6 in..... 15		162
" " 7 in., 20c.; 8 in.....	25	162

	Price.	Fig.
Trowels, solid steel , 6 in., 45c.; 7 in.. \$0.55		162
" " 8 inch.....	65	162
" " Botanical	50	
Turfing Iron , for digging up sod.....	3.50	
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.... 85		
" " Snaths (or handle), pat. fasten'g 85		
" " Stone's English round Talacre 15		
" " Round Ohio, 10c.; Flat Ohio 10		
" " German, fine grit.....	20	
" " Rifles , triple emery coated... 10		
Scissors, Flower gathering , 5 in. 75c.; 6 in., \$1.25; 7 inch.....	1.50	130
" " Clauberg's flower & fruit picking 85		
" " Week's " " " 75		131
" " Grape Thinning , for thinning the bunch, 6 inch, \$1.00; 7 inch.. 1.25		132
" " Handy vine clipping	60	
" " Ladies' light pruning , 7 inch, 60		129
Shears, Pruning, solid steel , 7½ in. 1.00		127
" " 8½ in., 1.25; 9½ in... 1.50		127
" " Pruning, English , polished steel, 4 in., 75c.; 5 in., 90c.; 6 in., 7 inch, \$1.25; 8 inch.....	1.50	128
" " Pruning , malleable, with steel blade, 8 inch.....	75	
" " Hedge , imported (notch 25c. ext.) 8 inch blade, \$1.75; 9 inch 2.00		136
" " 10 inch.....	2.25	136
" " Clyde , curved blade, draw cut.....	3.00	135
" " Lopping , or branch pruning, imported, length, 22 in... 2.50		133
" " 28 in., 3.00; 38 in., 3.50; 48 in. 4.00		133
" " Draw cut , imported, cut smooth and easily, 22 inch, 2.75		134
" " 28 in., 3.50; 38 in., 4.25; 48 in. 5.50		134
" " Grass Edging , imported (with wheel 50c. extra), 8 in. blade, 2.25		140
" " 9 in., \$2.50; 10 in.....	2.75	140
" " Lawn , for trimming under bushes, fences, etc., with 2 wheels, 10 inch blades.....	4.00	142
" " Sheep or Grass , 7½ in. blade... 1.00		143
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 out docks and weeds. 75		161
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		
Stakes or Dahlia Poles . Round Green, Fancy Turned Tops, Painted White. 4 feet... each, 8c.; per doz., \$0.85; per 100, \$5.50		
5 " " 10c.; " 1.00; " 100, 7.00		
6 " " 12c.; " 1.25; " 100, 9.00		
Weed Cutter , with foot rest, for lawns, 60		144
Weeders , Excelsior.....	15	167
" " 3 cornered (fig. 165), 25c.; Noyes' 25		166
" " Hazeltine's, 25c. (fig. 169); Jennings' 15		170
Watering Pots , galvanized iron, 6 qt... 80		172
" " 8 qt., \$1.00; 10 qt..... 1.25		172
" " 12 qt., \$1.50; 16 qt..... 1.75		172
" " French , 6 qt., 1.25; 8 qt. 1.50		173
Fine roses for the above watering pots extra, 25		
Florence Vaporizer .—For spraying fluids on plants.....	75

Eclipse Syringe.
147. Length of Barrel 14 in. x 1¼ in. diam.

Hydronette.
Length of Barrel, 24 in.; diam., 1 in.

ELEPHANT'S EAR.
(Colocasia or Caladium Esculentum.)

Summer Flowering Bulbs.

Elephant's Ear.

Colocasia or Caladium Esculentum. A grand tropical looking plant, growing from 4 to 5 feet high, producing leaves 3 to 4 feet long; a favorite for specimens on the lawn or the centres of large flower beds, of the easiest culture, requires rich soil and plenty of moisture. (See cut.) Extra size bulbs, \$1.00 each; 1st size, 50 cts. each, \$4.50 doz.; 2d size, 30 cts. each, \$3.00 doz.; 3d size, 15c. each, \$1.50 per doz. (Add 10% extra for postage if wanted by mail.)

Cinnamon Vine.

Dioscorea batatas. A beautiful rapid growing summer climber with clean glossy foliage and spikes of delicious cinnamon scented flowers; perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring. Insects do not trouble it.

Selected Roots, 15c. each; \$1.50 per dozen.

MONTBRETIA.

MADEIRA OR MIGNONETTE VINE.

A rapid, luxuriant summer climber, with thick waxy foliage, and fragrant flowers. Price, 5c. each; 50c. per doz.

Summer Flowering Oxalis.

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession

Oxalis Lasiantha. Rosy pink, 15c. per doz.; \$1.00 per 100.

Oxalis Dieppi. Rosy white, 15c. doz.; \$1.00 per 100.

Montbretia Crocosmiæflora.

This new variety is one of the most beautiful summer and autumn blooming bulbs we know of. It has proved entirely hardy with us the past two winters, and the well-

established clumps which commence flowering in July are a magnificent sight. The flowers of glowing orange and red are borne in greatest profusion on tall spikes, and remain in flower until checked by frost. Highly recommended. (See cut.) Price, 10c. each; \$1.00 per doz.; \$6.00 per 100.

Rose Zephyr Flower.

Zephyranthes Rosea. A most beautiful summer flowering bulb, growing 1 foot high, and bearing flowers from 2 to 3 inches across, of the most exquisite shade of rosy pink; groups of 1 or 2 dozen bulbs in sunny flower beds are in continuous bloom during the summer months. Price, 10c. each; \$1.00 per doz.; \$7.00 per 100.

GIANT CAPE HYACINTH.
(Galtonia Candicans.)

THE GIANT Summer Flowering Cape Hyacinth

Galtonia or Hyacinthus Candicans. Very showy for the centres of large beds, or if grown in groups it grows luxuriantly; flower spikes 4 to 5 feet high, bearing from 20 to 30 large white, bell-shaped fragrant flowers. (See cut.) Price, 1st size bulbs, 15c. each; \$1.50 per doz.; extra size, 25c. each; \$2.50 per dozen.

Mexican Star Flower.

Milla biflora. A beautiful Mexican summer blooming bulb, succeeding admirably when planted out in sunny positions. A row or bed of them are always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear waxy white, of great substance. Height, 12 to 18 inches. (See cut.) Price, 10c. each; 75c. per doz.; \$5.00 per 100.

Peruvian White Sea Daffodil.

Pancratium Calathinum. A Peruvian bulb, bearing handsome clusters of large, striking, very fragrant, pearly white flowers. Bulbs should be kept warm and dry, and planted out in the middle of May. They will then commence flowering in July. It is also admirably adapted for pot culture, and can be forced into flower in 6 to 8 weeks' time. (See cut.) Price, 25c. each; \$2.50 per doz.

MEXICAN STAR FLOWER (Milla biflora).

Tigridias,

Peacock Tiger Flower,
OR
Mexican Shell Flower.

Extremely handsome Summer flowering bulbs, growing about 2 feet high, producing large gorgeous flowers; exquisitely spotted; they flower very freely throughout the summer, particularly if the bulbs are planted in a warm sunny position.

Tigridia Conchiflora (Mexican Shell Flower). Dark yellow, large red spots. 5c. each; per doz., 30c.; per 100, \$2.50.

Tigridia Grandiflora (Peacock Tiger Flower). Very large bright crimson centre, mottled with yellow. 6c. each; per doz., 50c.; per 100, \$3.00.

Tigridia Grandiflora Alba. Flowers large, ivory white, spotted at the base with red on a yellowish ground, forming a fine contrast with the white of the petals. (See cut.) 8c. each; per doz., 75c.; per 100, \$5.00.

PERUVIAN WHITE SEA DAFFODIL (Pancratium Calathinum.)

WHITE MEXICAN SHELL FLOWER.
(Tigridia grandiflora alba.)

NEW "SNOW WHITE" GLADIOLUS.

NEW GLADIOLUS,

✦ "Snow White." ✦

A Grand Novelty! Now offered for the first time.

THIS is the best White Gladiolus. The flowers are elegantly formed, and are of great substance, lasting a remarkable length of time when cut. The spikes are of good size, set solidly and perfectly with the flowers from bottom to top. The petals are gracefully recurved, and, in many cases, beautifully crimped. The entire flower is a perfect paper-white, with a slight cream shade on lower half of the lower petal. A suggestion only of purple is also sometimes seen on the lower petal. A field in August, under the most trying blazing sun, appeared like a field of snow. If the spikes are cut when the first two or four lower flowers open and are allowed to develop in water, it is positively snow-white. It is a good, strong grower, in many cases producing three spikes from one. To get the largest flowers and spike, cut off all but one spike. The Massachusetts Horticultural Society awarded this Gladiolus the Prize as the best White Gladiolus introduced, and also three years before, a First-Class Certificate of Merit. Price, 30c. each; 4 for \$1.00; \$2.50 per doz.

Lemoine's Hybrid or Butterfly Gladiolus.

	Each.	Per doz.	Per 100.
EXTRA Fine Mixed, including many new choice varieties.....	15c.	\$1.50	\$10.00
Fine Mixed Varieties.....	10c.	1.00	7.00

Gladiolus Bulbs.

THIS magnificent family contains hundreds of varieties, comprising all imaginable colors, shades and variegations, from the most gorgeous and dazzling to the softest and most delicate shades. They deserve to be grown in every garden, no matter how large or small. For cutting they are invaluable, the flowers lasting in water a week. There is nothing in the floral kingdom so easy of culture and so sure to succeed as the "Gladiolus." They can be planted at any time from May to July 15th, and never fail to flower the same season, and they grow in any garden soil, and commence blooming in July, and by successive plantings every two or three weeks, can be had in flower the entire season until checked by frost. The bulbs can be furnished by us until May 15th. They are easily kept in a paper bag on any convenient shelf until planting time.

Gladiolus in Mixtures.

	(If desired by mail, add for postage 10c. per dozen.)	Each.	Per doz.	Per 100.	Per 1,000.
All Colors Mixed.....		5c.	35c.	\$2.50	\$22.00
Our Extra Fine American Hybrids, Mixed, including many new seedlings of great beauty.		5c.	50c.	3.50	30.00
White and Light Varieties Mixed.....		8c.	75c.	5.00	46.00
Striped and Variegated Varieties Mixed.....		8c.	60c.	4.00	38.00
Pink Varieties Mixed.....		8c.	60c.	4.00	38.00
Red and Scarlet Varieties Mixed.....		5c.	35c.	2.50	22.00
Yellow Varieties Mixed.....		8c.	75c.	5.00	46.00
Scarlet and Pink, with White Throats, Mixed		10c.	\$1.00	6.00	55.00

One dozen each (96 in all) of the above mixtures, all kept separate, for \$4.00; 50 each (400 in all) for \$15.00; 100 each (800 in all) for \$28.00.

Gladiolus Bulbs 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 some of the grandest varieties in cultivation. Sold thus in collections, we can offer them at greatly reduced rates.

Surprise Collection , containing 12 choice mixed unnamed, but each bulb of a different variety.....	for \$0.75
Bijou " " 12 extra choice seedlings unnamed, but each bulb of a different variety.....	" 1.00
Rainbow " " 12 choice named varieties.....	" 1.25
Elberon " " 12 superb named varieties.....	" 2.00
Newport " " 12 new and rare varieties named.....	" 3.00
Or full set, 6 Collections , including "Henderson's Best Dozen," described below.....	" 10.00

"Henderson's Best Dozen" Gladiolus.

Carnation. Well expanded flowers of a fleshy-white color, profusely tinged at the edges with the richest carmine; lower petals blotched purplish carmine.
Chameleon. 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.
Phœbus. 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 flamed 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.

CHOICE NAMED GLADIOLUS.

Varieties which flower first are marked **A**; those which flower somewhat later, **B**; still later, **C**; the latest, **D**.

The exquisite beauty of the **CHOICE NAMED GLADIOLUS** is not sufficiently known. Many rare varieties do not propagate fast enough to enable us to put them in mixtures, which is the way the majority of people get Gladiolus. Therefore to induce trial of these magnificent sorts, we offer them this season at the very low and uniform price of 10 cts. each; \$1.00 per dozen (except the

Butterfly or Lemoines, which are 25c. each;
\$2.50 per dozen.)

White Gladiolus.

- Amalthee.** *A.* Pure white; large violet-red blotch, ground of the corolla velvety violet, the lower petals slightly tinted with lilac in stripes.
Ceres. *B.* Pure white, spotted with purplish rose.
Diamant. *A.* Flowers extra large, fleshy white, of a remarkable freshness, throat ivory-white, blotched and streaked carmine, new color of exceptional distinctness, early flowering; a magnificent plant.
John Bull. *A.* White, slightly tinged with sulphur.
Princess of Wales. *B.* White, flamed with carmine rose; deep carmine blotch.
Shakespeare. *A.* White, very slightly suffused with carmine-rose, large rosy blotch.

Rose and Pink Gladiolus.

- Adamson.** *B.* Rose slightly tinged lilac; large blotch on white ground tinged yellow; edged with carmine, flushed lilac.
Carnation. *A.* Large, well expanded flowers of a fleshy white color, profusely tinged at the edges with the richest carmine, the lower petals blotched purplish carmine, fine, long, well-furnished spike.
Eglantine. *A.* Tall spike with perfectly shaped flowers of pure white, tinged with delicate rose and profusely flamed and edged with carmine red; beautiful variety of a remarkable brightness.
Elizabeth. *B.* Dark rose flamed with bright carmine purple; large purple-carmine blotch with white stripes.
Eugene Scribe. *A.* Flower very large and wide, perfect, tender rose, with blazed carmine red.
Nelly. *C.* White, flamed with carmine-rose, large blotch of dark carmine.
Oracle. *B.* Very brilliant cherry-rose; extra fine.

Flesh and Salmon Gladiolus.

- Bicolore.** *B.* Very distinct and striking variety, with large flowers of bright rosy salmon, with the exception of the lower petals, which are ivory white, suffused with rose at the edges.
Calypso. *D.* Flesh colored rose, streaked with rose and blotched carmine.
Fatma. *C.* Very large flowers of ivory-white ground, profusely striped and suffused with bright rosy-salmon; violet blotch on creamy ground.
Hesperide. *B.* Profusely blotched and flaked bright rosy salmon on a pure white ground; handsome spike of grand effect.
Princesse Clotilde. *B.* Pale salmon-rose, large purple blotch on white ground.
Seduction. *B.* Splendid spike with rosy salmon colored flowers, very bright and open, of a delicate pearly rose, throat very clear, with large white blotch feathered carmine.

Scarlet and Dazzling Red.

- Gen. Phil. Sheridan.** Long spike of fire-red flowers of large size and well arranged, a distinct white line running through each petal, and a large pure white blotch on the lower; a remarkably showy variety.
Brenchleyensis. *C.* Bright vermilion scarlet.
Horace. *B.* Rich scarlet, large pure white blotch feathered red.
James Veitch. *C.* Bright crimson, violet blotch.
Lamarck. *D.* Very long spike of large fl. cherry col. slightly tinted with orange, blazed with red, centre very well lighted, very large pure white stain; very fine plant.
Romulus. *A.* Very brilliant dark red, large pure white blotch, white lines on lower petals; very showy.

Violet and Purple Gladiolus.

- Bernard de Jussieu.** *A.* Violet shaded cherry and purple, purple blotch on white ground.
Cleopatra. *C.* Soft lilac, the lower petals of a darker hue suffused with violet; purple feathered blotch.
La Perle. *A.* Splendid spike with large flowers admirably arranged, pure lilac blotched with violet carmine on the lower petals, extra fine.
Phidias. *C.* Very brilliant purple ground, slightly tinted with violet, large pure white blotch, feathered with carmine cherry; very showy.
Thomas Methven. *B.* Violet tinged with rose, centre light transparent, shading off to carmine-violet; very fine.

GLADIOLUS LEMOINEI.

Butterfly Gladiolus.

(Lemoine's large stained hybrids.)

- Emile Lemoine.** Brilliant vermilion, spotted with gold; maroon blotch, bordered with yellow.
Enfant de Nancy. Flowers medium size; purplish red, lower petals deep crimson. Color and blotching entirely unknown heretofore in Gladioli.
Lamartine. Large flowers; rosy flesh, large bright maroon blotch on the lower petals.
Lafayette. Flowers very large; yellowish salmon, large crimson blotches on lower petals.
Lemoinei. Fine, good size flowers, closely set on the spike, which is about one foot long; upper petals of a creamy white color, tinted salmon red, the lower ones spotted with deep purplish crimson, bordered with bright yellow and salmon red.
Marie Lemoine. Long spike of fine, well expanded flowers; upper divisions of a pale creamy color, flushed salmon lilac, lower divisions spotted purplish violet bordered deep yellow.

Price for any of the above 6 Lemoine's hybrids, 25c. each; \$2.50 per doz.; or, the collection of 6 for \$1.25.

Orange-Red Gladiolus.

- Anna.** *C.* Cherry, tinged bright orange, lower petals striped dark carmine on white ground.
Antiope. *B.* Light orange cherry, with a dark carmine blotch on pure white ground.
Mac-Mahon. *C.* Satin orange-colored cherry-rose, striped red; first rate.
Pyramide. *B.* Handsome and perfect spike, broader at the lower part than at the top, large, well expanded flowers of the brightest and most delicate orange-rose. Plant of medium height, exceptionally fine.
Roi Leopold. *B.* Blush rose slightly suffused with orange and shaded deep currant-red, white blotch.

Carmine Gladiolus.

- Cicero.** *B, C.* Flowers very large and open, of a fine dark rose, tinged with violet-crimson carmine, flamed with bright carmine, throat white.
Dona Maria. *B.* Dark violet, flamed with carmine, carmine-violet feathered white blotch.
Mozart. *C.* Bright rose, slightly tinted with violet, flamed with dark carmine; large pure white blotch.
Semiramis. *D.* Carmine-rose on white ground, flamed with bright carmine; unrivaled variety.
Themis. *B.* Fine spike of delicate satin-rose colored flowers, conspicuously flushed with carmine, cream colored blotch; beautiful.
Zenobia. *B.* Rose, slightly tinted with violet, flamed with dark carmine, large white blotch feathered with carmine; very fine.

Cherry Red and Crimson.

- Achille.** *C.* Beautiful currant-red, white stripe in the middle of each petal.
Elegans. *C.* Light cherry, tinged with brilliant orange; large white blotch.
Le Tintoret. *C.* Fine, cherry rose, flamed with carmine, carmine blotch on yellow tinted ground.
Sapho. *C.* Cherry, slightly tinged with orange, large pure white blotch feathered with bright red.
Sir William Hooker. *B.* Light cherry, rosy-carmine blotch on pure white ground; effective.
Van Dyck. *D.* Crimson-amaranth, striped with white.

Lilac Gladiolus.

- Apollon.** *B.* Rosy lilac, with a large light rose blotch; finely striped white in the centre.
Delicatissima. *C.* White, suffused with soft carmine-lilac, the pure white lower petals edged lilac.
Leander. *B.* Extra large flower of lilac color, beautifully shading off to carmine, a distinct white band in the middle of each petal and conspicuous white blotch on lower petals, fine spike.
Panorama. *B.* Very large spike of well arranged flowers of a beautiful lilac, shaded and mottled with brilliant carmine, throat creamy-white, centre of each petal banded white, new shade of color, very effective, of medium height.

Yellow Gladiolus.

- Canari.** *A.* Light yellow, streaked with rose on the lower petals.
Cræsus. *B.* Very large flower, yellow shaded darker towards the centre, flamed carmine at the edges, and feathered amaranth-red on salmon ground.
Isaac Buchanan. *C.* Finest yellow for massing; new.
Martha Washington. *B.* Light yellow, lower petals slightly tinged rose, large flowers and fine spikes.
Pepita. *B.* Middling compact spike of bright golden flowers, slightly striped carmine at the edges of the petals towards the end of the flowering season. Free flowering.

Garnet and Amaranth Red.

- Addison.** *B.* Dark amaranth, with white stripes.
Asmodee. *C.* Brilliant cherry purple, edged and flamed garnet, with white stains and stripes.
Rossini. *D.* Dark amaranth-red, streaked and blotched white, very good variety.
Africain. *C.* Entirely distinct variety of quite a novel color, slaty brown on scarlet ground, streaked with scarlet and pure white, with conspicuous white blotch. A dark colored variety of remarkable effect; dense spike.

PRICE for any of the above named Gladiolus (excepting the Butterfly or Lemoines), 10c. each; \$1.00 per doz.; or, the collection of 60 varieties (each separately named) for \$5.00—or, including the 6 Butterfly Gladiolus, \$6.00.

Grand Novelty
NEW
Branching
Tuberose
"ALBINO."

NEW TUBEROSE, ALBINO.

✧ Lily Bulbs. ✧

Auratum. Flowers 1 ft. across; pure white, with crimson spots and yellow stripes; grand fragrant lily. 25c. each; \$2.50 per doz. (Add for postage 5c. each extra.)

Auratum Rubrum Vittatum. Magnificent flowers, 12 inches across. Waxy white, beautiful spotted crimson, with a crimson stripe through each petal; fragrant. (See cut.) Each, \$1.75.

Auratum Wittei. Magnificent flowers, 12 inches across; pure white, with raised spots of satin white, and a broad yellow stripe. Each, \$2.00.

Batemanniæ. A bright apricot-tinted flower. Each, 25c.; \$2.50 per doz.

Crocium. (Bulbiferum.) Broad funnel-shaped flowers of beautiful golden, slightly tinted scarlet. 25c. each; \$2.50 per doz.

Krameri. Large flowers of a soft, beautiful rose color. 50c. each; \$5.00 per doz.

(Add for postage on Lancifolium varieties 5c. per bulb extra.)

Lancifolium Album. Purest white. 35c. each; \$3.50 per doz.

Lancifolium Roseum. White shaded and spotted with rose. 20c. each; \$2.00 per doz.

Lancifolium Rubrum. White shaded with deep rose and spotted red. 20c. each; \$2.00 per doz.

Lancifolium Punctatum. Pale rose, with raised crimson spots. 50c. each; \$5.00 per doz.

Longiflorum. ("Easter or St. Joseph Lily.") The well known beautiful snow-white, fragrant, hardy garden lily; flowers trumpet-shaped, 6 to 8 inches long. 15c. each; \$1.50 per doz.

Longiflorum Follis Marginatis. A counterpart of the above excepting the foliage, which is beautifully margined with white. Distinct and rare. 75c. each; \$7.50 per doz.

Leichtlinii. A beautiful Japanese species, of neat and elegant habit; the flowers are pure canary yellow, with crimson spots. A real acquisition. 3 to 5 feet (August). 75c. each; \$7.50 per doz.

Tigrinum Splendens. (Improved Tiger Lily.) Very large flowers; orange-salmon, spotted black. 25c. each; \$2.50 per doz. (Add for postage 5c. per bulb extra.)

Tenuifolium. (Siberian Lily.) A charming species, brilliant scarlet flowers. 35c. each; \$3.50 per doz.

Washingtonianum. A beautiful California Lily, growing stiff and erect. Flowers white, tinted with purple and lilac, 8 to 9 inches across, when fully expanded. 35c. each; \$3.50 per doz. (Add 5 cts. extra for postage.)

The True Bermuda Easter Lily.

(LILIUM HARRISII.)

Pure, pearly white, deliciously fragrant and a remarkable profusion of bloom characterize this charming and celebrated Lily. It is one of the grandest acquisitions made in many years. It is one of the most valuable bulbs for winter flowering in the house or for flowering in the garden, blooming with great profusion. Very large bulbs in their native place have borne as high as 112 flowers. The flowers are purest white, 4 to 5 inches long, and frequently more, and of the most delicious fragrance. Is entirely hardy south of Washington, and will stand our winters in this latitude if covered with leaves and litter to a depth of 5 to 6 inches. It is also one of the best bulbs for forcing purposes for flowers in the winter. 25c. each; \$2.50 per doz.

1 Bulb each of the above 17 Lilies for \$8.00. (Value separately is \$9.00.)

✧ Summer Flowering Bulbs. ✧

GRAND NOVELTY New Branching Tuberose, "Albino."

We have been fortunate in securing the stock of this most valuable novelty from the raisers, Messrs. Henry Michel & Bros., and it will be offered for sale exclusively by us for the *first time* this season. It was first exhibited at the National Florist Convention, held in August, at Chicago, in 1887, and was there awarded a certificate of merit. Its value consists in its flowering *30 days* earlier than the old single variety, in its throwing from *two to five flower stems on a single bulb*, and these again are often *branched*, but its great merit above all other Tuberose is that the *outside* of the petals is of the same waxy white as the inside, making it one of the most valuable plants ever introduced for cut flowers. This characteristic is so distinct that when first seen, being single, it might be said to resemble a Stephanotis or some species of Jessamine as much as a Tuberose, both in appearance and fragrance, for the odor is less heavy than that of the ordinary Tuberose. (See cut.) **Price** of flowering bulbs, 75c. each; \$7.50 per doz.

Double Pearl Tuberose.

This variety, which we introduced, grows only twenty to twenty-four inches, about half the height of the old double sort, and the flowers are nearly twice the size (often two inches in diameter), and imbricated like a Camellia; deliciously fragrant. (See cut.) **Price**, extra size bulbs, 10c. each; \$1.00 per doz.; \$6.00 per 100. (Add for postage 10c. per doz. extra.)

Tall Double Tuberose.

While the flowers are not as large as the *Pearl* variety mentioned above, yet it has some advantages for outside planting, particularly in a cool season, as the flowers always open well and remain white. Very fragrant. Extra size bulbs, 5c. each; 80c. per doz.; \$5.00 per 100. (Add for postage 10c. per doz. extra.)

Variegated Foliage Tuberose (Single Flowering.) The leaves are bordered with white, making the plant very attractive, even when not in bloom. Flowers large, single and exquisitely fragrant; they bloom much earlier than double Tuberose, 15c. each; \$1.50 per doz.; \$10.00 per 100. (Add for postage 10c. per doz. extra.)

Single Orange Flowered Tuberose. These are particularly useful for cutting, vases, etc. Flowers pure white, waxy and star-shaped, resembling orange flowers; fragrant, but not as heavy as the double varieties. 10c. each; \$1.00 per doz.; \$7.00 per 100. (Add for postage 10c. per doz. extra.)

PEARL TUBEROSE.

LILIUM AURATUM RUBRUM VITTATUM.

VIEWS IN OUR GREENHOUSES.

Plant Department.

THE above engravings show some of the most important departments in our Green-houses, and will no doubt be interesting to such of our customers as have not paid our establishment a visit.

Visit our Grounds. —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 St., 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.

Novelties and Standard 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.

Nine Million Plants. —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 unequalled facilities for their production, we can compete with any in the matter of prices. Special prices given on large contracts.

Quality and Price. —A personal inspection of our plants at the Green-houses, Arlington Avenue, Jersey City, N. J., or at our Seed Warerooms, 35 and 37 Cortlandt Street, New York, or a trial order, will convince all of the high 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.

Our System of Packing. —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 Warrant the 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.

We Make No Charge 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.

Cultural Instructions. —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. 146.)

Collections. —We wish to call attention to our Collections of Plants for special purposes, such as *Bedding Plants, Roses, 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.

Order Early. —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 page 146.

Our Liberal Offer. —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, Papa Gontier.	1 Bermuda Lily.	Glechoma Hederacea.
Rose, Niphetos.	Rose, Flambeau.	New Geranium, White Swan.	Fringed Hydrangea.
Rose, The Bride.	Rose, Wootton.	2 New Chrysanthemums.	2 New Double Petunias.
Rose, American Beauty.	Abutilon, Eclipse.	2 New Hardy Carnations.	3 New Verbenas.
Rose, Meteor.	Daisy, Longfellow.	2 New Coleus.	Double Sunflower.
Rose, Miniature.	New Carnation, Dawn,	1 New Dahlia.	New Pink, Abbottsford.
Rose, Mme. de Watteville.	New Carnation, Portia.	2 New Fuchsias.	New French Canna.
	New Carnation, Andalusia.	New Ivy Geranium.	

For full description of Novelties named above, see succeeding pages.

Have your Plants Shipped before April 1st. —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.

THE "Garland" Collection,

WHICH we show in Colors on the back cover of this Catalogue, and which are named and described on the next page, we confidently offer to our customers as perhaps the best possible selection to be had in twelve sorts. We have prepared an essay on the "Garden Culture of the Rose," which we give free to every purchaser of the "Garland" Collection.

Quality. —We claim that we send out larger and finer Roses than any other firm in the business. Our smallest size is larger than the plants usually sent out by the mailing trade throughout the country, and our cold system of growing Roses makes them infinitely better.

Different Sizes. —We grow our Roses in *different* sizes. This gives purchasers the opportunity of procuring a plant of large size which will make a show at once, or smaller plants at prices which place them within the reach of all. We offer Roses in three sizes, which are usually graded as follows: "First size are usually 15 to 20 inches high, and branched; second size, 10 to 15 inches; and third size, 5 to 10 inches."

Cold Grown Roses. —We propagate our Roses in June, July or August, which enables us to grow them to a good size by fall, when we store them away in *cold* green-houses until sold in spring. Roses thus treated have their natural season of "rest," and invariably do well when set out.

Prevention of Diseases. —We have steadily maintained that the insects and diseases which attack the Rose (and other plants as well) are the *effect* of a condition, and *not the cause*—troubles of this kind rarely come upon vigorous, healthy plants. It is the weakened, sickly plants that are the victims. The best remedy, then, is prevention. Keep your plants in good health by a little care and attention, and there will be no trouble. Full information on this subject is contained in our Essay on the "Garden Culture of the Rose," which is given away with our "**GARLAND**" COLLECTION of Roses.

Variation of Color. —The tendency of Roses—particularly the dark red varieties—to partially lose color under certain conditions is a constant source of annoyance, and, where the reasons are unknown, of considerable alarm. We are constantly in receipt of letters on this subject, and will take this opportunity to say that change of soil and climate, frequent and sudden thermal changes, excessive drought or heat, or almost any of the incidents which tend to check the growth of a Rose, will cause a temporary loss of color, which, however, is only temporary, and passes away with the cause which was the occasion of it. Thus, rich crimson colored Roses, like "Bennett" or "Papa Gontier," generally become a faded pink in the hot summer months, regaining color again as cool weather advances.

Testimonials. —The unsolicited testimonials, as to the size and quality of our plants, and the liberal manner in which we fill orders, found at the bottom of the succeeding pages, are samples of thousands we received last season.

The Roses were received in good condition. I am satisfied that your selection of varieties was better than the original list, and I thank you sincerely for the excellent selection you made, as well as the premium and extras.—JOHN HARVEY, Columbus, N. J., June 20th, 1889.

✧ The ✧ "Garland" ✧ of ✧ Roses ✧

WHICH IS SHOWN ON THE BACK COVER OF THIS CATALOGUE.

(Flowers half natural size.)

UNDER this title we offer a Collection of Twelve Roses, the cream of the new and the old—combining the greatest range and contrast of colors, freedom of blooming, and general excellence possible to be got in that number. In every order for the "**Garland**" Collection will be sent free a pamphlet on the "Garden Culture of the Rose," giving plain and clear directions; and all purchasers of this *Superb Collection*, we think, are certain to get a grand bed of blooming Roses throughout the entire season

by following these simple instructions, which embrace the treatment of Roses when received—the necessary kinds of soil and its preparation—the best time to plant—how to prune—the most improved methods of propagation—how to preserve Roses during winter—insects and diseases, with the best methods of destroying them. These and other important matters are fully treated. Each variety below named is numbered to correspond with the *colored specimens on back cover of this Catalogue*—which please see.

1. **SOUVENIR DE WOOTTON.** This is the first season we have offered this superb Rose, which is equally grand both for summer and winter blooming. One grower has planted out 20,000 for winter this season. It is of largest size of Monthly Roses, double and of fine form. Color, a carmine shade of crimson, deliciously tea-scented. In our opinion it is the grandest Rose, take it all and all, now in cultivation. Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
2. **MAGNA CHARTA.** This hardy Hybrid Perpetual is of the largest size, grand form, color as shown by the colored plate, a deep pink; but no painting can convey exactly the rich, natural shade of this Rose. Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
3. **COQUETTE DES BLANCHES.** Pure snow white. A grand Rose for cemetery purposes, as it is ever-blooming and hardy even in extreme Northern States if given a protection of leaves. (See instructions.) Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
4. **MRS. J. LAING.** No description or painting can portray the rich, shell-like color of this grand Rose, which is of large size, exquisite form and fragrance, and hardy, like the preceding. Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
5. **PRINCE C. DE ROHAN.** As will be seen by the Colored Plate, this Rose is of the darkest shade of crimson, almost black when in perfection. It is a true hardy Hybrid Perpetual, of the richest fragrance. Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
6. **MALMAISON.** An old but always scarce Rose, of immense size, ever-blooming, and of the richest shade of blush. It is nearly as hardy as the Hybrid Perpetual Roses, some im-
- mense bushes having stood out in winter in the New York cemeteries for many years. Price, 1st size, 50c.; 2d size, 30c.; 3d size, 15c. each.
7. **AGRIPPINA.** No crimson Monthly Rose equals this in profusion of bloom. It is of medium size and of the richest shade of crimson, blossoming the entire season. Price, 1st size, 50c.; 2d size, 30c.; 3d size, 15c. each.
8. **PERLE DES JARDINS.** The best yellow Tea Rose. Large size, fine form, exquisite tea fragrance, and ever-blooming. Price, 1st size, 50c.; 2d size, 30c.; 3d size, 15c. each.
9. **HERMOSA.** Certainly the best ever-blooming Pink Rose; it is always in bloom. A clear healthy grower, and hardy as the Hybrid Perpetual class. Like Malmaison, it is grown largely in the New York cemeteries for its hardiness and continuous blooming. Price, 1st size, 50c.; 2d size, 30c.; 3d size, 15c. each.
10. **FLAMBEAU.** This is an entirely new Rose, the whole stock of which is controlled by us; is of a bright, flame-colored crimson, a seedling from Gen. Jacqueminot, but much more double and of a brighter shade. It is equally hardy, and is certain to prove a great acquisition. Price, 1st size, \$1.00; 2d size, 50c.; 3d size, 30c. each.
11. **MARIE LAMBERT.** A pure white Tea Rose; ever-blooming, of large size and delicious fragrance. One of the very best summer-blooming Tea Roses. Price, 1st size, 50c.; 2d size, 30c.; 3d size, 15c. each.
12. **LA FRANCE.** As yet unequalled of its color, a satiny shade of pink, shading to blush, of the most delicious fragrance; ever-blooming and very hardy. It is also largely grown for cemeteries. Price, 1st size, \$1; 2d size, 50c.; 3d size, 30c. each.

Or the "**GARLAND**" COLLECTION of Twelve Superb Roses at the following reduced rates:

1st size, "Garland" Collection of 12 sorts,	\$7.50.	If bought separately would cost	\$9.00.
2d " " " " " "	4.00.	" " " "	5.00.
3d " " " " " "	2.00.	" " " "	2.90.

NEW AND RARE ROSES.

SOUVENIR DE WOOTTON.

THIS superb new rose, shown in the above engraving, and also figured as No. 1 in *The "Garland" of Roses* on the back cover of this Catalogue, is unquestionably one of the finest varieties ever introduced for either summer or winter blooming. The color is a beautiful shade of carmine crimson, deliciously fragrant, a constant and most prolific bloomer, every new shoot forming a flower bud; it retains its color better than any rose of its class, and is exceedingly vigorous in growth, rendering it one of the most satisfactory roses for either the amateur or commercial florist to grow.

1st size,	\$1.00 each,	\$9.00 per dozen.
2d "	.50 "	4.50 "
3d "	.30 "	3.00 "

New Hybrid Tea Rose,

"Red La France,"

(Duchess of Albany.)

This variety is identical with the well-known and popular "*La France*," except that its color is a deep pink throughout; and although not by any means red, yet the color is deep enough to warrant its title of "*Red La France*," in contrasting it with "*La France*."

Price, 1st size, \$1.50 each.

" 3d " 50c. "

New Hybrid Rugosa Rose

"Mme. Georges Bruant."

This new ever-blooming rose inherits the beautiful foliage and hardiness of the "*Rugosa*," with the flowering qualities of the Tea class. Color pure white, very fragrant, buds long and pointed. It is hardy everywhere, and is sure to become popular.

Price, 1st size, \$1.50 each.

" 3d " 50c. "

NEW HARDY ROSE,

"Flambeau."

This splendid new rose is shown in *The "Garland" of Roses* as No. 10. (See back cover of this Catalogue.) It is a seedling from "*General Jacqueminot*," combining with the good qualities which have made that variety popular a much brighter shade of scarlet crimson, and is much more double.

Price, 1st size, \$1.00 each, \$9.00 per doz.

" 2d " .50 " 4.50 "

" 3d " .30 " 3.00 "

Hardy Hybrid Perpetual Rose,

"Mrs. J. Laing."

This excellent variety is shown in *The "Garland" of Roses* on the back cover of this Catalogue—see No. 4. It is a grand Hardy Hybrid of an exquisitely delicate pink color, a remarkably strong grower, deliciously fragrant, a very free bloomer, making strong, vigorous shoots, surmounted by perfectly shaped flowers of the largest size.

1st size, \$1.00 each; \$9.00 per dozen.

2d " .50 " 4.50 "

3d " .30 " 3.00 "

If it be any satisfaction to a dealer to know that he pleases his customers, I can give you that satisfaction with a good will. The *Roses* are fine, healthy-looking plants, and look as if they had never left the green-house.—Rev. Wm. L. PALMER, Norvell, Mich., June 27th, 1889.

New Polyantha Rose

"George Pernet."

The flower of this variety is much larger than the other sorts in this class, but retains all the other characteristics, viz.: their wonderful profusion of bloom, dwarf habit and hardiness. Color, bright pink with coppery yellow at the base of the petals.

1st size, 75 cts. each.

2d " 50 " " \$4.50 per dozen.

NEW POLYANTHA ROSE,

"Golden Fairy."

This beautiful little rose is, as its name indicates, of a golden color and of dwarf habit. It is a product of Mr. Bennett, of Shepperton, England, which alone is a warranty of its merit. Very scarce.

Price, \$1.00 each, 2d size.

New White Bedding Rose

"Marie Lambert."

This grand acquisition to our list of *Bedding Roses* is shown in **The "Garland" of Roses** on the back cover of this Catalogue—No. 11 (which see)—and is one of the most promising of the new roses. It is pure white, of fair size, good form and substance, but its great value lies in its enormously prolific blooming qualities—equaling *Hermosa* and *Agrippina* in this respect. It will make a splendid contrast when planted with these varieties, and will no doubt become as popular as either of them.

1st size, 50 cts. each; \$6.00 per dozen.

2d " 30 " " 3.00 "

3d " 15 " " 1.50 "

New Hybrid Tea Rose.

"Mme. Schwaller."

A splendid variety, inheriting the strong habit, size of flower and rich perfume of the Hybrid Perpetual, with the ever-blooming qualities of the Tea Rose. In this latter quality it is without a rival in its class, being constantly covered with its beautiful large double rosy salmon flowers.

1st size, 75 cts. each; \$9.00 per dozen.

2d " 60 " " 6.00 "

3d " 30 " " 3.00 "

✻ NEW TEA ROSE, ✻

"Suzanne Blanchet."

A year's experience with this rose only confirms our good opinion of it. French white, with deep flesh colored centre. A strong growing and very free blooming variety.

1st size, 75 cts. each; \$7.50 per dozen.

2d " 50 " " 4.50 "

3d " 30 " " 3.00 "

NEW HARDY SCARLET CRIMSON ROSE, "GLOIRE DE MARGOTTIN."

New Hardy Rose,

"Gloire de Margottin."

This new hardy rose is distinguished alike for its vigorous, healthy constitution, freedom of bloom, and handsome foliage; but, beyond all, it is decidedly the most brilliant red rose as yet introduced. So intense is the color that it might almost be termed a scarlet. Added to these qualities, it has flowers of the largest size and most exquisite fragrance. It will prove hardy everywhere. (*See cut.*)

Price, 1st size, \$1.50 each.

" 2d " .75 " \$7.50 per doz.

" 3d " .50 " 4.50 "

NEW TEA ROSE, "SAPPHO."

New Tea Rose,

"Sappho."

THIS beautiful new rose gives promise of a brilliant future, being a wonderfully prolific bloomer and very strong grower. The buds are fawn color, tinged with rose; the opening flowers shaded with yellow, deepening to deeper yellow at the centre. The petals are large and of great substance, double to the centre, so that it will make a grand rose for summer bedding. (See cut.)

1st size,	\$2.00	each.
2d "	1.25	"
3d "	.75	"

Hardy Hybrid Tea Rose

"La France."

We offer this magnificent variety in **The "Garland" of Roses**, which we show in colors on the back cover of this Catalogue—which please see (No. 12). We cannot speak too highly of this superb rose, which every year becomes more popular. Flowers large and beautiful, either in the bud form or when expanded; peach-blossom color, shaded pink and silvery rose. It is very free blooming, every shoot forming a beautiful flower. In addition to this, it is entirely hardy, with a slight protection of leaves, and most deliciously fragrant, thus combining in a marked degree all the qualities of a perfect rose.

1st size, \$1.00 each; \$10.50 per dozen.

2d "	.50	"	4.50	"
3d "	.30	"	3.00	"

Ever-Blooming Rose,

"Malmaison."

This is another of the varieties which we deem worthy of a place in **The "Garland" of Roses**, shown in colors on the back cover of this Catalogue. (See No. 6 in **The "Garland."**) This grand old variety, when used as a bedding rose in summer, has no equal, as it produces the most perfect flowers in the hottest weather. Its rich, flesh-colored flowers are of immense size, are produced in abundance, and have the requisite form and substance to withstand our hot, dry summers. Exquisitely fragrant.

1st size, 50 cts. each; \$6.00 per dozen.

2d "	30	"	4.00	"
3d "	15	"	2.00	"

Hybrid Perpetual Rose,

"Gen. Jacqueminot."

Now known everywhere. The best of all forcing roses of the Hybrid Perpetual class. Hundreds of thousands of feet of glass are exclusively devoted to this one variety. The buds, in mid-winter, wholesale at from 25 cents to 50 cents apiece. Color, rich crimson; of fine shape and exquisite fragrance. This grand old variety holds its own against all new comers, and is undoubtedly the finest hardy rose of its color.

1st size, 50 cts.; \$4.50 per dozen.

2d "	30	"	3.00	"
3d "	20	"	2.00	"

"DINSMORE."

New Hardy Ever-Blooming Rose,

"Dinsmore."

We repeat the description given of this grand variety when first introduced by us, and would add that, next to "Sunset," it has had the largest sale of any rose ever sent out by us. We have received hundreds of letters confirming our high opinion of it. "For years we have been looking for a variety which had all the desirable qualities of a bedding rose—that is, one which was of good color, fine form, a profuse bloomer, and which would stand the rigor of our Northern winters without protection; and we can conscientiously say that, until the 'Dinsmore' was produced, there was none to our knowledge which combined all these qualities. It is a vigorous, healthy rose of branching habit, and is simply loaded with flowers all summer long, being even more profuse than most of the tender 'ever-blooming' roses. The flowers are large, perfectly double, and of a dazzling scarlet crimson color, and have that rich, spicy fragrance peculiar to the best hybrid roses. We have proved the 'Dinsmore' to be entirely hardy, and can recommend it as being the finest garden rose ever offered." Wherever summer rose buds are wanted it has no equal. (See cut.)

1st size,	\$1.00	each;	\$9.00	per dozen.
2d	"	.50	"	4.50
3d	"	.30	"	3.00

Ever-Blooming White Tea Rose,

"Niphetos."

The White Rose par excellence—large pointed buds—very free flowering. Particularly valuable for winter forcing.

10c.,	30c.	and	50c.	each,	according to size.
\$1.00,	\$3.00	and	\$4.50	per dozen,	according to size.

Yellow Tea Rose,

"Perle des Jardins."

This standard variety is shown as No. 8 in The "Garland Collection," on the back cover of this Catalogue. No rose of its color ever cultivated for cut flowers up to the present time is now so valuable as this. Tens of thousands of it, covering many acres in glass, are now grown in the vicinity of New York for winter flowering; it is equally valuable for summer, as it flowers continuously. Its color is a rich shade of yellow, large size and perfect form, tea fragrance, a healthy, free grower, and unequalled in profusion of bloom, either in the green-house in winter or in the open ground in summer.

1st size,	50c.	each;	\$6.00	per dozen.
2d	"	30c.	"	3.00
3d	"	15c.	"	1.50

Ever-Blooming Tea Rose,

"Mme. de Watteville."

A grand rose for either summer or winter blooming. Color, beautiful shell pink, deepening to bright rose at the edge of the petals, the body of the flower being creamy white. This combination of colors suggests the name of "The Tulip Rose," by which title it is known all over Europe. (See cut.)

1st size,	50c.	each;	\$4.50	per dozen.
2d	"	30c.	"	3.00
3d	"	15c.	"	1.50

MME. DE WATTEVILLE.

The "Dinsmore" Roses received from you produced the grandest flowers I ever saw, blooming way along until frost. I never saw anything bloom like them. The bushes were not over 13 inches high, yet at no time were there less than five flowers on a plant.—GEO. WEBER, Ft. Allegany, Pa., January 22d, 1889.

Meteor

Crimson Ever-Blooming Rose, "Meteor."

The "Meteor" is a remarkably rich dark velvety crimson rose; so dark indeed that under certain conditions it is blackish crimson. It is a constant and profuse bloomer, very vigorous and healthy in growth, with no tendency to mildew. No dark red rose ever before offered will be as useful for summer cut flowers, as it is so double that it produces perfect blooms in the hottest weather. (See cut.)

1st size, 75c. each; \$7.50 per dozen.
2d " 40c. " 4.00 "
3d " 20c. " 2.00 "

American Beauty.

In "American Beauty" we have a rose of the largest size, having the ever-blooming qualities of the Tea Rose, with the delicious odor of the Damask or Moss Rose, consequently equally valuable for winter or summer flowering. The flowers of this grand rose are so eagerly sought that they have sold in the New York market for \$100 per 100 around the holidays for years, still holding this extraordinary price. When sold at retail, single buds bring \$1.50 to \$2 each at Christmas. In color it is a deep brilliant pink, shaded toward the centre with rich carmine. Hardy, with slight covering.

1st size, \$1.00 each; \$9.00 per dozen.
2d " .75 " 7.50 "
3d " .40 " 4.00 "

TEA ROSE, "The Bride."

Every lover of fine roses should have a plant of this peerless variety, as it fills a place in Ever-Blooming Roses hitherto wanting. "The Bride" is a pure white rose of large size and most perfect form. The buds are pointed and the ends of the petals are slightly curved back, giving it a most chaste and elegant appearance. This variety has the most delicious tea fragrance, and is a strong growing, free blooming rose either for summer or winter flowering.

1st size, 50c. each; \$4.50 per dozen.
2d " 30c. " 3.00 "
3d " 15c. " 1.50 "

TEA ROSE, "Sunset."

This exquisite orange yellow variety is one of the finest Tea Roses grown. The flowers are large and double. The exquisite shades of coloring found in this variety can only be compared to the gorgeous colors of a summer sunset, hence the name. It is deliciously fragrant, a strong growing and free flowering variety.

1st size, 75c. each; \$7.50 per dozen.
2d " 30c. " 3.00 "
3d " 15c. " 1.50 "

TEA ROSE, "Papa Gontier."

This is one of the most fashionable of our winter flowering roses, but is equally useful for summer bedding. Color, a glowing carmine crimson.

1st size, 50c. each; \$4.50 per dozen.
2d " 30c. " 3.00 "
3d " 15c. " 1.50 "

The set of the above 5 roses, 1st size, \$3.00; 2d size, \$1.50; 3d size, \$1.00.

DWARF BEDDING ROSES.

(POLYANTHA CLASS.)

A CLASS OF ROSES of much value for bedding purposes, as they form a mass of bloom. They are of dwarf habit, and are continuously in flower during the entire season. They bloom in numerous clusters, of from 25 to 100 flowers in each cluster, the single flowers being about 1½ inches across. The **POLYANTHA ROSES** are hardy in this latitude with slight protection. They are particularly valuable for planting on the borders of beds of taller growing sorts, or on the edge of foliage beds, as they are constantly in bloom, and rarely attain more than 10 or 12 inches in height. They are also largely used for borders in cemetery plots, their neat and tasteful appearance commanding attention at first sight. (See cut.)

- Mignonette.** Dark pink; extra fine. 15c. and 50c. each.
- Paquerette.** Pure white; very hardy. 15c. and 50c. each.
- Mme. Cecil Bruner.** Delicate rose color. 15c. and 50c. each.
- Anna Marie Montravel.** Beautiful white; fine form. 35c. and 50c. each.
- Perle D'Or.** Saffron yellow, tinged copper color. 15c. and 50c. each.
- Miniature.** Light pink, changing to white. 20c. to 60c. each.

Set of 6, 1st size, \$2.50.
" 6, 2d " 1.00.

General Collection of Ever-Blooming Roses.

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 on next page.

MARIE GUILLOT. (See description below.)

- Andre Schwartz.** Dark crimson.
Anna Olivier. Creamy blush, shaded with carmine.
American Banner. Striped crimson and white.
Alba Rosea. White tinged rose color, shaded blush.
A. Christophe. Apricot, shaded with soft rosy crimson.
Adam. Bright carmine pink, large and full.
Aline Sisley. Violet red, brightened with crimson maroon.
Appoline. Dark pink; full and fragrant.
Baronne M. Werner. Creamy white, coppery rose centre.
Beau Carmine. Light rose color.
Bougere. Beautiful dark pink; sweet fragrance.
Bella. Pure white; superior for summer flowering.
Bianqui. White shaded flesh color.
Bon Silene. This splendid old variety is equally valuable for summer or winter blooming; average size and exquisite tea scent; color brilliant carmine.
Bourbon Queen. Clear satiny rose, shaded white.
Blanche Nabonnand. Creamy white, tinged yellow and rose.
Compte Bobinsky. Rich carmine; full.
C. Koch. Light flesh color; very double.
Camoens. Peach color.
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.
Cels. Pale rose color; good shaped buds.
Chas. Rovoli. One of our favorite varieties; color a beautiful carmine, changing to silvery rose; base of petals clear yellow.
Chas. de Legrad. Carmine red, edge of petals silvery white.
Chat. des Bergeries. Pale canary yellow.
Clement Nabonnand. Outer petals rosy lilac, inner ones golden yellow; free flowering and fragrant.
Comtesse Riza du Parc. Bright coppery rose, shaded violet crimson.
Comtesse de Frigneuse. Bright canary yellow.
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.

LUCIOLE. (See description below.)

- Douglas.** A true Bengal rose; dark rich crimson in color; buds of good shape; very free flowering.
Duchess de Brabant. Soft rosy flesh tint; flowers globular.
Duchess of Edinburgh. Intense dark crimson.
Etoile de Lyon. Golden yellow.
Exadelphe. Beautiful yellow; large and full.
Fairy Rose. Flowers carmine, the size of a dime.
Flavien Budilon. Delicate rose.
Gen. de Tartas. Brilliant carmine; shaded violet purple.
Geo. Peabody. Glowing crimson, changing to a scarlet shade.
Goubalt. Bright rose color, tinted buff; tea fragrance.
Harry. Pure white; a desirable variety.
Isabella Sprunt. Light canary yellow; largely used for winter blooming; buds medium size and good shape; very fragrant.
Jules Finger. Bright rosy scarlet, shaded with crimson.
La Chamoise. Color, bright coppery yellow.
La Nuancee. Fine salmon rose, tinged copper color.
La Pactole. Color pale sulphur yellow; tea fragrance.
La Phoenix. Red, shaded crimson; free bloomer.
La Sylphide. Beautiful cream color, shaded rose.
La Tulip. White, tinged rosy lilac; large and fragrant.
Letty Coles. Soft rosy pink, intense crimson in the centre.
Leveson Gower. Beautiful rosy salmon.
Louis Philippe. Dark rich crimson.
Lady Stanley. Bright coppery red, shaded terra cotta.
Luciole. Clear cherry red, rich golden yellow centre. (See cut.)
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. Pure white; a fine bedding rose. (See cut.)
Mme. A. Imbert. Color, rosy buff with peach-colored shadings.
Mme. Ched-Guinesseau. Dark golden yellow.
Mme. Cusin. Shell pink, shaded cream.
Mme. Remond. Sulphur yellow, margined red.
Melville. Bright pink, changing to silvery rose.
Mme. Honore Defresne. Clear golden yellow.
Mme. A. Etienne. Rosy claret, shading to pale rose.
Mme. A. Nabonnand. Light salmon, shaded rose.

GENERAL COLLECTION OF EVER-BLOOMING ROSES—continued.

WHITE BON SILENE. (See below.)

Mlle. C. Perreau. Bright silvery pink, shading to rosy carmine.
 Mme. Barthelemy Levet. Bright canary-colored flowers.
 Mme. Bravy. Rich cream color with pinkish centre.
 Mme. Camille. Delicate rosy flesh color, changing to salmon.
 Mme. Caroline Kuster. Beautiful light yellow, tinged with pink.
 Mme. Dennis. White, with yellowish centre.
 Mme. Devacourt. Bright canary yellow; deliciously perfumed.
 Mme. de Narbonne. Bright pink; profuse, full and fragrant.
 Mme. de St. Joseph. Finely shaped buds; deep pink.
 Mme. Falcot. Fine apricot yellow, tinged buff.
 Mme. H. Jamain. White shaded yellow and pink.
 Mme. Lambard. Rose color, tinged salmon and buff.
 Mme. M. Berthon. Pure white, shaded with lemon color.
 Mme. Maurice. Delicate flesh color; very large and double.
 Mme. Rachel. Pure snow white.
 Mme. Ristori. A good bedding variety; color deep blush.
 Mme. Welch. Apricot yellow, shaded canary color.
 Mme. Rivoy. Crimson scarlet.
 Mme. de Vatry. Dark pink.
 Mme. Angele Jacquier. Full and double; light blush.
 Miss Caroline. Rosy pink, shaded peach.
 Narcisse. Pale lemon yellow; free flowering; full and fragrant.
 Nina. Pinkish rose, shaded silvery white.
 Odorata. Beautiful blush tint; exquisite tea fragrance.
 Pres. d'Olbecque. Bright purplish crimson; good shape and habit.

Queen of Bedders. Dark crimson.
 Red Malmaison. Dark crimson scarlet.
 Rubens. Pale, lovely yellow, tinged with fawn color.
 Regulus. Crimson, pink and rose.
 Roi de Cramoise. Vivid scarlet crimson.
 Safrano. This is the ideal Tea Rose; buff color, tinted apricot yellow; exquisite fragrance and splendid bud.
 Souv. de David. Rich, rosy crimson; finely shaped buds.
 Souv. de Geo. Sand. Carmine, shaded amber.
 Souv. d'Un Ami. A splendid rose; clear, deep rose color.
 Souv. de Victor Hugo. Tawny red, shaded carmine rose. (See cut.)
 Souv. de Gabrielle Drevet. Salmon white, centre bright rose.
 Stella. Light yellow, full and sweet.
 Sulphureaux. A deep sulphur yellow; fine in the bud.
 Theresa Loth. Fine carmine red, with deep rose shading.
 Vallee du Chamounix. Copper color, shaded citron red.
 Viridiflora, or "Green Rose." Only grown as a curiosity; buds green in color; most useful to mix with other roses.
 White Bon Silene. A pure white "sport" from Bon Silene. (See cut.)

1st size, 50 cts. each; set of 100 varieties, \$37.50
 2d " 30 " " " " " 25.00
 3d " 10 " " " " " 10.00

All purchasers of this collection will receive our pamphlet on "Garden Culture of the Rose."

SOUV. DE VICTOR HUGO. (See above)

Hybrid Tea Roses.

A BEAUTIFUL class of Roses. They combine to a great extent the free flowering qualities of the Teas, with the rich colors, large size and exquisite fragrance of the Hybrid Perpetuals. To this race we are indebted for some of our most beautiful varieties, noticeably "La France," "Wm. F. Bennett," "Pierre Guillot" and "Camoens," while there is scarcely one in the entire list that is not a most valuable addition to our collection of roses. Hardy in this latitude with a protection of leaves or litter to a depth of six inches.

Beauty of Stapleford. Light pink; deep rosy centre.
 Duchess of Westminster. Color, bright cerise pink; large.
 Jean Sisley. Bright pink, shaded rosy lilac; very distinct.
 Nancy Lee. Dark silvery rose color; exquisite fragrance.
 Michael Saunders. Flowers very large; bronzy pink.
 Viscountess Falmouth. Pink and rose color.
 Mme. Etienne Levet. Vivid crimson; very profuse and fragrant.
 Pierre Guillot. Double, dark crimson.
 Camoens. Peach color; a beautiful variety.
 Brigitte Levet. Deep carmine; fine.
 Lady Mary Fitzwilliam. Full, globular flowers of a delicate flesh color; fragrant. 50 cts. and 75 cts. each.

Countess of Pembroke. Dark rosy pink; extra fine.
 Distinction. A distinct variety; color pink, shaded reddish amber.
 Wm. F. Bennett. Brilliant crimson, splendid buds.
 Duchess of Connaught. Silvery pink.
 Antoine Verdier. Brilliant dark pink; extra fine.
 Md. A. Bernaix. Deep clear rose; creamy white centre.
 Queen of Bedders. Fiery crimson scarlet.

Where the full set is taken we will add a plant of the New Rose, "S. de Wootton," gratis.

PRICES, EXCEPT WHERE OTHERWISE NOTED.

1st size, 50 cts. each; set 18 for \$6.00.
 2d " 30 " " " " " 4.50.

Our Peerless Collection of Twelve Hardy Roses,

As named and described below, are unequalled for hardiness, variety of color, form, fragrance and freedom of bloom.

THE "DINSMORE" AS IT GROWS IN THE GROUND.

The Dinsmore. The ever-blooming hardy crimson rose.—(See cut above, and page 106.)

American Beauty. Rich carmine crimson.—(See description, page 107.)

Anna de Diesbach. Dark rich pink; immense size.

Paul Neyron. Probably the largest of all roses; color, clear dark pink, shaded carmine. Form of flowers bold and handsome; very fragrant.

Countess of Oxford. Glowing carmine, long pointed buds. This variety blooms almost as freely as the tea varieties.

Capt. Christy. Delicate flesh color, large, full and double, very profuse; blooms from the time it is planted until frost.

Gen. Jacqueminot. Color, rich dark crimson. (See description on page 105.)

PERLE DES BLANCHES.

Magna Charta. Bright dark pink, very large and fragrant.

Beauty of Waltham. Bright rosy pink, shaded carmine.

Mrs. Laxton. Extra large and full, perfect form and richest fragrance; dark crimson, beautifully flamed with scarlet.

Perle des Blanches. One of the finest hardy white roses. Flowers of medium size, but produced in great masses. (See cut.)

Xavier Olibo. Dark velvety crimson, flamed scarlet, full and double; very fragrant.

Prices of the above in sets only:

Peerless Collection of 12, 1st size, extra large, \$9.00.

" " 12, 2d " 4.50.

" " 12, 3d " 3.00.

All purchasers of this collection will receive our pamphlet on "The Garden Culture of the Rose."

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.

TRUE ENGLISH SWEET BRIAR.

Valuable for the refreshing fragrance of its leaves. Price, 30 cts. each; \$3.00 per dozen.

Maréchal Niel.

We have probably the largest and finest stock of this unequalled green-house climbing rose in the United States. The immense size, dark golden yellow color of "Maréchal Niel" is familiar to all.

8-inch pots, canes 8 feet long, \$3.00 each; \$30.00 per dozen.

7 " " 6 " 2.00 " 20.00 "

5 " " 4 " 1.50 " 12.00 "

3 " " 2.5 " 2.25 "

Gloire de Dijon.

Next to **M. Niel** this is the finest pillar rose for the green-house. Very large, double, rich creamy amber color. Hardy south of Washington. Prices and sizes same as **M. Niel**—see above.

Noisette, or Climbing Monthly Roses.

Grand roses for the South, where they are entirely hardy. They may be kept out-doors in the North by laying them down and covering with leaves or litter.

Caroline Marniesse. Color white, and finely scented.

Claire Carnot. Orange yellow, with peach blossom centre.

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.

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.

Satina. Pink.

Washington (White). Pure white flowers in clusters.

1st size, 75 cts. each; \$7.50 per doz. 2d size, 50 cts. each; \$4.50 per doz. 3d size, 30 cts. each; \$3.00 per doz.

Hardy Climbing Roses

Valued for training up piazzas, trellises, fences, etc.

Entirely hardy. (See cut.)

Anna Maria. Large; rosy pink; full and fragrant.
Balt. Belle. Pale blush; very double.
Bennett's Seedling. Pure white; small flowers.
Climbing Jules Margottin. Large; dark red; full and fragrant.
Climbing Victor Verdier. Bright red, with purplish edged petals; large, full and globular.
Dundee Rambler. White, small flower; fine for rock-work.
Gem of the Prairies. Bright violet crimson; sweet fragrance.
Mrs. Hovey. Delicate blush, changing to white.
Triumphant. Light red; strong, vigorous grower.
Waltham. Dark crimson; full and double; hardy south of Washington.

1st size, \$1.00 each; set 9 for \$7.50
 2d " .30 " " 9 " 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. 1st size, \$1.00 each; \$10.00 per doz.
 2d " .60 " 6.00 "

Moss Rose, "Little Gem."

This beautiful little Moss Rose forms compact bushes literally covered with its small crimson flowers, which are heavily covered with moss. Perfectly hardy. (See cut.) Price, 1st size, \$1.50 each; 2d size, \$1.00 each; 3d size, 50 cts. each.

For other Moss Roses, see next page.

EXTRA LARGE Imported Roses.

(Hardy Hybrids.)

We offer this season a grand collection of the finest varieties imported from the most celebrated growers of England and France. They are large, strong plants, growing in 5 and 6-inch pots, and cannot fail to please the most fastidious.

BARONESS ROTHSCHILD.

Anna de Diesbach (Gloire de Paris). Rich carmine.*
Baroness Rothschild. (See cut and special description.)*
Beauty of Waltham. Bright rosy pink, shaded carmine.
Boule de Neige. Pure white, strong grower and free bloomer.
Countess of Oxford. Very profuse; soft rosy carmine.*
John Hopper. Bright rose, reverse of petals pale lilac.
Jean Liabaud. Dark velvety blackish crimson.
Merveille de Lyon. Extra large, bluish white.
Mme. Gabriel Luizet. Delicate silvery pink; beautiful shape; extra.
Mabel Morrison. Pure white; large flowers.
Magna Charta. Brilliant dark pink, suffused with carmine.*
Paul Neyron. Flowers five inches across; color, lovely dark pink.*
Prince Camille de Rohan. Dark crimson maroon, almost black.*
Persian Yellow. Hardy yellow. \$1.50 and \$1.00 each.
Queen of Queens. Pink, with blush edges; large and full.

1st size, \$1.00 each; set 15 varieties for \$12.00.

The varieties marked with a (*) we can supply a second size of at 60 cts. each; \$6.00 per dozen.

MOSS ROSE, "LITTLE GEM." (1/2 natural size.)

Hardy Moss Roses.

Capt. Ingraham. Brilliant carmine.
Comtesse de Murinais. Large, pure white. \$1.00 each.
English. The Red English Moss Rose.
Henry Martin. Fine bright pink.
Hortense Vernet. Rosy carmine.
Luxembourg. Crimson scarlet.
White Bath. Pure white; \$1.00 each.
 1st size, 75c. each; \$6.00 per set.
 2d " 50c. " 4.50 "
 3d " 30c. " 3.00 "

Ever-Blooming Moss Roses.

HARDY.

This class of Moss Roses is quite different from the regular Mosses, which only bloom once. The perpetuals flower very freely in June, blooming again in the fall.

Blanche Moreau. Pure white.
James Veitch. Deep crimson.
Little Gem. See cut and description, page 111. \$1.50 each.
Mousseline. White, tinted with rose.
Perpetual White. White, blooming in clusters. \$1 each; set 5 for \$5.

TYPE OF HARDY ROSE.

TYPE OF HARDY ROSE.

Hybrid Perpetual or Hardy 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.
Achille Gounod. Bright carmine; full and double.
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.
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.
Eugene Sue. Bright vermillion, 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 description, page 105.)
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.

Marquise de Ligneris. Bright rose; richly perfumed.
Mme. Alf. Carriere. Pure white.
Mme. Isaac Perrier. Full and double; brilliant crimson.
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. Reynolds. Very large flowers; color, bright carmine.
Mme. Marie Bianchi. White, crimson in centre.
Mme. P. Languier. Silvery pink; rich fragrance.
Pæonia. Sweetly fragrant; color, clear bright red.
Pres. Thiers. Flaming red; large sized flowers; full and globular.
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. Wolseley. Bright red, shaded carmine.
Sydonie. Violet crimson.
Triomphe d'Alencon. Dark crimson rose.
Triomphe de Reims. Light rose color.
Victor Verdier. Brilliant rosy carmine, edged purple; extra large.

1st size, 50 cts. each; set 45 varieties, \$18.00.
 2d " 30 " " 45 " 12.00.
 3d " 15 " " 45 " 6.00.

New Golden Spotted Abutilon.

"ECLIPSE,"

This novel and distinct variety is well shown in the engraving below. The leaves are beautifully spotted with golden yellow on a green ground. The flowers are orange yellow, and are produced abundantly. It is an excellent plant for edging foliage beds, and as a basket or vase plant is unsurpassed, while as a specimen in the window or conservatory it has few equals. (See cut below.) Price, 30 cts. each; \$3.00 per dozen.

The plant shown on the above engraving is our Double White Ivy Geranium, "Joan of Arc," which is offered on page 133 at 30 cts. each; \$3.00 per doz.

Black Calla Lily.

(ARUM SANCTUM.)

A rare species from the Holy Land, and offered for the first time in this country, we believe, by us. The flowers are about 14 inches long, from tip to base, and about 4 inches broad at the widest part, gracefully curving to a small point. They have a strong *violet-like* odor, are a deep velvety purplish maroon—almost black—on the upper side, and moss-green underneath; being convoluted like a sea shell, both colors are visible, the result being a unique and beautiful effect, which, when once seen, will be long remembered. The flower springs a spike ten inches long, of the most intense glossy black. The plant is stately and elegant color of the flowers stamping it as one of the most wonderful productions of nature. Price, \$2.00 each.

ABUTILON, "ECLIPSE"

THE BLACK CALLA LILY.

The plants looked just as fresh as if they had been taken from your green-houses only a few minutes. The third size Roses were large, healthy plants, and some of my friends, who had already ordered from another house, said they were sorry they had not sent to you.—BRUCE ARMSTRONG, Knoxville, Tenn., April 7th, 1889.

THE New French Ever-blooming Cannas

(A FEW OF WHICH ARE SHOWN IN COLORS ON THE FRONT PAGE OF COVER OF THIS CATALOGUE).

TYPES OF NEW FRENCH EVER-BLOOMING CANNAS.

ARE likely the present season to be the most popular of all bedding plants. No plant is more easy of culture—growing and flowering in almost any soil or situation from the time of planting out in May or June until cut down by frost in late fall. If desired, they may be lifted and put in large pots or boxes, and kept in bloom during the entire winter in green-house or window garden, for they are never out of bloom when kept growing. For beds on lawns, or in front of shrubbery, nothing is so desirable, as their glowing colors of crimson, yellow, scarlet and orange can be seen at a great distance. Their average height is from 3 to 5 feet. We had a bed of 3,000 plants on our grounds at Jersey City the past season, which was admired by thousands. When not wanted for flowering in winter, they should be lifted after they are cut down by frost in fall, and stored away in a cellar, just like dahlias or potatoes, when they can be divided and planted again in May or June. (*See cut.*)

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. Cardieux. 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.

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, strong roots, 30c. each; or \$3.00 for set of 12, as named above.

NEW AND SCARCER SORTS OF RECENT IMPORTATIONS.

Gerard Audran. Rich vermilion; throat spotted yellow. \$2.00 each.

Geoffrey St. Hillaire. A grand variety. Large orchid-like flowers of a deep glowing orange shade; very large flower spike; foliage chocolate colored. \$2.00 each.

Cousancat. Upper petals orange red, lower ones carmine crimson. A very free bloomer.

Mirabeau. Rose carmine, lower petals blotched pink on a yellow ground.

La Mascotte. Deep carmine, the base of the petals beautifully spotted with yellow.

Mont d'Or. Brilliant flame color, with orange shades.

Grandiflora Picta. Bright golden yellow, spotted brownish red. \$2.00 each.

Louis Thibaud. A curious blending of orange and carmine—unlike the color of a "Bon Silene" rose. Very free flowering. \$2.00 each.

Price, \$1.00 each, except where noted; set of 8 for \$10.00.

The French Cannas sent by express arrived O. K., and are very satisfactory. I expect the best results from them, and take this occasion to thank you for the liberal spirit manifested in filling my order.—W. R. E. BERTH, Bedford Park, N. Y., July 18th, 1889.

✧ Chrysanthemums. ✧

"THE OSTRICH PLUME"

CHRYSANTHEMUM (Mrs. Alpheus Hardy).

CHRYSANTHEMUM, "MRS. ALPHEUS HARDY."

NO engraving can do justice to the unique and peerless beauty of this new Chrysanthemum. Imagine plants completely studded with balls of flowers one foot or more in circumference, whose petals curve gracefully inward, and which in turn are dotted with a peculiar hairy or plume-like growth—the whole resembling more than anything else masses of **Snow White Ostrich Plumes**, and you then begin to form some idea of the beauty of this royal flower. Yet a description only partly conveys to the mind the singularly novel and beautiful effect produced by this rare development, and falls far short of the reality, which is so softly beautiful—and withal so fantastic—as to be unapproached by anything we can recall, unless it be the exquisite frost tracery seen upon glass in cold weather. No garden or collection of Chrysanthemums will be complete this season if it does not contain the **Ostrich Plume Chrysanthemum**.

Price, strong plants, 40 cts. each ; 3 for \$1.00, 7 for \$2.00, 12 for \$3.00.

Second size plants, 20 cts. each ; \$2.00 per dozen.

The plants ordered by me, and sent by you on April 15th. arrived safe and in good condition. They are entirely satisfactory. The Chrysanthemums are fine plants, and you have given good measure and running over.—N. SHERRARD, Washington, Pa.

Mrs. Andrew Carnegie.

THE variety shown in the above engraving was the undisputed winner of the silver cup offered by the lady in whose honor it is named, as a prize to be awarded to the finest American grown seedling in 1888. It was not only the best exhibited, but is conceded to be far superior to anything before offered in its color. The size of the flower is enormous—frequently seven to nine inches in diameter, and four to six inches deep. The petals are of strong, heavy formation, and are arranged as shown in the cut. Color, blood red, relieved with shades of lighter crimson; a strong growing and exceedingly handsome variety. (See cut.) Included in the **FIRST PREMIUM GROUP**.

Price, 50 cts. each; \$4.50 per dozen.

The First Premium Group

OF
CHRYSANTHEMUMS

for 1890.

THE above title we give to the twelve grand varieties named below, every one of which has taken **First Premium** at the various exhibitions as the best in their class and color. From the peerless **Ostrich Plume** variety, with which we head the list, to the one last named, all are varieties which show points of excellence in form, color and general desirability over anything hitherto offered, and as such have established their claim to the title of the **First Premium Group**.

The **Ostrich Plume Chrysanthemum** (Mrs. Alpheus Hardy). (See cut and description on preceding page.) 40 cts.

Mrs. Andrew Carnegie. (See cut and special description.)

Lillian B. Bird. (See cut and description on next page.)

Ettie Lane. (See cut and description, page 118.)

Kioto. The color is deep yellow, with a peculiar waxy lustre; petals incurved and twisted; a free bloomer.

Mrs. Fottler. Clear soft rosy pink, similar in shade to the "La France" rose. Large, full double flowers, composed of long pointed petals, opening flat at first, but developing into a large feathery bloom of great beauty.

Medusa. Large pure white flower, of a most peculiar form. The petals are ribbon-like, very long and drooping. A well grown plant of this variety is a most striking object, appearing as though hung over with masses of silken threads.

Mr. H. Cannell. Large, finely-formed flowers of the most intense yellow, regularly and gracefully incurved. This is, perhaps, the finest large yellow variety extant.

The Bride. A magnificent pure white variety of the largest size and perfect form, splendidly incurved. For purity of color, size, form, and all the essentials of a fine Chrysanthemum, this variety is probably unsurpassed.

Empress of Japan. This is another grand white, differing in shape and tone of color from the preceding. Long graceful petals, incurving to the centre.

Mrs. John Wanamaker. Large incurved blooms, silvery rose outside and deep carmine within. A grand variety for exhibition purposes.

Hon. E. H. Fitler. A grand yellow variety of the largest size, incurving in the same manner as "Mrs. C. H. Wheeler."

Price, 50 cts. each, except where noted. **First Premium Group** of 12 sorts for \$4.50.

The Oriental Group

OF NEW

Chrysanthemums

For 1890.

THE group of Chrysanthemums below named was selected by our agent in Japan last season, and flowered by us in the autumn of 1889. We offer them now for the first time under the title of **THE ORIENTAL GROUP**, as they were selected from the finest Eastern collections. Taken as a whole they represent every type and variety of the Japanese section, with some markedly distinct and novel departures in form and color. Many of them will unquestionably become standard sorts, as did the collection from the same source sent out by us two years ago.

Arabian. Piped petals; lilac rose, tipped carmine.

Ben Hur. Long silken petals; beautiful pink; large flower.

Brahma. Large; pure white; forked petals.

Cashmere. Long wavy petals; orange scarlet, tipped golden yellow.

Damascus. Flat petals; scarlet and yellow.

Delhi. Orange and yellow; delicate wavy petals.

Ismail. Pure white; fine petals, like a cotton ball.

Java. Crimson purple; petals thin and tipped lilac.

Khivia. Fine petals—one half white, the other lilac.

Lallah Rookh. Buffish carmine piped petals, the tops showing a tendency to develop hairs. \$1.00 each.

Mahomet. Deep golden yellow.

Mecca. Yellow piped petals, ends forked.

Mokanna. Yellow long piped petals.

Nineveh. Lilac rose, inside darker; very fine.

Omar. Very dark ox-blood red.

Palestine. Deep golden yellow; long drooping petals.

Queen of Sheba. Brilliant carmine; inside petals fringed.

St. Sophia. Large lilac; extra fine flower.

Syria. Extra large yellow, penciled carmine.

Saracen. Medium white flower, lasting a long while in flower.

Saladin. Long ribbon-like petals; looks as if dusted with gold.

Turcoman. Piped petals; pure white.

Vishnu. Anemone flowered; outer petals pure white.

Vizier. White anemone flowered, outer petals long and curled.

Price, 50 cts. each, except where noted; the **Oriental Group** of 24 sorts for \$9.00, to which we add the **Ostrich Plume** variety described on page 115.

Lillian B. Bird.

THE engraving shows exceedingly well the striking peculiarity of form developed in this grand acquisition. The petals are long and quilled, disposed in the graceful style shown in the cut. The color is the popular and fashionable shade known as "shrimp pink," which alone stamps it as a variety of rare merit, as this shade has been eagerly looked for in Chrysanthemums for some time. (See cut.) Included in the **First Premium Group**—see page 116.

Price, 50 cts. each; \$4.50 per dozen.

The Culture of the Chrysanthemum.

On page 145 we give plain and clear directions how to cultivate the Chrysanthemum, and we have no doubt that if these simple instructions are followed, our customers will have no difficulty in getting a grand show of flowers from our plants.

The plants arrived here safely March 12th, and I hardly know which to admire most, the size and condition of the plants, or the generosity of the extras.—T. V. BARNES, Bismarck, Dakota, March 14th, 1889.

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.
Bouquet Nationale. Pure white, tinted lemon.
Elaine. Pure snow white; large and full.
Mrs. Brett. Twisted golden petals.
Mad. Grame. Pure white, beautifully incurved.
Gloriosum. Bright sulphur yellow.
Geo. Glenney. Clear golden yellow; incurved.
Golden Lace. Pure yellow, finely cut petals.
Grace Attick. Pure white, quilled petals.
Mrs. J. H. Taylor. Pinkish lilac, very early.
Mrs. John Laing. Orange, old gold and bronze.
Mr. Wm. Barr. Bright crimson, shading to golden yellow.
Norma. Blush white, tipped rose.
Ophir. Deep golden yellow, tipped bronze.
Penelope. Rosy pink; large and full.
Sonce d'Or. Intense yellow, shaded old gold.
Timbale d'Argent. Pure white, large anemone flower.
Golden Rayonnante. Sulphur yellow.
Precocite. Small, white, very early.
Mlle. Lacroix. Similar to above, but larger.
King of Crimsons. Deep red.
Jeanne d'Arc. Blush white.
Sœur Melaine. Pure white, fringed, fine habit.
Chas. Delmas. Brick red, with fiery shading.
 Price, 15 cts. each; set of 25 early sorts for \$3.00.

New Seedling, "Ettie Lane."

THIS variety was awarded the premium as the best and most distinct variety exhibited at the exhibition held in Philadelphia in the fall of 1888, and we at once bought the entire stock. It is, perhaps, the best example of the new race of quilled varieties with broad petals, as shown in the cut. The color is a silvery white at the base of the petals, gradually deepening to rosy pink at the tips, the openings at the ends being deep claret. (See cut.) Included in the **First Premium Group**—see page 116.

Price, 50 cts. each; \$4.50 per dozen.

✦ Cream ✦ Collection ✦

(LATELY INTRODUCED.)

Below we offer, at reduced rates, the *cream* of our last year's *New* and *Imperial* collections, to which we add other sorts of special merit, now offered by us for the first time.

Mandarin. Deep Indian red.
Mrs. Jessie Barr. Pure white.
Bartholdi. Deep rosy pink, deepening to light maroon.
Gladiator. Deep crimson; fine.
Volunteer. Light pink, striped white; one of the earliest and best.
Leopard. (See cut and special description.)
Geo. Pratt. Deep crimson, like the Gen. Jacq. rose; large flower.
Gladys Spaulding. Clear brassy yellow; bright and attractive.
John Thorpe. Deep crimson lake; a splendid variety.
Mrs. T. H. Spaulding. Purest snow white; broad petals, twisting to the centre.
Mrs. J. N. Gerard. Beautiful silvery pink, the finest of its color.
President Hyde. Rich yellow; curiously twisted petals.
Puritan. Whited tinted lilac; a unique and beautiful variety.
Sokoto. Clear golden yellow; large and full.
Triomphante. Large, twisted; rosy pink; a very pleasing shade.
Phœbus. Large handsome yellow.
Prince Kamoutski. Large incurved flower, deep crimson and coppery bronze.
Lividia. Large white; finest form in the anemone section.

Price, 20 cts. each; set of 18 for \$3.00.

Spotted Chrysanthemum, "Leopard."

The engraving 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. (See cut.)

Price, 25 cts. each; \$2.25 per dozen.

NEW SPOTTED JAPANESE CHRYSANTHEMUM, "LEOPARD." (1/2 Natural size.)

"Mrs. S. Humphreys."

$\frac{1}{2}$ NATURAL SIZE.

This is, we think, without exception the best white Chrysanthemum yet seen in this country, being of the largest size, unequaled in form, and of the purest white. 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 Christmas and Exhibition Collection.

Price, 40 cts. each; \$4.00 per doz.

"Exhibition" Collection.

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. We have remodeled this collection by the addition of some of the very best sorts extant, replacing some of the less attractive varieties. This group of Chrysanthemums as now offered will be sure to give satisfaction to purchasers.

Admiral Lewis. Deep wine color, very large and showy.

Brazen Shield. Deep brassy yellow, bronze centre.

Edwin Molyneux. Rich mahogany crimson, reverse of petals golden; broad petals, very large flower; a grand sort.

Edna Craig. Large; pure white; one of the best.

Grandiflorum. Bright golden yellow; very large flower; very fine.

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.

Jardin des Plantes. Large; splendidly incurved; pure yellow; a grand variety.

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.

Mrs. Geo. Bullock. Large; pure white; extra fine.

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 8 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.

Mrs. Humphreys. 40 cts. (See special description and cut.)

Mme. C. Audiguer. Clear rosy pink; very attractive.

M. L. Fabre. Delicate silvery pink; large and fine.

Mr. H. Waterer. Deep yellow, base of petals deep apricot.

Nelly 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.

Soleil Levant. Pale lemon yellow; quilled petals; very large flower, often attaining 10 inches in diameter.

Thorpe Junior. Golden yellow; anemone flowered.

Val d'Andorre. (*Syn. Gaillardia*.) Dark red, pointed golden yellow; large and compact.

25 cts. each, except where noted; set of 30 for \$4.50.

We put in free a plant of the **Ostrich Plume** variety when the entire collection is taken.

"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.

Cullingfordii. Dark mahogany crimson; extra fine.

Comte de Germiny. Old gold and Indian red; extra.

Frank Wilcox. Rich golden amber.

James Salter. Clear golden yellow; beautifully incurved.

Jennie Y. Murkland. Bright apricot yellow; very fine.

Julius Cæsar. Rich red, shaded terra cotta.

Lakme. Light bronze red; very showy and distinct.

La Nympe. Rich salmon pink; very attractive.

M. A. Vilmorin. Soft creamy white; fringed.

Mollie. Soft creamy white; twisted petals.

Mons. Raoux. Dark crimson red; very double.

Mons. Boyer. Lilac rose; shaded white; curled florets.

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.

Mrs. Humphreys. 40 cts. See description.

Sultan. Bright crimson quilled petals; very fine.

Talfourd Salter. Rich crimson and golden bronze.

Yellow Eagle. Deep golden yellow, ribbon-like petals.

Price, 20 cts. each; set of 21 late blooming varieties for \$3.00.

CHRYSANTHEMUMS.—General Collection.

We have selected the varieties below named from among the hundreds we grow, as embracing the greatest variety of form and color to be found outside of those offered in the various groups and collections on the preceding pages. We have taken particular pains to offer a full assortment in the **Chinese** class—which is rapidly growing in popular favor. The **Japanese** and **Pompone** collections are also very carefully selected—all being standard sorts and certain to make a fine display.

TYPE OF JAPANESE VARIETIES.

Japanese Varieties.

(RAGGED OR FLUFFY.)

- Blooming Rose.** Bright rosy pink.
- Fascination.** Large, white, pink centre.
- Fulton.** Clear bright yellow; long twisted petals.
- Spiralis.** Creamy white, shading to deep pink.
- Gen. Arthur.** Large rosy pink.
- Tecumseh.** Deep Indian red.
- Miss E. A. Jacqueth.** Rich crimson, edged golden; 15 cts.
- Delie.** Large creamy white.
- Geo. Sand.** Bronzy pink, yellow centre.
- M. Mousillac.** Deep chestnut brown, shaded scarlet; 15 cts.
- Tensia.** Light yellow, shading to white.
- Mrs. Lord.** Clear yellow; fine petals, twisted like tangled mass of silken threads; 15 cts.
- Le Tonkin.** Flesh white, tinged and shaded rose.

- Grand Mogul.** Violet amaranth, lined with white.
 - Lorraine.** Rich golden yellow.
 - Wenonah.** Silvery white, tipped rosy pink.
 - Yeddo.** Long twisting petals; bright yellow; 15 cts.
 - Rob Roy.** Centre orange, shaded red.
 - Margaret of York.** Anemone sulphur yellow; large and fine.
 - Japonica.** Large brilliant red.
 - Sec. Barotte.** Deep bronzy orange.
 - Striata Perfecta.** White, striped rose.
- Price, 10 cts. each, except where noted.
Set of 22 fine varieties for \$2.25.

TYPE OF CHINESE VARIETIES.

Chinese Incurved Varieties.

- 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 bluish white.
- Refulgens.** Rich purplish maroon.
- Virgin Queen.** Soft creamy white; incurved.
- Nil Desperandum.** Dark red and orange.
- Hero of Stoke Newington.** Rosy bluish, shaded purple.
- Saint Patrick.** Bronzy red; very fine.
- Mrs. Heale.** Creamy white; exquisite form.
- Fingal.** Rose violet, with lighter back; very showy.
- Helen of Troy.** Soft, attractive shade of pink.
- Lord Mayor.** Clear white, shaded rose and violet.
- Diana.** Clear white; compact flower.
- Troubadour.** Beautiful light pink.
- Pink Venus.** Lilac peach; large and beautiful.
- Golden John Salter.** Beautiful golden yellow.
- Golden Empress.** Deep brassy yellow.
- Lady Carey.** Large rosy lilac with silvery back. Price 10 cts. each; set of twenty-two fine sorts for \$2.00.

TYPE OF POMPONE VARIETIES.

POMPONE OR BUTTON VARIETIES.

- Arbre de Noel.** Deep orange, shaded red, tipped yellow; finely fringed.
- Black Douglas.** Dark maroon red; striking in color; deeply toothed petals.
- 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.
- Princess Meletia.** Fimbriated white; very beautiful.
- Snowdrop.** Pure white; flowers like miniature snow balls.
- White Bedder.** Small, pure white, very early flowering.

The full set of 185 kinds of Chrysanthemums, new and old, as named, for \$25.00.
A collection of 100 distinct sorts, of our selection only, for \$8.00.

Some time ago I received, in first-class order, some Chrysanthemums, and again to-day, also in first-class order, some Geo. Pratt Chrysanthemums, for which please accept thanks.—E. J. LADD, Portland, Oregon, April 13th, 1889.

✧ The Five Hardy Clematis ✧

(SHOWN ON FRONT PAGE OF CATALOGUE COVER)

ARE offered as combining the greatest contrast of color to be found in this grand class of hardy climbing plants. Every year the **Clematis** is becoming more popular, and few gardens of any pretensions are now to be found without one or more varieties.

Clematis Coccinea is the scarlet variety shown. Price, 30 cts. each.

Clematis Flamula is the small sized flower shown to the left of the page. It forms immense trusses of pure white, and is of exquisite jessamine-like fragrance—a single plant in the evening perfuming the air hundreds of feet distant. Price, 30 cts. each.

Clematis Jackmanii is the deep purple variety shown. Too much cannot be said in praise of this grand sort. If only one kind is to be planted we would recommend this one. Price, \$1.00 each.

Clematis The Queen is the lavender-blue variety, and is very pleasing to contrast with the others. Price, \$1.00 each.

Clematis Henryii is the large, pure white sort, but the picture falls short of nature. Price, \$1.00 each.

Strong plants as above—the set of five, as shown on front page of Catalogue cover, for \$3.00.

For General Collection of Clematis see p. 131.

New Golden Coleus, "Golden Verschaffeltii."

(MRS. HAYES.)

In this grand Coleus, now offered by us for the first time, we have at last succeeded in procuring a pure yellow variety, which, unlike Golden Bedder and others of that color, may be depended upon to grow evenly and vigorously. Planted side by side with the well known **Crimson Verschaffeltii** in our grounds the past summer, it held its grand golden color the entire season. It is the equal of the celebrated **Crimson Verschaffeltii** in all respects—having the same vigorous constitution, and graceful wavy foliage, deeply serrated; it fills a long felt want and is undoubtedly the best Coleus introduced in years—we predict that it will entirely supplant "Golden Bedder" and all other yellow Coleus.

Price, 25 cts. each; \$2.00 per doz.; \$12.00 per 100.

Hardy Garden Carnations, Our Imperial Strain.

We make a specialty of this exceedingly useful class of plants, and by constant selection of the finest sorts for seed purposes have developed the magnificent varieties which we offer under the title of our *Imperial* strain—types of which are shown in the accompanying engraving. They 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, 25 cts. each; \$2.25 per dozen. Strong, healthy plants.

We offer a *second quality* selection of the above embracing all colors and shades—very desirable, but not equal to our *Imperial* varieties. Price, 15 cts. each; \$1.50 per dozen. In quantities for large flower beds and borders, \$8.00 per 100.

TYPES OF OUR "IMPERIAL" HARDY GARDEN CARNATIONS.

I received my plants yesterday. They were in fine condition and I was much pleased with them. The large plants as well as the liberal supply of extras are thoroughly appreciated and entitle you to heartiest thanks.—LIZZIE DRAGGS, Fennimore, Wis., April 16, 1889.

DOUBLE WHITE DAHLIA, "CAMELLIAFLORA."

Double White Dahlia,

"Camelliaflora."

(Ready April 15th.)

IN the variety shown in the above engraving we offer the finest Dahlia of its color as yet introduced. Not only is it among the best for the garden, but when grown in large pots it may be had in flower during fall and winter in the conservatory or window garden. The plants grow to a uniform height of about two and a half feet, and are literally covered with its pure snow-white flowers during the entire season. (See cut.) Price, 40 cts. each; \$4.00 per doz.

Twelve Grand Double Dahlias.

(Ready April 15th.)

The twelve varieties named below embrace the best sorts of recent introduction, and contain the most distinct and novel colors to be found in this section.

Camelliaflora. (See cut and description above.) 30 cts.

Emperor. Large deep crimson variegated with pure white; a novel and distinct sort. 30 cts.

Electric. A dazzling crimson scarlet of the Cactus type, undoubtedly the best of its class.

Floral Beauty. Large perfectly shaped flowers of a rich salmon pink shade.

James Walton. Deep maroon; large splendid flowers.

Memorandum. A distinct shade of light pink; very free bloomer and large finely formed flower.

Meteor. Brilliant deep red; perfect form; very free bloomer.

Mercedes. A grand variety; silvery white at the base of the petals, gradually merging into a rosy lilac—forming a unique and beautiful combination of colors. 30 cts.

Mrs. Wilson. Deep brassy yellow, each petal tipped light bronze.

Maroon Beauty. Purplish maroon; dwarf habit; profuse bloomer. **Sunset.** Deep bronzy red shading to rich golden yellow at the base of the petals—not unlike a brilliant autumn sunset.

Vesuvius. Light dazzling scarlet; medium sized flowers; very showy in summer bouquets and vases of flowers.

Price, 25 cts. each, except where noted. Set of Twelve Grand Dahlias for \$3.00.

DOUBLE RED DAISY, "Longfellow."

This charming little hardy plant, with its wealth of dark red blossoms, deep green buds and glossy leaves, makes an unusually attractive appearance when set out in borders, where there is partial shade, on graves in cemeteries, or in any situation where a low growing, hardy plant is desired.

Price, 15 cts. each; \$1.50 per dozen; \$8.00 per 100.

Double White Daisy. As a companion plant to the above this variety is indispensable. Price, 10 cts. each; \$1.00 per dozen; \$6.00 per 100.

Double Mixed Daisies. Shades of red, pink and white. Price, 10 cts. each; \$1.00 per dozen; \$6.00 per 100.

Eulalia Gracillima.

A grand hardy plant. Foliage very narrow and of a beautiful green color, midrib silvery white. This variety is not only very useful as a hardy plant, but also very desirable for vases or pot plants for decorative purposes, being even more beautiful than "Dracena Indivisa," and much more cheaply grown, as it is perfectly hardy, standing our severe winters without protection. We believe this to be one of the most valuable hardy plants in existence. (See cut.) Strong roots, \$1.00 each; \$9.00 per dozen.

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 size, 30 cts. each, \$3.00 per dozen.

Eulalia Japonica Var. An older variety than the Eulalia Japonica Zebrina. Leaves striped white and green longitudinally. Next to the above, 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. Set of three Eulalias, 1st size, \$1.50; 2d size, \$1.00.

EULALIA GRACILLIMA. (See description above.)

Plants arrived in beautiful order. Many thanks for extras; they all look as if they had been grown in one of our own green-houses; they are so fresh and nice.—Mrs. SUE G. PREISITT, Richmond, Ky.

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 dozen.

NEW Hybrid Gloxinias.

We offer this year a grand assortment of the above, specially selected for us from a prize European collection. They are among the handsomest of our summer blooming plants, the rich and varied coloring of the flowers being beautiful in the extreme, many of them beautifully speckled; flowers, 3 inches long by 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. They attain the greatest perfection if grown in light, rich soil in a shady, well ventilated frame. 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 greenhouse, or any warm place where they don't get wet.

40 cts. each; 3 for \$1.00; \$4.00 per doz.

Genista Canariensis

NEW HYBRID GLOXINIA

Is the plant shown in the engraving below, which, although not new, has become very fashionable in New York the past year or two—well grown plants selling at from five to fifteen dollars each. Few plants are more deserving of popular esteem. The engraving shows a plant just coming into bloom, with a spray almost natural size showing the flower and foliage. The flowers are pure golden yellow and literally cover the plant when well grown, suggesting the title of "Fountain of Gold." (See cut.)

Price, first size, plants from 5-in. pots, \$1.00 each; \$9.00 per doz.
" second " " " 3 " " 35 cts. " 4.00 "
" third " " " 2 " " 25 " " 2.35 "

GENISTA CANARIENSIS.

NEW FUCHSIAS.

Below we offer the best of the new varieties of 1889 and 1890. Space will not permit us to give them as much notice as they deserve.

Annie Earle. Carmine corolla; waxy white sepals; single.

Benjamin Pearson. Crimson and purple corolla; sepals rosy red; single.

Lovely. Crimson corolla; sepals white; single.

Mon. P. Mortignat. Violet corolla; red sepals; double.

Nancy. Violet and blue corolla; red sepals; double.

Nellie. Flesh colored corolla, shaded mauve; creamy white sepals.

Rosains Patrie. White corolla; rosy carmine sepals; double.

Surprise. Pale magenta corolla; dark border; waxy white sepals; single.

Edmund About. Corolla white, tinted rose; vermilion sepals; double.

Ernest Renan. Rose colored corolla; rosy white sepals; single.

Count Leon Tolstoi. Bluish black corolla; dark scarlet sepals; double.

Lord Lyons. Prune colored corolla; crimson sepals; single.

Pres. Carnot. Violet corolla; wine red sepals; double.

Mrs. E. G. Hill. Flowers very large and freely produced; corolla pure white and double; sepals dark red. A fine variety.

Price, 50 cts. each; set of 14 grand new Fuchsias for \$6.00.

New Geraniums

OF THE SEASON.

Bonne de Lamberterie. Soft rosy flesh color; trusses good size; florets very large, semi-double.

Centaure. Brilliant rose throughout; enormous truss and florets; a vigorous grower and superior variety.

La Fraicten. A beautiful shade of rosy pink, strong, vigorous grower; a splendid bedder.

Le Cid. This magnificent variety is brilliant crimson red—undoubtedly the finest of its color. It is pre-eminently adapted for bedding by its compact, vigorous habit and its free flowering qualities.

M. David. Semi-double; bright carmine rose, upper petals specked with white.

Meteor. Brilliant red; fine truss and floret.

Pres. Dutailly. Very dark amaranth, bordered with maroon; upper petals marked with purple.

P. Siebert. Dark, deep red; large, well formed trusses; a profuse bloomer and strong grower.

Albert Deleaux (Single). Beautiful flesh color distinctly marked with carmine rose; upper petals marked with white.

Chancellor Commander. Very dark crimson, heavily shaded with plum; base of upper petals marked with orange; clear white eye, very distinct.

Alphonse Daudet. Bright salmon, deepening to an intense shade of the same color in the centre; immense truss; habit of plant strong and vigorous; the best Geranium of its color.

Palais de L'Industrie. The body of the flower is deep blush, shading to rosy claret at the centre; the upper petals are very clearly marked with the latter color. A decidedly novel and distinct sort.

Price, 50 cts. each; set of 12 sorts for \$4.50.

For other Geraniums, see page 133.

Double Pink 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 a plant in miniature. 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 dozen.

Fine	"	"	3	"	1.00	"	9.00
"	"	"	2	"	.50	"	5.00

New White Fringed Hydrangea.

(*Hydrangea Stellata Fimbriata.*)

This beautiful Hydrangea forms flowers in immense trusses, sometimes nine inches in diameter; the bracts are of the purest white, fringed, having a crimson spot in the 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 three to four feet.

Price for large stock plants, \$2.00 each. Fine plants in 4-inch pots, 75 cts. each; \$7.50 per doz. Strong plants in 3-inch pots, 50c. each; \$4.50 per doz. In 2-inch pots, 30c. each; \$3.00 per doz.

The two new Hydrangeas, in large stock plants, for \$4.00.

"	"	4-inch pot	"	"	2.00.
"	"	3	"	"	1.25.
"	"	2	"	"	.75.

For other Hydrangeas, see page 135.

DOUBLE PINK HYDRANGEA.

PASSIFLORA "JOHN SPALDING"

NEW GOLDEN

SPOTTED

Passiflora,

"John Spalding."

The beautiful novelty shown in the accompanying engraving, now offered for the first time, is a "sport" from the well known "Constance Elliott." It originated with the gentleman whose name it bears, and we were fortunate in procuring the entire stock. It inherits the hardiness, freedom of growth and exquisite pure white fragrant flowers of the parent variety, with the added beauty of foliage beautifully marked with bright golden yellow, as shown in the cut. It is hardy in most places, and will be useful for cemeteries or wherever a climbing plant is wanted, while as an ornamental drooping plant for baskets or vases it is unsurpassed. (See cut.) Price, 50 cts. each; \$4.50 per doz.

New Double Fringed Petunias.

(See colored plate on page 55.)

For years we have devoted special attention to the culture of the Double Petunia, and that our efforts have been crowned with success will be readily attested by the thousands of our customers who purchase the seeds and plants annually from us. The varieties named below have been selected from thousands of plants we had on trial this season and are certainly the finest collection we have ever offered. These grand **Double Fringed Petunias** are as easily cultivated as the ordinary kinds, and will thrive in any ordinarily rich garden. They should be staked up for protection from violent summer storms.

Badge. Deep violet crimson, reverse of petals silvery gray, very deeply cut and fringed. A unique and desirable variety.

Bessie June. Pure white, blotched with carmine lake, elegantly fringed.

Cameo. Flesh white, suffused with rosy pink varying to lilac at the centre. Gracefully cut and fringed.

Bertha Morse. A beautiful variety with crested petals fantastically cut and fringed—not unlike the antlers of a stag in outline. Color, light claret, irregularly distributed on a pearly white ground. (See cut.)

Druidess. Rich wine color, margined with blush white. In some flowers this arrangement of color is reversed, the deep color being on the ends of the petals. Beautifully fringed.

Gwendolen. The body of the flower is rosy carmine, frequently marked with a distinct band of pure white on the edge of the petals, while in some flowers the colors merge into a delicate shade of rosy blush.

June Day. The major portion of the flower in this elegant variety is clear pearly white, which is blotched with deep magenta—almost crimson in the sunlight. A variety so bright and attractive, that a glance at it suggested its name.

Katrina. A deeply fringed variety of beautiful form. The color is best described as the shade known as "dregs of wine," irregularly veined and splashed with white, deeply cut and fringed.

Mariposa. Pure fringed white, the inner petals prettily marked with deep lavender.

Mrs. Hattie Andrews. Large, full, double flower; color, a very rich shade of intense violet maroon.

Mary Trenaman. A pleasing shade of rosy pink margined with snow-white. In portions of the flower the colors gradually blend into a bright blush very pleasing to the eye. An unusually handsome variety.

Mrs. G. D. Coleman. Not new, but worthy of a place in the collection. Pure white—fringed.

Speckled Beauty. Blush white, thickly studded with wine colored spots of variable size and shape. A distinct and attractive variety.

Price, 30 cts. each.

Set of 13 New Double Fringed Petunias for \$3.00.

DOUBLE FRINGED PETUNIA, "BERTHA MORSE."

Plants received in very nice order, and having dealt with you for over thirty years, can say they were as fine a collection as were ever sent me. I kindly thank you for the extras.—Mrs. E. J. WILSON, Catskill, N. Y., May 13th, 1889.

NEW HARDY PINK, "ABBOTSFORD."

New Hardy Pink, "Abbotsford."

ENTIRELY hardy, color a deep carmine, marbled with white, rich clove fragrance, flowering in the greatest profusion in May and June, and again in the fall months. Whether for a *hardy border plant*, or for cut flowers during summer, it will be found to be valuable. It is easily forced into flower during the winter months, and will be found most profitable for bouquets. (See cut.)

Price, large flowering plants, 75 cts. each; \$7.50 per doz.

Small " " 25 cts. " 2.50 "

For other Hardy Pinks see page 137.

Romneya Coulteri, (Giant Californian Tree Poppy.)

Ready April 15th.

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. Nothing can exceed the majestic beauty of this grand plant, when grown in masses on the lawn, its great white blossoms showing grandly against a background of trees. It will prove hardy in most of the Southern States.

Price, Plants, 50c. each; \$4.50 per dozen; Seeds, 25c. per pkt.

(See cut in Flower Seed portion of Catalogue.)

Double Tropæolum, "Darkness."

THE flowers of this new dwarf variety are very double and are most abundantly produced. The color is a deep mahogany red, lighted up with shades of brownish crimson. The centre is usually a deep maroon, almost black, and serves to intensify the rich coloring in the body of the flower. The cut shows the form, but cannot do justice to the coloring in this most attractive and useful novelty. It will be largely used as a drooping plant in vases and baskets. (See cut.)

Price, 30 cts. each;
\$3.00 per doz.

DOUBLE TROPEOLUM, "DARKNESS."

New Golden Leaved Verbenas.

Ready April 15th.

This new race of the ever-popular Verbena is a welcome addition to our list of foliage plants. The leaves are a light golden yellow, as vigorous in growth as the older sorts, and cover as wide a range of color in the flowers. Sold in mixed colors only, embracing red, white, blue, etc., etc.

Price, 15 cts. each; \$1.50 per dozen.

ZAMIA INTEGRIFOLIA.

ZAMIA INTEGRIFOLIA.

A strikingly beautiful plant of the Cycad family; forming large leaves or fronds, closely resembling the expensive Sago Palm. It is of rapid, easy growth, and will no doubt be largely used for decorative purposes.

Price, \$1.00 each;
\$9.00 per doz.

CLEMATIS JACKMANII

Is the plant shown on the above engraving. Its dark purple color and manner of growth are well illustrated on the front cover of this Catalogue. For description and price of this and other *Clematis*, see pages 121 and 131.

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, 50 cts. each; \$4.50 per doz.

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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"DOUBLE TOM THUMB."

We can also furnish *Single Tom Thumb*, *Colossus*, *Variegated Alyssum*, and *Sweet Alyssum*.

10 cts. each; \$1.00 per dozen.

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.

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, 20 cts. each; \$2.00 per doz.

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, 10c. each; set of 20 sorts, including "Golden Bells," for \$2.00.

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ABUTILON, "GOLDEN BELLS."

The baskets of plants, seeds and bulbs received in good condition. I was very much surprised to see them looking so fresh—not a wilted leaf. Thank you very much for premium plants.—Mrs. B. F. DUNCAN, South Bend, Indiana, April 12th, 1889.

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.

Equestris (Barbadoes Lily). A profuse flowering variety; flowers red, with white centre. 25 cts. each.

Atamasco (Zephranthes). Rosy white, free blooming. 15 cts. each; \$1.50 per dozen.

Formosissima (Jacobæan 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.

Johnsonii. Strong, vigorous growth, bearing from 3 to 6 brilliant red flowers on each stem. The petals are striped with white, rendering the flower very attractive. Very fragrant. Price, 50 cts. each; \$4.50 per dozen.

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, being equally useful in winter as in summer. Well grown plants have as many as 150 flowers on them at once.

30 cts. each; 4 for \$1.00; 9 for \$2.00; 12 for \$2.50.

Chinese Azaleas

FOR HOUSE CULTURE.

Few plants reward the cultivator more liberally with wealth of bloom than these, and no collection of plants, however small, should be without them. The engraving was made from a plant 6 feet high and 4 feet wide. Exhibited at our store last year, it was the wonder and admiration of thousands, yet it received only ordinary attention, and any amateur with a little care can do as well. We offer a grand collection—the best we could select in Europe—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."

1st size, \$1.50 each; set 15 varieties for \$20.00.
2d " .75 " " 15 " " 10.00.
3d " .40 " " 15 " " 5.00.

Azalea Indica Alba.

This is a pure white variety, equally valuable for in-door and out-door culture. It is hardy in the vicinity of New York, many plants of it having survived the winters in Greenwood Cemetery for many years, forming bushes over twenty feet in circumference, which are among its most attractive features.

Price, 1st size, 50 cts. each; \$4.50 per dozen.
" 2d " 25 " " 2.25 "

The plants sent us yesterday arrived to-day in fine condition, and hold good your solid reputation as growers and shippers of plants. The extras sent in were duly appreciated.—C. C. SHELTON & Co., Randolph, N. Y., May 15th, 1889.

Tuberous Begonias.

BED OF TUBEROUS ROOTED BEGONIAS.

THE above engraving shows a bed of these grand **Bedding Begonias** with two double flowers, $\frac{1}{2}$ natural size, on the upper corners of the picture. The kinds we offer were specially grown for us and are a comparatively new section of this beautiful tribe. They are now largely grown as bedding plants and no doubt will be almost universally planted in the very near future. The colors are far more varied and brilliant than *Geraniums*, the single flowers measuring from 3 to 5 inches across, ranging through all the shades of crimson, scarlet, rose, orange, etc. 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. (See cut.)

TUBEROUS BEGONIAS, in special colors for arranging in beds, Red, Crimson, Scarlet, Rose, White, Yellow.

Price, 40 cts. each; set of 6 sorts for \$2.00.

3 sets, 18 in all, for \$5.00. | 10 sets, 60 in all, for \$12.00.
5 " 30 " " 7.50. | 20 " 120 " " 21.00.

Single varieties, all colors mixed, 30 cts. each, 4 for \$1.00, 12 for \$2.50, 25 for \$4.50, 50 for \$8.00, 100 for \$15.00.

DOUBLE VARIETIES.

These vary in colors like the single varieties, and vary in form somewhat—we show two distinct types in the above engraving. The flowers average from 2 to 3 inches across.

Price, 50 cts. each; \$4.50 per dozen.

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.

Atropurpurea. Deep blood red foliage. 50 cts. 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.

Scandens. A useful trailing variety.

Ingramii. Rose color.

Rubra. Dark coral color; splendid. 30 cts.

Metallica. Crimson and maroon foliage. 30 cts.

Diadema. Peculiar Palm-shaped foliage. 50 cts.

Semperflorens Alba. Pure white; very profuse.

Washingtoniana. Strong upright grower; large panicles of white flowers. 50 cts.

15 cts. each; \$1.50 per dozen, except where noted.

Set of 12 sorts for \$2.50.

✧ Begonia ✧ Rex. ✧

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. (See cut below.)

30 cts. each; \$3.00 per dozen.

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
Alternanthera, 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
" " New French . See description, page 114.....	20.00
Coleus, Verschaffelti . Crimson.....	6.00
" Golden Bedder . Yellow.....	6.00
" Hero . Black.....	6.00
" Kirkpatrick . Yellow and green.....	6.00
" " Black Dwarf . See page 131.....	8.00
Echeveria, Extensa Globosa	16.00
" Secunda, Californica, 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

BEGONIA REX. (See description above.)

The plants and seeds arrived in good order and on time. I thank you for your promptness, correctness and extras. It is a pleasure to do business with people that know how to do it.—IRA B. FENTON, Framingham, Mass., May 20th, 1889.

New Dwarf Bouvardia, "White Bouquet."

An entirely novel and distinct variety. It is a sport from *B. Vreelandii*, having the same finely formed pure white truss as 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, large stock plants, 75 cts. each; \$7.50 per doz.
Young plants, 20 " " 2.00 "

New Scarlet Bouvardia, "President 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, large stock plants, 75 cts. each; \$7.50 per doz.
Young plants, 20 " " 2.00 "

BOUVARDIAS—In variety.

- Double Pink.** Like a miniature Tuberose; delicate rosy pink.
Double White. Same as above, but pure white.
Davidsoni. White; fine form; fine variety for winter forcing.
Brunetti. Light blush; exquisite in color and form.
Vulcan. Single scarlet. Certainly the most intense color in this species.
Bride. Beautiful deep pink; a grand sort to contrast with the others.
Victor Lemoine. Brilliant double scarlet. 50 cts. each.
 15 cts. each; \$1.50 per dozen, except where noted.
 Set of 9 sorts for \$1.50.

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.

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.

Robert Craig. Brilliant scarlet.

Snowdon. Pure white, dwarf and profuse.

E. G. Hill. Intense scarlet crimson. 35 cts.

Garfield. Crimson scarlet; extra large flower.

Buttercup. Golden yellow, lightly penciled with red. 50 cts.

Philadelphia. Bright scarlet.

King of Crimsons. Dark crimson.

Grace Wilder. Exquisite delicate pink.

Hintze's White. Pure white; very large; fringed.

Scarlet Gem. Scarlet, finely fringed.

Century. Brilliant carmine; the best of its color.

Anna Webb. Maroon. A grand variety for either summer or winter blooming. 35 cts.

Andalusia. Canary yellow, never has stripes of any other color.

Sunrise. Orange and crimson.

Portia. Brilliant scarlet, a most prolific bloomer.

Dawn. Rosy blush in the centre, shading to pure white at the edges.

20 cts. each, except where noted; \$2.00 per doz.;
set of 18 varieties for \$3.50.

CARNATION, "L. L. LAMBORN."

CLEMATIS

Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.

Fancy Caladiums.

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 in 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. (*See cut.*) 30 cts. each; set 12 finest varieties for \$3.00.

Caladium Esculentum.

As a single plant for lawns or large flower beds it has no superior. Commonly called "Elephant's Ears."

1st size bulbs, 50 cts. each, \$4.50 per doz.; 2d, 30 cts. each, \$3.00 per doz.; 3d, 15 cts. each, \$1.50 per doz. Extra size bulbs, \$1.00 each.

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. 30 cts. each; \$3.00 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. 15 cts. each; \$1.50 per dozen.

(For new Dwarf Ever-blooming Varieties, see page 114.)

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, 10 cts. each; \$1.00 per doz.

For varieties specially adapted to bedding in larger quantities, see Bedding Plants on page 129. New varieties on page 121.

New Dwarf Coleus.

Black Dwarf.

COLEUS, "BLACK DWARF."

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, Alysiums or other low growing bedding plants are used in "ribbon lines" or "carpet bedding" this new Coleus can be used with novel effect, and will no doubt be used extensively as a "Mourning" plant in cemeteries. Price, 15 cts. each; \$1.50 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 size, 50 cts. each; \$7.50 per set.

See a few of these in colors on front cover of Catalogue and descriptions on page 121.

NEXT to the Rose the Clematis is the most popular flowering plant of the day; *entirely hardy*, blooming during the entire season, embracing great variety of color, of the most beautiful tints of blue, purple, lavender, scarlet, white, etc.; double and single—some of the flowers being six inches in diameter, and from their wavy, graceful contour, when wafted by a slight breeze, the flowers resemble huge butterflies hovering among the green leaves. They are all climbers, and, if trained carefully, attain a height of from five to fifteen feet in one season. Being grown in pots, they can 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.

CLEMATIS HENRYII.

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.

VARIETIES OF CLEMATIS.

Languinosa Candida. Large, white, tinted lilac.
 Jackmani. (See cut, page 127, and special description, page 121.)
 Henryii. (See cut and special description above.)
 Crispa, "Blue Bells." (See special description, page 121.) 30 cents.
 Jackmani Alba. Grayish white.
 Lady Londesboro. Silvery gray, pale bars.
 Flammula. (Virgin's Bower.) White, fragrant. 30c. (See page 121.)
 Coccinea. Scarlet. (See special description, page 121.)
 The Queen. Deep lavender. (See page 121.)
 Sophia. Lilac purple.
 Sieboldi Hybrida. Lavender.
 Mrs. Baker. Silvery gray.
 Albert Victor. Deep lavender, tinted mauve.
 Fair Rosamond. Bluish white.
 Lady Redcliffe. Light lavender, wine bars.
 Lord Londesborough. Rich mauve.
 Miss Bateman. White.
 Standishii. Violet blue.
 Duchess of Edinburgh. Double white.
 Lucie Lemoine. Double white, fragrant.
 Fortuneii. Double white, tinted blue.
 Sensation. Large, light mauve.
 Beauty of Worcester. Large, reddish mauve, wine bars.

Price, 1st size, \$1.00 each, except where noted. Set of 23 sorts for \$18.00.

DOUBLE WHITE CAMELLIA JAPONICA. ($\frac{1}{2}$ natural size.)

Double White Camellia Japonica.

We are enabled this season to offer a splendid stock of the above varying in size from small plants 6 to 8 inches high to large bushes 3 to 4 feet, all well set in buds.

1st size,	3	to 4 feet,	\$5.00 each.
2d	"	2 $\frac{1}{2}$ " 3	" 3.00 "
3d	"	1 $\frac{1}{2}$ " 2 $\frac{1}{2}$ "	" 2.00 "
4th	"	1 " 2 "	" 1.00 "
5th	"	6 " 10 inches,	50 "

Various shades of **Red, Pink and Variegated Camellias**. Fine plants, with buds, in 12 best named sorts, \$2.00 each; \$20.00 per set of 12. Second size, all colors mixed, 50 cts. each; \$4.50 per dozen.

12 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.
Martha. Orange tipped scarlet.
Oriole. Rich golden yellow.
Ovid. Rich royal purple.

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, \$1.50. Set of 24 kinds, large and small flowering, \$3.00.

For newer varieties of Dahlias, see page 122.

Single-Flowering Dahlias.

These are very useful for summer bouquets, vases of flowers, etc., etc. We can supply 12 grand sorts, embracing **White, Red, Yellow, Maroon, etc.**, etc. Price, 15 cts. each; set of 12 for \$1.50.

CACTUS DAHLIAS.

We can supply 6 grand sorts in this unique class of Dahlias, **White, Red, Yellow, Maroon, etc.** Price, 30 cts. each; set of 6 for \$1.50.

ERYTHRINA HENDERSONII.

New Coral Plant. If set out in the open ground in spring, this plant blooms without intermission all summer. The flowers are large and brilliant, dark crimson in color, and fairly cover the plant when in full bloom. 30 cts. each; 4 for \$1.00.

Feverfew (Dwarf).

Little Gem. This variety, which we first sent out, is very dwarf, attaining a height only of from twelve to eighteen inches. The flowers are large and brilliant, of perfect form, and of the purest white. 20 cts. each; \$2.00 per dozen.

Ferns for House Culture.

Our collection contains the choicest of the "Maiden-hair" varieties, climbing species, and best basket and vase sorts. 30c. each; set of 12 sorts for \$3.

SCENTED GERANIUMS.—In variety.

10 cts. each; sets of 13 sorts, \$1.25.

Gold, Silver and Bronze Geraniums.—These Geraniums make beautiful pot plants; should be planted out in partial shade. 12 best Golden, 30c. each; \$3.00 per doz. 12 best Silver, 20c. each; \$2.00 per doz. 12 best Bronze, 20c. each; \$2.00 per doz.

FANCY DAHLIAS. ($\frac{1}{2}$ natural size.)

I beg to acknowledge receipt of the plants and seeds ordered from you. They came in good shape, and are growing nicely. The ladies have reminded me several times to thank you for the liberality displayed in filling the order.—JOHN L. MARVIN, Jacksonville, Fla., March 13th, 1880.

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 Gen. Grant. Brilliant scarlet.
Double Striped Vesuvius.
De Brazza. Deep scarlet.
Gustave Wideman. Rich deep salmon.
Gen. Saussier. Salmon.
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.
M. Hardy. Very light pink.
Naomi. Dark pink; fine bedder.
Peter Henderson. Vivid scarlet.
Phallas. A rich apricot orange.
Pride of the Market. Rich crimson.
Queen of the Fairies. Rich flesh.
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 page 124.

SINGLE GERANIUMS.

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 Dean. 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.

FUCHSIA, PHENOMENAL.

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.

Phenomenal. This is the variety shown in the above engraving; deep plum color; full and double; largest size, 20 cts. each.
Speciosa. Corolla orange scarlet, sepals white. *S.*
Beacon. Corolla a deep carmine, sepals scarlet. *S.*
Storm King. Corolla pure white; very free. *D.*
Black Prince. Tube and sepals waxy carmine.
Dos. Rosain. Double; dark plum color. *D.*
Mrs. Marshall. Corolla carmine, sepals white. *S.*
Le Negre. Violet corolla, sepal crimson. *D.*
Brilliant. Corolla carmine, sepals white. *S.*
Electra. White corolla, scarlet sepals. *S.*
Elm City. Purple corolla, scarlet sepals. *D.*
Way of Life. Violet corolla, crimson sepals. *S.*
Snow Fairy. White corolla, crimson sepals. *D.*
 10c. each, except where noted; set of 13 for \$1.25.

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 113), being covered from January to October with a profusion of large trusses of double flowers, presenting nearly every shade to be found in Geraniums.

Joan of Arc. 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. (See cut, page 113.)

La Rosiere. 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. Color, a beautiful shade of magenta rose.

30 cts. each; set of 9, including "Joan of Arc" (see cut, page 113), for \$2.50.

Abel Carriere. Currant red.
De Brazza. Rosy salmon; distinct.
Horace Choisel. Glowing salmon pink.
Mme. Thibaut. Very rich, deep rose.
La Printemps. Clear salmon.
Eden Marchii. Beautiful salmon pink.

GERANIUMS.

HIBISCUS MINIATUS.

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.	Miniatus. Scarlet. (See cut.)
Punicus. Single; bright crimson, fringed petals.	
Lambertii. Single; large deep crimson; 6 inches across.	
Rosa Sinensis Variegata. Large, red, single flowers, foliage variegated with white.	
Cooperii. Foliage prettily marked with pink, crimson and white, not unlike a Japanese Maple.	

20 cts. each; set of 12 sorts for \$2.00.

HONEYSUCKLES.

(For these and other Hardy Climbing Plants, see page 139.)

HOGA CARNOSA,

Better known as the "Wax Plant." The flowers are produced in clusters, and are a delicate flesh pink with a crimson centre. The florets are star-shaped and of such a peculiar waxy appearance that the plant received its popular name from them.

Price, 25 cts. each; \$2.25 per dozen.

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. 30 cts. each; \$3.00 per dozen; seeds, 15 cts. per packet.

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.) 25 cts. each; 5 for \$1.00.

Henderson's Hollyhocks

"New Double Strain."

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**. (See cut.)

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. Our collection contains all the colors named hereafter, but owing to a very unfavorable season we are only able to offer the **Double White** separately. The others we only have in mixed colors. For the same reason they are higher in price than usual. *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.* All plants that we offer will flower this season.

Price, double mixed varieties, 20 cts. each; \$2.00 per dozen. Double white, 25 cts. each; \$2.50 per dozen.

HELIOTROPES.

Indispensable for bouquets and vases of flowers; their rich tints of lavender, blue and purple, and exquisite vanilla perfume, are familiar to all. 10c. each; set of 12 sorts, \$1.

DOUBLE WHITE HOLLYHOCK.

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 upward 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.

HELIANTHUS MULTIFLORUS FL. PL.

HYDRANGÆA ROSEA.

Japanese 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.

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. 25 cts., 50 cts. and \$1.00 each, according to size.

Acuminata. Deep pink flowers; stems deep brown, almost black.

Rouei. Pinkish lilac, occasionally changing to blue.

Aurea. A variety which frequently has a variegation of golden yellow on leaves; flowers rosy pink.

Japonica. Rosy lilac flowers, changing to light blue.

Ramanis Picta. Rosy carmine flowers, changing to blue; very handsome purple-black stems.

Otaksa. 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 each, according to size.

Thos. Hogg. A pure white variety, 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. Equal to Thos. Hogg in freedom of growth and flowering qualities. Flowers large, and are a rich rosy red. 25 cts., 50 cts. and \$1.00 each, according to size. (See cut.)

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 124.

Set of 12, 1st size, \$10; 2d size, \$5; 3d size, \$3.

HARDY JAPANESE IRIS, "KEMPFERII."

HARDY JAPANESE IRIS, "Kæmpferii."

This beautiful genus of plants obtained its title of Iris—which is the Greek name for the rainbow—from the ancients as the most appropriate, because of the varied hues and tints of the flowers. The cut gives only a faint idea of the beauty of form and wonderful coloring of this grand species. Robust growing, flowering in mid-summer, 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. (See cut below.) Price, 30c. each; \$3 per doz. for strong flowering clumps.

LANTANAS.—General Collection.

We have few continuous blooming plants that afford a greater variety of colors than the Lantana. Twenty distinct varieties. Colors, orange, crimson, yellow, lilac, rose, white, etc.

10 cts. each; \$1.00 per dozen; set of 20 for \$1.75.

THE MOON FLOWER.

Ipomœa (or Calonyction) Grandiflora.

If planted out in rich ground about May 15th, in a situation where it has full exposure to the sun, this plant will attain a height 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.

Price of the true "Moon Flower," 20 cts. each; \$2.00 per dozen.

BLUE DAWN FLOWER (Ipomœa Learii).

This makes a splendid companion to plant with the white "Moon Flower." 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.

Price, 20 cts. each; \$2.00 per dozen.

PASSIFLORA, "CONSTANCE ELLIOTT."

PASSIFLORAS.

These beautiful plants, better known as "Passion Flowers," are among the most desirable of our climbers, 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. Hardy in most places.

Constance Elliott. Beautiful variety, flowers 3 to 4 inches in diameter, and pure ivory white, deliciously fragrant.

Cerulea. Similar to the preceding, but a beautiful blue.

Pfordtii. A beautiful purple variety, the best of its color.

20c. each; \$2 per doz. Set of 3 Passifloras for 50c.

See our new variety on page 125.

PANDANUS UTILIS.

Pandanus Utilis, or Screw Pine.

The noble species of *Pandanus* shown in the above engraving is perhaps the most useful of our ornamental foliage plants. For majesty of form and gracefully arranged foliage it is without a peer, while its vigorous constitution enables it to stand more neglect, without serious injury, than almost any other plant we know of. As an ornament for the window its glossy dark green serrated foliage, which glistens in the sunlight, renders it unusually attractive, while as a vase plant or single specimen in green-house or conservatory it cannot be surpassed. It is also largely used to decorate the halls in our finest private residences, and shows grandly on the lawn when grown to a sufficient size.

Price, 1st size, 2½ to 3 feet,	\$5.00 each,	\$50.00 per dozen.
" 2d " 2 " 2½ "	4.00 "	40.00 "
" 3d " 1½ " 2 "	3.00 "	32.00 "
" 4th " 15 in. " 1½ "	2.00 "	20.00 "
" 5th " 12 " 15 in.	1.00 "	10.50 "
" 6th " 6 " 10 "	.50 "	4.50 "

LATANIA BORBONICA. (Livistona Sinensis.)

This excellent Plant is well shown in the above cut. It is the typical *Palm*, and is more largely used than any other. Its strong, healthy habit commends it to all, and gives it a fitness for window and room culture not possessed in the same degree by any other *Palm*. (See cut.)

Price, 1st size, 2 to 3 feet high,	\$5.00 each.
" 2d " 1½ " 2 "	3.00 "
" 3d " 1 " 1½ "	1.00 "
" 4th " small plants,	.50 "

✻ 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 at foot of this page.)

Dracena Terminalis. A beautiful decorative plant, gorgeous shades of crimson, bronzy green and pink on the foliage. 50 cents to \$3.00 each.

Curculigo Recurvata. 50 cents to \$2.00 each.

" " Var. \$1.00 to \$3.00 each.

Corypha Australis. A splendid robust grower. 50 cts. to \$3.00 each.

Euterpe Edulis. This is one of the most useful of Palms, being vigorous in growth, with gracefully cut foliage. 50 cts. to \$2.00 each.

Pandanus Veitchii. (Variegated Screw Pine.) This is a grand decorative plant. Its beautiful form, with vivid green and creamy white variegation, added to its vigorous growth, makes it indispensable in every collection. \$1.00, \$1.50, \$2.00 and \$3.00 each, according to size.

Musa, Abyssinian Banana Tree. This noble plant, when grown in masses in sub-tropical planting, is of the easiest cultivation, and will thrive during winter in any moderately warm conservatory. Strong plants, \$1.50 each.

Rhapis Flabelliformis. This splendid Palm is particularly well adapted to house culture, being less susceptible than most varieties to changes of temperature and the various adverse conditions which plants are subject to in dwelling-houses. Price, \$3.00 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, \$2.00 and \$3.00 each.

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 colored plate of Pansy in seed portion of Catalogue.) Price, \$1.00 per dozen. Best German Mixed Pansies, Plants, 75 cts. per dozen.

LATANIA BORBONICA.

DRACENA INDIVISA. (See description at head of page.)

I received the plants in fine condition. My thanks are due you for the extras, which were just what I should have chosen myself. All the plants have leaved out, and promise a good growth.—MRS. S. A. WEBSTER, Creston, California, February 6th, 1889.

DOUBLE PEONY.

Magnificent hardy plants, almost rivaling the Rose in brilliancy of color and perfection of bloom. They thrive in almost any soil or situation, and when planted in large clumps on the lawn make a magnificent display of flower and foliage. Some of the varieties are very fragrant. They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established.

The varieties offered embrace the best contrasting colors.

Pæonia Maxima. Double red, changing to blush.

" **Rosea.** Double crimson, changing to rose, fragrant.

" **Rubra.** Double crimson, large and fragrant.

" **Alba.** Double large white.

Price, 75 cts. each, for strong flowering roots. Set of 4 fine sorts for \$2.00. All colors mixed, 50 cts. each; \$4.50 per dozen.

TREE PÆONIAS.

These differ from the above in manner of growth—the former coming from the ground each season, while these form grand shrubs, growing 3 to 5 feet high.

Price, \$2 each, strong flowering plants.

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 125.

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.

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.

Hardy Herbaceous Phloxes.

Most valuable hardy plants for partially shaded borders or shrubbery; there are hundreds of varieties. Those offered 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 below.) Price, 15 cts. each; \$1.50 per dozen.

In addition to this variety, we can offer a set of 12 distinct sorts for 15 cts. each, or \$1.50 per set.

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. (See cut on page 126.) Set of 12 distinct sorts for \$1.50.

SALVIAS.

Splendens. (Scarlet Sage.) Flowers brilliant scarlet.

— **Patens.** A variety well suited to contrast with the scarlet, the flowers being of the richest blue. 20 cents.

We have ten 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.

NEW MAMMOTH VERBENAS.

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. Many of the sorts in richness of color and large white centre resemble *Auriculas*. (See cut below.)

Corinne. Delicate pink, lemon centre.

Double Defiance. Semi-double scarlet.

Flash. Intense scarlet, yellow centre.

Invincible. Sky blue, white centre.

Ideal. Deep violet, creamy white centre.

La Tosca. Reddish carmine, white centre.

Leola. Brilliant carmine lake, straw centre.

Mastodon. Deep crimson.

Marvel. Dark maroon, white centre.

Prodigy. Soft carmine, white centre.

Purity. Pure white.

Radiant. Glowing red, lemon centre.

Summit. Rich purple, white centre.

Undine. Bright magenta, lemon centre.

Zebra. White, changing to flesh color, striped and splashed deep crimson.

Price, 10 cts. each; set of 15, including the *New Double*, for \$1.25.

VIOLETS.

Marie Louise. The well known double purple variety. Its exquisite fragrance and beautiful color make it always in demand. 30 cts. each; \$3.00 per doz.

Smaller plants, 10 cts. each; \$1 per doz.

Swanley White. Same as preceding, but pure white. Small plants, 15 cts. each; \$1.50 per dozen.

HARDY HERBACEOUS PHLOX, "CZARINA." (See above.)

Abridged List.

Lack of space prevents us giving extended descriptions of the following well-known and useful plants.

	Each.	Per Doz.
Asparagus Tenuissimus. Fine filmy foliage, equal to Maidenhair Ferns; splendid for bouquets.....	25 cts.	\$2.25
Asters. All colors mixed. Ready May 1st.....	10 "	1.00
Alternantheras. Crimson, yellow, maroon, etc.....	10 "	.75
Allamanda Hendersonii. Large yellow flowers.....	30 "	3.00
Antigonum Leptopus. Beautiful summer climber; pink flowers.....	25 "	2.25
Antirrhinum. Choicest mixed, all colors.....	10 "	1.00
Achyranthus. In variety.....	10 "	1.00
Amaranthus. (Joseph's Coat.) 3 sorts.....	10 "	1.00
Balsams. White and colored sorts, (Ready May 1st).	10 "	1.00
Convolvulus Mauritanicus. Blue flowering vine; for baskets and vases.....	15 "	1.50
Calla Lily. All flowering roots. 20c., 30c. and 50c. each; \$2.00, \$3.00 and \$4.50 per doz.		
Cestrum Laurifolium. Night-blooming Jessamine...	15 "	1.50
Cineraria Hybrida. All colors mixed.....	15 "	1.50
Cyclamen Persicum. White, crimson, pink, etc.....	30 "	3.00
Castor Oil Bean. A tropical looking plant; fine for lawns in summer. (Ready May 15th).....	20 "	2.00
Cobea Scandens. Rapid growing climber; purple flowers.....	20 "	2.00
Cuphea Platycentra (Segar Plant) and Hyssopifolia.	10 "	1.00
Cockscombs. All colors mixed. (Ready May 1st)...	10 "	.75
Coccoloba Platyclada. Splendid plants for baskets..	15 "	1.50
Calceolaria, "Shower of Gold." Finest yellow....	25 "	2.00
Calceolaria, Creole Queen. Finest Maroon.....	25 "	2.00
Daphne Odorata. Fragrant rose colored flowers....	50 "	4.50
Dianthus. (Summer Garden Pinks.) All shades of color	10 "	.75
Daisies, Paris. White and yellow.....	10 "	1.00
Euphorbia Splendens, "Crown of Thorns.".....	20 "	2.00
Eucharis Amazonica, "Amazon Lily.".....	50 "	4.50
Eranthemums. Beautiful foliage plants; 3 varieties	15 "	1.50
Eupatorium Riparium. White; winter flowering...	10 "	1.00
Ficus Repens. Trailing Plant.....	20 "	2.00
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
Jessamine. Cape, Grandiflorum, etc.....	30 "	3.00
Lemon Verbena. Valued for its fragrant leaves....	20 "	2.00
Libonia Peroliensis. Orange and crimson flowers..	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
Linum Trifygium. (Yellow Flowering Flax).....	20 "	2.00
Lotus Jacobeus. Beautiful flowers, almost black...	15 "	1.50
Mosses. 6 best varieties, for vases, etc.....	15 "	1.50
Meyenia Erecta. Purple flowers with yellow throat.	30 "	3.00
Musk Plant. Delicious musk odor. (Ready May 1st.)	10 "	1.00
Mesembryanthemums. In variety; beautiful succulents; fine for rock-work, baskets, vases, etc....	10 "	1.00
Mahernia Odorata. Golden Honey Bell.....	15 "	1.50
Madeira Vine. Rapid climber; fragrant flowers....	5 "	.50
Nasturtiums. Tall and dwarf sorts.....	10 "	1.00
Oxalis. Yellow, white and pink.....	10 "	1.00
Panicum Var. Drooping grass, for baskets.....	10 "	1.00
Pilogyne Suavis. Beautiful out-door climber.....	15 "	1.50
Pentstemons. Choice mixed varieties.....	20 "	2.00
Primula. (Primrose.) Single; mixed, all colors....	20 "	2.00
Pilea Serpafolia (Artillery Plants) and Reptans...	10 "	1.00
Phlox Drummoudii. All colors mixed.....	10 "	1.00
Richardia Alba Maculata. "Spotted Calla".....	20 "	2.00
Sedums. Fine for rock-work. (Hardy.).....	10 "	1.00
Smilax. A twining plant, used for festooning.....	10 "	1.00
Stevia. Three varieties; white flowers.....	10 "	1.00
Succulent Plants. For rockeries, etc.....	10 "	1.00
Torenia Asiatica. Blue tubular flower, beautiful...	15 "	1.50
Tropæolum. Mixed varieties, crimson, yellow, etc..	10 "	1.00
Thyme. Gold and silver varieties.....	10 "	1.00
Tradescantias, Vulgaris, Repens, Multicolor, etc..	10 "	1.00
Vincas. Trailing sorts.....	15 "	1.50
Vincas Alba and Rosea.....	15 "	1.50
Veronicas. Splendid plume-like flowers, white to deep purple.....	15 "	1.50
Zinnias. (Ready May 15th.) All colors mixed.....	10 "	.75

✻ HARDY HERBACEOUS PLANTS. ✻

For Open Borders, Cemetery Plots, etc., not described elsewhere in our Catalogue. We can supply in addition to these a Collection of 25 sorts of Hardy Plants for \$4.50.

MOUNTAIN FLEECE.

(*Polygnum Amplexicaule*, var. *Oxyphyllum*.)

The above engraving gives a fair representation of this excellent Hardy Garden Plant, which may be well called "Mountain Fleece," for its masses of white when seen at a distance easily suggest the idea. It forms a bush from 3 to 4 feet in height and width. Its great feathery white panicles, from 9 to 12 inches long, are produced from September until cut down by frost in October. Being entirely hardy in every section of the country, it will prove one of the most useful of all fall flowering plants. For cemetery decoration it will be particularly suitable. Price, 50 cts. each; \$4.50 doz.

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.
Auriculas. A fine assortment; all colors mixed. 30 cts.
Aquilegia Chrysantha. A fine yellow Columbine.
Chrysanthemum Inodorum Plenissimum. Low growing, hardy double white; splendid for cemetery. Summer and Fall.
Dicentra Spectabilis (Bleeding Heart). Spring.
Euphorbia Corrolata. White flower. Blooms all summer.
English Daisies. White, pink and red. Spring and summer.
Gaillardia. Crimson and orange flowers; blooms all summer and fall.
Myosotis (Forget-me-not). The best blue variety.
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 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.
Yucca Filamentosa. (Adam's Needle). A very ornamental hardy plant, graceful foliage, sending up flower spikes 5 feet high hung with pure white flowers. Summer.
 20 cents each, except where specially priced. Full set of 16 Hardy Herbaceous plants for \$3.00.

AMPELOPSIS VEITCHII.

(Sometimes called "Boston Ivy" and "Japan Ivy.")

No picture can portray the beauty of this grand climbing plant. As an important aid to architectural beauty it is rapidly attaining prominence, being now a feature on the finest houses—notably the palatial residence corner of 57th Street and Fifth Avenue, New York City. Another fine example of it is seen on Grace Church, in New York, while on Commonwealth Avenue, in Boston, there are hundreds of the finest houses covered with it from foundation to roof. It is adapted to all situations, and transforms the humblest cottage. It is entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or wood work with the greatest tenacity. It is a great protection to houses, as the leaves lapping over each other like slates on a roof effectually prevents rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, verandas, etc., it has no equal, while its rapid growth and tenacious clinging qualities make it a most desirable plant for staying up terraces. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of scarlet crimson and orange, so dazzling as to be seen at a great distance.

We sold over 50,000 plants of this and *A. Royali* the past season, a large proportion of which were used on churches and public buildings.

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.)

Apios Tuberosa. (See cut and description below.)

Aristolochia Sipho (Dutchman's Pipe.) Large, showy, light green foliage; flowers long and pipe-shaped, hence the name. 50 cts. each; \$4.50 per dozen.

Bignonia Grandiflora. Scarlet Trumpet Vine; a most rapid grower; flowers in large bunches, of a rich orange scarlet. One of the best of our native hardy climbers and known in some sections as "Woodbine." It will twine itself around any object which it reaches, and clings firmly to lattice work. (See cut.)

Clematis. (For fine hybrid kinds, see description, pages 121 and 131.)

Honeysuckles. Yellow, coral or scarlet, white, pink, evergreen and golden leaved; fine plants.

Ivy, English or True Melrose Abbey.

Wistaria Sinensis, Blue. (See white variety below.) Flowers in drooping clusters like a bunch of grapes; color, soft lavender blue; fragrant.

Wistaria Magnifica. Same habit, but with dark violet-blue flowers.

All of the above Hardy Climbing Plants at 25 cts. each; \$2.50 per dozen, except where noted, or the entire collection of 12 kinds for \$5.00.

Tuberous Rooted Wistaria.

(Apios Tuberosa.)

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.

APIOS TUBEROSA.

25 cts. each; 5 for \$1.00; \$2.00 per dozen.

Wistaria Sinensis Alba.

Flowers borne in long, drooping clusters, as in the blue variety; pure white in color, making a most striking and elegant contrast. We offer plants such as can scarcely be found elsewhere. They average from 3 to 5 feet in length. Smaller plants, 30 cts. each. (See cut.)

75 cts. and \$1.50 each, according to size.

WISTARIA SINENSIS ALBA.

Hardy Flowering Shrubs

(FOR THE LAWN OR GARDEN).

The kinds below named show 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.

Aucuba Japonica. Large green leaves, spotted with yellow. 50 cts. each.

Azalea Amoena. Small double reddish purple flower. A very attractive shrub. 75 cts. each; \$6.00 per dozen.

Althea, Double White. Beautiful shrub; double flowers.

Althea, Double Purple. Similar to above, except color, which is purple.

Berberis Purple. Very ornamental shrub; purple foliage.

Calycanthus Floridus. Strawberry scented shrub.

Cydonia Japonica. (Japan Quince.) Bright scarlet flowers.

Forsythia Viridissima. Yellow flowers, blooms very early.

Kerria Japonica. Slender, graceful growth; double yellow flowers.

Lilac. The well known purple flowering variety.

Philadelphus Coronarius. The popular Syringa or Mock Orange.

Ribes. (Flowering Currants.) Assorted colors; very fine.

Spirea Reevesii. Very fine and hardy; double white.

Weigelia Rosea. Rich rose colored flowers.

Viburnum Opulus (Snowball). Large drooping white flowers.

Hydrangea Paniculata Grandiflora. One of the finest hardy shrubs; the flowers are formed in large, white panicles, 9 in. long, which change to a deep pink at the base as the season advances, the contrast rendering it remarkably attractive. It grows five to seven feet high and wide, and as the flowers slightly droop, few plants have the grace and beauty of this grand shrub. Used largely in cemeteries. (See cut.) 15 cts., 25 cts., 50 cts. and \$1.00 each, according to size; \$1.50, \$2.25, \$4.50 and \$9.00 per dozen, according to size.

Japan Snowball. (*Viburnum Plicatum*.) A beautiful species worthy of cultivation for its foliage alone, which is deeply corrugated, giving it a handsome appearance. The balls of flowers are from 4 to 6 inches in diameter, of the purest white, and almost cover the plant when in bloom. No shrubbery is complete without it. Price, 75 cts. each; \$7.50 per dozen.

HYDRANGEA, P. GRANDIFLORA.

SPIREA VAN HOUTTEII

Spirea Van Houtteii. It is impossible in a small illustration to correctly represent the beauty of this grand shrub. The plant shown was 4 feet high and 6 feet across. The long, slender branches droop gracefully with their weight of flowers. It is easily forced for winter blooming. (See cut.) Good strong plants, 40c. each; 3 for \$1.00; 7 for \$2.00; 12 for \$3.00.

Magnolias.

Magnolia Soulangiana. The flowers appear before the leaves, are a soft silvery white, shading to purple at the centre, and average five inches across when expanded. The foliage is deep green, large and glossy. 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 doz.
- **Purpurea.** Similar to the preceding in all respects, except the color of the flowers, which are *purple*. \$1.50 each; \$15.00 per dozen.
- **Tripetala (Umbrella Tree).** This variety produces the leaves first, the flowers following in June. Its massive foliage, combined with its large white, sweetly fragrant flowers, render it a conspicuous and highly ornamental object in any situation. Price, \$1.00 each; \$10.50 per dozen. Set of 4 splendid Magnolias for \$4.00; extra size, \$5 each, or \$15 per set.

RHODODENDRONS.

These are among the grandest of our hardy flowering shrubs and cannot be surpassed for lawn decoration. The flowers are truly magnificent, ranging through shades of rose, pink, crimson, white, etc., appearing in large "heads," 9 to 12 inches in diameter, composed of from 12 to 20 flowers which are generally spotted and feathered with various colors. The foliage is large and glossy, being very ornamental at all times. They do best planted in a light fibrous soil and are partial to shade. They rarely require pruning, and are all the better for a protection of hemlock boughs in winter, so arranged as to shade them from the direct rays of the sun. Price, plants in bud, \$2.00 each. Set of 6 distinct named sorts for \$9.00.

All the shrubs on this page we can supply at 40 cts. each, except where noted.

Full set of 23 splendid hardy shrubs, as named and described on this page, for \$9.00. If bought separately would cost \$12.20.

RHODODENDRON.

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.

An excellent selection may be had very cheap from the plants below named, for filling baskets, vases, window boxes, etc.

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):

- 8 *Achyranthus*, crimson, violet and yellow leaves.
- or, 8 *Abutilons* (Chinese Bell Flower), orange, crimson, etc.
- or, 4 *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, 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, 2 *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, 6 *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. Elliott.
- 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 *Snaydragons*, 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 *Scarce* summer flowering plants.
- or, 8 *Scarce* 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*.

No order is filled for less than one dollar, but we allow buyers to *halve* 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 80 collections (520 *varieties of plants, bulbs and seeds*—sufficient to stock a greenhouse or garden) for \$35, 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.

HARDY GRAPES.

— THE —
"Brighton"
Grape.

THE TWELVE HARDY GRAPES

herewith offered we have selected from the hundreds at our command as the best varieties for either family use or market purposes. Each one is without a peer in its class and color, and were we going to plant thousands of vines would not look beyond these sorts. The three first named were shown in colors on our Catalogue cover last year.

- Brighton.** One of the very best red grapes; early. (*See cut.*) 1st size, 60 cts.; 2d size, 30 cts.
Niagara. The finest of the white grapes. 1st size, 60 cts.; 2d size, 40 cts.
Worden. Black; very juicy; large size; early. 1st size, 50 cts.; 2d size, 30 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. 60 cts. each.
Wilder. (Rogers' No. 9.) An excellent variety. Berries medium; bunches large; color black. 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. 60 cts. each.

PRICE.—Very strong two-year-old plants, 40 cts. each, except where noted; \$4.00 per dozen. Full set of 12 kinds for \$4.50.

For instructions in pruning and cultivating Grapes see new edition "Gardening for Pleasure."

New Strawberry, Durand's "Nectar."

Raised by Mr. Durand, of Irvington, N. J., and is unquestionably the best among the many excellent varieties which originated with him. It combines all the good qualities of a strawberry—firm, brilliantly colored, fruit of the largest size, rich, spicy flavor, strong, healthy growth, and makes an abundance of layers. (*See cut below.*) Price for pot-grown plants, \$2.00 per doz.; \$6.00 for 50, or 100 for \$10.00. Ground layers at half the above rates.

STRAWBERRIES.

Space will not permit us to give lengthy descriptions of the numerous varieties we offer. They are fully described in our Strawberry Catalogue, which will be sent free on application. Below is a list of the 10 leading kinds—"The Cream of the Strawberries." All pot grown.

	Per doz.	Per 100		Per doz.	Per 100
Gold.....	\$1.00	\$5.00	Chas. Downing.....	\$0.75	\$4.00
Prince of Berries .	1.00	5.00	May King	1.00	5.00
King of the North.	.75	4.00	Cumberland Triumph.	1.00	5.00
Parry.....	1.00	5.00	Great American....	1.00	5.00
Manchester.....	.75	4.00	Cloud.....	1.00	5.00

Ground layers at one-half the above rates. We also grow all the old standard sorts and can furnish pot-grown plants at 50c. per doz., \$3.00 per 100. Ground layers, 25c. per doz.; \$1.50 per 100.

NEW STRAWBERRY, DURAND'S "NECTAR." (*See description above.*)

The plants ordered, arrived in good condition yesterday. The Grapes and Currants are unusually fine plants. Please accept thanks for the generous count and the extras.—L. A. WALKER, Groton, Conn., April 23d, 1889.

"LUCRETIA" DEWBERRY (or Creeping Blackberry).

resents medium-sized berries.
(See cut.)

Price, \$1.50 per dozen; \$10.00 per 100.

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.

Kittatinny. Very large and of excellent flavor.

Lawton. Very large, juicy and sweet.

\$1.00 per doz.; \$6.00 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. (See cut.)

\$1.50 per dozen;
\$10.00 per 100.

Currants.

Cherry. Dark red; best variety for market.

Versailles. Best for table use.

White Grape. The best white currant.

Black Naples. Black, mostly used for jams and jellies.

20 cts. each; \$1.50 per dozen; \$10.00 per 100.

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

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 dozen.

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.

Charlesworth Tokay. White. H & C.

Muscat Hamburg. Black, with Muscat flavor. H & C.

Lady Down's. Black. H. **Cannon Hall Muscat.** White. H.

White Frontignan. White. H. **Royal Ascot.** Black. H & C.

Royal Muscadine. White. H & C.

Maddresfield Court Muscat. Black. H & C.

Splendid vines, \$1.25 each, \$12.00 per dozen. Extra large

fruiting vines of the two varieties first on the list, \$5.00 each.

Raspberries. (Yellow Varieties.)

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. (See cut.) 25 cts. each; \$2.00 per dozen; \$12.00 per 100.

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.

GOLDEN QUEEN.

BLACK RASPBERRY, "TYLER."

BLACK RASPBERRIES.

Tyler. (See cut above.) 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.

New Rochelle. 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.

HANSELL RASPBERRY.

Red Raspberries.

Marlboro. Very dark; exquisite spicy flavor.

Hansell. Bright red; very early and productive. (See cut.)

Cuthbert. The leading market variety for late fruiting.

Rancocas. Early red, very prolific.

Price, \$1.00 per dozen; \$6.00 per 100.

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 unequalled 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.

VEGETABLE PLANTS.

All the plants herewith offered are described at length in the vegetable seed portion of this Catalogue and will be found on the pages noted in the index on first page of cover.

Lettuce, Boston Market. Per 100, \$1.00; per 1,000, \$7.50.
" Curled Simpson. Per 100, \$1.00; per 1,000, \$7.50.

Cabbage and Cauliflower

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. 10c. each; \$1.00 per doz.; \$6.00 per 100.

Sweet Mountain. 10 cts. each; \$1.00 per doz.; \$6.00 per 100.

EGG PLANTS (Pot Grown).

(READY MAY 15TH.)

N. Y. Improved. 10 cts. each; \$1.00 per doz.; \$6.00 per 100.

Black Pekin. 10 cts. each; \$1.00 per doz.; \$6.00 per 100.

TOMATO PLANTS.

(READY MAY 1ST.)

Early Ruby. (New.) 75 cts. per doz.; \$5.00 per 100.

Table Queen. (New.) 75 cts. per doz.; \$5.00 per 100.

Perfection. 30 cts. per doz.; \$2.50 per 100.

Dwarf Champion. 50 cts. per doz.; \$3.00 per 100.

Acme. 30 cts. per doz.; \$2.50 per 100.

Paragon. 30 cts. per doz.; \$2.50 per 100.

The Trophy (from headquarters seed). 30c. per doz.; \$2.50 per 100.

The Mikado. 40 cts. per doz.; \$3.00 per 100.

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. 50 cts. each; \$4.50 per doz.

Rhubarb Linnaeus and Victoria. 20 cts. each; \$2.00 per doz.

INDUSTRY GOOSEBERRY.

✧ 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 Street, New York.

Send 1 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.

CORRUGATED SADDLE BOILERS.

BASE BURNING WATER HEATERS.

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.

Henderson's

GARLAND

Collection of
ROSES.

ONE HALF NATURAL SIZE

For Prices and Description
see Page 102