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DREER'S GARDEN CALENDAR 1876.

PHILADELPHIA.

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1876.

Centennial Exposition

AND

SPRING GROVE NURSERIES

AND

SEED FARM,

RIVERTON, N. J.

It is scarcely necessary at this late day to enlarge on the Centennial Exposition to be held in this city, opening May 10th, and closing November 10th. All the illustrated periodicals have shown the Buildings and their progress, while the daily press of the country is teeming with information and the people with enthusiasm; its success is beyond doubt. During these days, after our friends and patrons tire with the scenes on the Centennial Grounds, we respectfully invite them to visit our establishments at 714 Chestnut Street, and Riverton, N. J. In the former may be found *Vegetable and Flower Seeds of undoubted character, and every requisite for the Garden and Conservatory*; the latter, which is located on the Delaware River, is approached by steamboats and Pennsylvania Railroad (Amboy Division). The trip on the river (8 miles) makes it one of the most delightful excursions that can be had around Philadelphia. Information as to the running of trains and boats will be given at the Seed Establishment, or by consulting any daily paper. The grounds are within five minutes' walk of the Railroad Station or the Steamboat Landing.

OUR PLANT DEPARTMENT

contains one of the largest and finest selections of plants in the country. Direct correspondence with and personal visits to the leading houses in Europe enables us import every novelty as it appears. Especial attention is paid to the introduction the best new varieties of

ROSES, FUCHSIAS, GERANIUMS, GLADIOLUS, Etc., Etc.

Nearly fifty acres are devoted to the growing of the more hardy kinds of Shrub Roses, Dahlias, Bulbs, and Flower Seeds, and upwards of 50,000 square feet of glass are employed in the propagation and cultivation of choice Exotics and plants suitable for the decoration of the house or garden.

THE SEED AND TRIAL GROUNDS

are under the care of an experienced gardener. Every new variety is fully tested, all new and choice varieties grown with great care for seed, thus insuring our customers at all times from loss by spurious or defective seeds. In short, every effort made on our part in the sending out of Seeds, Plants, Bulbs, etc., in the character of the article sent, as well as in packing, to insure our customers against loss.

DREER'S GARDEN CALENDAR

— For 1876. —

*Designed to furnish Brief Directions for the
Cultivation and Management of the*

VEGETABLE AND FLOWER GARDEN.

**ILLUSTRATED WITH ENGRAVINGS,
AND CONTAINING
SELECT LISTS OF SEEDS, BULBS, PLANTS AND SMALL FRUITS.**

HENRY A. DREER,
SEEDSMAN AND FLORIST, No. 714 CHESTNUT STREET,
Philadelphia.

DIRECTIONS TO CORRESPONDENTS.

MUCH trouble, delay and disappointment may be avoided by observing the following directions:

1st. Be particular to write your name *distinctly*, with Post Office, County and State, also the nearest Express Office. Please notify us of any change of permanent address, in order that we may be able to forward our catalogues with regularity. Orders are frequently received without even a signature. We have quite a number of such orders now on hand, that contained small amounts of money, which we are unable to fill for want of an address, and no doubt the parties who sent them consider themselves badly swindled. We would therefore request all who remit, and do not receive the articles ordered within a reasonable time, to notify us of the fact.

2d. Write out your orders legibly, in a list apart from the body of the letter, and in case of plants, specify if any varieties may be substituted when not on hand. Amateurs not conversant with the varieties will not suffer by leaving the selection to us, as we will, in such cases, make the best possible selection.

3d. It is requested that explicit directions be given for marking and shipping packages. Where no specific directions are given, we shall use our best judgment as to the route and mode of conveyance; it should, however, be expressly understood, that *all packages are at the risk of the purchasers after their delivery to the forwarders.*

4th. All orders from unknown correspondents must be accompanied by cash, a draft, or P. O. order, or instructions to *Collect on Delivery* by Express, collection charges on small amounts to be paid by purchaser. We decline sending C. O. D. to distant points unless the order be guaranteed by a remittance. In making a remittance, the purchaser will please be particular and send a sufficient amount to cover the order. When only a part of the amount is remitted, goods will be sent by Mail only to the amount of the remittance. When sent by Express, we will collect the balance on delivery of the goods. We have been compelled to adopt this rule (except to old and well-known correspondents) on account of the inconvenience of collecting small balances at the close of the season, and the difficulty of keeping such accounts.

5th. Purchasers are requested to notify us promptly of any errors which may have occurred in filling their orders, as it is our desire to give entire satisfaction.

6th. For information as to mailing of Seeds, see page 4.

In conclusion, we would state that the usual care will be observed in putting up all orders, large or small, to give full satisfaction to the purchaser, in the quality of the article, as well as in the manner of packing and forwarding.

CAUTION.—Do not buy of travelling agents or peddlers. Some of these impostors have represented themselves as our agents—*beware of them.* We employ no travelling agents. Send direct to head-quarters, and then you are sure of obtaining a genuine article at a moderate price.

Be particular to write your name distinctly, with Post Office, County and State, also the nearest Express Office. Address,

WILLIAM F. DREER, }
WILLIAM H. SMITH, }

HENRY A. DREER,
714 Chestnut St., Philadelphia, Pa.

TO OUR PATRONS.

AT this season of congratulations, and on the beginning of this the Centennial Year, we wish you a happy and prosperous New Year. The Centennial Exposition, which you will or should visit, opening in this city on the 10th of May, and continuing until November 10th, will be an event never again presenting itself in our generation, where the products of the soil and everything that is will be exhibited. Any attentions we may be able to extend will give us great pleasure, and trust you will not hesitate in calling at No. 714 Chestnut street, on the leading and fashionable thoroughfare, only one block from the State House and leading Hotels. Owing to the steady increase of our business, we felt compelled during the past season to enlarge our store and warehouse, which gives us now a large, light, and airy retail department (23 by 175 feet) on the first floor, besides the cellar of the same dimensions, and the upper floors, which latter contain, on 2d story, the wholesale seed department and storage room; 3d story, storage room, printers' room, stock room for florists' requisites, tools, etc., and 4th story, storage and drying floors, and a large Green-house, in which many things necessary to our plant business are kept—at this point the suggestion may be made to many living in cities, that they can enjoy a Green-house built on the roof as well as their suburban friends having acres at disposal.

Notwithstanding the Centennial and other attractive celebrations, our earnest and determined policy is to supply all our friends and customers with *pure* and *reliable* Seeds, using every caution and care in the trial of *New* and *Old Varieties*, testing their germinating qualities, and insuring their genuineness before sending out.

Our large sample and trial grounds are under the direct supervision of ourselves and in charge of an experienced market gardener, where each sort is carefully grown. A register being kept giving date of planting, time of maturing, growers' names, etc., and marginal notes made for references, so that in the event of any irregularities the source can be immediately traced. We do not profess to be the growers of more than a few leading articles that require great attention to insure their purity; the bulk of our stock is grown by competent and responsible growers under our supervision, and those imported are from the best houses of Europe.

In this connection we will here state, while we exercise the greatest care to have all seeds pure and reliable, that unless the soil, planter and atmospheric conditions are guaranteed, we will not hold ourselves responsible for the full development of any crop.

SEEDS BY MAIL.

Our object is to come directly in contact with the farmer and gardener, who appreciate the difference between good and bad seeds; we feel satisfied, as our home and distant trade bear evidence, that our seeds will give full satisfaction in every respect. In view of the unjust decision of Congress on March 3d, 1875, increasing the rate of postage from one cent for each two ounces to one cent for each ounce, we still continue to send

FREE

to every post office in the United States and the British Provinces, when ordered by the packet or ounce; when ordered by the quart or pound at quart or pound prices, 30 cents per quart, or 15 cents per pound additional, to be remitted to cover postage; to points within 1000 miles of this city, it will be very much cheaper than old rate of postage to send five pounds and over by express, at purchaser's expense. With this additional expense brought on by an obnoxious law, our prices will compare very favorably with those of any other house in the country.

For the convenience of persons who wish but small quantities, the seeds are put up in packets of five, ten, and twenty-five cents each. Those quoted from thirty cents to one dollar per oz., in not less than ten cent packets; over one dollar per oz., in packets of twenty-five cents each. Beans, Corn, and Peas, in not less than ten cent packets.

PHILADELPHIA,
January 1st, 1876.

HENRY A. DREER.

VEGETABLE GARDEN.

PREPARATION OF THE GROUND.—To secure a fair return in seasonable crops, for the labor and outlay invested, it is essential that the soil of the Vegetable Garden should be well *under-drained, thoroughly trenched or subsoiled, and enriched by a judicious application of fertilizing material*. It is still the current opinion, based on experience, that for all purposes well-composted *barn-yard manure*, when available, is the best material. We do not deny, however, that several of the concentrated manures, now manufactured, are useful and convenient, especially for a succession of crops.

The exposure of a garden has much to do with the early maturity of the crops; an exposure to the morning sun is desirable. The soil must be in a friable state to secure the prompt vegetation of the seeds, and the destruction, or rather prevention, of weeds, is one of the most desirable results of frequent stirring of the surface. Soils are susceptible of alteration and improvement in texture; heavy clays can be rendered open and porous, and light sandy soils may be consolidated and rendered more retentive of moisture. For all such details we must refer the amateur to more extensive treatises on these subjects, to be found in our "Farmer's and Gardener's Library," page 95.

GARDEN REQUISITES.—There are several aids to the economical management of the garden, which are almost indispensable; one of these is the **HOT-BED** frame for the forwarding of plants for early planting. A frame, such as is shown in the cut, may be made of various

sizes, according to the size of garden, from four sashes upwards. The length of sash is generally seven feet by three and a half wide, the size of glass six by eight inches, making the entire frame of four sashes fourteen by seven feet. The frame should have a southern or south-eastern exposure, should be made up with fresh horse manure and a few leaves mixed with it: this must be laid in a heap preparatory to being used, and when in a proper state of fermentation, prepared for the reception of the frame. A few inches of rich loamy soil must be spread over the manure, then cover the frame with the sashes and after standing a few days to allow the rank heat and steam to pass off, the seed can be sown. Where the ground is well drained, a better plan is to dig out a space the size of the frame, from one to two feet deep, according to the season and the heat required, in which the manure is placed, care being taken to pack it firmly and evenly.

The Cold frame for wintering Cabbage, Cauliflower, Lettuce Plants, etc., should be constructed of inch boards one foot high at the back by nine inches high in front and six feet wide; five short posts to the length of sixteen feet boards will answer to keep in position. The shutters

should be six feet four inches long by three feet wide, made of three-quarter inch boards. The soil should be enriched by old manure unless in good order; the object being to preserve and not to grow during the winter. Give plenty of air by raising the shutters, but on no consideration open the frame or expose the plants to the sun when the ground or plants are frozen.

Very many who read this article on hot-beds and cold frames have never seen either, and are perhaps never likely to have one; to such there is an excellent substitute on hand in most dwellings, in the kitchen or basement windows, facing South or East, inside of which is a temperature usually not far from that required for the vegetation of seeds, and where seeds of early vegetables, or tender plants for the flower border, may be raised nearly as well and with far less attention than in a hot-bed.

In addition to the Hot-bed frame, mats or shutters will be required to cover the sash during cold days and nights. To work the garden, the necessary implements—spade, fork, shovel, rakes, hoes, trowel, garden-line and reel, watering pot, and wheelbarrow, are the most important.

ROTATION OF CROPS.—We are convinced of the importance of a regular rotation of the Esculent crops. To convey the idea briefly, we present a diagram of the garden as laid out to secure this result.

A, B, C & D, four compartments in which to plant various crops, alternately; a to i, small compartments round the border for nursing plants, sweet herbs, and setting out permanent beds of Asparagus, Artichoke, Rhubarb, etc. The border facing South should be protected on the North side by a close board fence or wall, and will be found useful for sowing early Radish, Lettuce, Beets, &c., and setting out Tomatoes, Egg-plants, etc. The waved line represents a grape trellis; the entrance is at E. This plan may be carried out in a garden of greater or less extent.

REMARKS ON THE FAILURE OF SEEDS.

FROM a conviction that the Seedsman's fair reputation is often unjustly defamed, through the failure of seeds, we would with brevity state some of the causes :

1. That some cultivators, through ignorance or forgetfulness of the fact that the products of a garden, being natives of various soils and climates, require peculiar management, deposit their seeds in the ground at an improper season. To aid such we have prepared brief directions, founded on practical experience in the vicinity of Philadelphia, where gardening operations are generally commenced early in March. These directions may, however, be applied to all other parts of the United States, by a *minute observance* of the difference in temperature.

Thus, to the North, the directions for March will apply to April; and at the South, to January, February or whatever season gardening operations may commence in the respective States. The early and most hardy species and varieties should not be planted until the ground can be brought into good condition, as some species of plants, that in an advanced stage of growth will stand a hard winter, are often cut off by a very slight frost while young, especially if exposed to the sun after a frosty night.

2. That some species of seeds, such as Beans, Beet, Cabbage, Lettuce, Radish, Salsify, Turnip, &c., being from their nature apt to vegetate quickly, are often destroyed while germinating, through variableness of the weather, and some are liable to be devoured by insects in forty-eight hours after they are sown, and before a plant is seen above ground, unless a suitable remedy is applied in time to annoy the insects.

3. That some species, as Carrot, Celery, Leek, Onion, Parsley, Parsnip, Spinach, &c., being naturally of tardy growth, taking (in unfavorable seasons) from two to three or four weeks to vegetate, are apt to perish through incrustation of the soil, or other untoward and unaccountable circumstances which cannot always be controlled.

4. That the failures often occur through Seeds being deposited too deeply in the ground, or left too near the surface. Sometimes, for want of sufficiency of Seed in a given spot, solitary plants will perish, they not having sufficient strength to open the pores of the earth, and very frequently injudicious management in manuring and preparing the soil will cause defeat.

For instructions on these and any other subjects of Gardening, the reader is referred to "American Gardener's Assistant," or "Burr's Garden Vegetables."

Extract.—Some Gardeners raise Egg-Plants, &c., in the same hot-bed frame with Cabbage, and such other half hardy plants as require air every mild day; by such management one or the other must suffer for want of suitable aliment—*heat* being the principal food of tender plants, and *air* that of the more hardy species.

USEFUL TABLES.

The following tables may be useful to the Farmer and Gardener in showing the number of plants or trees that may be raised on an acre of ground ; also, the quantity of seed required for an acre, with the number of plants that can be grown from an ounce of seed, should the weather be favorable and the seed be preserved from the destruction of insects. We would however recommend a slight increase on the quantities to allow for these contingencies.

DISTANCE APART.	NO. OF PLANTS.	DISTANCE APART.	NO. OF PLANTS.
1 ft. by 1 ft.....	43,560	6 ft. by 6 ft.....	1,210
1½ " 1½ "	19,360	8 " 8 "	680
2 " 1 "	21,780	9 " 9 "	537
2 " 2 "	10,890	10 " 10 "	435
2½ " 2½ "	6,969	12 " 12 "	302
3 " 1 "	14,520	15 " 15 "	193
3 " 2 "	7,260	18 " 18 "	134
3 " 3 "	4,840	20 " 20 "	103
4 " 4 "	2,722	25 " 25 "	70
5 " 5 "	1,742	30 " 30 "	48

QUANTITY OF SEED USUALLY SOWN TO THE ACRE.

Beans, Dwarf,	in drills... 1 bu.	Melon, Water,	in hills... 1½ lbs.
" Pole,	in hills... ¼ "	Onion (for bulbs),	in drills... 6 "
Corn,	" 6 qts.	" (for sets),	" 30 "
Peas,	in drills... 1½ bu.	" Sets (small),	" 10 bu.
Potatoes (cut tubers),	" 10 "	Parsnip,	" 4 lbs.
Beets,	" 4 lbs.	Radish,	" 5 "
Carrot,	" 2 "	Spinach,	" 15 "
Cabbage,	in hills... ½ "	Salsify,	" 8 "
Cucumber,	" 1 "	Squash,	in hills... 2 "
Melon, Musk,	" 1 "	Turnip,	in drills... 1½ "

GRASS SEEDS TO THE ACRE.

White Clover.....	10 lbs.	Blue and Green Grass.....	3 bu.
Red "	15 "	Rye "	2 "
Lucerne "	15 "	Orchard "	3 "
Alsike "	15 "	Red Top "	2 "
Timothy	12 "	Mixed Lawn "	3 "

NUMBER OF PLANTS PRODUCED FROM ONE OUNCE OF SEED, AS FOLLOWS:

PLANTS.		PLANTS.	
Asparagus.....	about 500	Kale.....	about 2,000
Broccoli.....	" 2,000	Leek.....	" 1,000
Cabbage.....	" 2,000	Lettuce.....	" 3,000
Cauliflower.....	" 2,000	Pepper.....	" 2,000
Celery.....	" 3,000	Tomato.....	" 3,000
Egg Plant.....	" 1,000	Sage.....	" 1,000
Endive.....	" 3,000	Thyme.....	" 5,000

SELECT LIST OF VEGETABLE SEEDS,

Embracing all the leading varieties suited to the wants of the Market Gardener as well as the Family Garden.

The facilities offered for sending seeds by mail enable all who desire fresh and genuine seeds to send direct to the grower. For prices by the pound and bushel, see Market Gardener and Farmer's price list, page 37.

ARTICHOKE.

Artichaut, FR. *Alcachofa*, SPAN. *Artischoken*, GER.

LARGE GREEN GLOBE, per oz. 50 cts.

Plant the seeds early in April, in rich soil, in drills one inch deep, and about twelve inches apart. When one year old transplant in well-manured ground, in rows five feet apart, and two feet from plant to plant. Protect during the winter by throwing up ridges of earth, and covering with manure or leaves.

ASPARAGUS.

Asperge, FR. *Esparragos*, SPAN. *Spargel*, GER.

LARGE GREEN, per oz. 10 cts. CONOVER'S COLOSSAL, per oz. 10 cts.

For Roots of the above, see page 35.

Sow in March or April, in rich soil. Soak the seed in warm water for 24 hours. Drill it thinly in rows a foot apart. When two years old, transplant into permanent beds, which should be well and deeply manured. Set out the plants from three to four feet apart each way and six inches deep. On the approach of winter clear off the bed, and cover with a dressing of manure, or compost; fork up the beds early in the spring, and apply a dressing of salt annually to the bed, after the season of cutting—which is not only beneficial to the plants, but will keep the bed clear of weeds.

BEANS—English Dwarfs.

Fève de Marais, FR. *Haba*, SPAN. *Puffbohnen*, GER.

EARLY MAZAGAN, per qt. 40 cts. BROAD WINDSOR, per qt. 40 cts.

These varieties are grown extensively in Europe, but little esteemed in this country.

To succeed well, these must be planted early, as the summer heat causes the blossoms to drop off prematurely. Being quite hardy, plant as soon as the frost is out of the ground, in strong, loamy soil, in drills two feet apart. Pinch off the tops as soon as the lower pods begin to fill.

On Beans, 30 cts. per qt. additional, when ordered to be sent by mail.

BEANS—Dwarf, or Snap-Short.*Haricot, FR. Frijoleno, SPAN. Buschbohnen, GER.*

	Per qt.		Per qt.
EARLY MOHAWK.....	.30	GERMAN WAX (Black seed).....	.40
LONG YELLOW SIX WEEKS .	.30	WHITE WAX (White seed).....	.40
EARLY CHINA RED EYE.....	.30	WHITE MARROWFAT.....	.30
REDSPECKLED VALENTINE....	.35	WHITE KIDNEY.....	.30
REFUGEE OR BROWN VALEN-		RED FRENCH OR MARROW...	.30
TINE.....	.30	TURTLE SOUP, BLACK.....	.30
NEWINGTON WONDER.....	.30	EARLY VALENTINE (white sd.)	.60

All the varieties of this class are tender, and will not bear the cold. The first three on the list are considered the hardiest, and are generally the first planted. The Valentine and German Wax are, however, the favorite varieties in this market, the pods being round and stringless. The Wax Beans are a valuable variety, the pods are a waxy yellow, transparent, tender and stringless. Plant about the middle of April, and at intervals throughout the season for a succession, finishing about the 15th of August. The best mode of culture is in rows two feet apart, and the beans two or three inches in the rows. Keep well hoed, and draw the earth up to their stems.

BEANS—Pole or Running.*Haricots à rames, FR. Frijol vástago, SPAN. Stangenbohnen, GER.*

	Per qt.		Per qt.
LARGE LIMA.....	.50	HORTICULTURAL.....	.40
CAROLINA OR SEWEE.....	.50	CRANBERRY, WHITE.....	.40
GERMAN WAX (Black seed)....	.50	SCARLET RUNNER.....	.50
GIANT WAX (Red seed).....	.60	WHITE DUTCH RUNNER.....	.50

Plant about the middle of May. The Lima Beans are very susceptible of cold and wet, and apt to rot in the ground, and should not be planted until the season is favorable and the ground warm. Fix poles in the ground, four feet apart each way, and plant four to six beans about half an inch deep around each pole, placing the eyes downwards, and thin out to three plants to a pole, if the soil be rich; pinch off the ends when the plants overrun the top of the poles, to effect more perfect growth below. A shovelful of rich, light, and well-rotted compost to each hill, well incorporated, will be beneficial. They transplant easily if grown in frames. The German Wax and Giant Wax are superior varieties as snap-shorts, the pods being very tender and stringless. The latter, of our introduction, forms pods from six to nine inches long, thick and fleshy, of a pale yellow color and waxy appearance.

Fearing Burr, Esq., author of the "Vegetables of America," states: "I have given the Giant Wax Bean a fair trial, and am happy to say that it has proved everything you claimed it to be; when the plants were in full perfection, the poles displayed a mass of fine, large, waxen-white pods from the top to the bottom." The editor of the *American Agriculturist* describes it thus: "The pods are from six to nine inches long, thick and fleshy, of a pale yellow color, and waxy appearance; the seeds are red. The peculiarity about this variety is, that its pods, even when full grown, are perfectly tender, and may be used as snap-beans. We have tried them both separately and in succotash, and consider them really delicious. The variety is a pole or running bean. We welcome it as a valuable addition to our list of varieties."

For Dreer's Improved Lima Beans, see page 30.

On Beans, 30 cts. per qt. additional, when ordered to be sent by mail.

BEET.

Betterave, FR. *Bettaraga*, SPAN. *Rothe oder Runkel rübe*, GER.

10 cts. per oz., except where noted.

EGYPTIAN BLOOD TURNIP.....	.20	BASTIAN'S HALF LONG BLOOD,	
BASTIAN'S EX. EARLY RED.....	.20	per oz. 20 cts.	
EXTRA-EARLY BASSANO.		SWISS CHARD.	
SIMON'S EX. EARLY RED.		SILESIAN, OR SUGAR.	
EARLY BLOOD RED.		LONG RED MANGEL-WURZEL.	
LONG BLOOD-RED.		YEL. GLOBE MANGEL-WURZEL.	

Sow in well-enriched ground, in drills, from April to June; thin out the plants to stand six or eight inches apart. The turnip varieties can be sown as late as the middle of July, for a winter crop; these are preferred by many to the late varieties that sometimes become woody. The first seven are esteemed the best for table use. The Egyptian is in form like a flat turnip, and very early. The Bastian's Extra Early is the perfection of a beet, of quick growth, turnip form, bright color, and profitable for the Market Gardener, one of the best for family use. Bastian's Half Long is a valuable variety to follow the preceding.

The leaves of the Swiss Chard are used as Spinach and the mid-rib of leaf dressed as Asparagus. The last three named varieties are used principally for feeding stock, and where extensively grown, the rows should be wide enough apart to cultivate with a horse hoe.

BORECOLE.

Chou vert, FR. *Breton*, SPAN. *Blätter Kohl*, GER.

	Per oz.		Per oz.
DWARF GERMAN KALE.....	.10	SCOTCH KALE.....	.10
TALL GERMAN KALE.....	.25	RED, OR PURPLE KALE.....	.25

An excellent green for winter and spring use. Sow from May to June. Set out the plants in July, in good rich ground. For early spring use, sow the Dwarf German, in September, and protect over winter, with a covering of straw or litter.

BROCCOLI.

Chou Brocoli, FR. *Broculi*, SPAN. *Spargel Kohl*, GER.

EARLY PURPLE CAPE...per oz.	.60	EARLY WHITE CAPE.....per oz.	.75
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Produce heads in autumn like Cauliflower. The Cape varieties are best adapted to our climate. Sow about the middle of May, transplant and manage as winter Cabbage, in well-enriched soil. For an early crop the seed should be sown in a hot-bed and managed as early Cauliflower. It succeeds best in a moist soil and climate, and in the South it can be had in perfection from November to March.

BRUSSELS SPROUTS.—25 cts. per oz.

Chou de Bruxelles, FR. *Breton de Bruselas*, SPAN. *Rosenkohl*, GER.

Produces from the stem small heads, resembling Cabbage in miniature. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May, and manage as winter Cabbage.

For Beets by the pound, see page 37.

1. SCARLET SHORT-HORN CARROT.
2. EARLY SCARLET HORN CARROT.
3. HALF-LONG SCARLET CARROT.
4. LONG ORANGE CARROT.

5. LONG BLOOD-RED BEET.
6. BASTIAN'S EXTRA EARLY RED BEET.
7. EGYPTIAN BLOOD TURNIP BEET.
8. BASTIAN'S HALF-LONG BLOOD BEET.

CABBAGE.*Chou Pomme, FR. Repollo, SPAN. Kopf-Kohl, GER.*

	Per oz.		Per oz.
EARLY YORK.....	.20	RED DRUMHEAD.....	.40
EARLY OXHEART.....	.30	RED DUTCH FOR PICKLING..	.30
EARLY SUGAR LOAF.....	.20	LARGE LATE DRUMHEAD.....	.50
EARLY LITTLE PIXIE.....	.25	LARGE FLAT DUTCH.....	.50
LARGE EARLY YORK.....	.20	MAGDEBURG FLAT DUTCH.....	.30
EARLY WINNIGSTADT.....	.30	EARLY DWARF ULM SAVOY..	.30
EARLY JERSEY WAKEFIELD..	.50	GREEN CURLED SAVOY.....	.20
EARLY FLAT BRUNSWICK.....	.30	LARGE DRUMHEAD SAVOY.....	.20

The first column contains the early sorts, which may be raised as follows: Sow the seed in well-prepared ground, about the 15th of September. When the plants are large enough to transplant, pick them out of the seed bed, into frames. Protect the plants during severe weather, with a covering of boards, observing to give them plenty of air and light during mild weather. Large plants are liable to run to seed, should the winter be mild. Make rather two sowings and select small but stocky plants. They may also be raised by sowing the seed very early in the spring, in hot-beds—afterwards plant out in deep and well-manured ground, in rows two feet apart.

The autumn and winter sorts, sow in April or early in May, in a moderately shaded border, in shallow drills, three or four inches apart.

Transplant early in July, in rows thirty inches apart. Cabbage succeeds best in a fresh, rich soil, well manured and deeply dug or plowed. The late plants are subject to attacks of the cabbage fly, destroying them as fast as they appear above ground. Various remedies are recommended for the preservation of the plants, such as sprinkling them with wood-ashes, air-slack lime, plaster, or tobacco, which should be performed early in the morning.

The Oxheart and Jersey Wakefield varieties are grown largely for the Philadelphia markets, having nearly superseded the York and Sugar Loaf, the former being quite as early and producing much larger heads, the latter coming in at once after the Oxheart has been cut. The Philadelphia Flat Dutch and Drumhead are the favorite late varieties. We flatter ourselves on having a pure and superior stock of these sorts.

CAULIFLOWER.*Chou Fleur, FR. Coliflor, SPAN. Blumen Kohl, GER.*

	Per oz.		Per oz.
EARLY LONDON.....	\$.75	LARGE WALCHEREN.....	\$.75
HALF EARLY PARIS.....	1.00	LARGE LE NORMAND.....	1.50
EARLIEST DWARF ERFURT... 2.00		LE NORMAND SHORT-STEM... 2.00	

Sow for early about the middle of September, in a bed of clean rich earth. Transplant in frames and cover with sashes and shutters during severe weather, giving them light and air every mild day.

Transplant in the spring as soon as the frost leaves the ground into a bed of the richest earth, two and a half feet apart. Keep them well hoed and bring the earth gradually up to their stems. The Cauliflower succeeds best when planted in frames at the close of winter, and brought to maturity before the summer heat sets in. The late variety matures in the autumn, and is sown and managed similarly to Cape Broccoli.

The Early Dwarf Erfurt and Short-stem Le Normands are grown largely for this market.

For prices of Cabbage by the pound, see page 37.

1

2

3

4

1. EARLY OXHEART CABBAGE.

2. LARGE LATE DRUMHEAD CABBAGE.

3. LENORMAND'S SHORT-STEMMED CAULIFLOWER.

4. ENGLISH PRIZE CUCUMBER.

CARDOON.*Cardon*, FR. *Cardo*, SPAN. *Kardonen*, GER.

LARGE SOLID STALKED, per oz. 50 cts.

Is much cultivated in Europe for culinary purposes. The stem of the leaves, which are thick and crisp, after being blanched, are the eatable parts, and are generally used in soups or stews. They are in perfection during the autumn and winter. Sow in April; and when one year old transplant in trenches of well-manured ground, plant two feet apart; the roots remain from year to year; blanch by earthing up in the fall.

CARROT.*Carotte*, FR. *Zanahoria*, SPAN. *Möhren*, GER.

Per oz.		Per oz.	
SCARLET SHORT-HORN.....	.15	LONG ORANGE.....	.15
EARLY SCARLET HORN.....	.15	ALTRINGHAM OR FIELD.....	.10
HALF-LONG SCARLET.....	.15	LARGE WHITE BELGIAN.....	.10

The first three are the best early varieties for table use. For an early crop sow when the ground is in working order, for a late crop sow in June and July; when sown late they excel the late varieties for table use. The first on the list is the early forcing variety prized for its superior flavor. The last three are suitable for a main crop. Sow in May and June in well-dug, rich loamy soil, in drills about twelve inches apart, thin out to stand four inches in the rows. The Long Orange is preferred by dairymen. The most suitable ground for Carrots is that which has been well manured for previous crops.

CELERY.*Celeri*, FR. *Apio*, SPAN. *Sellerie*, GER.

Per oz.		Per oz.	
DREER'S WHITE SOLID.....	.40	COLE'S CRYSTAL WHITE.....	.30
COLE'S DEFIANCE RED.....	.30	DWARF WHITE SOLID (<i>extra</i>)..	.30
SEYMOUR'S WHITE SOLID.....	.30	CELERIAC, OR TURNIP-ROOTED	.30

Sow the last of March or early in April, in rich mellow ground, in shallow drills, and in a situation where the plants can be protected from the parching heat of a summer sun; in dry weather water freely. By rolling or pressing in the seed the result has been more satisfactory than when covered. When the plants are five or six inches high, transplant a portion in trenches or on the level; the dwarf varieties three feet, the tall sorts four feet between the rows, and repeat at intervals of two or three weeks for a succession. As they advance in growth, blanch by earthing up, which should be performed gradually in fine weather, taking care not to bury the hearts of the plants. The Celeriac, or Turnip-rooted, may be planted either on level ground or in shallow drills. The root of it swells like a turnip, and may be preserved in sand through the winter; this is cooked and dressed similar to Beets. To store for winter use, on well-drained ground dig trenches one foot wide and deep enough to cover the tops of the plants. Pack the stalks in this horizontally, cover with boards to shed the water and in severe weather protect with straw or leaves. On wet soils place the stalks four layers deep on either side of a ridge, cover with four inches of soil and protect as described above. When wanted for use open at one end.

For Celery and Cabbage Plants, see page 35.

1. DREER'S WHITE SOLID CELERY.
2. EARLY RUSSIAN CUCUMBER.
3. EARLY WHITE-SPINED CUCUMBER.

4. N. Y. IMP. LARGE PURPLE EGG-PLANT.
5. GREEN CURLED SAVOY CABBAGE.
6. LARGE LONDON LEEK.

CHERVIL.—Per oz. 20 cts.*Cerfeuil*, FR. *Perifolio*, SPAN. *Garten Körbel*, GER.

Used as a small salad, and for seasoning like Parsley. Sow in drills one foot apart, in the spring and at intervals.

CHICORY—Large-rooted.—Per oz. 10 cts.

Sow in April. Cultivate like Carrots. Cut up and dry the roots, roast and grind like coffee. Used to mix with or as a substitute for coffee.

CORN SALAD.—Per oz. 10 cts.*Mache*, FR. *Canonigos*, SPAN. *Ackersalat*, GER.

Used as a small salad throughout the winter and spring. Sow on the opening of spring, in drills one foot apart; it will mature in six to eight weeks. For winter and early spring use sow in drills in August and September. Cover with straw on the approach of winter.

CORN—Garden Varieties.

Thirty cts. per qt. additional, when ordered to be sent by mail.

Mais, FR. *Maiz*, SPAN. *Welschkorn*, GER.

	Per qt.		Per qt.
ADAM'S EXTRA EARLY.....	.25	EXTRA EARLY SUGAR.....	.25
TUSCARORA EARLY.....	.30	LARGE SWEET.....	.30
CROSBY'S EARLY SUGAR.....	.30	EVERGREEN SWEET.....	.25

Plant about first week in May and at intervals. The above varieties are the best for table use. Adam's Early is the hardiest, and can be planted about the middle of April, and is the first corn that appears in the market, but cannot compare with the Sugar, or the Evergreen, which are the best for table use. The Crosby's Early is the earliest of the sugar varieties; ears of good size, productive and very sweet.

The Sweet or Sugar varieties being liable to rot in cold or wet ground, should not be planted until May, and for a succession, continue planting every two weeks, until the middle of July, in well-manured ground, in hills three feet apart, or in rows eight inches apart.

CRESS.*Cresson*, FR. *Mastuerzo*, SPAN. *Garten Kresse*, GER.

CURLED OR PEPPER GRASS, per oz. .10 TRUE WATER, per oz. .50

Extensively used as a small salad. Sow at intervals throughout the season for a succession, as it soon runs to seed. The Cresses are healthful and excellent salad plants. The Water Cress requires a stream of running water, in which it will grow without care, except keeping at first weeds from interfering with it. It is easily introduced by planting along the margins of ditches or streams, and increases rapidly by the spreading of the roots or from the seed; is of an agreeable pungent taste.

CUCUMBER.*Concombre*, FR. *Cohombro*, SPAN. *Gurke*, GER.

	Per oz.		Per oz.
EARLY RUSSIAN.....	.15	LONG GREEN TURKEY.....	.15
EARLY FRAME.....	.15	GHERKIN, OR BURR.....	.30
EARLY WHITE-SPINED.....	.15		

The first three are the earliest and most esteemed table varieties.

The White-Spined retains its color longer than any other variety, and is largely grown for our markets. The Long Green and Gherkin are used for

For Prices by the Quantity, see page 38.

pickling. For early use, plant first week in May, on hills about four feet apart; the hills should be previously prepared with a shovelful of well-rotted manure; thin out to four plants after all danger from insects is over. For pickles, plant from June until the middle of July.

ENGLISH PRIZE CUCUMBERS.

In packages; 25 cts. each.

CHAMPION OF ENGLAND.	EDWARD'S ECLIPSE.
SIR COLIN CAMPBELL.	COOLING'S PROLIFIC.
GENERAL CANROBERT.	PIERSON'S LONG GUN.
SION HOUSE, IMPROVED.	GIANT OF ARNSTADT.
ROMAN EMPEROR.	MANCHESTER PRIZE.
GLORY OF ERFURT (White).	CARTER'S PROLIFIC.

These are the favorite varieties for forcing, frequently attaining a length of thirty inches. These sorts can be grown in hot-beds or hot-houses where the temperature does not fall below 65° at night. Plant in the centre of a sash.

EGG-PLANT.

Aubergine, FR. Berengena, SPAN. Eierpflanze, GER.

	Per oz.		Per paper.
EARLY OVAL PURPLE.....	.40	SCARLET (Ornamental).....	.10
NEW YORK IMP. PURPLE.....	.60	LONG WHITE (Ornamental)....	.10

The first two are the kinds usually cultivated for table use. The New York Improved Large Purple being free of thorns, productive, and growing very large is the most desirable for a general crop—the others are ornamental varieties.

Sow in hot-beds early in March. When three inches high transplant into small pots, which plunge into the same bed, so that the plants may become stocky, and are readily planted out from the pots when the season becomes sufficiently warm, say June; transplant into thoroughly worked and well-enriched soil about three feet apart each way.

Draw the earth up to their stems when about a foot high. Egg-plant seed will not vegetate freely without substantial heat, and if the plants get the least chilled in the earlier stages of growth, they seldom recover. Repeated sowings are sometimes necessary. Care should be observed in cutting the fruit so as not to disturb the roots of the plant.

ENDIVE.

Chicoree, FR. Endivia, SPAN. Endivien, GER.

	Per oz.		Per oz.
GREEN CURLED.....	.25	GREEN CURLED MOSS.....	.40
EARLY WHITE CURLED.....	.30	BROAD-LEAVED BATAVIAN....	.30

The Green Curled is considered the hardiest. Sow in July, in shallow drills. When two or three inches high, transplant into good ground, or thin out at a distance of a foot apart. Blanch by tying up, which must be done when quite dry, or they will rot. At the approach of winter, the growing crop may be taken up carefully, with a ball of earth to each plant, and planted close together in a frame or dry cellar, when it can be used during the winter prepared and dressed like a salad.

The Early White, self-blanching, is by far the finest curled variety, grows to a large size, and very tender.

For Grass Seeds, see page 29.

KOHL-RABI, or Turnip-rooted Cabbage.*Chou Rave*, FR. *Cal de nabo*, SPAN. *Kohl Rabi*, GER.

	Per oz.		Per oz.
EARLY WHITE VIENNA.....	.30	LARGE LATE BLUE.....	.20
EARLY BLUE VIENNA.....	.30	LARGE LATE WHITE.....	.20

This is a favorite vegetable in Europe, especially on the continent, where it is extensively grown for feeding cattle, and is thought to keep better than Turnips; when fed to cows it imparts no unpleasant taste to the milk. It is steadily gaining favor in this country. Sow in April, and thin out or transplant in rows, twelve inches apart. For late use, sow in June and July.

KALE—See Borecole.

SEA KALE, per oz. 30 cts.

Chou Marin, FR. *Col. Marina*, SPAN. *See Kohl*, GER.

Is much esteemed in England, in some parts of which it grows spontaneously. The seed may be sown in October, or as early in the spring as the ground can be worked. Plant in hills about two feet apart.

For further directions see "American Gardener's Assistant."

LETTUCE.*Laitue*, FR. *Lechuga*, SPAN. *Garten Salat*, GER.

	Per oz.		Per oz.
EARLY CURLED SILESIA.....	.25	WHITE OR ICE COSS.....	.30
EARLY BOSTON CURLED.....	.30	PARIS GREEN COSS.....	.30
EARLY STONEHEAD.....	.30	BROWN DUTCH.....	.30
EARLY TENNISBALL.....	.25	CURLED INDIA HEAD.....	.40
EARLY WHITE CABBAGE.....	.30	PERPIGNAN.....	.40
EARLY SIMPSON.....	.25	HARDY HAMMERSMITH.....	.25
DUTCH BUTTER (Spotted).....	.40	HANSON.....	1.00
ROYAL CABBAGE.....	.25	ALL THE YEAR ROUND.....	.40

The Early Curled and Boston Curled are used as a cut salad, for which purpose they are sown thickly in frames, early in the spring, and somewhat later in the open borders. Early Stonehead, Dutch Butter (spotted), Early Tennisball and Early Simpson are the earliest heading varieties, producing fine salad-heads and the best for forcing and early planting. The Early Cabbage or Imperial Butter is a fine early heading variety, and also suitable for fall sowing in connection with Brown Dutch and Hammersmith, all of which will stand out over winter with protection. The Royal Cabbage, Curled India, Perpignan, and Dutch Butter (spotted) produce fine solid heads and stand the summer heat well. The Hanson produces remarkably large heads, deliciously sweet, tender and crisp. The Coss varieties form long upright heads of narrow leaves, which are crisp and refreshing. To grow Head Lettuce fine, sow the seed in September; protect the plants during the winter in frames, and plant out early in April in rich moist ground, or sow in hot-beds in February or March, and afterwards transplant. For successive crops, sowings may be made in the open ground as early as spring opens until July; at the latter season sow and transplant in a cool moist place.

For Hanson Lettuce, see page 32.

1. KOHL-RABI, EARLY VIENNA.
2. EARLY CABBAGE LETTUCE.
3. BOSTON CURLED LETTUCE.

4. NETTED CITRON MUSK-MELON.
5. WHITE JAPAN MUSK-MELON.
6. MOUNTAIN SWEET WATER-MELON.

LEEK.*Poireau, FR. Puerro, SPAN. Lauch, GER.*

	Per oz.		Per oz.
LARGE LONDON.....	.25	LARGE MUSSELBURG, very fine	.40
LARGE ROUEN.....	.30		

The Leek is very hardy; the whole plant is eaten, employed in soups, boiled with meat, etc., reputed more delicate than the Onion. Sow early in April. When the plants are four or five inches high, transplant in a deep rich soil in rows wide enough apart to work with a hoe.

MARTYNIA PROBOSCIDEA.

Per oz. 40 cts.

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

MELON-MUSK.*Melon Muscade, FR. Melon Muscatel, SPAN. Melone, GER.*

	Per oz.		Per oz.
JENNY LIND.....	.10	LARGE NETTED NUTMEG.....	.15
NETTED CITRON.....	.10	WARD'S NECTAR.....	.20
NETTED PINE APPLE.....	.15	WHITE JAPAN.....	.20
TURKS' CAP.....	.15	CASABA.....	.20

All the above varieties can be recommended. The Jenny Lind is the earliest variety, small, round size, and of excellent flavor; the Casaba is a late variety of large oval size and superior quality. The Turks' Cap and Ward's Nectar are green-fleshed sorts of recent introduction, exquisite flavor. The White Japan, an early medium size, roundish variety; skin and flesh creamy-white; centre orange, fine flavor. Plant early in May, in hills of rich light soil, six feet apart each way; allow three plants to each hill after all danger from bugs is over. When about a foot long, pinch off the tips, to make them branch. When the ground is heavy, dig holes three or four feet in diameter and eighteen inches deep, fill these with a compost of well-rotted manure mixed with rich light soil and sand; raise the hills above the level. Observe not to plant pumpkins or squashes near them, as they will hybridize. The Netted Citron, Pine Apple and Nutmeg are old varieties of fine flavor, and the leading market sorts.

WATER-MELON.*Melon d'Eau, FR. Sandia, SPAN. Wasser Melone, GER.*

	Per oz.		Per oz.
MOUNTAIN SWEET.....	.10	BLACK ITALIAN (new).....	.15
MOUNTAIN SPROUT.....	.15	ICE CREAM, true.....	.20
BLACK SPANISH.....	.15	ORANGE.....	.20
CITRON (for preserving).....	.15	GYPSY.....	.15

The Mountain Sweet, Gypsy, and Black Italian are cultivated extensively for the Philadelphia market; when well-grown, they cannot be surpassed for size or quality. The Ice Cream is early, of large size, crisp scarlet flesh, thin rind, and white seed. The Orange is of small size; the flesh separates from the rind like an orange, and is an excellent variety for late use. The Water-melon thrives best in a sandy soil, and should be planted in hills eight feet apart each way. Prepare the hills and treat the same as described for Musk-melons.

For Prices by the Pound, see page 38.

MUSHROOM SPAWN.

Sold in the form of Bricks, at 30 cts. By mail, 50 cts.

Champignon, FR. *Seta*, SPAN. *Champignon brut*, GER.

Culture.—Mushroom beds are best made under cover. A dry cellar or shed will do. Collect fresh horse-droppings without straw, turn them over three or four times to get rid of the heat, dig out a foot deep of the space to contain the bed, lay some long manure at the bottom, and then the prepared dung, a little at a time, evenly and well beaten down until it is a foot above the ground; put a layer of light earth on this, two inches thick; after a few days when the rank heat has passed off place the spawn in the bed in lumps about two inches square and six inches apart, then cover with light earth an inch thick: beat it gently down all over. Cover the bed thickly with straw, and it out of doors, keep off rain, and protect from the cold with mats or boards. In about five weeks the Mushrooms should make their appearance.

MUSTARD.—Per oz., 10 cts.; per lb., 50 cts.; by mail, 65 cts.

Moutarde, FR. *Mostazo*, SPAN. *Senf*, GER.

WHITE OR YELLOW (English.) | BROWN OR BLACK.

Sown like Cress and used as a small salad. The White Mustard is also used for medicinal purposes.

NASTURTIUM, OR INDIAN CRESS.—Per oz., 20 cts.

Capucine grande, FR. *Capuchina*, SPAN. *Kapuziner*, GER.

The seed-pods and foot-stalks are gathered green and pickled in vinegar; resembling capers. The flowers are used for garnishing, and leaves for mixing with salads. Sow in drills, when all danger of frost is over, in light rich soil, and train on brush or trellises.

OKRA, OR GOMBO.

Gombo FR. *Quibombo*, SPAN. *Essbarer Hibiscus*, GER.

IMPROVED DWARF, LONG-PODDED, per oz. 10 cts.

The young green capsules of this plant are used in soups, stews, etc., to which they impart a rich flavor and are considered nutritious. Plant the seeds about the middle of May, in hills or drills; thin to three plants to the hill. Plant the seed thickly, as it is liable to rot in the ground; rich ground is necessary. The very young pods can be gathered and dried for winter use; the ripe seeds are used as a substitute for coffee.

ONION.

Ognon, FR. *Cebolla*, SPAN. *Zwiebel*, GER.

Per oz.		Per oz.	
WHITE OR SILVER-SKIN.....	.40	YELLOW DANVERS.....	.30
YELLOW STRASBURG.....	.30	RED WETHERSFIELD.....	.25

The Silver-Skin and Yellow Strasburg seed are of Philadelphia growth, as northern grown and imported seed will not produce sets. For sets, sow the seed as early as possible in the spring, very thickly, in beds or in drills with a seed drill. As soon as the tops die off in the summer, remove them to a dry, airy place; and early in the following spring replant in rows about four inches apart, the rows wide enough apart to admit of hoeing. The Onions, by this process, are obtained of a large size early in the season. They may be reared to full size during the

For Onion Sets and other Roots, see page 35.

1. LARGE SUGAR PARSNIP.
2. WHITE OR SILVER-SKIN ONION.
3. MARTYNIA PROBOSCIDEA (PICKLE).
4. YELLOW DANVERS ONION.

5. RED WETHERSFIELD ONION.
6. YELLOW STRASBURG ONION.
7. CHAMPION MOSS CURLED PARSLEY.

first season by sowing in drills early in March, in strong land, and thinning them out to stand two or three inches apart, keeping them well hoed: for this purpose the Red Wethersfield and Yellow Danvers are usually preferred.

The Onions delight in a strong, rich, deep soil; the ground should be heavily manured with well-rotted manure.

PARSLEY.

Persil, FR. *Perejil*, SPAN. *Petersilie*, GER.

	Per oz.		Per oz.
DOUBLE CURLED.....	.10	EXTRA CURLED.....	.15
CHAMPION MOSS CURLED.....	.15		

Sow early in April, in rows one foot apart, thin out to stand six inches apart. Soak the seed first in warm water, or sprout in damp earth, and sow when the seed swells or bursts. For winter use, protect in a frame or light cellar.

PARSNIP.

Panais, FR. *Chariberia*, SPAN. *Pastinake*, GER.

LARGE SUGAR OR HOLLOW-CROWNED, per oz. 10 cts.

This is decidedly the best variety. Sow as early in the spring as the weather will admit, in rich ground, well dug. Cultivate similar to Carrots. The roots improve by leaving in the ground over winter, securing enough in pits or the cellar for immediate use. Valuable for feeding stock as well as table use.

PEAS.

In ten cent packets, or by the quart at prices annexed.
Thirty cts. per qt. additional, when ordered to be sent by mail.

Pois, FR. *Guisante*, SPAN. *Erbsen*, GER.

Early Varieties.

	Height.	Per qt.
DREER'S EXTRA EARLY, the earliest, most prolific and even cropper. The crop can be gathered in two pickings. The market gardener's favorite.....	2 ft.	.40
CARTER'S FIRST CROP, the earliest English variety.....	2½ "	.30
*LAXTON'S ALPHA, the earliest blue-wrinkled prolific variety, of exquisite flavor.....	3 "	.40
TOM THUMB, very dwarf.....	10 in.	.40
DANIEL O'ROURKE, a prolific variety, ten days later than Dreer's Extra Early, sold under the name of Phila. Extra Early and several other synonyms.....	3 ft.	.30
*MCLEAN'S LITTLE GEM, a dwarf green-wrinkled variety, very prolific, of superior flavor.....	10 in.	.40
KENTISH INVICTA, a productive first early blue pea, of fine color and good quality.....	2 ft.	.50
*MCLEAN'S ADVANCER, prolific; well-filled long pods, early, tender, and of a delicious flavor.....	3½ "	.40
LAXTON'S PROLIFIC LONG POD, a valuable variety producing long pods containing 10 to 12 peas each.....	4 "	.40
*EUGENIE, a fine productive variety of good flavor.....	2 "	.40

Those marked thus * are Wrinkled Marrows, the finest flavored.

The Tom Thumb and Little Gem are the best early dwarf Peas; they require a rich soil, and are well suited from their dwarf habit for small gardens; can be planted in rows one foot apart.

For Peas by the Bushel, see page 38.

PEAS—Continued.

For General and Late Crops.

	Height.	Per qt.
*CHAMPION OF ENGLAND (one of the best).....	4 ft.	.30
*VEITCH'S PERFECTION, a large delicious marrow pea,	3 "	.60
*HAIR'S DWARF GREEN MARROW, fine flavored...	2½ "	.50
DWARF BLUE IMPERIAL, good prolific variety.....	2½ "	.30
*CARTER'S LEVIATHAN, of hardy constitution, free from mildew, producing peas of enormous size.....	6 "	.60
LARGE WHITE MARROWFAT, for market culture.....	3 "	.20
BLACK-EYE MARROWFAT, " " " ".....	3 "	.20
*FRENCH WRINKLED SUGAR, edible pods.....	2½ "	.60
DWARF SUGAR, edible pods.....	2 "	.50
TALL SUGAR, " " " ".....	6 "	.60

Those marked thus * are Wrinkled Marrows, the finest flavored.

Commence planting the early kinds as early in the spring as the ground can be worked. All the other sorts will answer for successive crops. To have Peas during the summer and autumn plant in June, July and August, in single or double rows, from two to four feet apart, according to height. Dreer's Extra Early is one of the best for early as well as late planting, and is extensively used by our market gardeners for a late fall crop; for which purpose plant in July and August.

PEPPER.

Piment, FR. Pimiento, SPAN. Pfeffer, GER.

	Per oz.		Per oz.
LARGE SWEET BELL.....	.30	CAYENNE, LONG RED.....	.40
SWEET MOUNTAIN.....	.40	CHERRY, RED.....	.40
TOMATO-SHAPED.....	.30	SMALL CHILI.....	.50

The three first are used and esteemed most highly, when green, for pickling. The Bell-Shaped and Sweet Mountain are quite mild, and attain a large size. The last three are used for flavoring and seasoning. Sow in hot-beds in March, or on a warm border early in May. Transplant in good rich ground, from 18 to 24 inches apart.

PUMPKIN.

Potiron, FR. Calabaza, SPAN. Kürbis, GER.

CASHAW (Crooked-necked) per oz. .10	LARGE CHEESE.....per oz. .10
MAMMOTH.....per oz. .30	FIELD.....per lb. .30

Plant in May in hills, eight or ten feet apart each way. The Cashaw is generally preferred for cooking, similar in many respects to the Yellow Crook-neck Winter Squash.

RHUBARB.—Per oz., 25 cts.

Rhubarbe, FR. Ruibarbo Bastardo, SPAN. Rhabarber, GER.

VICTORIA.

| LINNÆUS.

The stalks of this plant are used for pies and tarts. It is fit for use before green fruit appears, and is an excellent substitute. Sow in April; transplant the ensuing autumn or spring to any desired situation. To grow the stalks to perfection, the ground must be dug and heavily manured, at least two feet deep. Set out the roots four feet apart each way. As no dependence can be placed upon growing the varieties truly from seed, it is recommended to those who desire a choice article to procure the roots. See Esculent Plants, page 36.

For New Potatoes, see page 34.

RADISH.

10 cts. per oz., except where noted.

Radis et Rave, FR. *Rabano*, SPAN. *Rettig*, GER.

EARLY SCARLET OLIVE-SHAPED.
 EARLY WHITE OLIVE-SHAPED.
 WHITE TURNIP.
 RED TURNIP.
 FRENCH BREAKFAST.
 LONG SCARLET SHORT TOP.
 LONG SALMON SHORT TOP.

YELLOW TURNIP SUMMER.
 WHITE NAPLES SUMMER.
 WHITE SPANISH WINTER.
 LONG BLACK SPANISH WINTER.
 ROUND BLACK SPANISH WINTER.
 ROSE CHINA WINTER, 20 cts.
 WHITE CHINA WINTER, 20 cts.

The first column contains the varieties used for early sowings in gentle hot-beds during the winter and early spring, or on sheltered borders as soon as the ground can be worked. The ground should be well manured, dug and raked; they flourish best in a light mellow soil, and unless grown rapidly and well stimulated they become fibrous and tough. The French Breakfast is oval scarlet, tipped with white. The Yellow Turnip and White Naples are excellent for summer and fall use, standing the heat better than the other sorts. The last five on the list are sown in August for winter crops; they can be stored in a cellar or pit. The China varieties are milder than the Spanish sorts.

SALSIFY, OYSTER PLANT.—Per oz. 20 cts.*Salsifis*, FR. *Ostra Vegetal*, SPAN. *Haferwurz*, GER.

A fine vegetable used as Carrots; or, after being boiled, made into cakes with paste, and fried like oysters, which they resemble in flavor. Cultivate same as Parsnips; it is also hardy and can remain in the ground all winter for early spring use. The Salsify succeeds best in light, well-enriched, mellow soil dug two spades deep. Sow early in spring in drills fifteen inches apart; thin out to four inches apart.

SCORZONERA.—Per oz., 30 cts.*Scorsonere*, FR. *Escorzonera*, SPAN. *Schwarzwurz*, GER.

Known as Black Salsify. It is cultivated and used in the same manner as the Salsify.

SORREL—Garden.—Per oz., 20 cts.*Oseille*, FR. *Acedera*, SPAN. *Sauerampfer*, GER.

Used as a salad. Sow in April in rich mellow soil, in shallow drills; thin out the plants six inches apart.

SPINACH.

10 cts. per oz.; 60 cts. per lb., except where noted. By mail 75 cts.

Epinard, FR. *Espinaca*, SPAN. *Spinat*, GER.

ROUND-LEAVED SAVOY.
 FLANDERS (broad-leaved).

PRICKLY-SEEDED.
 NEW ZEALAND, per oz. 20 cts.

For spring and summer use, sow either broadcast or in drills as early as the ground can be worked. For winter and early spring use, sow in September, in well-manured ground; cover with straw on the approach of cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves.

For Seeds by the Pound, see page 39.

1. CASHAW PUMPKIN, OR WINTER CROOK-NECK SQUASH.
2. EARLY BUSH SQUASH.
3. HUBBARD SQUASH.
4. LONG SCARLET SHORT-TOP RADISH.

5. FRENCH BREAKFAST RADISH.
6. EARLY SCARLET OLIVE RADISH.
7. LONG RED MANGEL-WURZEL BEET.
8. PURPLE OR RED TOP TURNIP.
9. TROPHY TOMATO.

SQUASH.

Courge, FR. Calabasa Tontanera, SPAN. Kürbis, GER.

	Per oz.		Per oz.
EARLY BUSH, OR PATTY PAN.....	.10	MARBLEHEAD.....	.15
EARLY GOLDEN BUSH.....	.10	BOSTON MARROW.....	.15
LONG GREEN CROOK-NECK.....	.15	HUBBARD.....	.15

The varieties of the first column are the best for summer use. The Early Bush appears to be the favorite variety for summer use, as it is more extensively grown than any other, and being of a bushy habit, is more suitable for small gardens than the running kinds. The last column are superior winter varieties. The Marblehead is a new winter variety of great excellence and fine keeping qualities. Plant in hills in the same manner, and at the same time, as Cucumbers and Melons. The bush varieties three or four feet apart, and the running kinds from six to nine.

TOMATO.

Tomate, FR. Tomate, SPAN. Liebes Apfel, GER.

	Per oz.		Per oz.
EXTRA EARLY RED.....	.25	LARGE SMOOTH RED.....	.25
GENERAL GRANT.....	.30	PHILADELPHIA MARKET.....	.40
TROPHY, the largest.....	.50	LARGE YELLOW.....	.30
TILDEN.....	.30	RED AND YELLOW PLUM, each	.40
COOK'S FAVORITE.....	.30	CHERRY, Red and Yellow, each	.50
FEJEE ISLAND, true.....	.30	ARLINGTON, large solid.....	.40

The Extra Early curled leaf is desirable only for ripening a few days in advance of the other varieties. The Trophy is now the popular sort for family use. The fruit is of large size, solid, and fine-flavored. The Cook's Favorite, also a solid, smooth variety, medium size. The Fejee Island, large size, solid, and good flavor, but later in ripening than the other sorts. These three varieties can be recommended for general cultivation or family use; for putting up in cans for winter use they are superior, as they contain less water and seeds than other varieties. For early use sow in hot-beds, or boxes, early in March, and plant out in May, from four to five feet apart; pinch off the side branches to obtain early fruit. For late use sow in a sheltered border in May and set out the plants in July; the green fruit can be picked off before frost, and ripened under glass. By training the tomato vines on trellises or tying to stakes they will increase in productiveness, the fruit will ripen better and be of finer quality, not considering the ornamental part, than were they left to grow wild on the ground.

TURNIP.—Per oz. 10 cts.

Navet, FR. Nebo Comun, SPAN. Rübe, GER.

WHITE FLAT DUTCH, strap-leaved.	LONG WHITE FRENCH.
PURPLE OR RED TOP, strap-leaved.	LONG WHITE COW HORN.
TELLOW OR MARROW.	YELLOW ABERDEEN, OR SCOTCH.
ROBERTSON'S GOLDEN BALL.	PURPLE TOP RUTA BAGA.
POMERANIAN GLOBE.	GOLDEN GLOBE RUTA BAGA.
WHITE NORFOLK OR GLOBE.	CARTER'S IMPERIAL RUTA BAGA.

The first five on the list are the best for table use: the Flat Dutch is usually sown for early summer use, quite early in the spring, and also

For New Varieties of Tomato, see page 34.

with the Purple Top and Pomeranian Globe in July and August, for a main crop. Robertson's Golden Ball is highly recommended for culinary purposes. So is also the Teltow, a small, delicate-flavored variety grown largely in Europe and esteemed the best table variety; its peculiar flavor is in the outer rind, which should not be peeled when used. Long White French or Sweet German is increasing in favor either for table use or feeding stock, being productive and remarkably sweet and mild; sow in June and July. The Cow Horn grows very quickly, partly above ground; very productive and of good quality. The Norfolk, Aberdeen and Ruta Baga varieties are *principally used for feeding stock*. Sow Ruta Baga seed in June, or early in July, in drills two feet apart, and thin out to stand six inches apart, keeping the ground well stirred and clear of weeds. The Turnip varieties can be sown until September 1st, either in drills or broadcast, though it is not well to depend on such sowings, as an early winter may stop their growth. As Turnips are grown principally for consumption during the winter and early spring, a few brief hints for their preservation is necessary. Take up the roots in November, cut off the tops within an inch of the crown. Those for winter use can be stored away in a cool cellar or pit, and covered over with a few inches of dry earth. For early spring use, pile up in conical form, out of doors, cover carefully with long straw, and finish by earthing up, covering them with about 12 or 15 inches of earth; leave a vent or air-hole, by placing a bunch of straw in the top. Put away in this manner they will be found in good condition in the spring.

POT, SWEET AND MEDICINAL HERBS.

5 cts. per packet, except where noted.

	Per oz.	Per lb.
<i>Anise</i>	.10	\$1.00
<i>Basil, Sweet</i>	.20	2.00
<i>Bene</i>	.20	2.00
<i>Caraway</i>	.10	1.00
<i>Coriander</i>	.10	1.00
* <i>Dill</i>	.10	1.00
* <i>Fennel, Sweet</i>	.10	1.00
* <i>Lavender</i>	.30	3.00
<i>Marjoram, Sweet (American)</i>	10 cts.	8.00
<i>Marjoram, Sweet (Imported)</i>	.30	3.00
* <i>Sage</i>	.30	3.00
<i>Savory, Summer</i>	.20	2.00
* <i>Thyme</i>	.40	4.00
<i>Angelica</i>		
* <i>Balm</i>		
<i>Balsam Apple</i>		
<i>Balsam Pear</i>		
<i>Burnet</i>		
<i>Borage</i>		
<i>Cumin</i>		
<i>Elecampane</i>		
* <i>Horehound</i>		
<i>Marigold Pot</i>		
<i>Rue</i>		
* <i>Rosemary</i>	10 cts.	
* <i>Savory, Winter</i>		
* <i>Tansy</i>	10 cts.	
* <i>Wormwood</i>		

Those marked with a * are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow in April, in shallow drills; when up a few inches, thin out to proper distances, or transplant. No garden is complete without a few sweet aromatic or medicinal herbs for flavoring soups, etc., and care should be taken to harvest them properly. This should be done on a dry day just before they come into full blossom; then dry quickly in the shade, pack close in dry boxes or vessels excluded from the air.

For Turnips by the Pound, see page 39.

MISCELLANEOUS SEEDS, Etc.

The articles on this page when ordered to be sent by mail 30 cts. per qt., 15 cts. per lb., and Grass Seeds, 10 cts per qt., additional for postage.

<i>Apple Seed</i>	Per bush. \$10.00	Per lb. \$.50
<i>Pear Seed</i> , best imported.....		" 2.50
<i>Honey Locust</i> , for Hedges, etc.....		" 1.00
<i>Yellow Locust</i>		" 1.00
<i>Osage Orange</i> , for Hedges.....	Per bush. \$10.00	" .75
<i>Magnolia Grandiflora</i>	Per oz. .75	" 8.00
<i>Sorghum</i> , or Chinese Sugar Cane.....		Per qt. .30
<i>Broom Corn</i> , Dwarf.....		" .30
<i>Broom Corn</i> , Evergreen Dwarf.....	Per bush. \$5.00	" .50
<i>Flax Seed</i>	" 5.00	" .25
<i>Buckwheat</i>	" 2.00	" .20
<i>Sunflower</i> , Mammoth Russian.....		Per lb. .75
<i>Sunflower</i> , Large Common.....		" .50
<i>Celery Seed</i> , for flavoring Soups, Sauces, etc.....		" .60
<i>Castor Oil Bean</i>	Per oz. .15	" 1.50
<i>Opium Poppy</i> (white seed).....	" .20	" 2.00
<i>Tobacco</i> , best Havana.....	" .75	" 8.00
<i>Tobacco</i> , Connecticut Seed Leaf.....	" .40	" 4.00

BIRD SEEDS, Etc.

<i>Canary</i> , best Sicily, for Canaries, about.....	Per bush. \$12.00	Per qt. \$.50
<i>Mixed Bird Seed</i>	" 8.00	" .40
<i>Hemp</i>	" Parrots, and Sparrows...	" .20
<i>Millet</i>	" and Sparrows.....	" .20
<i>Rape</i>	" Linnets, etc.....	" .30
<i>Bird Sand</i>		" .05
<i>Maw</i> , for young and sick birds.....	Per packet, .10	Per lb. .50
<i>Bird Lettuce</i>	" .10	" 1.00
<i>Cuttle-Fish Bone</i>	Each, .05	" 1.00
<i>Mocking Bird Food</i> (prepared).....		Per bottle .50

GRASS AND CLOVER SEEDS.

Our mixture of Lawn Grass is unsurpassed either for lawns, parks or grass plats; it forms a thick compact growth of short growing varieties, following one another in succession, and can be highly recommended, as portions of Fairmount Park can testify.

<i>Lawn Grass</i> , finest mixture.....	Per qt. .25	Per bush. of 14 lbs. \$5.00
<i>Lawn Grass</i> , good mixture.....	" .20	" " 4.00
<i>Kentucky Blue Grass</i> , extra clean..	" .20	" " 3.00
<i>Natural Green Grass</i> , very fine.....	" .25	" " 4.00
<i>Orchard Grass</i>	" .25	" 12 lbs. 4.00
<i>Herd Grass</i> , or Red Top.....	" .15	" 10 lbs. 2.00
<i>Tall Meadow Oat Grass</i> . Valuable for permanent pasture, or hay for horses and cattle.....	" .25	" 14 lbs. 4.50
<i>English or Perennial Rye Grass</i>	" .25	" " 4.00
<i>Italian Rye Grass</i>	" .25	" " 3.50
<i>Timothy</i> , best quality.....	about	" 4.50
<i>Hungarian Grass</i>	about	" 2.50
<i>Sweet-Scented Vernal Grass</i>		Per lb. .50
<i>White Dutch Clover</i>		" .60
<i>Alsike</i> , or Hybrid Clover.....		" .50
<i>Lucerne (Alfalfa)</i> , or French Clover.....		" .60
<i>Red Clover</i> , best quality, (scarce).....	about.....	" .20

For Potatoes by the Bushel, see page 33.

NEW VEGETABLES,

Or varieties of recent introduction, and omissions in general list.

Price, 10 cents per packet, except when noted.

DREER'S IMPROVED LIMA BEAN.

This variety was introduced to notice in the Spring of 1875, is the result of more than thirty years careful selection, until it has established its present character, early maturity, prolificness and superior quality; while the shelling becomes an easy matter from the fact of the pods being entirely full, forming one against another like peas in a pod.

\$1.00 per pint. 20 cts. per packet.

TESTIMONIALS.

The AMERICAN AGRICULTURIST of November, 1874, says:

"In these beans the pods are not only full, with no spaces between, but are as full as they can stick, the seeds so crowding one another that the ends of the central beans are square; the bean is much thicker than the ordinary kind. A vine of this kind bearing the same number of pods as one of the ordinary variety would, we should judge, yield nearly if not twice as much in shelled beans. The pod being so completely filled, the shelling becomes an easy matter, and the beans when cooked are much superior to the ordinary ones, as the amount of skins is much smaller in proportion to the enclosed nutriment.

"We regard the improving of this bean as one of the most important of the recent contributions to horticulture."

GEO. PAIST, Chester Co., Pa., writes us under date of 11 Month, 17th, 1875:

"I bought of you last spring 120 of Dreer's Improved Lima Beans, planted them on May 15th; 119 beans grew and bore the best crop of beans I ever saw; (my crop of common Lima Beans in the same field were poor;) as some one stole a part of them I cannot give the full quantity raised. One pole shelled over four quarts green beans. A half peck of green pods shelled one-quarter peck of beans. Seven pecks of dry pods shelled 13½ quarts of good beans. My family pronounced them superior when cooked to the old Lima Bean, having more substance and tasting more like a pea. In every respect I consider them superior to any other Lima Bean both in regard to productiveness and quality. They remain green in the pod a long time after maturing, which is a great benefit to the market gardener."

DAVID F. GRIER, Salem Co., N. J., Dec 1, 1875, writes as follows:

"I have cultivated the Large Lima on an extensive scale for six years. Tried your Improved Lima last Spring with good success; they were fully one week earlier, and produced ¼ to ½ more shelled beans to the acre under the same treatment, than the Large Lima which were in neighboring fields. Five bushels of dry pods of Improved Lima will shell 1 bushel of beans, while it takes 7½ bushels of Large Lima to shell the same amount. With a seasonable year they will readily produce 40 bushels of dry shelled beans to the acre; when green they are nearly as large as the old Lima."

D. H. CHADWICK, Morgantown, W. Va., Sept. 18th, 1875, writes:

"In the Spring I bought one dollar's worth of your Improved Lima Beans. I find the quality very fine, shelling out better than the old variety and decidedly sweeter and more tender. This is the unanimous verdict of my family, and we pay special attention to the quality of vegetables brought to the table."

BEAN, CARTER'S CHAMPION RUNNER. A giant variety of scarlet runner, pods nearly twice the size of the old sort, and they hang nearly twice as thick. Per packet, 20 cts.

BEAN, WHITE-SEEDED VALENTINE. A new variety, produced from the Red Speckled Valentine Snap Short, and of equal productiveness and good quality, which will become one of our leading market Beans on account of the color being white. Per qt., 60 cts.

BEEF, BASTIAN'S EXTRA EARLY RED. The perfection of a Beet, being very early; of quick growth, fine turnip-rooted form and good bright-red color, a profitable variety for the market gardener, and one of the best for family use. Per lb., \$1.50; per oz., 20 cts.

BEEF, BASTIAN'S HALF-LONG BLOOD. In color, shape and size it is all that can be desired in a Beet; a valuable variety to follow the preceding one. Per lb., \$1.50; per oz., 20 cts.

CABBAGE, HENDERSON'S EARLY SUMMER. A new early variety, with large solid heads, coming in a few days later than the Wakefield.

It is valuable on account of rarely bursting open when ripe, so that if the crop is not used at once it does not spoil, as is the case with most early sorts. Per packet, 25 cents; 5 packets, \$1.00.

HENDERSON'S EARLY SUMMER CABBAGE.

CABBAGE, EARLY WYMAN. Heads early in the season; is of large size, and first quality. Per oz., \$1.00; per packet, 25 cts.

CABBAGE, LARGE EARLY SCHWEINFURT. A large second early or fall variety. Per lb., \$5; per oz., 50 cts.

CABBAGE, FILDERKRAUT. A favorite German variety, with solid conical heads. Per lb., \$4; per oz., 40 cts.

CABBAGE, FOTTLER'S IMPROVED BRUNSWICK. One of the best early Drumhead varieties, a splendid second early and late variety, large solid heads. Per lb., \$6; per oz., 50 cts.

CABBAGE, SIMONS' EARLY DRUMHEAD. A favorite second early large solid-heading variety with the Philadelphia market gardeners; this has been grown with great care expressly for that trade. Per lb., \$5; per oz., 50 cts.

CABBAGE, PHILADELPHIA FLAT DUTCH. The favorite variety of the Philadelphia market; large solid flat heads, short stem. Our own superior stock, second to none; a valuable winter variety for the market gardener. Per lb., \$5; per oz., 50 cts.

CABBAGE, PHILADELPHIA LATE DRUMHEAD. A favorite winter variety of the Philadelphia market; large solid heads. A little later than the Flat Dutch. Per lb., \$5; per oz., 50 cts.

CABBAGE, STONE-MASON (Marblehead). An improved variety of Drumhead. Large, solid, tender, free heading, winter Cabbage. Per lb., \$5; per oz., 50 cts.

CABBAGE, GREEN GLAZED. Grown at the South, being less subject to the attack of insects. Per lb., \$3; per oz., 30 cts.

- CABBAGE, DARK BLOOD-RED ERFURT.** Superior early solid-heading variety. Per oz., 50 cts.
- CARROT, HALF-LONG CARENTAN.** A new variety without core. Per lb., \$2.50; per oz., 25 cts.
- CAULIFLOWER, EARLIEST ALGIERS.** An extra fine sort for forcing, the first that appears in the Paris markets. Per packet, 25 cts.
- CAULIFLOWER, VEITCH'S AUTUMN GIANT.** One of the finest late varieties ever introduced. Per oz., \$2; per packet, 25 cts.
- CELERY, BOSTON MARKET.** This is the short, bushy, solid celery for which Boston market is so famous. Per lb., \$4; per oz., 40 cts.
- CELERY, SANDRINGHAM DWARF.** White; produced by the gardener to the Prince of Wales. Solid, crisp, and of fine flavor. Per lb., \$3; per oz., 30 cts.
- CORN, SUGAR, EARLY NARRAGANSETT.** The earliest and most prolific of all the Extra Early varieties of Sugar Corn. Per ear, 5 cts.; per qt., 40 cts.
- CUCUMBER, TENDER AND TRUE.** A splendid new variety of the English Prize, grows from 24 to 30 inches long, of a deep green color and excellent flavor, a free bearer, strong constitution, and suitable for winter or summer. Per packet of 3 Seeds, 50 cts.

TAILBY'S HYBRID CUCUMBER.

- CUCUMBER, TAILBY'S HYBRID.** A new variety, hybridized with White Spined, and one of the largest of the English Frame varieties; a perfect success in hardiness, larger than the White Spined, and retains the smooth beauty of the English. Per packet, 15 cts.
- CUCUMBER, GREEN PROLIFIC.** A new pickling variety, of dark green color, very productive, of uniform size, hardly yielding any too large for pickling, also tender, crisp, and of fine flavor. Per lb., \$5; per oz., 50 cts.
- EGG-PLANT, EARLY BLACK PEKIN.** Nearly round, of a deep blackish purple, prolific, as early as the Long Purple. Per oz., 75 cts.
- ENDIVE, EVER WHITE CURLED (Self-blanching).** The finest White Curled variety, grows to a large size, very crisp and tender. Per lb., \$5; per oz., 50 cts.

HANSON LETTUCE.

LETTUCE, HANSON.

This cut represents a sectional view, showing the inside of this truly superior lettuce, the heads of which grow to a remarkable size and are deliciously sweet, tender, and crisp, even to the outer leaves. The color is of the most beautiful green without and white within, and is entirely free from any bitter or unpleasant taste found in

some varieties. If this sort be wintered over in cold frames or sown in hot-beds and planted out very early in the spring, it produces heads to a remarkable size, often weighing 2½ to 3 pounds, and measuring to outer leaves ten inches in diameter. Price per oz., \$1; per packet, 20 cts.

LETTUCE, AMERICAN GATHERING. A new curled variety, forming good sized heads, leaves tender, crisp, of light green edged with violet, and of fine flavor. Per oz., 50 cts.

LETTUCE, BOSSIN'S GIANT. A large new French variety, grows to a large size and stands the sun well. Per oz., 40 cts.

LETTUCE, MONITOR. The best summer heading Lettuce grown, standing the heat and rarely runs to seed, resembling the Royal Cabbage, very tender, crisp, and of fine flavor. Per packet, 20 cts.

LETTUCE, KINGSHOLM COSS. The finest of the Paris Coss type, withstands the summer heat for a long time after the other varieties have run to seed; heads in without tying. Per packet, 20 cts.

MUSK-MELON, GREEN CITRON CLIMBING. A new variety for trellises, medium size, ribbed, of a fine aromatic flavor, and very productive. Per packet, 25 cts.

MUSK-MELON, CASABA. Of extraordinary size and delicious flavor; usual weight from 12 to 15 pounds. Price per lb., \$2; per oz., 20 cts.

MUSK-MELON, PRESCOTT.

A French variety of great excellence. Fruit medium to large, nearly round, deeply lobed, deep flesh, rich orange color, sweet, and delicious. Per oz., 50 cts.

MUSK-MELON, GOLDEN ORANGE. Medium size: flesh reddish orange, sweet, early and productive. Per lb., \$1; per oz., 10 cts.

WATER-MELON, BLACK ITALIAN. A new variety resembling the Black Spanish in shape, color and size, nearly round and solid, very thin rind, scarlet flesh. Sweet and luscious. A profitable variety for the market gardener. Per lb., \$1.50; per oz., 15 cts.

WATER-MELON, GYPSY. A superior early variety, large oblong, light green, beautifully mottled and striped with yellowish white; rind thin, flesh light crimson, sweet and highly flavored. An excellent market variety. Per lb., \$1.50; per oz., 15 cts.

ONION, NEW QUEEN. This variety is represented as a rapid grower, white skin, fine mild flavor, and the best keeper of the new foreign varieties. Per lb., \$6; per oz., 60 cts.

ONION, NEW GIANT ROCCA OF NAPLES. Very large, of globular shape, light brown skin. Per lb., \$4; per oz., 40 cts.

ONION, GIANT WHITE ITALIAN TRIPOLI. Large and of mild flavor; succeeds admirably at the South. Per lb., \$5; per oz., 50 cts.

ONION, RED ITALIAN TRIPOLI. A large flat variety, mild flavor. Per lb., \$4; per oz., 40 cts.

PEA, CARTER'S EXTRA EARLY PREMIUM GEM. The finest dwarf early wrinkled Pea ever introduced; pods long dark green, containing 7 to 8 peas, very prolific, height 18 inches, recommended for forcing or out-door culture. Per qt., \$1; per packet, 20 cts.

PEA, LAXTON'S WILLIAM THE FIRST. The finest first early Pea known, combining flavor, earliness, and productiveness. It has long, handsome, well-filled, deep greenish pods; height 3 ft. Per qt., \$1; per packet, 20 cts.

PEA, McLEAN'S BLUE PETER. One of the earliest and hardiest of the Tom Thumb varieties; pods dark green, contain from 5 to 8 large peas of excellent quality; capital bearer. Per qt., 60 cts.

KINGSHOLM COSS LETTUCE.

PEPPER, LONG YELLOW CAYENNE. Resembling the red except in color, pods bright yellow. Per oz., 40 cts.

RADISH, CALIFORNIAN WHITE. Mammoth Winter. Grows to a large size; 12 inches long. Per lb., \$2.50; per oz., 25 cts.

SQUASH, BUTMAN. This new Squash is a cross between the Hubbard and Yokohama, flesh salmon color, fine grained, very dry and excellent flavor, having all the good qualities of the Hubbard, combined with the flavor of the summer varieties. Per packet, 15 cts.

BUTMAN SQUASH.

TOMATO, GREEN GAGE. A new smooth, orange-colored Tomato, of good flavor and medium size. Per oz., 75 cts.; per packet, 20 cts.

TOMATO, THE CONQUEROR. Bearing in clusters, which ripen nearly at the same time, 8 to 10 days earlier than any other variety. Of good size, round and flattened, free from wrinkles, deep red, solid flesh, ripening well up to the stem. Per oz., 75 cts.; per packet, 20 cts.

TOMATO, HATHAWAY'S EXCELSIOR. Early, medium size, smooth as an apple, very solid and of excellent quality. Per oz., 40 cts.

TOMATO, CANADA VICTOR. Introduced as a very early variety, of medium size, smooth and solid. Per oz., 40 cts.

TOMATO, TROPHY, DREER'S SELECTED. Seeds saved only from the finest specimens, which for size, smoothness, solidity and excellent flavor, is unsurpassed. Per oz., 75 cts.; per packet, 20 cts.

TURNIP, CARTER'S EARLY NIMBLE SIX WEEKS. A very quick growing, white garden Turnip. Per lb., \$1; per oz., 10 cts.

On this list 15 cents per pound, and 30 cents per quart, additional, when ordered to be sent by mail.

NEW AND IMPROVED VARIETIES OF POTATOES.

At these prices, *express* and *freight* charges to be paid by the purchaser, except where mentioned by mail, prepaid.

ALPHA. The earliest variety, of dwarf habit, adapted for garden culture or forcing under glass; fit for the table 10 to 15 days before the Early Rose. Tubers medium size, oblong, eyes slightly depressed, color white with a slight tinge about the eyes, flesh white, fine grained, dry and firm, in every respect of first quality. Per lb., \$1, by mail, prepaid; per peck, \$3; per bush., \$9; per barrel, \$20.

SNOW-FLAKE. One of the earliest; of uniform medium size, eyes few, flesh snow-white, when boiled of a lightness and porosity almost approaching a snow-flake, of excellent quality. Two lbs., \$1, by mail, prepaid; per peck, \$1.50; per bush., \$4; per barrel \$8.

BROWNELL'S BEAUTY. Size medium to large, fine quality, remarkably productive and good keeping qualities. Three lbs., \$1, by mail, prepaid; per peck, \$1; per bush., \$2.50; per barrel, \$5.

COMPTON'S SURPRISE. Large size, oval-oblong, eyes sunken, skin smooth, color reddish purple, very productive, flesh snowy white. Owing to its tardiness it remains sound until June. Three lbs., \$1, by mail, prepaid; per peck, \$1; per bush., \$2.50; per barrel, \$5.

EXTRA EARLY VERMONT. Of large size, similar to, and earlier than the Early Rose. Its superior quality and yield is unsurpassed. Three lbs., \$1, by mail, prepaid; per peck, \$1; per bush., \$2.50; per barrel, \$5.

	Per pk.	Per bush.	Per bbl.
KING OF THE EARLIES. Very productive.....	\$1.00	\$2.50	\$6.00
EARLY ROSE. A favorite variety.....	.75	2.00	4.50
LATE ROSE. A valuable variety.....	.75	2.00	5.00
BREESE'S PEERLESS. Very productive, late.....	.75	2.00	4.50
WHITE PEACHBLOW. Late, first-rate.....	.75	2.00	5.00

As the prices of Potatoes are governed by the market, the above quotations are but nominal, but are believed to be about the prices that will rule in the spring. Special quotations will be given on application.

ESCULENT PLANTS, ROOTS, Etc.—(Furnished in their season).

Wintered Cabbage Plants are recommended for early planting, being hardened, stand the cold; deliverable until April 15th.

	Per 100.	Per 1000.
ASPARAGUS ROOTS, Conover's Colossal, 2 years old.	\$1.50	\$8.00
Large Green, 2 years old.....	1.00	6.00
\$1.00 per 100 additional if sent by mail.		
CABBAGE PLANTS, Large Early York, Wakefield, Oxheart, and Winnigstadt, wintered in frames...each	1.00	8.00
Spring Plants grown in Hot-beds of above varieties....	.60	5.00
Large Late Drumhead, Flat Dutch, Savoy and Red Dutch, ready in June and July.....each	.50	4.00
CELERY, Dreer's White Solid, Dwarf White and Boston Market, ready in July.....each	.75	6.00
SWEET POTATO PLANTS, ready in May.....	.50	4.00
HORSERADISH SETS.....	1.00	5.00
The above, 50 cts. per 100 additional if sent by mail.		
OSAGE ORANGE.....	1.00	7.50
	Per doz.	Per 100.
CAULIFLOWER, Best Early Wintered Plants.....	\$.50	\$ 3.00
Hot-bed Plants.....	.30	2.00
EGG-PLANTS, Grown in Pots.....	1.00	6.00
Out of Hot-beds.....	.60	4.00
LETTUCE PLANTS, Hanson and Dutch Butter...each	.15	.50
PEPPER PLANTS, Large Sweet Bell.....	.30	2.00
TOMATO PLANTS, Trophy, Feejee, Arlington, Early Conqueror, and Excelsior.....each	.30	2.00
TARRAGON ROOTS, for flavoring.....	3.00	
RHUBARB ROOTS, Linnæus and Victoria.....	2.00	10.00
HOP-VINE ROOTS.....	.50	2.50
GARLIC SETS, English.....	Per lb.	.50
ONION SETS, Best Phila., White, per qt., 40. Yellow,	Per qt.	.30
TREE OR TOP ONION SETS.....	"	.30
POTATO ONION	"	.30
SHALLOTS	"	.30

Onion Sets, 25 cts. per qt. additional if sent by mail.

. The above prices do not include postage, except where noted.

1

2

3

1. SNOW-FLAKE POTATOE.
2. LINNÆUS RHUBARB.

3. CONOVER'S COLOSSAL ASPARAGUS.

FARMER'S AND GARDENER'S PRICE LIST,

Of the leading varieties with prices by the quantity, not sold at these prices in less quantities than one-quarter pound or one-quarter bushel.

	Per lb.	Per oz.
Asparagus, Large Green.....	\$0 60	10
Conover's Colossal.....	1 00	10
	Per bush.	Per qt.
BEANS (Bush), Early Mohawk.....	6 00	30
Early Yellow six-weeks.....	6 00	30
Early black-seed Wax (true).....	8 00	40
Early white-seed Wax.....	8 00	40
Early Newington Wonder.....	6 00	30
Red Speckled Valentine (selected stock).....	7 00	35
Refugee (Brown Valentine).....	6 00	30
White Kidney.....	5 00	30
White Marrow.....	5 00	30
BEANS (Pole), Large Lima.....	10 00	50
Horticultural or Wren's Egg.....	8 00	40
German Wax (black-seed).....	12 00	50
Giant Wax (red-seed).....	14 00	60
	Per lb.	Per oz.
BEET, Bastian's Extra Early Red Turnip.....	1 50	20
Early Egyptian Blood Turnip.....	2 00	20
Simon's Extra Early Red Turnip.....	1 00	10
Extra Early Bassano.....	1 00	10
Extra Dark Blood Turnip.....	1 00	10
Bastian's Half-long Blood.....	1 50	20
Long Blood.....	1 00	10
Sugar, White Silesian.....	50	10
Mangel-Wurzel, Red and Yellow Globe, each.....	50	10
BORECOLE OR KALE, Green Curled Scotch.....	1 00	10
Dwarf German.....	1 00	10
CABBAGE, Large Early York.....	2 00	20
Early Jersey Wakefield (extra).....	6 00	50
Early French Oxheart (extra).....	3 00	30
Early Winnigstadt or Cone.....	3 00	30
Early Flat Brunswick.....	3 00	30
Magdeburg Flat Dutch.....	3 00	30
Red Dutch, for pickling.....	3 00	30
Large Late Drumhead (extra).....	5 00	50
Large Flat Dutch (extra).....	5 00	50
Green Curled Savoy.....	2 00	20
Drumhead Savoy.....	2 00	20
Drumhead Savoy—American.....	4 00	40
CARROT, Early Scarlet Short-horn, for forcing.....	1 50	15
Early Scarlet Horn.....	1 25	15
Half-Long Scarlet.....	1 50	15
Long Orange, extra fine—American.....	1 25	15
Altringham, Long Red.....	1 00	10
Long White Belgian.....	1 00	10
CELERY, Dreer's White Solid (extra).....	4 00	40
Seymour's White Solid.....	3 00	30
Dwarf White Solid.....	3 00	30
Boston Market, Dwarf.....	4 00	40
Celeriac or Turnip-rooted.....	3 00	30
For Flavoring.....	60	10
CORN SALAD, Large Seeded.....	1 00	10

	Per bush.	Per qt.
CORN, Adam's Extra Early	\$5 00	25
Crosby's Extra Early Sugar (extra).....	6 00	30
Early Eight-rowed Sugar.....	5 00	25
Stowell's Evergreen Sugar.....	5 00	25
Large Sweet or Mammoth.....	6 00	30
Per 100 ears.		
Early White Flint, Eight-rowed.....	\$3 00	20
Early Canada, Eight-rowed, Yellow	3 00	20
Pennsylvania, Large Yellow.....	3 00	20
Golden Dent Gourd Seed.....	3 00	20
	Per lb.	Per oz.
CRESS, Curled, or Pepper-grass.....	0 60	10
CUCUMBER, Early Frame.....	1 25	15
White-Spined.....	1 25	15
Long Green.....	1 50	15
EGG-PLANT, New York Improved Large Purple.....	8 00	60
ENDIVE, Green Curled.....	2 50	25
White Curled and Broad-Leaved, each.....	3 00	30
KOHL-RABI, Late White and Blue, each.....	2 00	20
Early White and Blue Vienna, each.....	4 00	30
LEEK, Large London Flag.....	3 00	25
LETTUCE, Early Curled Silesia.....	2 00	25
Early Cabbage.....	3 00	30
Dutch Butter (spotted) fine for forcing.....	4 00	40
Early Stone-head.....	3 00	30
Royal Cabbage.....	2 50	25
Perpignan—stands the heat well.....	4 00	40
Brown Dutch, or Butter.....	3 00	30
MUSK-MELON, Early Jenny Lind.....	1 00	10
Netted Citron.....	1 00	10
Netted Pine-Apple.....	1 25	15
Turk's Cap (extra).....	1 25	15
Casaba (very fine).....	2 00	20
Ward's Nectar and White Japan, each.....	2 00	20
WATER-MELON, Mountain Sweet.....	1 00	10
Orange (true).....	1 50	20
Ice Cream (white-seeded).....	1 50	20
Black Italian and Gypsy, each.....	1 50	15
OKRA, Dwarf Long Podded.....	80	10
ONION, Red Wethersfield.....	2 50	25
Early Blood Red—Imported.....	2 00	25
Yellow Strasburg.....	3 00	30
Yellow Danvers.....	3 00	30
White or Silver Skin.....	4 00	40
	Per bush.	Per qt.
Sets, White, prices variable.....	6 00	40
Sets, Yellow, prices variable.....	5 00	30
	Per lb.	Per oz.
PARSNIP, Large Sugar or Hollow-crown.....	80	10
PARSLEY, Double Curled.....	1 00	10
Extra Curled Dwarf.....	1 25	15
Champion Moss.....	1 25	15
	Per bush.	Per qt.
PEAS, Dreer's Extra Early (the earliest).....	8 00	40
Blue Peter.....	14 00	60
Carter's First Crop.....	7 50	30
Early Daniel O'Rourke.....	6 00	30
Early Tom Thumb.....	9 00	40
Laxton's Alpha Early Wrinkled.....	10 00	40
Laxton's William the First.....	18 00	1 00
M'Lean's Little Gem Wrinkled.....	10 00	40

PEAS—Continued.

	Per bush.	Per qt.
Dwarf Blue Imperial.....	\$6 00	30
Champion of England Wrinkled.....	6 00	30
Eugenie Wrinkled.....	8 00	40
M'Lean's Advancer Wrinkled.....	8 00	40
White Marrowfat.....	4 00	20
Black-eye Marrowfat.....	3 00	20
Dwarf French Wrinkled Sugar.....	14 00	60
Dwarf Sugar.....	12 00	50

	Per lb.	Per oz
PEPPER, Large Sweet Bell.....	3 00	30
Large Sweet Mountain.....	4 00	40

POTATOES, for varieties and prices see page 35.

PUMPKIN, Cashaw (Crook-neck).....	1 00	10
Field.....	30	

RADISH, Early Scarlet Olive-shape.....	1 00	10
Early Scarlet Turnip-rooted.....	1 00	10
Early White Turnip-rooted.....	1 00	10
Early Long Scarlet Short-top.....	1 00	10
Early French Breakfast Scarlet, White-tipped.....	1 00	10
White Summer or Naples.....	1 00	10
Yellow Turnip-rooted Summer.....	1 00	10
Black Spanish Long Winter.....	1 00	10
Black Spanish Round Winter.....	1 00	10
Scarlet China Winter.....	1 50	20
White China Winter.....	1 50	20

SALSIFY or Oyster Plant—American.....	2 00	20
Salsify or Oyster Plant—Imported.....	1 50	20

SPINACH, Round-leaved Savoy.....	60	10
Large-leaved Flanders.....	60	10
Prickly-seeded.....	60	10

SQUASH, Early White Bush or Patty-pan.....	1 00	10
Long Green Summer Crook-neck.....	1 50	15
Boston Marrow.....	1 50	15
Hubbard.....	1 50	15
Marblehead.....	1 50	15

TOMATO, Extra Early Smooth.....	3 00	25
Cook's Favorite.....	3 00	30
Large Smooth Red.....	3 00	25
Tilden.....	3 00	30
Trophy.....	5 00	50
Feejee.....	3 00	30
Arlington.....	4 00	40

The Tomato Seed is saved with extra care.

TURNIP, Early White Flat Dutch (Strap-leaved).....	75	10
Red or Purple-top Flat (Strap-leaved).....	75	10
Teltow or Marrow, fine table variety.....	1 00	10
Long White French, superior.....	75	10
Robertson's Golden-ball or Orange Jelly.....	75	10
Yellow Aberdeen or Scotch.....	75	10
White Norfolk or Globe.....	75	10
Long White Cow-horn.....	75	10
Purple-top Swedish or Ruta-Baga.....	75	10
Golden Globe Ruta-Baga.....	75	10
Carter's Imperial Ruta-Baga.....	75	10

. All the Seeds on the *Farmer's and Gardener's Price List*, when ordered to be sent by *Mail*, 15 cts. per lb., and 30 cts. per qt. must be added for postage.

When ordered by *Express* or *Freight*, charges to be paid by the purchaser.

FLOWER GARDEN.

ALTHOUGH to the mere economist flowers are not indispensable or directly remunerative, yet they have become so to the civilized, intelligent and intellectual community in which we live. The most humble cottager, unless deficient in the most simple conceptions of beauty, must have his flower-pot and one or more varieties of flowers. The enthusiastic amateur is no longer content to receive his floricultural novelties at second-hand, but must have them direct from the great European centres of Horticulture. We have latterly endeavored to render this necessity of the amateur importing a few seeds or plants unnecessary, by constant attention to obtain every highly recommended novelty. We shall continue to do this, and shall endeavor to have, at the earliest day, every valuable acquisition in seeds, bulbs or plants.

Little pains is taken to have the soil of the flower-beds and borders in a friable and active state, not subject to bake. This is what renders it so difficult for small flower-seeds to survive germination, and for the delicate transplanted annuals to make a start. All that the flower-border or beds require is a dry bottom, with an annual supply of prepared compost, made up of barn-yard manure, leaf-mould, or decayed leaves from the woods, and such other refuse as may appear suitable to enrich the heap. With different soils, special applications will be necessary, as stated under the head of Vegetable Garden, see page 5. The hot-bed frame as there described will serve for the purpose of the Flower Garden.—The only additional requisites are flower-pruning scissors, stakes and trellises for tying up plants, labels and flower-pots.

THE LAWN, which adds so much to the neatness of the Garden, may be extensive or limited in size, but should always be well prepared and neatly kept, which can so readily be done with the *Philadelphia Lawn Mowers*; for sizes and prices, see page 94. Much of the beauty of the lawn is also due to the variety of grass seed sown. The usual practice has been to employ a mixture of several species, which is prepared for sale. Our Lawn Grass mixture consists of six varieties, viz.: Sweet Vernal, Green Grass, Blue Grass, Herd Grass, Perennial Rye Grass, and White Clover. From two to three bushels is the quantity generally sown to the acre, but the latter quantity is preferred. Persons who prefer a different mixture can have it made up to order.

The Flower-beds may be cut out in the lawn, and in these bedding plants from the green-house planted, as soon as the weather becomes suitable and no further danger of frost; also, choice annuals sown. The following brief directions will be found reliable.

DIRECTIONS FOR THE SOWING AND MANAGEMENT OF FLOWER SEEDS.

Provided the soil is in a proper state, flower seeds may be sown in the open border, in the months of April and May; the best criterion is the state of the soil. The seeds should be sown as soon as the soil becomes dry and friable, after the spring frosts have disappeared. Care should be taken not to sow in a crowded border, as light and air are indispensable. They may also be sown in prepared beds, to be transplanted to the garden. The former is the more simple method, but not always satisfactory, as, during the interval between the sowing of the seed and the period of blooming, the ground occupied is not attractive. The most satisfactory way is to sow all fine seeds under glass, in a frame, or in the house, as the changes of climate, heavy rains and drying winds, with a hot sun, render the surface of the soil unfit for the germination of small seed. As to the depth to which seeds should be covered, the best general rule is to cover fine and light seeds very lightly, just enough to protect them from the sun; and in extremely dry weather a sprinkling of damp moss is very useful. With very fine seeds it is best to sow on the surface, and press them slightly into the soil. We are convinced that one of the most frequent causes of failure is in sowing the seeds too deep, and seedsmen are unjustly censured, when the fault lies altogether in the bad management of the cultivator.

The period of sowing has also much to do with the success or failure; as a rule, we find the winter months, even with all the appliances a skilful gardener can give, the most unsatisfactory, two notable instances of which came under our own observation recently. Being desirous of raising a stock of plants of the *Wigandia Caracasana* during the winter for our spring sales, we made repeated sowings, but failed in every instance; the same seed sown in mid-summer produced a plentiful crop of plants. Apple Geranium seed sown in the fall furnished but a few plants, while seeds that dropped from the seed plants in June lay until the next summer on the benches before they germinate, subject to the heat and watering necessary to the plants placed thereon. Other gardeners have related the same experience, where they found the plants growing beautifully on the compost heap after being thrown out of the seed-pans after waiting patiently several months.

For sowing in pots, or seed-pans, the best soil is a mixture of equal parts of sand, leaf-mould, and loam, which should be thoroughly mixed and passed through a coarse sieve; then fill your pots or pans within one-half inch of the rim; press the soil firmly and evenly. If the soil is dry it is best to water freely before sowing the seeds, and after they are sown and covered slightly with fine soil, again carefully watered, to settle the soil down to a uniform surface, using a fine rose on the watering pot. We would recommend the *French Watering Pot*, see page 92.

The importance of uniform attention to watering may be best learned by experience and observation, but the inexperienced cultivator may be reminded that to omit a single watering and allow the young plant-germs from seed to remain in a parched state, or a too frequent indiscriminate watering, often leads to the eventual loss of the whole. As soon as the plants appear, they will require your careful attention, as the least over-watering may cause them to "damp off," and suddenly destroy all your hopes. They should now have as much sun as possible, and when the weather is pleasant, some air may be admitted. As soon as the plants are large enough to handle, pick them out of the seed-pot; in other words transplant them into another pot, placing them about one inch apart; they must be shaded for a few days from the sun, until they are established. When large enough, they can be planted separately into small pots, and kept thus until the proper season for planting out in the garden.

ANNUALS are such that arrive to perfection, bloom, produce seed, and die the first season.

HARDY ANNUALS can be sown in the borders from April to June.

HALF-HARDY and TENDER ANNUALS can be sown in March and April in shallow boxes, and placed on a hot-bed; when large enough plant in a cool frame near the glass to harden. Transplant in the borders in May, or the seed can be sown in the open ground in May and June.

Many annuals are very desirable for the green-house for winter blooming, and must be sown in July or August. Of these the most important are Browallia, Candytuft, German Stocks, Kenilworth Ivy, Lobelia, Mignonette, Schizanthus, Sweet Alyssum, Tropæolum. Many varieties, as well as the above, may be sown in the fall and winter for blooming early in the spring, such as *Acroclinium roseum*, *Ageratum*, *Antirrhinum*, Apple-scented Geranium, China Pink, *Dianthus*, *Heddewegi*, *Laciniatus* and *Diadematus*, *Linum grandiflorum*, *Mimulus*, *Myosotis*, Pansy, Petunias, *Phlox Drummondii*, *Salpiglossis*, *Salvia*, *Verbena*, *Vinca rosea*, and others.

BIENNIALS are those that last two seasons; however some of the varieties bloom the first year, and remain over winter, flowering again the second year and then die, having fulfilled their mission; a slight protection of leaves or coarse manure will be found beneficial.

For summer and autumn flowering the seed should be sown in March and April, and treated the same as half-hardy annuals for those varieties blooming the first season.

Hardy kinds can be sown from April to September in the open border, and transplanted where they are intended to bloom the following year.

The following are among the most desirable: Canterbury Bell, Foxglove, Hollyhock, Larkspur, Pinks, Sweet William, Wall-flower.

PERENNIALS do not flower until the second year, and the hardy varieties remain in the ground from year to year, and improve by age, in forming large clumps or bushes, which are covered with their attractive flowers. They should be planted in borders or beds where they are intended to remain.

The seed may be sown early in the spring with Annuals, or later in the summer in a cool and partially shaded situation, and when large enough transplant where wanted.

All the varieties not mentioned in our list are hardy annuals.

CLIMBERS, for garden-decoration, should be sown in February and March, the earlier the better, as the display for the after season will be in proportion to their early vigor for planting out; such as *Cobæa*, *Eccremocarpus*, *Lophospermum*, *Maurandia*, *Thunbergia*, and *Tropæolum*.

CLEMATIS species amongst hardy shrubs, and PENTSTEMON amongst herbaceous plants, are prominent instances of seeds which remain long dormant, often a whole year, before they grow.

The germination of many hard seeds of strong body throughout, either green-house, or hot-house species, which are impervious to moisture, is greatly accelerated by pouring hot water over them, in a dish or cup, and remain thus until the following morning, and then sown. Thus treated, the young plants often appear in a few weeks, but without such a preparation they are often many months. The varieties of *Acacia*, *Erythrina* and *Canna* are the most prominent of this class.

CALCEOLARIA.—As this very desirable flower requires a little special care, the following method should be adopted: The seed should be sown in the latter part of August, or beginning of September, in pots prepared in the following manner: the pot to be half-filled with drainage, over that the rough sifting of the mould, and the surface covered

with soil as fine as possible, half of which should be composed of river sand. When prepared thus it should be watered with a fine rose, immediately after which sow the seed carefully, without any covering of soil. The pots should then be placed under a close frame or hand-glass, in a shady part of the garden, no artificial heat being required. In large establishments, of course, there are propagating or other houses that will do, where the same kind of moist temperature could be obtained, but any exposure to the sun must be carefully guarded against by mats or paper. If the situation be of the proper temperature, they will require watering but very seldom. As soon as the seedlings are strong enough, they must be picked off in pots prepared as before, and placed in the same situation; from the store pots they will require to be potted off singly; after this the plants will grow very rapidly. Through the winter the plant will thrive well on the shelves near the glass, in the greenhouse; and, to obtain fine specimens, they must be shifted on freely till the flower-stalks have started, and should always be smoked with tobacco, as soon as the green-fly appears, as no plants in cultivation so readily suffer from this insect as the *Calceolaria*.

It is necessary to remark that one of the most frequent causes of the appearance of these injurious insects is the plant becoming *root-bound*; to avoid which evil, it is important that it should frequently be re-potted during the growing season.

CINERARIA and *PRIMULA SINENSIS* are more hardy in their growth, and require somewhat less care, than the above, but for them the same treatment will suit in sowing of seed, etc.; only that the seeds being larger they can be slightly covered with fine sandy soil. If required to flower in the winter, seed should be sown in April and May, and in the following months for spring flowering.

It should be borne in mind that much of the disappointment that occurs in the sowing of Flower Seeds may be obviated by attention to the foregoing hints.

FLOWER SEEDS BY MAIL.

Their portability renders them so easily transported by mail, that we send all *Flower Seeds* in packets, assortments or by the ounce, free of postage, upon the receipt of a remittance at the prices annexed, so that no person with any taste in Floriculture need be without a choice selection. For the accommodation of those who are unacquainted with the varieties, we have put up the following assortments of desirable free-blooming and showy kinds.

No. 1. Twelve annuals, free-bloomers.....	\$.50
" 2. Twenty-five annuals, free-bloomers.....	1.00
" 3. Twenty biennial and perennial varieties.....	1.00
" 4. Twelve very choice annual varieties.....	1.00
" 5. Twelve new and rare varieties.....	2.00
" 6. One hundred varieties annual, biennial, and perennial, including many choice sorts, a fine selection.....	5.00

As an inducement to POSTMASTERS AND OTHERS forming Clubs, we will forward six One-Dollar packages for a remittance of Five Dollars. At these prices, invariably our own selection.

As a further inducement we offer the following liberal premium on *Flower Seeds* ordered in PACKETS ONLY:

For \$1.00, Flower Seeds can be selected to the amount of \$1.10	
" 2.00, " " " " "	2.25
" 3.00, " " " " "	3.50
" 4.00, " " " " "	4.75
" 5.00, " " " " "	6.00
" 10.00, " " " " "	12.50

Correspondents will please write their names legibly, and in full, with post-office, county, and State.

For Flower Seeds in assortments, see page 81.

A SELECT
DESCRIPTIVE LIST OF
CHOICE FLOWER SEEDS,

Worthy of special attention, embracing Annuals, Biennials and Perennials.

Seeds of Climbers, Ornamental Foliage Plants, Everlasting Flowers, Ornamental Grasses, Green-house Plants, Assortments, Annuals by weight, and Novelties for 1876, will be found under their respective heads.

	Per packet.
ABRONIA UMBELLATA. Trailing plants, producing clusters of sweet-scented rosy lilac blossoms, resembling the Verbena, blooming a long time; effective in beds, rock work, or hanging-baskets; peel off the husk before sowing the seed; half-hardy...	10
ADONIS ÆSTIVALIS (<i>Flos Adonis</i> , also known as Pheasant's Eye). Handsome foliage; pretty, dark crimson flowers; height 1 ft.....	5
AGERATUM. Valuable plants for large beds or borders, and very useful where cut flowers are in demand; in bloom the whole summer, also good for winter blooming in pots, succeeding in any soil; half-hardy; 1 to 2 ft.	
ALBIFLORUM. White-flowered.....	5
MEXICANUM. Lavender blue.....	5
IMPERIAL. Dwarf, with fine large heads of blue flowers.....	20
WHITE TOM THUMB. Dwarf, white, with a pale-blue shade.....	20
LASSEAUXI. This beautiful rose-colored species from Buenos Ayres is of perennial duration, but flowers the first season in the open border, and requires the protection of a Green-house or Conservatory in the winter.....	10
AGROSTEMMA CELI-ROSEA (<i>Rose of Heaven</i>). An attractive free-flowering hardy perennial, producing flowers on long slender stems like a single pink; blooms first season; mixed rose and white; 1 ft.....	5
ALONSOA. Free-flowering bedding plants, continuing in bloom until killed by frost; also good house-plants; half-hardy; 18 in.	
WARSCIEWICZI. Bright crimson flowers.....	5
GRANDIFLORA. Large flowering; bright scarlet.....	5
ALYSSUM. Free flowering; pretty little plants for beds, edgings, or rock work; the annual varieties bloom all summer, also grown in pots for winter flowering.	
SWEET. White, very sweet; 6 in.....	5
WIERZBECKI. White and yellow; hardy perennial; blooms the first season.....	5
SAXATILE COMPACTUM. Showy golden yellow flowers; hardy perennial, for spring-bedding and rock work; 1½ ft.....	10
AMARANTHUS. Are showy blooming plants, with their long racemes of curious flowers; half-hardy.	
ATRO-PURPUREUS. Is covered with long drooping spikes of purple flowers; 4 ft.....	5
CAUDATUS (<i>Love lies Bleeding</i>). Long drooping racemes of blood-red flowers; 3 ft.....	5
GIGANTEUS. Large showy crimson flowers.....	5

For New Flower Seeds, see page 83.

1. ABRONIA UMBELLATA.
2. GERMAN QUILLED ASTER.
3. ROSE-FLOWERED ASTER.

4. DWARF PYRAMIDAL BOUQUET ASTER.
5. VICTORIA ASTER.
6. PEONY-FLOWERED PERFECTION ASTER.

	Per packet.
ANAGALLIS. Dwarf, compact, flowering plants; admirably adapted for ornamental baskets, rock work, edgings, and small beds; succeed best in light, rich soil, in a sunny situation; covered with flowers the whole summer; half-hardy; 6 in.	
EUGENIE. Light blue, shaded with white.....	10
NAPOLEON III. Rich maroon color.....	10
ANTIRRHINUM (<i>Snap Dragon</i>). One of our most showy and useful border plants. The more recently improved varieties of this valuable genus are large, finely-shaped flowers of the most brilliant colors, with beautifully marked throats; they succeed in any good garden-soil and are very effective in beds. Hardy perennials, blooming the first year if the seed is sown early; 1 ft.	
BRILLIANT. Bright scarlet, with white throat.....	10
HENRY IV. White, crimson and scarlet.....	10
FIRE-FLY. Orange and scarlet, with white throat.....	10
DELILA. Carmine, with white throat.....	10
GALATHE. Crimson, with white throat, large flowering.....	10
PAPILIONACEUM. Blood-red, with pure white throat.....	10
CHOICE MIXED. Finest named varieties.....	.5
AQUILEGIA (<i>Columbine</i>). Beautiful grotesque and varied-colored flowers, blooming freely in the spring; hardy perennials; 2 ft.	
CARYOPHYLLOIDES. Double, variously colored, carnation striped	10
DOUBLE VARIETIES, mixed.....	10
SINGLE VARIETIES, mixed.....	5
ASTER (<i>Queen Margaret</i>). One of the most popular and effective of our garden favorites, producing in profusion flowers in which richness and variety of colors are combined with the most perfect and beautiful form: it is indispensable in every garden or pleasure-ground where an autumnal display is desired. The French and German florists have brought this flower to great perfection; we offer all the most choice varieties. All the varieties delight in a rich, light soil, and in hot, dry weather should be mulched with rotted manure, and well watered, which will increase their beauty and duration of flowers. For assortments of Asters, see page 81.	
DWARF PYRAMIDAL BOUQUET. A perfect bouquet of flowers, mixed colors.....	10
GLOBE-FLOWERED PYRAMIDAL. Mixed colors.....	10
COCARDEAU, or CROWN. Fine flowers, very double, with white centres, bordered with many bright rich colors.....	10
VICTORIA. Various colors, flowers very double, as large as the Emperor Aster; habit pyramidal.....	10
ROSE-FLOWERED. A beautiful variety, regularly imbricated; robust habit, with various colored large brilliant flowers.....	10
GIANT EMPEROR. Flowers of great size, very double, fine form, brilliant colors, of robust growth.....	10
PÆONY-FLOWERED PERFECTION. Very double, large, and finely shaped flowers, of various bright rich colors.....	10
CHRYSANTHEMUM-FLOWERED. A dwarf, very double, late free-blooming variety; mixed colors.....	10
GERMAN QUILLED, WHITE. Double pure white flowers, fine for funeral designs.....	10
GERMAN QUILLED. Perfectly double quilled flowers, of beautiful mixed colors.....	10
SCHILLER. A very fine variety of the Dwarf Bouquet Aster, late, and profuse bloomer.....	10
CHOICE VARIETIES, mixed, all colors.....	10

For Seeds of Climbers, see page 65.

1. SOLFERINO BALSAM.

2 & 3. CAMELLIA-FLOWERED BALSAMS

4 & 5. ROSE-FLOWERED BALSAMS.

Per packet.

BALSAM (<i>Lady Slipper</i>). An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored flowers in the greatest profusion; of easy cultivation; succeeds in a good rich soil, also fine for conservatory decorations; tender; 1 to 2 ft. For assortments of Balsams, see page 81.	
CAMELLIA-FLOWERED. Very double, perfect in form, and beautiful colors, mixed.....	10
ROSE-FLOWERED. Superb double flowers, mixed colors.....	10
THE KING. Brilliant scarlet; imposing in size and color of the flowers; very double.....	10
THE QUEEN. Superb rose-colored; large and beautiful double-formed flowers.....	10
CAMELLIA, FLORE ALBO. Pure white double flowers; fine for bouquets and funeral designs.....	10
SOLFERINO. Satiny white, streaked and spotted with lilac and crimson; very beautiful.....	20
DWARF CARNATION STRIPED. Very double, with flowers striped like a Carnation.....	20
BARTONIA AUREA. Golden, very showy; from California.....	5
BIDENS ATROANGUINEA. Rich dark crimson, with yellow anthers; beautiful foliage, free-flowering, tender.....	10
BRACHYCOME (<i>Swan River Daisy</i>). Free-flowering dwarf-growing plant, covered during the greater part of the summer with a profusion of pretty Cineraria-like flowers; suitable for edgings and small beds; half-hardy; 6 in.	
IBERIDIFOLIA. Light-blue flowers.....	5
ALBIFLORA. A white-flowered variety.....	5
BROWALLIA. Very handsome profuse blooming plants, covered with rich strikingly beautiful flowers during the summer and autumn months; blooms finely in the winter, if sown in August; half-hardy; 1½ ft.	
ELATA CERULEA. Sky-blue. ALBA. Pure white.....each	10
GRANDIFLORA. Large sky-blue.....	10
CACALIA (<i>Tassel Flower or Paint Brush</i>). A neat annual of easy culture, with tassel-shaped flowers, blooms from July to September; fine for borders; half-hardy; mixed golden and scarlet; 1½ ft.....	5
CALANDRINA. Beautiful creeping plants, adapted for rock work or any hot situation; require a light rich soil; mixed varieties; 1 ft.....	5
CALENDULA PONGEI, FLORE-PLENO. Showy double white flowers, a hybrid marigold; 1 ft.....	10
CALLIRHOE PEDATA (<i>Nuttalia</i>). Free-flowering plants, commence blooming when small and continue until late in the fall; fine for bedding or massing; rich violet purple close petalled flowers, with white centre; 2 ft.....	5
VERTICILLATA. An extremely floriferous creeper, with large rich crimson purple flowers.....	10
CALLIOPSIS, or COREOPSIS. Showy and useful free-flowering plants; the tall varieties are very effective in mixed borders, while the dwarf, from their close, compact habit of growth, make fine bedding plants; of easy cultivation.	
CARDAMINÆFOLIA HYBRIDA. Bright yellow, of compact pyramidal growth; 2 ft.....	5
DRUMMONDI. Large yellow, with crimson centre; 1 ft.....	5
MARMORATA. Crimson brown, marbled with yellow; 2 ft.....	5
NIGRA SPECIOSA. Rich velvety crimson; 2 ft.....	5
MIXED VARIETIES; 2 to 3 ft.....	5

For Seeds of Ornamental Foliage Plants, see page 67.

Per packet.

CAMPANULA PYRAMIDALIS. Beautiful and stately hardy perennials; 3 ft.; mixed blue and white.....	5
SPECULUM (<i>Venus' Looking-glass</i>). A free-flowering pretty plant, adapted for beds, ribbons, or edgings; hardy annual; 6 in.; rich blue flowers.....	5
CANDYTUFT (<i>Iberis</i>). A beautiful and most useful plant, for growing in beds, or masses; the white varieties are much grown by florists for bouquets; by frequent sowings they can be had during the winter and summer; 1 ft.	
ROCKET. Pure white. UMBELLATA. Purple.....each	5
CRIMSON. FINE MIXED.....each	5
FRAGRANT. Pure white, pinnated foliage.....	5
CANTERBURY BELL (<i>Campanula Media</i>). When well grown, are among the most attractive of border plants; they succeed in light rich soil, planted about 2 feet apart; also effective when grown in large pots; hardy perennials; 2½ ft.	
SINGLE. BLUE. WHITE. MIXED.....each	5
DOUBLE. BLUE. WHITE. MIXED.....each	10
CARNATION (<i>Dianthus Caryophyllus</i>). The Carnation Pinks are general favorites for their delicious fragrance and richness of colors. The seed we offer has been imported from the best sources in Europe, and will produce splendid double flowers; protect during the winter; half-hardy perennials; 1½ ft.	
FINEST GERMAN. Mixed, saved from fine named flowers.....	50
FINEST FRENCH. Rose-leaved; mixed; saved from splendid named varieties.....	50
REMONTANT, PERPETUAL or TREE. Mixed; saved from choice double flowers.....	50
FINE DOUBLE. Mixed varieties.....	25
CATCHFLY (<i>Silene Armeria</i>). A free blooming plant; for beds, borders, or ribbons; growing in any garden soil; 1½ ft.	
LOBEL'S RED. WHITE. MIXED.....each	5
CELOSLA. Free-blooming graceful plants, producing spikes of beautiful feathery flowers; grown in pots they are fine for the green-house or conservatory; half-hardy; 3 ft.	
ARGENTEA. Small spikes of white flowers, shaded with bright rose; very fine for drying for Immortelle Bouquets.....	5
SPICATAROSEA. Spikes of bright rose-colored flowers; when dried are fine for winter bouquets.....	10
PYRAMIDALIS AUREA. Spikes of golden flowers.....	10
FEATHERED. A new feathered variety; very fine; of several colors; mixed. For illustration, see page 50.....	10
CENTAUREA AMERICANA. Lilac purple, large and showy; 2 ft.	5
CENTRANTHUS MACROSIPHON. Pretty, compact growing plant, with long-tubed red flowers, grows freely; 2 ft.....	5
ALBUS. A showy white-flowered variety; 1 ft.....	5
CHRYSANTHEMUM. Showy and effective garden favorites, summer flowering border plants; also good for pot culture; quite distinct from the Indicum, the hardy perennial autumn flowering varieties.	
CHOICE MIXED. Summer flowering varieties; 1 to 2 ft.....	5
INDICUM. Choice mixed large-flowering double varieties; hardy perennial; 3 ft.....	25
INDICUM NANUM. Pompon or Lilliputian varieties; a beautiful hardy perennial; fine for bouquets; mixed; very double; 1 ft..	25
CHLORA GRANDIFLORA. Handsome glossy Cacalia like leaves. large golden flowers changing to red; grows vigorously in the open borders; 1 ft.....	10

For Seeds of Everlasting Flowers, see page 70.

1. CARNATION PINK.
2. CONVULVULUS MINOR DOUBLE.
3. CELOSIA FEATHERED.

4. DWARF COCKSCOMB.
5. GOLD AND CRIMSON VARIEGATED COCKSCOMB.

Per packet.

CLARKIA. An old and favorite plant, growing freely in any garden soil and producing cheerful-looking flowers; 1½ ft.	
SINGLE MIXED VARIETIES.....	5
DOUBLE MIXED VARIETIES.....	5
CLEOME GRANDIFLORA (<i>Spider Plant</i>). Rose-colored flowers..	5
COCKSCOMB (<i>Celosia Cristata</i>). Ornamental, curious-looking flowers; well-known favorites, selected from fine combs for size and brilliant colors; half-hardy; 1 ft.	
VARIEGATED (<i>Gold with Crimson Variegated Cockscomb</i>). Magnificent; heads variegated with crimson, orange, green, shaded and striped; the golden yellow and deep crimson are of the most brilliant hues, the variegation is distinctly marked.....	10
DWARF CRIMSON. Large velvet-like combs...	10
YELLOW. ROSE. MIXED	each 5
COMMELINA CÆLESTIS. A tuberous-rooted, free-blooming and very pretty plant, with rich blue flowers; the roots can be preserved like Dahlias; half-hardy perennial; 1½ ft.....	5
CONVOLVULUS MINOR (<i>Dwarf Morning Glory</i>). Showy, free-flowering, rich colored handsome plants, producing, in beds and mixed borders, an unusually brilliant effect; 1 ft. Mixed..	5
SPLENDENS. Violet, with white centre.....	5
TRICOLOR. Violet purple, with white centre.....	5
WHITE. STRIPED BLUE, striped with white.....	each 5
TRICOLOR FLORE-PLENO. Double showy flowers.....	10
CANTABRICUS. Rosy purple, beautiful trailer, for hanging-baskets, or for a bedding plant; hardy perennial.....	20
MAURITANICUS. Beautiful trailer for hanging-baskets and vases, producing numerous blue flowers; half-hardy perennial.....	20
CYANUS (<i>Blue Bottle</i>). Ornamental plants for shrubberies and borders, useful for cut flowers; growing in any garden soil; 1½ ft.; mixed colors.....	5
CYTISUS LABURNUM (<i>Golden Chain</i>). A hardy shrub or tree, with long racemes of golden yellow flowers.....	10
DAISY (<i>Bellis Perennis</i>). A favorite plant for beds or pot-culture; finest double mixed varieties; half-hardy perennial; 3 in.....	20
DAHLIA (<i>Large-flowered</i>). Half-hardy perennials; blooming the first year from seed; protect the roots from frost during the winter; saved from fine double varieties; mixed	20
SMALL-FLOWERED (<i>Bouquet or Liliputian</i>). Saved from choice double varieties; mixed.....	20
DATURA. An ornamental class of plants; in large clumps and borders of shrubbery they produce an excellent effect; flowering the first year from seed; can be preserved in sand during the winter, in a dry cellar; half-hardy perennials.	
ATROVIOLOACEA PLENISSIMA. Flowers dark violet; 4½ ft.....	10
FASTUOSA HUBERIANA. Superb large double lilac flowers, inner parts almost pure white; 5 ft.....	10
HUMULIS. Large double-drooping flowers, of a rich Nankeen yellow; delightfully fragrant; 2 ft.....	10
WRIGHTI (<i>Meteloides</i>). White, bordered with blue; 2 ft.....	10
DELPHINIUM. One of our most showy and useful plants, producing splendid spikes of flowers in profusion; if sown early, they will bloom the first year from seed; hardy perennials; 2 ft. For annual varieties, see Larkspurs, page 54.	
FORMOSUM. Spikes of brilliant blue flowers.....	10
NUDICAULE. Dwarf compact growth, with abundant loose spikes of dazzling scarlet flowers.....	20
SINENSIS PUMILUM CÆRULEUM. Chinese dwarf, azure blue.....	10

For Seeds of Ornamental Grasses, see page 72.

1. DIANTHUS HEDDEWIGI DIADEMATUS, FLORE-PLENO. | 2. DELPHINIUM FORMOSUM.
3. ESCHSCHOLTZIA.

Per packet.

DIANTHUS (<i>Pinks</i>). A magnificent genus, embracing some of the most popular flowers in cultivation, a great variety of colors and profusion of bloom; hardy biennials, blooming the first season from seed; 1 ft.	
CHINENSIS (<i>China or Indian Pink</i>). Superb double varieties, all colors; mixed.....	10
CHINENSIS, FLORE-PLENO ALBO. Double white.....	10
IMPERIALIS PLENISSIMUS PICTUS. Double striped varieties.....	10
IMPERIALIS (<i>Imperial Pink</i>). Double, mixed colors.....	10
HEDDEWIGI (<i>Japan Pink</i>). Colors vary from the richest velvety crimson to the most delicate rose; flowers from 2 to 4 inches in diameter, very showy.....	10
HEDDEWIGI FLORE-PLENO. A double variety of the original type; beautiful colors; mixed.....	10
HEDDEWIGI DIADEMATUS, FLORE-PLENO (<i>Diadem Pink</i>). Beautiful flowers, from 2 to 3 inches in diameter, regular and closely double; of varied tints of lilac, crimson, purple and black purple, the outer edges fringed and nearly white.....	20
LACINIATUS. Remarkably large blossoms of superb colors, with fringed edges.....	10
LACINIATUS FLORE-PLENO. Large double showy flowers, in variety of colors, fringed edges.....	20
NANUS ATRO-SANGUINEUS. A dwarf plant, with globular double dark blood-red flowers, a profuse bloomer.....	10
DIGITALIS (<i>Foxglove</i>). Handsome and highly ornamental, hardy perennial plant, of stately growth and varied colors; 3 ft.	
PURPLE, WHITE, YELLOW; MIXED.....each	5
ERYSIMUM PEROFFSKIANUM. Showy orange flowers; 1½ ft..	5
ESCHSCHOLTZIA (<i>California Poppy</i>). A profuse flowering and attractive plant for beds or masses; 1 ft.	
CALIFORNICA. Yellow, with orange centre.....	5
CROCEA. Orange color. CROCEA ALBA. Creamy white...each	5
CROCEA-STRIATA. Orange, striped with lemon.....	5
DENTATA AURANTIACA. Orange, with a stripe up the centre; edges toothed. MIXED, all colors.....each	5
FEVERFEW (<i>Matricaria</i>). Double white; a fine bedding plant; blooms until frost; hardy perennial; flowers first season; 1½ ft.	10
GAILLARDIA. Splendid bedding plants, remarkable for the profusion and brilliancy of their flowers, continuing in beauty during the summer and autumn; half-hardy; 1½ ft.	
ALBA MARGINATA. Red, edged with white.....	5
PICTA. Red, bordered with orange.....	5
JOSEPHUS. Orange, with red centre. MIXED.....each	5
GAURA LINDHEIMERI. Spikes of white and red tinted blossoms; free-flowering; hardy perennial; 2 ft.....	10
GILIA. Very pretty dwarf plants, early and free bloomers, valuable for massing and rock work; 1 ft.	
TRICOLOR. White, lilac and purple. MIXED.....each	5
GLADIOLUS. Fine hybrid; mixed; saved from choice named varieties; half-hardy bulbs. See list under head of Summer Flowering Bulbs.....	20
GODETIA. Attractive and deserving of cultivation; profuse flowering plants; 1 ft. THE BRIDE. Pure white, with a crimson belt.	5
FINE MIXED VARIETIES.....	5
GYPHOPHILLA MURALIS. A small plant covered with pink flowers, suitable for hanging-baskets.....	10
PANICULATA. White flowers, beautiful for bouquets, imparting a light airy appearance; hardy perennial.....	10

For Seeds of Green-house Plants, see page 74.

	Per packet.
HELIANTHUS (<i>Sun Flower</i>). Californicus. Large double brilliant orange-colored flowers; 5 ft.....	5
NANUS. Dwarf double yellow.....	5
For RUSSIAN and MAMMOTH, see page 29.	
HESPERIS MATRONALIS (<i>Sweet Garden Rocket</i>). Early spring profuse blooming plants, growing freely in any soil; hardy perennials; 1½ ft.	
WHITE. PURPLE. MIXED.....each	5
HIBISCUS AFRICANUS. Cream color, brown centre; 1½ ft.....	5
PALUSTRIS. Large pink flowers; hardy perennial.....	5
HOLLYHOCK (<i>Althæa rosea</i>). This splendid plant vies with the Dahlia for summer decorations, and from its stately growth and the varied colors of its magnificent spikes of flowers may justly claim a place in every large garden or pleasure-ground; hardy perennial; 6 ft. For Assortments of Hollyhocks, see page 81...	
SUPERB DOUBLE ENGLISH VARIETIES. Mixed colors.....	10
IPOMOPSIS ELEGANS (<i>Standing Cypress</i>). Fine for conservatory or garden decoration; produces long spikes of dazzling scarlet flowers; half-hardy biennial; 3 ft.....	5
FINE MIXED VARIETIES.....	10
LARKSPUR (<i>Delphinium</i>). Plants possessing almost every requisite for the adornment of the garden or parterre. Profuse bloomers. They all succeed best if sown in the autumn, or very early in the spring.	
DOUBLE DWARF ROCKET (<i>Hyacinth-flowered</i>). Mixed; 1 ft.....	5
DOUBLE TALL ROCKET. A showy plant; colors mixed; 2½ ft....	5
DOUBLE DWARF CANDELABRUM-FLOWERED. Shaped like a candelabra; flowering until quite late; mixed colors; 1 ft.....	10
DOUBLE STOCK-FLOWERED (<i>Tall-branching</i>). Large flowers, fine for cutting; finest colors mixed.....	5
IMPERIALE FLORE-PLENO (<i>Emperor Larkspur</i>). Of symmetrical habit; uniform height 1½ ft., by 3½ ft. in circumference; colors brilliant dark blue, tri-color and red-striped.....	10
LILIUM AURATUM (<i>Golden-banded Lily of Japan</i>). The finest and most fragrant of the Lilies; white speckled with reddish brown and bands of gold through the centre of each petal; hardy perennial.....	20
LANCIFOLIUM. Choice mixed; hardy perennial.....	10
LINARIA CYMBALLARIA (<i>Kenilworth Ivy</i>). Small pink flowers, suitable for baskets, vases, pots and rock-work; tender.....	10
LINUM GRANDIFLORUM COCCINEUM (<i>Superb Scarlet-flax</i>). One of the most effective and showy bedding plants; brilliant scarlet, with crimson centre, tender annual; 1 ft.....	5
LEWIS. Blue, with white stripes; hardy perennial; 2 ft.....	10
LOBELIAS. The following varieties of this popular plant will be found desirable; for edgings, borders, vases, hanging-baskets, and pot culture, they cannot be surpassed; half-hardy; 6 in..	
ERINUS SPECIOSA. Of compact growth; flowers of a superb ultramarine blue. This variety blooms during the entire summer in the open borders.....	10
ERINUS ERECTA ALBA. Dwarf and compact; a white variety.....	10
SNOWFLAKE. A pure white variety of vigorous habit.....	20
PICTA. Rich velvety-veined and netted, ornamental foliage; light rose-colored flowers.....	20
PUMILA AZUREA COMPACTA. Compact growth; azure blue....	10
PUMILA GRANDIFLORA. A densely compact miniature plant, which, during the summer months, is studded with rich deep blue flowers.....	20

1. DOUBLE ENGLISH HOLLYHOCK.
2. LOBELIA.
3. LYCHNIS CHALCEDONICA.

4. LYCHNIS HYBRIDA HAAGEANA.
5. MESEMBRYANTHEMUM (ICE PLANT).
6. DOUBLE TIGERED MIMULUS.

LOBELIAS—Continued.

	Per packet.
FINEST MIXED VARIETIES.....	10
CARDINALIS (<i>Cardinal flower</i>). Hardy perennial native variety, with spikes of brilliant scarlet flowers; blooming the first season from seed, if started early; a fine border plant; 2 ft.....	10
LUPINUS. Ornamental free-flowering garden plants with long graceful spikes of rich and varied colored flowers; 2 ft.	
CHOICE MIXED, annual varieties.....	5
CHOICE MIXED, hardy perennial varieties.....	5
LYCHNIS. Handsome plants of easy culture, for beds and borders; blooms the first year if planted early; hardy perennials.	
HYBRIDA HAAGEANA. Beautiful brilliant orange-scarlet, light and dark crimson, white-flaked flowers; free-flowering; 1 ft....	10
CHALCEDONICA. Scarlet. WHITE. ROSE. MIXED; 2 ft...each	5
MARIGOLD (<i>Tagetes</i>). A well-known free-flowering plant, with rich and beautiful double-colored flowers; half-hardy.	
LARGE AFRICAN. Tall double orange and yellow, mixed.....	5
DWARF FRENCH. Fine rich colors; very double, mixed.....	5
PIGMY DWARF. A very dwarf, miniature variety.....	5
RANUNCULUS (<i>Calendula</i>). English Marigold; fine large double orange-colored flowers.....	5
MARTYNIA FRAGRANS. Delights in a rich soil and a warm situation; large fragrant, purple flowers; tender; 2 ft.....	5
MARVEL OF PERU (<i>Mirabilis Jalapa</i>). A well-known garden favorite, commonly known as the <i>Four O'clock</i> ; they bloom the first season from the seed and are treated like annuals; the roots can be preserved during the winter, like Dahlias; half-hardy perennials; fine mixed colors; 2 ft.....	5
VARIEGATED. Leaves light green, marbled; very ornamental, a variety of the above; mixed colors.....	10
MESEMBRYANTHEMUM. Profuse flowering dwarf plants, fine for beds, edgings, rock-work, baskets or vases; requiring a warm sunny situation; half-hardy; 6 in.	
CRYSTALLINUM (<i>Ice Plant</i>). Flowers white; grown and prized for its singular icy foliage.....	5
GLABRUM (<i>Dew Plant</i>). Light yellow flowers.....	5
TRICOLOR. Rosy-pink, with purple centre.....	5
MIGNONETTE (<i>Reseda odorata</i>). A well-known fragrant garden favorite; if the plants are thinned out they will grow stronger and produce larger spikes of flowers; fine for pot culture; 6 in.	
SWEET-SCENTED. The old variety with small spikes.....	5
LARGE-FLOWERED. Fine large spikes.....	5
GRANDIFLORA AMELIORATA. Plants pyramidal; flowers larger than the old varieties; stamens of a reddish tint.....	10
PARSON'S WHITE. Large spikes, and the stamens of the florets pure white; very fragrant.....	10
MIMULUS (<i>Monkey-flower</i>). Showy flowers, suitable for the green-house, or moist, shady situations; half-hardy perennials; blooming the first year from seed.	
TIGRINUS. Finest tigered or spotted; mixed colors.....	25
TIGRINUS FLORE-PLENO. A charming double variety; tigered or spotted as the Calceolaria; choice mixed colors.....	25
TIGRINUS DUPLEX. Beautiful double hose-in-hose, tigered and spotted flowers.....	25
CUPREUS BRILLIANT. A new brilliant scarlet, bedding variety; extremely showy.....	25
CHOICE MIXED VARIETIES.....	10
MOSCHATUS (<i>Musk Plant</i>). Fine for hanging-baskets, vases, etc., with a profusion of small yellow flowers; 6 in.....	10

For Seeds of Annuals by weight, see page 82.

1. PICOTEE PINK.
2. HYBRID PETUNIAS.
3. SCABIOSA.

4. MINULUS CUPREUS.
5. DREER'S PREMIUM PANSY.
6. DOUBLE PETUNIA.

	Per packet.
MYOSOTIS (<i>Forget-me-not</i>). Neat and beautiful little plants with star-like flowers; succeeds best in a shady situation, for in or out-door planting; half-hardy perennials; blooming the first year from seed; 6 in.	
ALPESTRIS. Bright blue. ALBA. Pure white.....each	10
PALUSTRIS. True Forget-me-not; blue.....	10
AZORICA ALBA. A pure white variety.....	20
AZORICA CÆLESTINA. Sky-blue flowers, produced in great profusion; handsome and very constant.....	20
NASTURTIUM (<i>Tropæolum</i>). The dwarf improved varieties are all desirable, either for the flower borders, massing, ribboning, pots or green-house; 1 ft.	
TOM THUMB SCARLET. YELLOW.....each	10
TOM THUMB PEARL. Cream color.....	10
TOM THUMB BEAUTY. Orange-spotted.....	10
CÆRULEA ROSEA. Rose-tinted maroon.....	10
CARTER'S CRYSTAL PALACE GEM. Sulphur-colored flowers, with a dark-red spot near the base of each petal.....	10
KING OF TOM THUMBS. Bluish green foliage; showy intense scarlet flowers.....	10
KING THEODORE. Selected from King of Tom Thumbs; bluish-green foliage; flowers almost black.....	10
GOLDEN KING OF TOM THUMBS. Deep golden flowers, thrown well above the dark-colored foliage.....	10
MIXED, all colors.....	10
NEMOPHILA (<i>Grove Love</i>). Of neat, compact, uniform habit of growth, comprising varied and beautiful colors; 1 ft.	
INSIGNIS. Bright blue, with white centre.....	5
MACULATA. White, blotched with violet.....	5
FINE MIXED, all colors.....	5
NIGELLA (<i>Love in a Mist</i>). A compact-growing, free-flowering plant, with curious-looking flowers and seed-pods; of easy culture, growing in any garden soil; 1 ft.	
DAMASCENA. Light blue, pretty flowers.....	5
DAMASCENA ALBA. A pure white variety of the above.	10
NIEREMBERGIA FRUTESCENS. Tender perennial, blooming the first year from seed; fine for house-culture or bedding out; flowers white tinted with lilac; 1 ft.....	10
CENOTHERA GRANDIFLORA (<i>Evening Primrose</i>). Hardy perennial; showy yellow flowers; 3 ft.....	5
OXALIS ROSEA. Beautiful plants, suitable for the green-house, rock-work, baskets, etc.; blooms the first year from seed, with clusters of rose-colored blossoms; half-hardy perennial: 6 in.....	10
PANSY (<i>Viola tricolor maxima</i>). This attractive plant is too well known to require any description, as it is a favorite with all; if grown in beds, ribbons, or massing, they are very effective. The best blooms are obtained from seed sown in the autumn, and protected during the winter. These flower early in the spring. The plants from spring sowing should be planted in a shady border; they produce fine large flowers in the autumn. They require fresh soil, well enriched with decomposed manure; hardy perennials.	
DREER'S PREMIUM VARIETIES. Saved from first-class flowers only, with special directions how to cultivate.....	50
EMPEROR WILLIAM. Large handsome flowers in great profusion, borne well above the foliage, brilliant ultra-marine blue, with eye of purple violet.....	25

PANSY— <i>Continued.</i>		Per packet.
ODIER, OR FIVE-BLOTCHED. A beautiful strain of large flowers, with dark spots on each petal.....		25
FAUST, OR KING OF THE BLACKS. Almost coal-black.....		20
LIGHT BLUE. PURE YELLOW. PURE WHITE.....each		20
PURPLE. White-edged. BEST IMPORTED. Mixed colors...each		20
GOOD VARIETIES. Mixed colors.....		10
PENTSTEMON. A beautiful half-hardy perennial plant, with long and graceful spikes of rich-colored flowers; 2 ft.; choice mixed varieties.....		10
PETUNIA. For out-door decoration, few plants are equal to it. It commences to flower early, and continues a mass of bloom the whole season. Of late years, the striped and mottled varieties have been much improved; half-hardy perennials, blooming the first year from seed For other varieties, see page 86.		
COUNTRESS OF ELLESMERE. Dark rose, with pure white throat, small flowered.....		10
HYBRIDA FLORA (<i>The Star</i>). Various shades of red and purple flowers, with five white bars, resembling a star.....		20
KERMESINA. Large rich crimson flowers.....		10
KERMESINA GRANDIFLORA. Showy large crimson flowers with white throat.....		25
PICNICIA. The original type, small deep purple flowers and trailing over the ground; 1 ft.....		5
NYCTAGINIFLORA. White fragrant, abundant bloomer.....		5
SPLENDID HYBRID VARIETIES. Mixed; all colors.....		10
FINE MIXED, old varieties.....		5
DREER'S DOUBLE HYBRIDIZED. Fecundated with the greatest care, saved from our very choice collection, a fair percentage will prove handsome double flowers.....		25
PHACELIA CONGESTA. A curious and interesting plant, good for bouquets; with pretty azure-blue flowers.....		5
PHLOX DRUMMONDI. An indispensable constant blooming plant, for bedding, etc., quite as desirable as the Verbena, for their richness of colors and beautiful-eyed varieties. For assortments of Phlox, see page 81.		
ALBA. Pure White. ISABEL. Light Yellow.....each		10
ATROPURPUREA. Blood purple. ROSEA. Rose-colored.....each		10
ALBA OCCULTA. White, with dark eye.....		10
LOUIS NAPOLEON. Brilliant scarlet.....		10
LEOPOLDI. Deep pink, with white eye.....		10
RADOWITZI. Dark rose, striped with white.....		10
QUEEN VICTORIA. Violet, with white eye.....		10
EMPRESS EUGENIE. Rose, marbled.....		10
VIOLACEA VARIEGATA. Violet, variegated.....		10
RADOWITZI WILLIAM I. Crimson, white striped.....		10
CHOICE MIXED. Finest varieties.....		10
GOOD MIXED. Old varieties.....		5
PERENNIAL VARIETIES. Mixed colors.....		10
PINKS (<i>Dianthus</i>). Well-known delightful fragrant plants, of easy culture; for the green-house or open border; hardy perennials.		
FINE GARDEN (<i>Dianthus Hortensis</i>). Double mixed varieties...		10
PHEASANT'S EYE (<i>Dianthus plumarius</i>). Fringed, white with dark eye.....		5
PLUMARIUS, DOUBLE MIXED. A double variety of the Pheasant's Eye Pink; fringed edges of various colors.....		20
PICOTEE. Finest selected English varieties; half-hardy.....		25

For Seeds of Ornamental Foliage Plants, see page 67.

Per packet.

PORTULACA. Plants of easy culture, luxuriating in an exposed sunny situation; flowers large and of rich shades of color, and produced throughout the summer in great profusion; fine for massing in beds; 6 in. For assortments of Portulaca, see page 81.	
ALBA. White. CARYOPHYLLOIDES. Carnation striped.....each	5
AURANTIACA. Orange. SPLENDENS. Crimson purple.....each	5
THORBURNI. Yellow. THELLUSONI. Scarlet.....each	5
ROSEA. Rose-colored. MIXED, all colors.....each	5
GRANDIFLORA FLORE-PLENO (<i>Double-flowering Portulaca</i>).	
There is no plant for the flower garden more desirable. A bed of double Portulaca, when seen under a mid-day sun, presents such a glow of brilliant colors as to excite the admiration of all; the flowers are perfectly double, of the most brilliant scarlet, crimson, white, variegated, buff, yellow, orange and rose, admirably adapted to withstand the influences of heat and drought. Seed saved from all double flowers, and a large proportion will prove double.....	20
POLYANTHUS (<i>Primula Elatior</i>). Showy early spring-flowering plants, fine for pot or out-door culture; finest English varieties; hardy perennials; 1 ft.; mixed colors.....	25
GOOD MIXED VARIETIES. All colors.....	10
POPPY (<i>Papaver</i>). Showy and easily cultivated flowers. Sow early in the spring; they will not bear transplanting; 2 ft.	
PÆONY-FLOWERED. Large and very double; mixed colors.....	5
RANUNCULUS-FLOWERED. Double-fringed; mixed colors.....	5
CARNATION. Double mixed. MIXED VARIETIES, all colors.....each	5
POTENTILLA AUREA. Profuse-flowering herbaceous plants; hardy perennial; 1½ ft.; yellow, with pink eye.....	5
PRIMULA VERIS (<i>English Cowslip</i>). Hardy perennial; 6 in. Mixed colors.....	10
RHUS COTINUS (<i>Purple Mist Tree</i>). A hardy ornamental dwarf tree, beautiful when in full bloom, resembling mist.....	10
SALPIGLOSSIS. Neat and beautiful plants, with penciled and marbled funnel-shaped flowers; suitable for pot-culture or the flower-border, blooming all summer; half-hardy; 1½ ft.	
LARGE-FLOWERED VARIETIES. Very splendid; mixed, all colors;	10
FINE MIXED VARIETIES. All colors.....	5
SANVITALIA PROCUMBENS FLORE-PLENO. This double-flowered variety is much larger than the single flowers; a valuable bedding plant; 6 in.; bright golden yellow.....	10
SAPONARIA. Beautiful compact-growing plants, with masses of miniature cross-shaped flowers, blooming throughout summer and late autumn; 6 in.	
CHOICE MIXED VARIETIES.....	10
OCYMOIDES. A hardy perennial variety, one of the finest plants for covering rock-work, etc.; rosy pink flowers.....	10
SCABIOSA (<i>Mourning Bride, or Sweet Scabius</i>). Plants with beautiful double various-colored flowers; fine for bouquets.	
FINE GERMAN VARIETIES. Mixed, all colors; 2 ft.....	5
DWARF VARIETIES. Double mixed, all colors; 1 ft.....	10
CANDIDISSIMA PLENA. Double, pure white flowers.....	20
SCHIZANTHUS. A splendid class of plants, combining elegance of growth with a rich profusion of flowers; half-hardy; 2 ft.	
GRANDIFLORUS OCCULATUS. Various shades with blue centres...	5
PINNATUS. Pinnated-leaved; purple and yellow spotted.....	5
FINE MIXED VARIETIES. All colors.....	5

For Seeds of Everlasting Flowers, see page 70.

1. DOUBLE PORTULACA.
2. DOUBLE SANVITALIA.

3. SALPIGLOSSIS.
4. TAGETES SIGNATA PURSH.

	Per packet.
SEDUM (<i>Stone-Crop</i>). A pretty little plant, growing freely on rock or rustic-work, hanging-baskets, etc.; hardy perennial; 3 in. Mixed varieties.....	10
SENECIO OR JACOBCEA. Free growing plants, producing gay-colored double flowers in profusion; mixed colors; 1 ft.....	10
SENSITIVE PLANT (<i>Mimosa pudica</i>). Curious and interesting plants, pinkish white flowers, leaves close and droop when touched; tender; 2 ft.....	5
STOCKS (<i>Mathiola</i>). The Stock Gilly-flower is one of the most popular, beautiful and important garden favorites; whether for bedding, massing, or pot-culture, it is unsurpassed either for brilliancy and diversity of color or profusion and duration of bloom. The TEN-WEEK STOCKS (<i>Mathiola annua</i>) are generally cultivated, and bloom 10 to 12 weeks after being sown; they grow from 6 to 15 inches high, and when grown in rich soil, and occasionally watered with weak guano water, throw out an immense quantity of lateral spikes of bloom, so that each plant forms a perfect bouquet of delightful fragrance. We offer the following varieties, imported from one of the best growers in Prussia; half-hardy; 1 ft. For assortments of Stocks, see page 81.	
DWARF GERMAN TEN-WEEK. Mixed colors.....	10
DWARF BOUQUET TEN-WEEK. Mixed colors.....	20
PERPETUAL DWARF TEN-WEEK. Mixed colors.....	20
WALLFLOWER-LEAVED DWARF TEN-WEEK. Mixed colors.....	20
NEW TREE-OR GIANT TEN-WEEK. Mixed colors.....	20
LARGE-FLOWERING DWARF TEN-WEEK. Mixed colors.....	10
LARGE-FLOWERED DWARF TEN-WEEK ROYAL GEM. One of the finest Stocks; of a rich dark crimson color, very double....	20
LARGE-FLOWERING DWARF TEN-WEEK. The following are desirable colors, each separate:	
CANARY YELLOW. BLOOD-RED.....each	20
WHITE. LIGHT-BLUE. PURPLE. CRIMSON.....each	10
INTERMEDIATE, NEW GIANT. Autumn-flowering, continuing in bloom a long time; flowers large and double; of a deep scarlet color.....	20
INTERMEDIATE. Autumnal-flowering, very beautiful; choice mixed, double, scarlet and white.....	10
BROMPTON OR WINTER. Half-hardy biennial, bushy plants; producing a beautiful display of flowers; mixed colors; 2 ft.....	10
PERPETUAL EMPEROR. Half-hardy perennial; large-flowering; choice colors; mixed; 1½ ft	10
SWEET WILLIAM (<i>Dianthus barbatus</i>). A well-known free-flowering hardy perennial, producing a splendid effect in beds, mixed flower and shrubbery borders; 2 ft.	
DOUBLE-FLOWERING. Fine mixed colors.....	10
AURICULA-FLOWERED PERFECTION. Choice mixed colors.....	10
NEW DARK. Very rich velvety dark colors.....	10
MIXED. Good varieties.....	5
TAGETES SIGNATA PUMILA. An acquisition to our list of annuals; of dwarf, compact, bushy growth, densely covered with bright yellow single flowers; valuable for borders as well as beds; planted by itself, or alternated with different colored flowers; 1 ft.....	10
TOURNEFORTIA HELIOTROPOIDES (<i>Summer Heliotrope</i>). Bluish-lilac flowers, trailing; half-hardy.....	10

1. DOUBLE ZINNIA HAAGEANA.

2. SCHIZANTHUS.

3. WHITLAVIA.

4. HYBRID VERBENA

	Per packet.
VALERIANA. Very showy border plants; will grow in any garden soil; hardy perennial; 1½ ft. RED. WHITE.....each	5
VERBENA HYBRIDA. Indispensable popular bedding plants; beautiful self-colored, striped, and variegated flowers; half-hardy annuals, can also be treated as perennials.	
DREER'S STRIPED. Beautiful varieties of brilliant colors.....	50
EXTRA CHOICE MIXED. Selected from our newest and finest named varieties and richest colors \$6.00 per oz. net.....	25
FINE MIXED VARIETIES. All colors.	10
VINCA (<i>Madagascar Periwinkle</i>). Ornamental free-blooming bedding plants. Green-house, evergreen shrubs, with shining green foliage, treated as tender annuals; 2 ft.	
ROSEA. Rose, dark eye. ALBA. White, crimson eye.....each	10
ALBA PURA. Pure white. MIXED COLORS.....each	10
VIOLET (<i>Viola odorata</i>). Well-known plants for edgings, groups, or borders; hardy perennials; sweet-scented blue flowers; 6 in....	10
WALL-FLOWER (<i>Cheiranthus Cheiri</i>). Deliciously fragrant flowers, and prized for bouquets; half-hardy perennials; 2½ ft.	
FINEST GERMAN VARIETIES. Mixed colors.....	10
BLOOD-COLORED. Rich showy flowers.....	5
WHITLAVIA GRANDIFLORA. Fine violet blue, bell-shaped flowers, growing freely, and effective for bedding; 1 ft.....	5
ALBA. A white variety of the above.....	5
ZINNIA ELEGANS, FLORE-PLENO. Double Zinnias are quite an acquisition to our list of half-hardy annuals, the splendid double flowers rivalling in beauty and form moderate-sized Dahlias. Fall-flowering plants, producing a profusion of rich and varied-colored flowers; 1½ ft.	
WHITE. Well-shaped pure white flowers.....	10
EXTRA CHOICE MIXED. Saved from selected flowers.....	10
TAGETIFLORA. A new double variety, the petals being quilled as perfectly as a Globe Aster.....	10
HAAGEANA. A double variety of Zinnia Mexicana; flowers deep orange, margined with bright yellow; of long duration, and densely covered until frost. The flower dries easily, keeping the color in its natural brilliancy.....	20

LOASA LATERITIA.

MAURANDIA.

SEEDS OF CLIMBING PLANTS.

Climbers are indispensable, useful, and very ornamental plants, for covering old buildings, walls, arbors, trellises, and stumps with graceful foliage, and beautiful rich colored, varied-shaped flowers in great profusion: the strong growing varieties for larger objects, and the more delicate for pots, vases, baskets, and balcony decorations. Care should be taken in selecting those varieties suitable for the purpose they are intended; also the necessary support must be furnished in time; if neglected and the plants are left to grow wild, they cannot always be made to assume good habits after once thus neglected.

Per packet.

ABOBRA VIRIDIFLORA. Half-hardy tuberous-rooted perennial, fruiting the first year from seed; with beautiful cut glossy, dark green foliage, and small oval scarlet fruit.....	10
ADLUMIA CIRRHOSA (<i>Mountain Fringe</i>). A hardy biennial, flowering the first season, of graceful habit and delicate foliage, clusters of rosy-lilac flowers; 15 ft.....	10
ARISTOLOCHIA SIPHO (<i>Dutchman's Pipe</i>). Hardy perennial; ornamental, curious-shaped flowers.....	10
BALLOON VINE (<i>Cardiospermum Halicacabum</i>). Half-hardy, rapid growing plant; flowers white, producing inflated capsules.	5
BRYONOPSIS LACINIOSA ERYTHROCARPA. Half-hardy, ivy-like pale green foliage plant, with beautiful scarlet fruit, marbled white.....	10
CLEMATIS FLAMMULA (<i>Virgin's Bower</i>). Hardy perennial, fine for arbors and verandahs, white, very fragrant.....	10
COBÆA SCANDENS. Half-hardy perennial, flowering the first season, with large bell-shaped purple flowers. In sowing, place the seeds edgewise and cover with light soil. Comes up best in a hot-bed; 20 ft.....	10
COCCINIA INDICA. Half-hardy perennial, flowering the first season if started early, with beautiful smooth, glossy, ivy-like leaves, contrasting with the fine, snow-white, bell-shaped flowers, brilliant carmine fruit.....	10
CONVOLVULUS MAJOR (<i>Morning Glory</i>). One of the handsomest flowering and most rapid growing plants in cultivation; the beauty and delicacy of their colors are unsurpassed; 15 ft.	
LARGE BLUE. LARGE WHITE.....each	5
BURRIDGE. Rosy crimson, with white centre.....	5
MIXED VARIETIES. All colors.....	5
AUREUS SUPERBUS. Golden yellow flowers; 6 ft.....	10
CYCLANTHERA EXPLODENS. A free-growing handsome foliage plant, oval-shaped fruit, exploding when ripe; 10 ft.....	10
CYPRESS VINE (<i>Ipomœa quamoclit</i>). A half-hardy, very beautiful, delicate, fern-like foliage plant, and masses of bright crimson and white flowers. Plant about the 10th of May; 15 ft.	
CRIMSON. Very brilliant. WHITE. Pure white.....each	5
MIXED. White and crimson.....	5
ECCREMOCARPUS SCABER (<i>Colampelis</i>). Tender rapid-growing plant, with cluster of orange tube-shaped flowers.....	10
GOURD, ORNAMENTAL (<i>Cucurbita</i>). A tender rapid-growing interesting plant, with striking foliage and singular fruit.	
CALABASH. The old Dipper Gourd.....	5
HERCULES' CLUB. Club-shaped; 4 to 5 ft. long.....	5
EGG-SHAPED. MOCK ORANGE. POWDER HORN.....each	5
APPLE SHAPED, PEAR SHAPED, CUCUMBER SHAPED.....each	5
ARGYROSPERMA. From Texas; also known as the <i>Bonnet Gourd</i> .	10
TRICOSANTHES COLUBRINA (<i>True Serpent Gourd</i>). Striped like a serpent, changing to carmine.....	10

	Per packet.
HYACINTH BEAN (<i>Dolichos Lablab</i>). Tender, rapid-growing, free-flowering plant, for covering arbors, trellises, etc.	
PURPUREA. Purple flowers, and seed-pods of a purple maroon..	5
ALBA. Pure white. MIXED.....each	5
IPOMÆA (<i>Morning Glory</i>). Tender, of rapid growth and beautiful flowers; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable; 15 ft.	
COCCINEA. Small scarlet flowers, sold as the <i>Star "Ipomœa"</i>	5
COCCINEA LUTEA. Small yellow flowers.....	5
LIMBATA. Violet, margined with white, large and fine.....	10
STRIATA NOVA. Beautifully striped, three-colored.....	5
GRANDIFLORA SUPERBA. Large blue flowers, with a broad white border.....	10
CHOICE MIXED VARIETIES. All colors.....	10
HUBERI. The new Japanese hybrids, between <i>Grandiflora</i> and <i>Hederacea</i> . Some with silvery-white, marbled foliage; large trumpet-shaped flowers beautifully margined, of various colors.	
MIXED. All colors.....	10
FOLIIS VARIEGATIS. Foliage beautifully mottled and marbled with white; mixed colors.....	10
BONA NOX (<i>Evening Glory</i>). Violet, very large fragrant flowers, which expand in the evening.....	10
LATHYRUS (<i>Everlasting Pea</i>). Showy, free-flowering, hardy perennial plant, growing in any common soil; ornamental for covering old stumps, fences, or walls; 5 ft.	
LATIFOLIUS. Purple flowers.....	5
LATIFOLIUS ALBUS. White flowers.....	10
LOASA LATERITIA. Half-hardy perennial, flowering the first season; a rapid-growing, free-flowering plant, with curious and beautiful orange-red flowers.....	10
LOPHOSPERMUM SCANDENS. Half-hardy ornamental plant, with showy, fox-glove-like, rosy purple flowers; 10 ft.....	20
HENDERSONI. Similar to the above, rosy carmine flowers.....	20
MAURANDIA. Half-hardy perennials, flowering the first season; beautiful, rapid slender-growing plants, blooming profusely until late in the autumn. Plants should be started in the hot-bed or green-house; 10 ft.	
ALBIFLORA. Pure white. BARCLAYANA. Purple.....each	10
ROSEA. Dark rose. MIXED. All colors.....each	10
SWEET PEAS (<i>Lathyrus odoratus</i>). Very beautiful, fragrant and free-flowering plants, fine for screening unsightly objects; blooming all summer if the flowers are cut freely, or the pods picked off as they appear; 6 ft.	
CROWN PRINCESS OF PRUSSIA. Bright blush, very fine.....	10
BROWN'S INVINCIBLE SCARLET. A beautiful bright scarlet.....	10
LIGHT BLUE. PURPLE. STRIPED. TRICOLOR. WHITE....each	5
MIXED. All colors.....	5
THUNBERGIA. Half-hardy, desirable, slender, rapid-growing plants with pretty flowers, and constant bloomers; fine for vases, rustic work, green-house or out-door culture; 4 ft.	
ALBA. White, dark eye. ALATA. Buff, dark eye.....each	10
ABRANTIAEA. Orange, dark eye. BAKERI. Pure white....each	10
ALATA UNICOLOR. Pure yellow. MIXED. All colors.....each	10
TROPEOLUM. Half-hardy, elegant, profuse flowering plants, for verandahs, trellises, etc, either in or out doors; 10 ft.	
CANARY BIRD FLOWER (<i>Peregrinum</i>). With yellow canary-like flowers; very ornamental.....	10
LARGE DARK CRIMSON (<i>Nasturtium Majus</i>). Showy flowers...	5

For Seeds of Green-house Climbers, see page 74.

SEEDS OF ORNAMENTAL FOLIAGE PLANTS.

They have become very popular for ornamental gardening and sub-tropical effect; for planting in groups and massing, also for ribbons and edgings. The following varieties can be readily grown from seed. For directions for sowing and management, see page 41.

	Per packet.
ACANTHUS. A stately and beautiful ornamental plant. From the leaf of <i>Acanthus mollis</i> the capital of the Corinthian column is derived. Growing freely in any rich, loamy soil. Hardy perennial. Mixed varieties.....	10
AMARANTHUS. Showy, ornamental plants; very effective in groups, for the centre of beds or flower borders; the colors are most brilliant in poor soil and a dry season; half-hardy.	
BICOLOR RUBER. Foliage scarlet and maroon, sometimes tipped with yellow; 4 ft.....	10
GORDONI. Bronzy crimson foliage, shading off to brilliant scarlet tufts of leaves on top of the stalk, the lower leaves having a scarlet band through the centre.....	10
MELANCHOLICUS RUBER. Compact habit, with striking blood-red foliage; 1½ ft.....	5
SALICIFOLIUS (<i>Fountain Plant</i>). A pyramidal plant, branching close to the ground. The leaves are willow-shaped, elongated, and wavy, at first of a bronzy green shade. As the plants become stronger, the leaves at the ends of the branches assume a bright orange-carmine and bronze color, forming magnificent plumes, and giving the plant a picturesque appearance; 4 ft....	10
TRICOLOR (<i>Joseph's Coat</i>). Leaves red, yellow, and green; a very handsome and showy plant; 3 ft.....	5
BASELLA RUBRA VARIÉGATA. A beautiful plant for sunny positions, fleshy white and green foliage, with bright red stems; tender perennial; 3 ft.....	10
BOCCONIA JAPONICA. Foliage white on the under side, and fine spikes of cream-colored flowers, very effective in the autumn; hardy perennial; 5 ft.....	10
FRUTESCENS. Large, glaucous foliage, of fine effect for out-door decorations; tender perennial.....	10
CANNA (<i>Indian Shot</i>). The Cannas are a stately species of plants, highly ornamental, producing a very rich and oriental effect, by their large, broad, massive foliage, terminated by racemes of crimson, orange, or scarlet variously lobed flowers. Soak the seed in hot water before planting; take up the roots before frost, and preserve in a warm cellar or room. Half-hardy perennials. For plants and illustration see page 118.	
BIHORELLI. Scarlet, free-blooming, with rich brown leaves; a dwarf showy plant; 2 ft.....	20
BONNETI FLORIBUNDA. Foliage purple and green; flowers large, orange red; very choice; 7 ft.....	10
CUBENSIS. Orange and red. GIGANTEA. Large, scarlet....each	10
LIMBATA. Intense scarlet, edged with yellow; 4 ft.....	10
MUS.FOLIA HYBRIDA. Red, large foliage, resembling a small banana; 2 ft.....	10
MUTABILIS. Changeable; 5 ft.....	10
NE PLUS ULTRA. Large foliage, of a beautiful bronzy purple; flowers brilliant, dark scarlet.....	20
NIGRICANS. Scarlet; foliage intensely dark.....	10
RENDATLERI. Large orange flowers, very beautiful, foliage green and purple.....	10
TRICOLOR. Foliage three-colored, green, red and yellow.....	20
ZEBRINA. Scarlet; beautiful zebra-striped foliage; 4 ft.....	10
MIXED VARIETIES. All colors.....	5

1. RICINUS.
2. CENTAUREA CANDIDISSIMA.
3. CINERARIA MARITIMA.

4. CENTAUREA CLEMENTI.
5. AMARANTHUS MELANCHOLICUS RUBRA.
6. AMARANTHUS SALICIFOLIUS.

	Per packet.
CENTAUREA. Half-hardy perennials, fine for bedding, vases, hanging-baskets, and pots. Also used for marginal lines.	
GYMNOCARPA. Silvery gray foliage, very graceful; 1½ ft.....	25
CANDIDISSIMA. Splendid silvery-leaved; 1 ft.....	25
CLEMENTEI. Robust free-growing plant, crowns of beautiful silver leaves, deeply fringed and cut in lobes; 6 in.....	25
CINERARIA (<i>Dusty Miller</i>). Half-hardy perennials, fine for bedding and ribbon beds; prized for their beautiful silvery foliage.	
MARITIMA. With yellow flowers.....	10
MARITIMA CANDIDISSIMA. An improvement on the above.....	20
ACANTHIFOLIA. Foliage beautifully cut like the Acanthus.....	20
ECHEVERIA METALLICA. Broad, saucer-shaped leaves, of a peculiar lilac and metallic tinge, for the green-house or open garden; tender perennial.....	25
EUPHORBIA VARIEGATA. Showy, white-and-green foliage; 2 ft.	5
FERDINANDA EMINENS. Showy and large foliage; 4 ft.....	25
HUMEA ELEGANS. Half-hardy biennial; a remarkably handsome decorative plant, producing drooping pyramids of ruby-red, grass-like florets, either for pots or the garden; 8 ft.....	10
MAIZE. STRIPED-LEAVED JAPANESE (<i>Zea Japonica fol. variegata</i>). It is beautifully and evenly striped, and ribboned with alternate stripes of green and white; half-hardy; 5 ft.....	5
GRACILLIMA (<i>Miniature Maize</i>). Foliage elegantly striped.....	10
PERILLA NANKINENSIS FOLIIS VARIEGATIS. The foliage of this variety is variegated and striped with rosy carmine, and sometimes with white, producing a charming effect.....	10
NANKINENSIS. A neat plant, with dark purple foliage; 1½ ft.....	5
PYRETHRUM FOLIUM AUREUM (<i>The Golden Feather</i>). A highly ornamental golden foliage plant, for ribbon gardening...	10
RICINUS. Plants of stately growth and picturesque foliage, combined with brilliant-colored fruit, producing an oriental effect; fine for lawns and pleasure grounds; half-hardy.	
SANGUINEUS. Blood-red stalks and seed-pods; 8 ft.....	10
TRICOLOR. Green-and-brown spotted red fruit, stalks red; 6 ft...	10
AFRICANUS ALBIDUS. White fruit; stem and leaves silvery; 8 ft.	10
BORBONIENSIS ARBOREUS. Large and showy foliage; 15 ft.....	10
FINE MIXED VARIETIES.....	10
SOLANUM. Beautiful fruit-bearing plants (not edible), among the most interesting green-house shrubs; fine for groups on lawns or single specimens. Half-hardy perennials, fruiting the first season from seed.	
CILIATUM. Brilliant scarlet fruit, which retains its bright color and form long after ripe; fine for Christmas decorations; 1½ ft.	10
CAPSAICASTRUM. Red, cherry-like fruit; 1½ ft.....	10
MARGINATUM. Grayish foliage, margined white, yellow fruit; 2 ft.	10
ROBUSTUM. Rich brown-tinted leaves and long spines render the foliage extremely ornamental.....	20
WARSCWICZI. Immense lobed leaves of a dark green color, rich inflorescence and ornamental fruit; when planted in masses produces a grand effect; 6 ft.....	10
WHEELERI. An improvement on the old Jerusalem Cherry. Fruit oval and of handsome growth.....	20
WIGANDIA CARACASANA. A grand plant, with stupendous leaves, richly veined, and stems covered with crimson hairs; half-hardy perennial; 6 ft.....	25
IMPERIALIS. A new variety; leaves larger and firmer.....	25
YUCCA FILAMENTOSA. A hardy perennial plant, requires several years to grow to perfection from seed; with large clusters of white flowers on tall stems; 3 ft.....	10

SEEDS OF EVERLASTING FLOWERS.

This class of plants have become very popular, and are generally cultivated for their beautiful rich-colored flowers, which are desirable for making up winter bouquets, wreaths, and Christmas decorations. They should be cut when in perfection, tied in small bunches, and dried slowly in the shade with their heads downwards, to keep the stems straight.

	Per packet.
ACROCLINIUM. Charming plants, flowering freely in any good garden soil; half-hardy; 1 ft.	
ROSEUM. Bright rose. ALBUM. Pure white.....each	5
AMMOBIUM ALATUM. Showy small white flowers; 2 ft.....	5
GOMPHRENA (<i>Globe amaranthus</i>). Handsome flowers of various colors, familiarly known as the " <i>Bachelor's Button</i> ;" half-hardy; 2 ft.	
ALBA. Pure white. PURPUREA. Rich crimson.....each	5
AUREA. Orange. STRIATA. Red and white striped.....each	5
MIXED, all colors.....	5
HELICHRYSUM. Exceedingly effective choice double flowers, fine for borders; succeed in any rich soil; 1½ ft.	
ALBUM. Pure white. LUCIDUM. Yellow.....each	5
ATRO-SANGUINEUM. Dwarf, with deep crimson flowers	10
MACRANTHUM. Large pink flowers.....	5
MONSTROSUM ATRO-SANGUINEUM. Beautiful large double dark-red flowers.....	10
MONSTROSUM. Large showy flowers; mixed colors.....	10
MIXED VARIETIES, assorted colors.....	5
HELIPTERUM SANFORDI. A very pretty border plant of dwarf tufted habit with neat foliage and large globular clusters of bright golden yellow flowers; tender; 9 in.....	10
POLYCOLYMNA STUARTI. Large white flowers; 1½ ft.....	5
RHODANTHE. A delicate and charming half-hardy plant, succeeds best in light rich soil and a warm situation; valuable for pot or border culture; 1 ft.	
ATRO-SANGUINEA. Dwarf, branching habit, disk of a dark crimson shade, ray scales of a bright purple.....	10
MACULATA. Bright rosy purple with yellow disk.....	10
MACULATA ALBA. Silvery white with yellow disk.....	10
MANGLESII. Bright rose, silvery calyx.....	10
MANGLESII FLORE-PLENO (<i>Prince Bismarck</i>). This new double variety is undoubtedly a great acquisition, and well worthy of extensive cultivation.....	25
STATICE. Half-hardy, free-flowering, showy plant, of easy culture.	
BONDUELLI. Deep golden yellow flowers; 1½ ft.....	10
SINUATA. Purple and yellow flowers; 1 ft.....	10
SINUATA HYBRIDA MIXED.....	10
SPICATA. Fine for beds, edgings, or pot-culture; early flowering plants, producing numerous ear-like spikes of rosy pink flowers.....	20
WAITZIA. Handsome half-hardy plants, bearing their flowers in clusters; of easy culture, thriving in any good soil; 1½ ft.	
AUREA. Bright yellow flowers.....	20
CORYMBOSA. Flowers of a lively red color with yellow disk; 1 ft.	20
XERANTHEMUM. Showy double free-flowering border plants, doing well in any garden soil; 2 ft.	
IMPERIAL. Flowers deep purplish violet.....	10
CARNATION. Striped, very beautiful.....	10
PURPLE. WHITE. MIXED.....each	5

1. XERANTHEMUM.
2. AMMOBIUM ALATUM.
3. HELICHRYSUM.
4. ACROCLINIUM.

5. RHODANTHE.
6. GOMPHRENA.
7. HELIPTERUM SANFORDI.
8. STATICE SINUATA.

SEEDS OF ORNAMENTAL GRASSES.

These form a beautiful and attractive addition to the Flower Garden; their graceful forms and refreshing green colors giving a pleasing relief to the brilliancy of the more showy occupants of the flower borders. When carefully dried, they are useful in making up winter bouquets, etc.

Cut when in full bloom, and before the flower gets too old, tie in small bunches and hang up in a dry, dark place, with their heads downwards. They are nearly all annuals, and those which are not should be marked, so they will not be destroyed for weeds.

	Per packet.
AGROSTIS. All the varieties of this class are exceedingly beautiful and graceful; of dwarf growth; $1\frac{1}{2}$ ft.	
PULCHELLA. NEBULOSA. MIXED.....each	5
ANTHOXANTHUM GRACILE. Graceful and pretty; 6 in.....	10
AVENA STERILIS (<i>Animated Oats</i>). With pretty, large, drooping spikes, on slender stems; 2 ft.....	5
BRIZA COMPACTA. An erect, compact variety of Quaking Grass; also known as Rattlesnake Grass; 1 ft.....	5
GRACILIS. Small, delicate and graceful racemes; 1 ft.....	5
MAXIMA. Large Quaking Grass; beautiful rattles; 1 ft.....	5
BROMUS BRIZÆFORMIS. A beautiful and graceful variety, with drooping panicles resembling Briza Maxima; hardy perennial; $1\frac{1}{2}$ ft.....	5
CHLORIS TRUNCATA. Fine silvery plumes, with abundant foliage; elegant for bedding in groups; 2 ft.....	5
COIX LACHRYMÆ (<i>Job's Tears</i>). With broad, corn-like leaves; half-hardy; 2 ft.....	5
ELEUSINE BARCINONENSIS. Curious, with stems resembling horns; elegant for pot-culture; 1 ft.....	10
ERAGROSTIS (<i>Love Grass</i>). Exceedingly pretty and ornamental; a favorite and graceful grass; 2 ft.	
ELEGANS. MIXED.....each	5
ERIANTHUS RAVENNÆ. A hardy perennial, noble grass, with exquisite white plumes resembling the Pampas Grass. Fine for lawns if planted in clumps. Flowers the first season from seed if sown very early in the green-house or hot-bed; 7 ft.....	10
GYNERIUM ARGENTEUM (<i>Pampas Grass</i>). Half-hardy perennial; will stand out over winter, if protected with straw or leaves; the most noble grass in cultivation; with silvery plumes on stems from 6 to 10 feet high.....	20
ARGENTEUM FOLIIS VARIEGATIS; with variegated foliage; and flowering in large, silvery plumes; 8 ft.....	20
HORDEUM JUBATUM (<i>Squirrel Tail Grass</i>). Very handsome and lovely purple plumes; 3 ft.....	10
ISOLEPSIS GRACILIS. Half-hardy perennial; dwarf, very graceful, suitable for baskets, vases, etc.....	20
LAGURUS OVATUS (<i>Hare's Tail Grass</i>). Beautiful small white heads or spikes of bloom; 1 ft.....	5
PENNISETUM LONGISTILUM. A very graceful and interesting plant; $1\frac{1}{2}$ ft.....	5
PHALARIS ARUNDINACEA. A variety of Ribbon Grass: 3 ft..	5
STIPA PENNATA (<i>Feather Grass</i>). Hardy perennial plant with beautiful delicate white feathery grass; flowering the second season from seed. The seed being slow to vegetate, it should be started in a hot-bed; 2 ft.....	10
ELEGANTISSIMA. A superb variety of the above; fine for pot or border-culture.....	10

1. HORDEUM JUBATUM.
2. BROMUS BRIZÆFORMIS.
3. AGROSTIS PULCHELLA.

4. STIPA PENNATA.
5. LAGURUS OVATUS.
6. BRIZA MAXIMA.

SEEDS OF GREEN-HOUSE PLANTS.

The following varieties can be grown successfully from seed, by proper care and attention. For method of sowing, etc., refer to pages 41, 42, and 43. The varieties with an * are suitable for bedding out during the summer.

	Per packet.
*ABUTILON (<i>Chinese Bell Flower</i>). Plants of strong growth and easy cultivation; free-flowering, with various-colored, drooping bell-shaped flowers; 2 to 6 ft.	
FINE MIXED VARIETIES.....	25
ACACIA. A genus of great elegance and immense variety; fine ornamental foliage; beautiful racemes of yellow flowers. Soak the seed in warm water before sowing.	
FINE MIXED VARIETIES.....	25
*AGAPANTHUS UMBELLATUS (<i>Blue African Lily</i>). Bulbous-rooted, with evergreen foliage and large heads of small blue flowers, blooming in succession, on stalks 3 ft. high.....	25
AMARYLLIS HYBRIDA. Beautiful bulbous-rooted plants, producing from two to four of the richest colored crimson, scarlet, and white-striped, lily-like flowers, on a stalk; 1 ft. high.	
FINE MIXED VARIETIES.....	25
ARDISIA CRENULATA. An evergreen shrub, with beautiful small red berries, remaining in perfection all winter.....	25
ASCLEPIAS CURASSAVICA. Singular scarlet flowers.....	20
*AURICULA. From splendid choice varieties, mixed.....	25
AZALEA INDICA. Beautiful shrubby plants, saved from a collection of large showy flowers; 2 to 4 ft.; finest mixed.....	25
BEGONIA HYBRIDAS. Beautiful varieties of Rex, etc., variegated foliage, choice mixed.....	25
*BEGONIA (<i>New hybrid, tuberous-rooted</i>). These splendid varieties, growing 12 to 18 in. high, of a branchy habit, are covered the whole summer with bright and elegant flowers; blooming the first season from seed. Tubers to be taken up and kept in dry sand during the winter from frost.	
BOLIVIENSIS. Large, orange-colored flowers.....	25
SEDENI. Clusters of bright carmine flowers; 3 in. in diameter...	25
SEDENI VICTORIA. Bright carmine scarlet flowers, of compact growth and great profusion of bloom.....	50
VEITCHI. Flowers of the richest scarlet.....	25
BONAPARTEA JUNCEA. A choice ornamental plant, with long rush-like leaves and blue flowers.....	25
CALCEOLARIA. Superb plants, of a highly ornamental character, and universal favorites for the decoration of the greenhouse or conservatory. For sowing of seed and cultivation, see pages 42 and 43.	
HYBRIDA GRANDIFLORA. Superb, large, rich, self-colored flowers; saved from a choice collection; mixed colors.....	50
HYBRIDA. Large spotted or tigered flowers; mixed colors.....	50
HYBRIDA NANA. Superb, dwarf; spotted flowers; mixed.....	50
*RUGOSA (<i>Shrubby</i>). Bedding varieties; finest mixed colors.....	50
*CHAMÆPEUCE DIACANTHA (<i>Ivory Thistle</i>). A rare ornamental foliage, biennial Carduinea, with long leaves thickly set with spines, symmetrically arranged. The mid-rib of the leaves and spines are of ivory-white and the glossy green of the leaves is shaded by a snowy down; 2 ft.....	20
CASABONÆ (<i>Fish-bone Thistle</i>). Glossy green leaves, with white nerves and brown spines; half-hardy perennial; 1 ft.	10

1. AURICULA.
2. CHAMÆPEUCE DIACANTHA.
3. DOUBLE CINERARIA.

4. CYCLAMEN.
5. BEGONIA (Tuberous-rooted Hybrids).

	Per packet.
CINERARIA (<i>Cape Asters</i>). A favorite green-house plant; blooming during the winter and spring months. Our collection is very choice. For culture, see page 43.	
HYBRIDA. Splendid mixed varieties, all colors.....	25
HYBRIDA NANA. Splendid dwarf compact varieties, mixed.....	25
FLORE-PLENO (<i>New Double Cineraria</i>). The beginning of a race of plants which for cut flowers will be unsurpassed. All the colors of the single exist in this new double variety.....	1 00
*CLIANTHUS DAMPIERI (<i>Glory Pea</i>). A beautiful climber, with elegant foliage, and brilliant, rich scarlet, long, pea-shaped flowers, 3 in. in length; each flower picturesquely marked with a large, black blotch in front. When planted out doors, it requires a dry, warm, sandy soil, and should be watered sparingly.	25
DAMPIERI FLORE ALBO. A white variety of the above.....	50
*COLEUS. One of the most beautiful of our variegated foliage plants. Saved from our fine collection; mixed varieties.....	25
CYCLAMEN. Charming bulbous-rooted plants, with beautiful foliage; universal favorites for the green-house or parlor and for winter and spring blooming; 6 in.	
PERSICUM. Flowers white and pink.....	25
PERSICUM ATRO-RUBRUM. Dark crimson; large flowering.....	25
PERSICUM ALBUM. Pure white flowers.....	25
*ERYTHRINA (<i>Coral Plant</i>). Ornamental and effective plants for out-door summer decoration, with beautiful foliage and superb spikes of flowers. The seeds should be soaked in warm water for several days before planting; 5 ft.	
CRISTA-GALLI. Scarlet flowers.....	25
HENDERSONI. Rosy vermilion; very splendid.....	25
LAURIFOLIA. Scarlet; showy flowers.....	25
FERNS. These ornamental and graceful plants are too well known to require any description. Are very desirable for Wardian cases or ferneries. They delight in peaty, sandy soil.	
ADIANTUM PUBESCENS. Maiden-hair Fern.....	25
ADIANTUM SESSILIFOLIUM. Maiden-hair Fern, with tripinnate and arching fronds, the pinnæ delicate and light green.....	25
GYMNOGRAMMA SULPHUREA. Golden Fern, with dwarf slender fronds, bipinnate; the pinnæ set rather distant.....	25
GYMNOGRAMMA TARTAREA. Silver Fern, with handsome long fronds, bipinnate; the pinnæ with obtusely rounded lobes.....	25
PTERIS ARGYRÆA. Variegated Fern, with long fronds, the pinnæ pinnatifid, the lower pair bipartite; color silvery white with light green margin.....	25
PTERIS CRÉTICA ALBO-LINEATA. Variegated Fern, with long fronds, pinnate, the pinnæ having a white band through centre.	25
PTERIS PALMATA. Dwarf and compact, fronds 1 ft. high, 4 in. wide, deeply palmate, and bright green.....	25
PTERIS SERRULATA. Fronds pinnate, pendulous; the pinnæ of a light green color.....	25
LOMARIA GIBBA. A dwarf green-house Tree Fern, of the most elegant and graceful growth; adapted for every purpose.....	25
LOMARIA CILIATA. A variety of Tree Fern with elegant foliage.	25
CHOICE MIXED VARIETIES.....	25
FUCHSIA (<i>Lady's Ear-drop</i>). Saved from the finest single and double named varieties; mixed.....	50
*GERANIUM ZONALE. A superb strain of the largest and finest varieties; saved from a choice collection; mixed.....	25
ZONALE VARIEGATED. Gold, bronze, and tricolored varieties; saved from a celebrated collection; mixed.....	50
PELARGONIUM. Mixed, from the finest fancy and spotted varieties; of large flowering sorts.....	50

1 and 2. CALCEOLARIA, HYBRID SPOTTED.
3. HELIOTROPE.

4. LOMARIA (Tree Fern).
5. CLIANTHUS.

	Per packet
GERANIUM, APPLE-SCENTED (<i>Pelargonium odoratissimum</i>). This delightfully fragrant and favorite variety can only be grown from seed, to form a nice plant. Soak the seed 12 hours, and sow in light soil, keeping them moist until they germinate. Five packets for one dollar.....	25
GESNERIA. Beautiful hot-house, bulbous-rooted plants, producing brilliant colored spikes of flowers; choice mixed; 2 ft.....	25
GLOXINIA. A choice bulbous-rooted plant, producing in great profusion its bell-shaped flowers, of the richest and most beautiful colors, during the summer months; the bulbs must be kept warm and dry during the winter.	
CRASSIFOLIA GRANDIFLORA ERECTA. Rich-colored, erect flowers; mixed colors.....	50
CRASSIFOLIA GRANDIFLORA HORIZONTALIS. Rich-colored, horizontal flowers; mixed colors.....	50
CRASSIFOLIA GRANDIFLORA PENDULA. Rich-colored, drooping flowers; mixed colors.....	50
HYBRIDA GRANDIFLORA. Choice drooping, erect and pendulous, large flowering varieties; mixed.....	25
*GUNNERA SCABRA. Showy, ornamental foliage plant; leaves of immense size; flowers greenish yellow; 2 ft.....	25
*HELIOTROPIMUM. Flowering during the whole season, and its delightful perfume makes it a most desirable bouquet flower.	
PERUVIANUM. Light purple.....	10
TRIOMPHE DE LIEGE. Large; pale lavender.	10
ROI DES NOIRES. Very dark purple.....	10
VOLTAIRIANUM. Dark purple.....	10
CHOICE MIXED VARIETIES.....	10
KENNEDYA. Handsome and highly ornamental climber. Soak the seed in warm water before sowing. Fine varieties, mixed...	25
*LAGERSTROMIA (<i>Crape Myrtle</i>). Beautiful free-flowering shrubs. Hardy south of Philadelphia.	
INDICA. The old and popular pink variety.....	20
INDICA KERMESINA. Attractive crimson flowers.....	20
*LANTANA. One of the most desirable bedding plants, constantly in bloom, and changing in hue. Seed saved from our fine collection of named varieties.....	10
LAURUS NOBILIS (<i>Sweet Bay Tree</i>).....	10
MANDEVILLEA SUAVEOLENS. An evergreen climber, with large white fragrant flowers.....	25
MYRSIPHYLLUM ASPARAGOIDES (<i>Smilax</i>). A beautiful and graceful climber, none surpassing it for its glossy deep green, wavy and most delicate foliage; fine for vases and baskets; also desirable to use with cut flowers.....	25
*MUSA ENSETE. The noblest of all plants is this great Abyssinian Banana. The fruit of this variety is not edible, but the leaves are magnificent, long, broad, and massive, of a beautiful green, with a broad crimson mid-rib; the plant grows luxuriantly from 8 to 12 ft. high. It is used with success in the parks of Europe, and our experience last summer on our own grounds, proves that it stands the rain and storms without laceration. In our hot summers it luxuriates and attains gigantic proportions, producing really a tropical appearance, and should find a place in every collection, where there is a conservatory or green-house, for planting therein during the winter, from the fact of its presenting an ornamental appearance among the other plants; and being easily removed, presents the same grand effect on the lawn, terrace, or flower-garden, when bedded out in the summer. Those not having the above convenience, by cutting the leaves off, can store it in a light cellar during the	

Per packet

winter, with a covering of soil, or planted in a tub, water sparingly. Our correspondent assures us that the seed this season is of exceptionally good quality, germinating freely if started in a hot-bed or on bottom heat in the green-house. The seed now offered are at a moderate price, which heretofore has been so high as to prevent its dissemination to any great extent.	
Packets containing four seeds.....	5 00
NERIUM OLEANDER. A splendid flowering shrub ; mixed colors.	10
PHORMIUM TENAX (<i>New Zealand Flax</i>). An ornamental plant, with long sword-like evergreen foliage ; fine for vases, etc.....	25
PRIMULA SINENSIS FIMBRIATA (<i>Fringed Chinese Primrose</i>). A charming and profuse flowering plant, indispensable for winter or spring decoration in the conservatory or green-house. The seed we offer has been saved from one of the finest collections, and has always given satisfaction.	
PUNCTATA ELEGANTISSIMA. A new variety, flowers dark velvety crimson ; edges spotted with white.....	50
KERMESINA SPLENDENS. Very large flowers, brilliant, velvet-like crimson, with yellow eye.....	50
ERECTA SUPERBA. Large brilliant rosy vermillion.....	50
ROSEA. Rose-colored. ALBA. Pure white.....each	25
ALBA RUBRA STRIATA. White, red-striped.....	25
CHOICE VARIETIES. Mixed colors.....	25
PRIMULA SINENSIS FIMBRIATA FLORE-PLENO. The following double Chinese Primroses are very fine and strongly recommended, as they reproduce themselves, true, from seed.	
KERMESINA. Double, crimson.....	50
ALBA. Double, white.....	50
PRIMULA JAPONICA (<i>New Japanese Primrose</i>). Styled in England the "Queen of the Primroses," and is perfectly hardy there. The leaves resemble those of the English Primrose, but are about three times the size ; the flowers are produced on a tall scape in whorls ; the seed takes a long time to germinate, and requires great care and constant attention.	
KERMESINA. Rich, rosy purple, with a dark eye.....	25
ALBA. Pure white, with an orange-colored eye.....	25
PASSIFLORA (<i>Passion Flower</i>). Magnificent ornamental climbers, flowers attractive and varied, produced in great profusion and of long duration ; choice varieties, mixed.....	20
*SALVIA (<i>Sage</i>). Favorite ornamental bedding plants, loaded with spikes of scarlet, white, and blue flowers, being produced in great profusion from July to October ; fine bedding plants.	
SPLENDENS. Vivid scarlet ; 3 ft.....	20
SPLENDENS FLORE ALBO. A new white-flowered vigorous grower, like the old Scarlet Sage ; 3 ft.....	25
PATENS. Superb deep blue ; 3 ft.....	25
COCCINEA. Scarlet, free-bloomer ; half-hardy annual ; 2 ft.....	10
ARGENTEA. Beautiful silvery foliage, and spikes of white flowers ; 3 ft.....	10
TACSONIA VAN VOLXFMI. A beautiful green-house climber, having flowers about 5 in. in diam., of the richest scarlet, flowering abundantly almost the whole year. Half-hardy perennial.	25
TROPÆOLUM LOBBIANUM. These varieties of beautiful climbers bloom freely during the winter months in the green-house or conservatory.	
COULEUR DE BISMARCK. Flowers of a singular Bismarck brown, very striking and distinct.....	20
CAROLINE SCHMIDT. Deep scarlet.....	20
GEANT DES BATAILLES. Brilliant carmine.....	20
FINEST MIXED VARIETIES.....	10

1. *TROPEOLUM LOBBIANUM*.
2. *GLOXINIA HYBRIDA*.

3. *PRIMULA SINENSIS FIMBRIATA*.
4. *PRIMULA JAPONICA*.

FLOWER SEEDS IN ASSORTMENTS.

The following are principally imported from Europe, and will be found very choice. They are sold in the original packages at the prices named. Each variety or color separate in the package :

	Varieties.	Per packet.
ANTIRRHINUM, FINEST TALL.....	8	\$0.75
ANTIRRHINUM, FINEST DWARF.....	6	.50
ASTERS, FINEST QUILLED.....	18	1.00
FINEST QUILLED.....	12	.75
TRUFFAUT'S PÆONY-FLOWERED PERFECTION.....	12	1.00
TRUFFAUT'S IMBRICATED POMPONE.....	12	1.00
VICTORIA.....	12	1.00
DWARF BOUQUET.....	12	.75
GIANT EMPEROR.....	8	.75
LARGE-FLOWERED ROSE.....	10	.75
COCARDEAU, OR CROWN.....	6	.50
GOLIATH (New).....	6	1.00
OF DIFFERENT SORTS.....	12	1.00
BALSAM, DOUBLE CAMELLIA-FLOWERED.....	16	1.00
DOUBLE CAMELLIA-FLOWERED.....	8	.50
NEW FRENCH ROSE-FLOWERED.....	12	1.00
CANNA. Beautiful foliage plants.....	12	1.00
CANNA. Beautiful foliage plants.....	6	.50
CARNATION. Finest varieties.....	12	1.50
FERNS, choice varieties.....	12	1.50
FERNS, choice varieties.....	8	1.00
GREEN-HOUSE PLANTS, choice selection.....	25	3.00
GREEN-HOUSE PLANTS, choice selection.....	12	2.00
HOLLYHOCKS, superb double English.....	12	1.25
HOLLYHOCKS, superb double English.....	6	.65
IMMORTELLE, or Everlasting Flower.....	25	1.50
IMMORTELLE, or Everlasting Flowers.....	12	1.00
LARKSPUR, DWARF ROCKET.....	10	.50
DOUBLE STOCK-FLOWERED.....	8	.50
NASTURTIUM (<i>Tropæolum</i>). Dwarf varieties.....	10	.75
ORNAMENTAL-LEAVED PLANTS.....	12	1.00
GOURDS.....	25	1.50
GRASSES.....	12	.75
PETUNIA, splendid sorts.....	12	1.25
DOUBLE EXTRA FINE.....	12	1.50
PINKS, splendid sorts.....	12	1.00
PHLOX DRUMMONDI.....	16	1.00
PHLOX DRUMMONDI.....	8	.50
PORTULACA, NEW DOUBLE.....	8	1.00
SINGLE.....	6	.25
POPPY, Double Carnation.....	10	.50
PÆONY-FLOWERED.....	10	.50
PRIMULA SINENSIS.....	12	2.00
PRIMULA SINENSIS.....	6	1.00
STOCKS, Large-flowered, Dwarf Ten-week.....	12	1.00
PERPETUAL FLOWERING, Ten-week.....	6	.50
EMPEROR, OR PERPETUAL.....	12	1.00
BROMPTON, OR WINTER.....	12	1.00
SWEET PEAS.....	6	.25
WALL-FLOWER, Fine German Double.....	12	1.25
ZINNIA ELEGANS, New Double.....	10	1.00

HARDY ANNUALS AND OTHER CHOICE FLOWER SEEDS BY WEIGHT.

The following are offered by the quantity, and are exceedingly showy and effective for massing in beds, borders, marginal lines, or ribbons; also as large groups for front effect in shrubberies, etc., and in covering large or blank spaces, or beds; at these prices not less than $\frac{1}{4}$ oz. of a kind.

	Per oz.
ABRONIA UMBELLATA. Trailing rosy lilac.....	\$1.00
ACROCLINIUM ROSEUM. Rose.....	.50
AGERATUM MEXICANUM. Blue.....	1.00
ALYSSUM, SWEET. White.....	.75
AMARANTHUS MELANCHOLICUS RUBER. TRICOLOR.....each	1.00
CANDATUS. GIGANTEUS.....each	.60
ASTERS. German, choice mixed.....	2.00
QUILLED. Mixed colors. PYRAMIDAL. Mixed colors.....each	1.50
PEONY-FLOWERED PERFECTION.....	4.00
BALLOON VINE.....	.50
BALSAMS. Dwarf, camellia-flowered.....	2.00
Double rose-flowered. Mixed.....	2.00
White, pure white (fine for florists).....	2.00
CACALIA. Scarlet and yellow mixed.....	1.00
CALLIOPSIS. Mixed.....	.50
DRUMMONDI.....	.60
CANDYTUFT. White. Purple. Crimson.....each	.50
COCKSCOMB. Mixed varieties.....	1.00
CONVOLVULUS MAJOR (<i>Morning Glory</i>). Mixed.....	.30
MINOR OR TRICOLOR. Purple, with white centre.....	.50
CYANUS MINOR (<i>Blue Corn Flower</i>).....	.50
CYPRESS VINE. Crimson. White.....each	.80
DIANTHUS CHINENSIS. Extra double China Pink.....	1.50
ESCHSCHOLTZIA (<i>California Poppy</i>). Crocea, orange.....	.50
Mixed varieties.....	.50
EUPHORBIA VARIEGATA. Green and white, showy.....	.50
GLOBE AMARANTH. Purple. Mixed.....each	.75
HELIANTHUS NANUS. Dwarf double Sunflower.....	.50
MAJOR, Common Sunflower.....per lb. .50	.10
RUSSIAN.....per lb. .75	.10
IPOMEEA COCCINEA. Star Morning Glory.....	.50
GRANDIFLORA SUPERBA. Mixed varieties.....each	.50
LARKSPUR. Dwarf rocket.....	.60
MARVEL OF PERU (<i>Mirabilis</i>). Mixed.....	.40
MARIGOLD. French mixed. African mixed.....each	1.00
MIGNONETTE. Sweet-scented.....	.25
NASTURTIUM. Tall crimson. Mixed.....each	.25
Dwarf mixed varieties.....	.60
PHLOX DRUMMONDI. Choice varieties, mixed.....	1.50
PETUNIA. Choice mixed hybrid varieties.....	2.00
Fine, mixed varieties.....	1.00
POPPY. Choice mixed varieties.....	.50
PORTULACA. Choice mixed colors.....	1.00
SCABIOSA (<i>Morning Bride</i>).....	1.00
SENSITIVE PLANT.....	1.00
SWEET PEAS. Choice colors, mixed.....per lb. \$1.00	.10
THUNBERGIA. Choice colors, mixed.....	.80
VERBENA. Extra choice mixed.....	6.00
ZINNIAS. Fine double varieties.....	1.00

SUPPLEMENTARY LIST

OF VARIETIES OMITTED IN THE GENERAL LIST, AS WELL AS

NOVELTIES OF 1875-'76.

The descriptions of the Novelties are as given by their respective growers.

Per packet.

- ALONSOA LINIFOLIA. This flax-leaved variety grows 1½ ft. high, bushy and compact, with pretty dark-green and graceful foliage, covered with light-scarlet flowers. It is easily grown either for pot or out-door culture, and when planted in masses, produces a beautiful effect; half-hardy..... 25
- MYRTIFOLIA. This myrtle-leaved variety grows 2½ feet high, vigorous and exceedingly floriferous. The flowers are larger and of intenser scarlet than *Alonsoa Linifolia*. It will be found of great service for large beds; half-hardy..... 25
- AMARANTHUS HENDERI. Of graceful pyramidal growth and brilliant colors, height 3 to 5 ft., producing a striking subtropical effect; when young the leaves are brown, madder, and bronze; as they grow larger, each plant assumes its distinctive colors; leaves long and drooping; half-hardy..... 20
- ANEMONE FULGENS (*Scarlet Windflower*). This splendid novelty is almost unknown in horticulture; no plant can compete with it, in beauty and brilliancy of color, in the early spring. Flowers large, of a dazzling vermilion, valuable as a bouquet flower, a hardy bulbous-rooted plant; during winter protect the young plants with leaves or long manure..... 25

ASPERULA AZUREA SETOSA. A hardy dwarf annual, profuse bloomer, with clusters of small light blue sweet-scented flowers, fine for bouquets.... 10 cts.

AQUILEGIA CÆRULEA (*Rocky Mountain Columbine*). Among hardy perennial plants this may be ranked as one of the finest. The flowers measure 3 inches in diameter; the outer five petals, as well as the long spurs, are of a beautiful violet blue; the inner petals are pure white, forming a pleasing contrast..... 20 cts.

AQUILEGIA CHRYSANTHA (*Golden Spur-red Columbine*). A handsome hardy perennial from the Rocky Mountains, a strong growing species, forming bushy plants 4 ft. high, producing freely all summer an abundance of bright golden-yellow flowers..... 25 cts.

ROCKY MOUNTAIN COLUMBINE.

ASTER CELLULAR VICTORIA CRIMSON. A glowing rich color, of this beautiful new class, of recent introduction.....	25
GOLIATH. This splendid large-flowering variety is much admired, blooms profusely, of robust habit; mixed colors.....	20
MONT BLANC (Goliath). The largest flowering; produces pure white flowers 5 inches in diameter; extra double.....	20
SHAKESPEARE. A globe-flowered Dwarf-Aster, beautifully imbricated; globular flowers, mixed colors.....	20
WASHINGTON. This new class of Asters is pronounced the finest in existence; originated from the Victoria. The flowers, particularly the centre one, are larger and of a globular form. WHITE, pure white. PEACH-BLOSSOM, with a delicate tint, each	25
ATHYRIUM GORINGIANUM TRICOLOR. A nearly hardy new Japanese Fern, very rich in the coloring of its fronds.....	25
CANDYTUFT HYBRID DWARF MIXED. These elegant new dwarf hybrid varieties are very floriferous, and remarkable for their numerous and brilliant colored flowers.....	25
CANNA PREMICES DE NICE. A tall-growing variety, with bright green leaves and splendid large yellow flowers; half-hardy perennial, tuberous-rooted plants.....	25

A BRANCH OF CELOSIA HUTTONI.

CELOSIA HUTTONI. This beautiful plant is of compact, pyramidal form, and bushy habit, each branch being tipped with a small spike of bright crimson flowers; the upper surface of the leaf being of a deep claret color, while the under side is of a bright crimson shade. A splendid bedding plant, and suitable for ribbon beds; half-hardy. Seed of our own saving.....	20
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Per packet.

CELOSIA JAPONICA (<i>Japanese Coxcomb</i>). A distinct variety, combs brilliant red, cut and ruffled like lace; half-hardy.....	10
JAPONICA VARIEGATA. A valuable novelty; the plants form handsome pyramids 2 ft. high, adorned with striped combs of brilliant yellow and purple carmine.....	25
CLIANTHUS DAMPERI, or "German Flag." This beautiful three-colored novelty comes true from seed. The upper part of the flower is dazzling crimson, the centre black, and the lower part white; forming the German national colors, hence its name. It has been used with success as a bedding plant, trained as a Verbena, covering a space of 5 ft.; half-hardy.....	50
CONVOLVULUS MINOR (<i>New Crimson Violet</i>). The flowers are striking, having a bright yellow eye, encircled with snowy white, and broadly margined with rich crimson violet.....	25
CYCLAMEN PERSICUM GIGANTEUM. This large-flowering green-house novelty now offered has beautiful mottled leaves, stout flower-stalks, throwing the flowers above the foliage; pure white, with a violet-purple eye and broad petals.....	50
DIANTHUS HEDDEWIGI LACINIATUS STRIATUS FL. PL. A large double variety; white elegantly striped and streaked with different shades, varying from rose to dark red.....	20
DOLICHOS LABLAB NANA. A new dwarf French Hyacinth-flowered Bean, with purple flowers; tender annual.....	10
EUPHORBIA PANDURATA. A new fine bushy border plant, with beautiful red striped foliage.....	10
GERANIUM. Peppermint scented. A favorite foliage plant.....	25
MASTER CHRISTINE. The best pink, zonale bedding variety.....	25
GLAUCIUM CORNICULATUM (<i>Horn Poppy</i>). An ornamental foliage plant, with long, velvety, recurved, silvery leaves, deeply cut to the rib, forming two rows of leaflets. Of vigorous growth, contrasting fine with colored foliage plants. Flowers are orange-yellow, bell-shaped and drooping; half-hardy.....	25
HUNNEMANNIA FUMARIÆFOLIA. Half-hardy perennial herbaceous plant, with handsome yellow tulip-like flowers; 2 ft.	10
LOASA HISPIDA. An erect variety, with long dark-green pinnated leaves, height 3 ft. Flower-stalks 2 ft., producing a number of yellow and white blossoms; for pot or out-door culture..	25
LOBELIA HETEROPHYLLA. A new strain; of upright growth, abundant bloomers, height 15 in., mixed, white and blue.....	20
ERINUS EMPEROR WILLIAM. A new trailing variety for vases, edgings, etc., with fine sky-blue flowers.....	20
LYCHNIS SPECIOSA. A new hybrid hardy perennial variety, with a great variation of colors.....	20
MESEMBRYANTHEMUM CORDIFOLIUM VARIEGATUM. A green-house herbaceous plant, with handsome variegated foliage, for summer bedding, in groups or edgings, and baskets.	25
MIGNONETTE, DWARF COMPACT. A robust variety of a dense semi-globular form, 10 in. high and 18 in. in diameter, dark-green leaves, and covered with reddish-tinted flowers.....	20
PYRAMIDAL BOUQUET. A pyramidal variety; with dark-green leaves and large spike of intense red flowers.....	20
MYOSOTIS DISSITIFLORA. One of the best of the Forget-me-nots. Of compact habit, profuse bloomer, and appearing like a sheet of most exquisite blue; a fine attractive spring bedding plant; half-hardy perennial.....	25
SEMPERFLOENS. A charming dwarf Forget-me-not, growing 8 in. high, of free growth and thriving equally well in sun or shade; continuing in bloom the whole season, with beautiful blue flowers; fine for bouquets.....	25

Per packet.

PETUNIA, DREER'S EXTRA CHOICE MOTTLED. Mottled, blotched, and striped, white-and-purple, and white-and-crimson varieties; an improved strain of many years' selection; our collection has taken the first premiums at the Pennsylvania Horticultural Society's Exhibitions for years. Five packets for \$1.00.	25
MARGINATA GRANDIFLORA. Large-flowered, of various shades and colors, bordered with a distinct belt of green; very handsome.	25
HYBRIDA VENOSA. Veined varieties, of the finest colors; mixed.	25
GRANDIFLORA SUPERBISSIMA. This splendid novelty arrests the attention of most observers. Flowers large; the coloring of the veined throat extends to the middle of them; the colors are rose, crimson, and purple. Of a vigorous growth; 20 seeds.....	25
PHLOX DRUMMONDI GRANDIFLORA. This is a marked improvement on the numerous varieties. Its stronger compact growth, large formed flowers, with white centres, admirably relieved by a dark violet eye; beautiful colors, mixed.....	20
DRUMMONDI HEYNOLDI CARDINALIS. A choice dwarf variety, with large beautiful deep-scarlet flowers.....	20
DRUMMONDI, PEACH-BLOSSOM. A new dwarf variety of compact growth. Flowers large and of a delicate salmon tint.....	20
PORTULACA. We have four new varieties of this popular flower. The flowers are much larger and plants more vigorous.	
ALBA OCLATA. Pure white, with reddish-purple centre.....	10
AUREA OCLATA. Pure yellow, with a dark centre.....	10
AUREA STRIATUS. Yellow, with golden stripes.....	10
CARNEA. Of a pretty delicate pink shade.....	10
PRIMULA SINENSIS FLORE PLENO (<i>Prince Arthur</i>). This new double variety is of an exquisite carmine-crimson, pyramidal form, profuse bloomer and vigorous habit.....	1 00
PTERIS TRICOLOR. A new variegated Fern of great beauty, with long fronds; color crimson, with light green margin.....	25
RICINUS GIBSONI. A new variety of this useful group of sub-tropical plants; 5 ft. high, of branching habit, and differs from all other varieties by its intense deep red-colored foliage.....	25
DUCHESS OF EDINBURGH. A bronze-leaved variety, 5 ft. high, of compact habit; for groups or specimens, its rich reddish purple foliage will produce a beautiful sub-tropical effect.....	20
SPECIES FROM PHILIPPINES. A new variety from the Philippine Islands, with beautiful gigantic foliage, 10 ft.....	10
TACSONIA INSIGNIS. This splendid novelty is remarkable for its handsome foliage and magnificent flowers; of robust, free-flowering habit, a green-house evergreen climber, flowers measuring from 6 to 8 inches across, and hang in festoons on long pendant stalks, color crimson, purple shaded, whilst the mouth of the tube is adorned with incurved fringe filaments, which are blue mottled with white; 4 seeds.....	50
TROPEOLUM MAJUS KING THEODORE. A new running variety of luxuriant growth, having bluish-green foliage and almost black flowers.....	20
RUBY KING. A dwarf variety; pink shaded with carmine, contrasting beautifully with its dark foliage; of compact habit.....	20
TOM THUMB SPOTTED. Dwarf, beautiful spotted flowers.....	10
VERBENA HYBRIDA (DREER'S STRIPED). Beautiful, striped with rose, lilac, and purple, on various colored grounds.....	50
EXTRA CHOICE MIXED. Selected from our newest and finest-named varieties and richest colors; \$6.00 per oz. net.....	25
ZINNIA DARWINI. A new and distinct section of <i>Double Zinnias</i> , of beautiful colors and very double, continuing double until killed by frost; 10 seeds.....	25

BOUQUETS, CUT FLOWERS, ETC.

Among other evidences of refinement and demand for natural flowers for the decoration

culture is the increasing taste and demand of churches, dinner and supper tables, weddings, funerals, etc. Flowers are acceptable and suitable for every occasion. We having the facilities are prepared to execute orders for every kind of floral device or decoration, having daily a supply at the store. They can be packed so as to carry safely for one or two days' journey by express. In sending your orders mention the latest time that will do to receive the flowers in your town; often we receive the orders after the time they are wanted, or after the express has gone, and then have no opportunity to send in time, hence the disappointment to those sending their orders. The following are a few of the many designs supplied to order:

BRIDE'S BOUQUETS. Of choice white flowers, with fine lace papers, or deep silk fringe, and cord and tassels, \$5 to \$10.

BRIDESMAID'S BOUQUETS. With papers and fringe to match in pink, blue, etc., \$4 to \$8.

HAND BOUQUETS. For parties, \$2 to \$5.

BUTTON-HOLE BOUQUETS, 25 cents to 50 cents.

TABLE BOUQUETS, \$5 to \$10.

FLORAL DESIGNS. Of various sizes, \$5 to \$30.

BASKETS. Of fancy white and gilt work, willow or wire, \$5 to \$20.

PLATEAUX. Of elegant design, fancy white and gilt work, willow or wire, \$5 to \$20.

FANCY STRAW WORK. Of various designs, small and large, \$3 to \$20.

FOR FUNERALS. Anchors, crosses, crowns, harps, wreaths, etc., of white flowers, each, from \$5 to \$15.

FRENCH IMMORTELES, OR EVERLASTING FLOWERS.

In original bunches as imported, 75 cents. Bunches of assorted colors, \$1. The following are the colors we import: yellow, green, orange-red, black, spotted, white, rose, solferino, crimson, lilac, blue, and violet.

WREATHS OF WHITE OR COLORED IMMORTELES.

9 inches diameter, single row.....	\$1.00	14 inches diameter, double row.....	\$2 50
10 inches diameter, double row.....	1.50	15 inches diameter, double row.....	3.00
12 inches diameter, double row.....	2.00	15 inches diameter, triple row.....	4.00

CROSSES OF WHITE OR COLORED IMMORTELES.

6 inches, single row.....	\$ 50	12 inches, double row.....	\$2.00
10 inches, single row.....	75	15 inches, double row.....	2.25
10 inches, double row.....	1.50	18 inches, double row.....	2.50
Crosses on Pedestals, 3 sizes.....			\$3.00, 4.00, and 5.00

DESIGNS IN WHITE OR COLORED IMMORTELES.

Bouquets, arranged with ornamental grasses, or all grasses, as may be desired.....	\$1.00 to \$5.00
Anchors, 2 sizes.....	2.50 and 3.50
Crowns, 2 sizes.....	4.00 " 5.00
Faith, Hope, and Charity (Cross, Heart, and Anchor, combined).....	5.50

Harps, 2 sizes. Lyres, 2 sizes.....	each,	\$4.00 and \$5.00
Stars, 2 sizes.....	2.00	" 3.00
Baskets of various sizes and patterns.....	1.00 to	6.00
Fancy Straw Work, of various designs, small and large, filled with Immortelles or grasses as may be desired, from.....	2.00 to	10.00
Other designs made to order at short notice.		

BOUQUET MATERIALS, DESIGNS, ETC.

Grasses, dyed of various colors, per bunch, 30 cents. Plain.....	per bunch,	25
Feather Grass, dyed of various colors, per bunch, 30 cents. Plain.....	"	25
French Moss, long, dyed green, for Immortelle work.....	"	25
Everlasting Flowers, dried, of different varieties and colors, for mixing in with Immortelle Work.....	per bunch,	25 to 50
Bouquet Papers, lace, of various sizes and patterns.....	per doz.,	30 to 75
Bouquet Papers, Italian, handsome lace, and turned down, of various sizes and patterns.....	per doz.,	50 to 1.50
Bouquet Papers, Italian, handsome lace, and turned down, gilt and silver, of various sizes and patterns.....	per doz.,	2.00 to 4.00
Bouquet Papers, fancy, with lace, etc., for bridal parties.....	each,	1.00 to 3.00
Bouquet Papers, with Silk Fringe, White, Pink, and Blue, for bridal parties.....	each,	1.00 to 1.50
Silk Cord and Tassels to match the above.....	each,	75 to 1.00
Twine, very fine, for making Bouquets.....	per lb.	1.00
Tin-Foil, for Bouquet handles.....	"	50
Wire, for making Bouquets, of different sizes.....	"	50
Lycopodium Greens, for making up Bouquets.....	per lb. 25 cts., per bbl.	5.00
Glass Tubes, for Button-hole Bouquets.....	each, 10 cts., per doz.	1.00
Glass Tubes, for Button-hole Bouquets, plain bands.....	" 10 "	1.00
Glass Tubes, for Button-hole Bouquets, gilt bands.....	" 15 "	1.50
Glass Tubes, for Button-hole Bouquets, brooch fastener.....	" 25 "	2.50
Glass Tubes, for Button-hole Bouquets, fern leaf fastener.....	" 25 "	2.50
Metal Tubes, for Button-hole Bouquets, silver plated.....	" 20 "	2.00
Metal Tubes, for Button-hole Bouquets, gilt.....	" 25 "	2.50
Ladies' Brooch or Flower-holder, vine-leaf, bronze.....	" 60 "	
Ladies' Brooch or Flower-holder, vine-leaf, gilt.....	" 75 "	
Ladies' Brooch or Flower-holder, vine-leaf, gilt, with berries.....	" 85 "	
Ladies' Brooch or Flower-holder, fern-frond, bronze.....	" 75 "	
Ladies' Brooch or Flower-holder, for the hair, etc., gilt.....	" 50 "	
Wire Baskets, oval, for Cut Flowers, 8, 10, 12, 14, and 16 in.....	" 35, 40, 50, 60, 75	
Wire Wreaths, for Cut Flowers, 8, 10, 12, and 15 in.....	" 20, 25, 30, 40	
Wire Stands, round, for Cut Flowers, 6, 8, and 10 in.....	" 65, 75, 85	
Wire Plateaux, oval, for Cut Flowers, 12, 14, and 16 in.....	" 40, 45, 50	
Wire Crosses, for Cut Flowers, 9, 12, and 15 in.....	" 20, 25, 30	
Wire Anchors, for Cut Flowers, 12, 15, and 18 in.....	" 60, 65, 80	
Wire Stars, for Cut Flowers, 10, 12, and 14 in.....	" 40, 50, 60	
Wire Hearts, for Cut Flowers, 8, 10 and 12 in.....	" 35, 50, 60	
Wire Crowns, double, for Cut Flowers, 4, 6, and 8 in.....	" 60, 75, \$1.00	
Wire Harps, for Cut Flowers, 12 and 15 in.....	" 75, 1.00	
Wire Lyres, for Cut Flowers, 12 and 15 in.....	" 75, 1.00	
Wire Faith, Hope, and Charity, for Cut Flowers, 15 & 18 in.....	" 1.00, 1.25	
Wire Wreath, cross in centre, for Cut Flowers.....	" 50	
Wire Wreath, star in centre, for Cut Flowers.....	" 60	
Willow Baskets, oval, for Cut Flowers, 8, 10, 12, and 14 in.....	" 85, 1.00, 1.25, 1.50	
Willow Stands, round, for Cut Flowers, 6, 8, 10, and 12 in.....	" 65, 80, 1.00, 1.25	
Willow Plateaux, oval, for Cut Flowers, 10, 12, 14, and 16 in.....	" 65, 80, 1.00, 1.25	
Willow Plateaux, round, for Cut Flowers, 10, 12, 14, 16 in.....	" 65, 80, 1.00, 1.25	
Straw Work of various designs, attractive and showy, from.....	1.25 to	10.00
Among the many beautiful designs of straw work, the Sheaf of Wheat or Oats (price \$2.50) filled with natural white flowers, is very appropriate for funerals; the price of filling is from \$3 to \$5, according to the season.		
Fancy White and Gilt Work—Baskets, Plateaux, Stands, and various other designs, very beautifully made, and highly ornamental, from....	75 to	15.00

EXPANDING POT-COVERS.

An elegant and convenient article for covering ordinary Flower Pots.		
Three sizes of plain, 6, 7, 8 inches.....	20, 25 and 30 cts.	
Three sizes of fancy, 6, 7, 8 inches, with large-headed nails.....	50, 60 " 70 "	
Three sizes of gilt, 6, 7, 8 inches.....	75, 85 " \$1.00	
One size, gilt, 8 inches, with white and green.....	1.00	

RUSTIC WORK.

No. 1. Round Bowl, plain, 6 inches.....	\$1.25
No. 2. Round Bowl, plain, 8 inches.....	1.50
No. 3. Round Bowl, extra, 8 inches.....	2.50
No. 4 and 5. Round Bowl, extra.....	\$3.00 and 3.50
No. 6. Pentagon Bowl.....	1.50
No. 7 and 8. Hexagon Bowl.....	2.00 and 2.50
No. 9 and 10. Oval Bowl.....	1.50 and 2.00
No. 11 and 12. Oval Bowl.....	2.50 and 3.00
No. 13 and 14. Lawn Baskets.....	5.00 and 6.00
Flower Pots, very neat.....	1.00 to 2.00
Cut Flower Vases.....	1.00 to 3.00
Cross, with pot, for Ivy.....	3.00 and 4.00
Crosses, for pots and cemeteries.....	1.00 to 2.00
Fern Stands, for shades.....	4.00 to 6.00
Arm Stands, for six and ten pots.....	6.00 and 10.00
Large Plant Stands.....	5.00 to 20.00
Brackets.....	1.50 to 3.00
Arm Chairs.....	5.00 to 12.00
Children's Arm Chairs.....	5.00
Croquet Chairs.....	4.50 and 5.00
Rocking Chairs.....	8.00 and 10.00
Settees, four feet long.....	8.50 and 12.00
Settees, six feet long.....	12.00 and 15.00
Settees, Tête à Tête, four feet long.....	15.00
Small Table Stands for Ferneries.....	5.00 and 6.00
Tables, Oval or Round, and Various Sizes.....	10.00 to 20.00
Window Boxes, 24 inches.....\$4.00. 30 inches.....\$4.50. 36 inches.....	5.00
Bird Boxes, Rustic.....	1.50 and 2.00
Bird Boxes, Wooden.....	.40 to 1.25

For Trellises, Brackets, Terra-Cotta Ware, Insect Destroyers, etc.,
See Pages 165 to 168.

HORTICULTURAL IMPLEMENTS.

Averancator, or Tree Pruning Shears, for poles.....	\$2.50	to \$4.00
Averancator, large size, sliding cut, for poles.....		7.00
Hedge or Box Shears.....	1.50	to 3.00
Ladies' Garden or Box Shears.....		1.50
Lawn Shears, with two wheels.....		4.50
Grass Border Shears, plain.....		3.00
Grass Border Shears, with wheel.....		3.50
Long-Handled Lopping Shears.....	2.50	to 5.00
Hand-Pruning Shears, serviceable for Pruning Fruit Trees, Grape Vines, etc.....	1.00	to 3.00
Hand-Pruning Shears, Little Giant.....		2.00
Hand-Pruning Shears, with sliding cut.....	2.00	to 3.50
Vine Scissors, for thinning out grapes.....	1.00	to 1.50
Grass Edging Knives, for paring the edges of grass.....	1.75	to 2.50
Grass Shears, with springs.....		1.25
Flower Scissors or Gatherers, for cutting and holding the flowers.....		50 to 2.00
Pruning Scissors, bow handles.....	75	to 1.75
Pruning Scissors, sliding cut, bow handles.....	3.00	to 4.00
Pruning Knives, various patterns (Saynor's).....	1.25	to 2.00
Pruning Knives (Hall's and others).....	50	to 1.00
Grafting Knives.....	75	to 1.50
Budding Knives, various patterns (Saynor's).....	1.25	to 1.50
Budding Knives (Hall's and others).....	1.00	to 1.50
Asparagus Knives.....		90
Pruning Saws, from 14 to 20 inches.....	1.00	to 2.00
Grafting Saws.....		1.50
Pruning Saws, with sockets for long handles.....	2.00	to 3.00
Garden Rakes, wrought-iron.....	50	to 1.25
Garden Rakes, cast-steel.....	80	to 1.50
Garden Reels, to wind and carry line.....	1.00	to 1.50
Garden Lines, 90, 180 and 300 feet.....	65, 1.25	& 3.00
Garden Trowels.....	30	to 1.50
Garden Forks.....	40	to 1.25
English Lawn Rakes.....	3.50	to 4.00
English Patent Rivet Back Lawn Scythes.....	1.50	to 2.50
English Patent Rivet Back Grass Hooks.....	70	to 1.00
English Plain Back Grass Hooks.....	60	to 70
Spading or Garden Forks.....	1.25	to 2.25
Watering Pots, round.....	1.00	to 4.00
Watering Pots, French pattern, oval.....	2.25	to 3.50
Garden Hoes, cast-steel, all sizes.....	40	to 1.00
Dutch or Scuffle Hoes, best cast-steel.....	60	to 1.50
Ladies' and Children's Garden Tools, in sets.....	1.50	to 8.00
Green-House Syringes, of brass, with two extra roses attached, ball valve.....	6.00	to 10.00
Green-House Syringes, brass, for ladies.....	2.50	to 5.00
Sulphur Bellows, for dusting Grape vines, etc.....		2.50
Brier and Bill Hooks.....	1.50	to 2.50
Brier Scythes.....		2.00
Welsh Scythe Stones.....		30
Daisy Grubs. 75 cts. Doek Extractors.....		2.50
Dibbles for Transplanting.....	50	to 1.00
Fruit Gatherers with poles (patent).....	3.00	to 3.50
Lawn Sprinklers.....	14.00	to 16.00
Lawn Mowers, Philadelphia.....	15.00	to 26.00
Turner's Improved Hand Cultivators.....		5.00
Fumigators for Tobacco, 2 sizes.....	3.50	& 12.00

THE PLANET JUNIOR SEED DRILLS AND WHEEL HOES.

These excellent tools are of the newest and most improved construction, combining all the good points of the original "Planets" with new and valuable features, and are simple, compact and strong, *working well in all soils.*

The hopper revolves with the carrying wheels, preventing clogging so usual in upright hoppers; the holes can be minutely adjusted all together, and each is covered by a patent shield, discharging only *after reaching the bottom, insuring* regular dropping. the plow works between the carrying wheels, opening *just at the depth set*; the plow throwing the earth upon the wheels, which continually return it exactly on top of the seed.

They sow perfectly all garden and small nursery seeds, never clog, drop evenly, cover with perfect regularity, roll down light or heavy, mark the next row, and turn at the ends on the roller without pausing or sowing. The Combined Machine holds one quart; No. 2 holds two quarts, and is very perfect and ample in all its proportions.

The Combined Machine becomes a Wheel Hoe by removing one bolt. It has *two* pairs of interchangeable tempered steel hoes, one for delicate work close to the plants, leaving the ground level; the other for throwing heavy furrows to or from the row. At the first tending, the machine works as a double-wheel hoe, afterwards only between the rows. It has a sub-soiler and shovel-plow for deep stirring, for opening drills for Potatoes, Corn, Beans, etc. Onion growers can sow their crop any depth, width or thickness, and do also all the hoeing, with surprising ease, rapidity and perfection. No vegetable garden, however small, should be without one.

No. 3 is invaluable as a fertilizer sower, and for dropping large seeds, saving cost in a few days' use.—Galvanized, holding a half bushel.

The Double Wheel Hoe will do the work of six men with hand hoes, among Market Garden and Root Crops, and small Nursery Stock, *finishing perfectly both sides of the row at once*, working to or from it, deep or shallow, closer and far better than by hand, and also between the rows when desired. The arch allows working the crop until twelve inches high, both sides at once. Each machine has three pairs of exchangeable *tempered steel hoes*, and a pair of sub-soilers; will work in almost any way desired, all rows from 6 in. to 18 in. wide. Full directions for use accompany each machine. Descriptive circulars will be mailed on application.

PRICES, PACKED.

Planet Junior, Combined.....	\$15.00	Planet No. 3.....	\$16.75
Planet Junior, No. 2.....	12.00	Hoe Steels, by mail.....	each.. 25
Planet Junior, Double Wheel Hoe..	10.00	Plow Steels, by mail.....	each.. 40

Comstock's Seeder, Hand Cultivator, Weeder, Strawberry Vine Cutter, Shovel and Mole Plows, Combined or Separate.

the rate of 4, 5, or 6 pounds to the acre. As a Weeder and Cultivator it is unequalled. By a recent improvement it has been adapted to the cultivation of Rice. Price, \$15.35. The Seed Sower alone, \$10.35. Hand Cultivator and Weeder, \$9.25. Send for circulars.

Planet Jr. Combined Drill and Wheel Hoe.

Planet Jr. Double Wheel Hoe—1st Hoeing.

This is a most perfect small Seed Sower, combined with the Cultivator and Weeder, and can be separated or attached in five minutes. It sows Beet, Parsnip, and other difficult seeds, with the greatest regularity, without waste or clogging, and is specially adapted to sowing Onion at

TURNER'S IMPROVED HAND CULTIVATOR.

This useful implement will work in either light or heavy soil, and with it, one man can perform the work of three men with hoes, in the same time. The teeth are of steel, the frame of iron, light and strong. Price, \$5.00.

EXCELSIOR WEEDING HOOK.

This little implement is the invention of a practical horticulturist; it is made strong and light, about nine inches in length, with round iron teeth, riveted into a wooden handle, which is inclined slightly upward that the hands may not touch the ground in working. One-half of the ordinary tedious labor of weeding can be saved by the use of this implement. Price, 30 cts. each; by mail, 40 cts.

LADIES' AND CHILDREN'S GARDEN TOOLS.

A new and complete set of LADIES' AND CHILDREN'S GARDEN TOOLS, for the cultivation of flowers, consisting of a *Floral Hoe, Spade, Fork, and Rake*. They are made of the best steel and iron; hard-wood handles, light, durable, and highly finished, enclosed in a box, and will be found superior to anything in use for loosening the soil, transplanting, removing weeds from among flowers and small vegetables, cutting out weeds in lawns, and for the various other wants required in the greenhouse and garden. They are finished in two styles: three-quarters polished and one-quarter painted green, and full polished.

Three-quarter polish.....\$1.00 per set. Full polish.....\$1.25 per set.
 " By mail, postpaid... 1.25 " " By mail, postpaid. 1.50 "

THE FRENCH WATERING-POT—Japanned Green.

The French pattern is considered an improvement over the old style of Watering-Pots. It being oval, and the handle extending from the side to the opposite side on top, makes it convenient to handle, as it can be tilted to any desired angle without extra exertion. We have these pots made of extra heavy tin with an iron-hooped base, to protect the sides and bottom from being indented, and japanned both in and outside; the spout can be detached, and the rose or sprinkler put on for watering seedlings and fine plants.

4 quart.....\$2.25
 6 quart..... 2.50
 8 quart..... 3.00
 12 quart..... 3.50

We also have made, especially for our trade, the Round Watering-Pot of extra heavy tin, and iron-hooped bottom, japanned inside and outside, with two copper roses, fine and coarse.

6 quart.....\$2.50. 8 quart.....\$3.00. 12 quart.....\$3.50. 16 quart.....\$4.00.

AMERICAN IMPROVED BRASS GARDEN SYRINGES.

No. 0. Garden, rough finish, same size as No. 1.....	\$ 2.50
No. 1. Garden, polished.....	3.50
No. 2. Conservatory, with two extra roses.....	4.75
No. 5. Green-house, with two extra roses (ball valve).....	7.50
No. 7. Green-house, with knuckle-joint (ball valve).....	10.00
No. 9. Extra heavy, solid piston with two roses (ball valve).....	12.00

THE FOUNTAIN PUMP.

Cheap, simple, and effective for watering and syringing plants: not liable to get out of order, being made of brass, with India-rubber hose to draw the water. \$7, \$8, and \$9.

FOOT'S PATENT SPRAY DAMPENER.

A cheap and durable tin spray sprinkler, for persons having a few plants or a small conservatory, to take the place of a syringe, as it does not wet the carpet, and covers the plants like dew, also for florists to dampen flowers and bouquets. 75 cts.

SCOLLAY'S ELASTIC PATENT SPRINKLER, made of Rubber, used also for the above purposes. \$1.50.

BRUSIE'S LAWN SPRINKLER AND FOUNTAIN.

This valuable machine is calculated to obviate the slow process of watering gardens or lawns by hand. It will throw an even shower of water from forty to seventy feet, which may be regulated to fall in a gentle shower, or with as much force as required. By unscrewing the top, it may be used as a Portable Fountain. No. 1, \$14. No. 2, extra size, for public parks, cemeteries, and large grounds, \$16.

THE EXCELSIOR PUMP AND PORTABLE FIRE-ENGINE.

This compact, portable, and useful Engine can be used for almost every purpose. All its working parts are of brass, and of easy access to the valves, which can be cleaned out at any time if necessary. The workmanship throughout is substantial.

It is applicable to all horticultural purposes, for watering Gardens, Green-houses, Graperies, Conservatories, Orchard-houses, washing Windows, Carriages, etc ; and the value of this engine is enhanced by the circumstance that its utility is not restricted to the garden—as from its power and portability it will be found of the most essential service in case of fire.

It is fitted with discharge and suction hose for drawing water from a stream, tank, or pail (the discharge hose being 2 feet, and the suction 3½ feet long), simple in construction and easily worked. Being a double-action pump, it throws a continuous stream. This pump is a great improvement on all others heretofore invented.

Price, \$9.00. A liberal discount to the trade. Additional hose, 25 cents per foot, and extra couplings, \$1.00. It works equally well with 50 feet of suction hose ; if desired, we can furnish the extra hose and couplings.

PATENTED MAY 12, 1874.

THE PHILADELPHIA LAWN MOWERS.

Nearly all machines used in mowing lawns are much heavier than is necessary, and more labor is expended in moving them, on account of their weight, than should be.

To overcome this objection, these machines have been introduced, and we can say that they have fully met our expectations—being quite equal in strength and durability and in practical usefulness to any Lawn Mowers in the market.

We think all who use them will pronounce them as we do—

PERFECT LAWN MOWERS.

The 14-inch machine weighs 37 lbs. The drive wheels are $6\frac{1}{2}$ inches in diameter, the gearing is effectually concealed, the knives are made of the best cast steel, and the machine is so

compact and strong that it is almost impossible to derange the parts by any reasonable amount of abuse. It is intended for small lawns, from $\frac{1}{8}$ to $\frac{1}{4}$ acre, and can be easily worked by a boy of fourteen. Price, \$20.

The 16-inch machine weighs 41 lbs., and is intended for lawns from $\frac{1}{4}$ to $\frac{1}{2}$ acre. \$22

The 18-inch machine weighs 46 lbs., and is intended for lawns from $\frac{1}{2}$ to $\frac{3}{4}$ acres. \$24

The 20-inch machine weighs 50 lbs., easily worked by one man in grass not over four inches high, and is intended for lawns from $\frac{3}{4}$ to 1 acre. \$26

In other respects the above three machines are the same as the 14-inch.

We warrant the above in grass not over five inches high to run easier than any other make cutting the same width.

Each machine is boxed ready for shipment, with directions for operating.

The following sizes are made in addition to the above:

Width of cut.	Weight.		Price.
10 inch.....	28 lbs.	For small grass plats.....	\$15 00
12 inch, $6\frac{1}{2}$ in. drive wheels....	34 lbs.	“ “ “ “	18.00
30 inch. Draft pole.....	275 lbs.	Pony.....	90.00
30 inch. Shafts and seat.....	315 lbs.	Horse.....	110.00

WATERS' IMPROVED TREE PRUNER.

The pruning of Fruit Trees is an operation absolutely necessary during all stages of their existence.

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To insure perfect success, it is essential to have good soil: a mixture of fresh loam, sand, and perfectly rotten stable manure will be suitable for nearly all plants. Where leaf mould can be obtained, less sand and manure, say three parts loam, one sand, one leaf mould, and one part manure.