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627 Duplicate

# DREER'S GARDEN CALENDAR

1883

Philadelphia



ESTABLISHED 1838.

# 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 in the quantities to allow for these contingencies. The number of square feet contained in an acre of ground is 43,560 feet.

## NUMBER OF PLANTS OR TREES TO THE ACRE AT GIVEN DISTANCES.

DISTANCE APART.	NO. OF PLANTS.	DISTANCE APART.	NO. OF PLANTS.
½ ft.....	174,240	5 ft.....	1,742
1 ".....	43,560	6 ".....	1,210
1½ ".....	19,360	8 ".....	680
2 " by 1 ft.....	21,780	9 ".....	537
2 ".....	10,890	10 ".....	435
2½ ".....	6,969	12 ".....	302
3 " by 1 ft.....	14,520	15 ".....	193
3 " " 2 ft.....	7,260	20 ".....	103
3 ".....	4,840	25 ".....	70
4 ".....	2,722	30 ".....	48

## QUANTITY OF SEED USUALLY SOWN TO THE ACRE.

Barley, broadcast.....	3 bu.	Onion (for sets), in drills.....	30 lbs.
Beans, Dwarf, in drills.....	1½ bu.	" Sets (small), in drills.....	10 bu.
" Pole, in hills.....	10 qts.	Parsnip, in drills.....	5 lbs.
Beet, in drills.....	6 lbs.	Peas, in drills.....	2 bu.
Broom Corn, in hills.....	8 qts.	" broadcast.....	3 "
Buckwheat, broadcast.....	1 bu.	Potatoes (cut tubers).....	10 "
Cabbage in beds to transplant.....	½ lb.	Pumpkins, in hills.....	4 lbs.
Carrot, in drills.....	4 "	Radish, in drills.....	8 "
Corn Salad, in drills.....	6 "	Rye, broadcast.....	2 bu.
" Field, in hills.....	6 qts.	Sage, in drills.....	10 lbs.
" Sweet, in hills.....	8 "	Salsify, in drills.....	8 "
" " or Field (for soiling), drills.....	1 bu.	Spinach, in drills.....	15 "
" " " " broadcast.....	2 "	Squash (bush varieties), in hills.....	4 "
Cucumber, in hills.....	2 lbs.	" (running varieties), in hills.....	3 "
Melon, Musk, in hills.....	3 "	Turnip, in drills.....	1½ "
" Water, in hills.....	4 "	" broadcast.....	2 "
Oats, broadcast.....	3 bu.	Tomato (to transplant).....	¼ "
Onion (for bulbs), in drills.....	6 lbs.	Wheat, broadcast.....	2 bu.

## QUANTITY OF GRASS SEEDS USUALLY SOWN TO THE ACRE

White Clover, alone.....	10 lbs.	Millet.....	1 bu.
Red " ".....	15 "	Blue and Green Grass.....	3 "
Lucerne " ".....	20 "	Rye.....	2 "
Alsike " ".....	10 "	Orchard ".....	3 "
Timothy, alone.....	½ bu.	Red Top, or Herd ".....	3 "
Hungarian.....	1 "	Mixed Lawn ".....	4 "

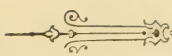
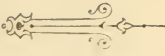
## NUMBER OF PLANTS PRODUCED FROM ONE OUNCE OF SEED, AS FOLLOWS:

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

## Spring Grove Nurseries and Seed Farm, Riverton.

THE Plant Department at Riverton contains one of the largest and finest collections of plants in the country. Especial attention is paid to the introduction of the best new varieties. Nearly fifty acres are devoted to the growing of Plants, Bulbs, and Flower Seeds, and upwards of 50,000 square feet of glass are employed in the propagation and cultivation of plants for the greenhouse, conservatory and garden. The seed tests are here made to insure the sending out of only the highest percentage of germinating seeds. The Seed and Trial Grounds are under our personal supervision. Every new variety is fully tested, and all new and choice varieties grown with great care for seed stock, thus insuring our customers at all times from loss by spurious varieties or defective seeds.

ESTABLISHED 1838

— DREER'S —

# GARDEN CALENDAR

FOR 1883.

DESIGNED TO FURNISH BRIEF DIRECTIONS

FOR THE

CULTIVATION AND MANAGEMENT

OF

## THE VEGETABLE AND FLOWER GARDEN.

ILLUSTRATED WITH ENGRAVINGS,

AND CONTAINING

SELECT LISTS OF FRESH AND GENUINE

Vegetable, Flower and Grass Seeds, Bul-  
bous Roots, Plants. Small Fruits,

AND EVERYTHING PERTAINING TO

THE GARDEN AND CONSERVATORY.

---

HENRY A. DREER,

SEEDSMAN AND FLORIST,

HORTICULTURAL AND SEED WAREHOUSE,

No. 714 CHESTNUT STREET, PHILADELPHIA, PA.

WILLIAM F. DREER.

WILLIAM H. SMITH.

## Directions to Correspondents.

WE will deliver **POSTAGE-PAID**, to any Post Office in the United States, **Vegetable and Flower-Seeds** in **PACKETS AND OUNCES** when ordered at catalogue prices.

In ordering **Vegetable, Grass, or Agricultural Seeds** by the **POUND OR QUART** or fraction thereof, **16 cents per pound or 25 cents per quart**, or at this rate for the fractional part, must be remitted to cover postage, except where otherwise noted.

We will deliver **POSTAGE-PAID** to any Post Office in the United States, **Plants and Bulbs** at the single or dozen price.

Brackets, Rustic Work, Pots, Implements, Liquid Insect Destroyers, and miscellaneous articles can be sent only by Express or Freight at the purchaser's expense, except where noted.

It will be very much cheaper to the purchaser if goods are ordered to be sent by Express, Freight or Steamer at their expense, when desired, in quantities of pounds, quarts, and upwards. No charge made for boxes, bags or packing, except 2 bushel seamless bags, 25 cents each.

**How to Send Money.**—All sums of one dollar and upwards may only be sent at **our risk and expense**, if forwarded according to the following directions, viz.:

**Post Office Money Orders**, to be obtained at many Post Offices, costing from **10 to 25 cents**. This is the best way where obtainable in your own or neighboring towns.

**Drafts on Philadelphia or New York** can be obtained from any bank.

**Registered Letters.**—When neither a Post Office order nor draft may be obtained, money may be enclosed in a Registered Letter. The cost of registering is **10 cents**.

**Postage Stamps.**—These we can use to great advantage, and will prove to many a convenient way of remitting, where the above cannot be procured.

The expense of forwarding money in either of the above ways may be deducted from the amount of the order, or we will send seeds as an equivalent when so desired. **We disclaim all responsibility when remittances are not made as above directed.**

**Forward Money with the Order.**—Please send money with the order, sufficient to cover the whole bill, to facilitate the execution of your orders. During the busy season, to make out bills for customers, mail, charge, and in a few days receive the money, make the proper credit, and send receipt, requires more work than we can possibly perform during the great press of business in the spring.

**C. O. D.**—We decline sending perishable goods **Collect on Delivery** to distant points, unless a remittance be made on account to guarantee the acceptance. Persons often order small packages sent in this way, and the express charges sometimes amount to more than the goods.

**ERRORS.**—We exercise the utmost care in filling orders, striving to do a little more than we offer, yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact, and will make such corrections as will be satisfactory. Please keep copies of all your orders for comparison.

**The Safe Arrival of Packages Guaranteed.**—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in every case. If a package is injured or lost, we will replace it as soon as informed of the fact. Sometimes it happens that orders never reach us. When customers fail to receive their packages in a reasonable time, they should inform us, and at the same time send a copy of their order, which can be filled at once to save any further delay.

**Name and Address.**—Please remember to write your *Name, Post Office, County and State* as distinctly as possible, especially the name; also the *nearest Express Office*, or if on a Stage route, send us the special directions, giving us the name of the Express Company delivering goods, when ordered to be shipped in this way.

**Please Write the Orders Legibly** in a list apart from the body of the letter, to facilitate execution and prevent errors; orders for *plants* should be on a *separate sheet*; the departments are separate, but shipments of seeds and plants are made in one parcel, to avoid additional express charges.

Address,

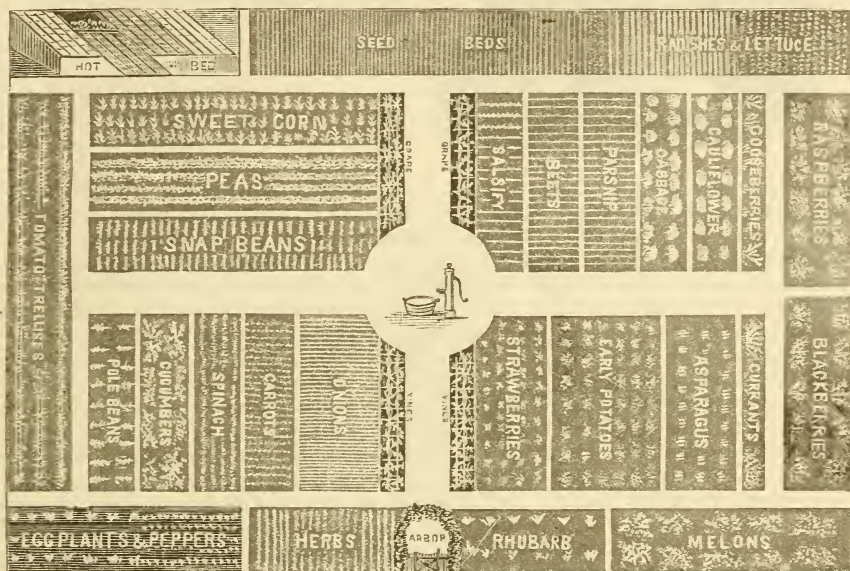
WM. F. DREER,  
WM. H. SMITH.

HENRY A. DREER,  
No. 714 Chestnut Street, Philadelphia, Pa.

## THE VEGETABLE GARDEN.

**P**REPARATION 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 underdrained, 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. A very efficient liquid manure is made by dissolving one pound of *pure Peruvian guano* to ten gallons of water, to promote the growth of vegetables already started, it should not be applied oftener than once a week.

Previous to preparing a *Vegetable Garden*, the gardener or amateur should take a blank-book, map out his ground, allotting a place for all the different kinds of vegetables and small fruits he intends to cultivate. As he plants his ground, keeping an account of all he does relative to his garden, he will soon obtain a practical knowledge of the art.



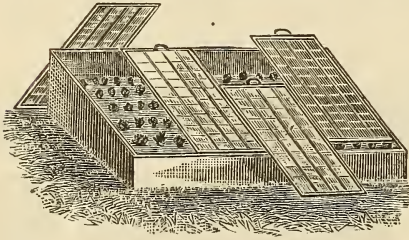
For those who have not already formed their plans in laying out a *Vegetable Garden*, and cannot avail themselves of such a slope of ground or quality of soil as they desire, must take up with such as may be within their reach. If practicable, a vegetable garden should have a warm and southeasterly exposure. But when the ground slopes to the north and west, it is important to have the garden located on the sunny side of an orchard or outbuildings. Every person, previous to building, should select the most desirable situation for the vegetable garden. The above illustration represents a satisfactory manner of disposing of different kinds of plants and vegetables, and can be varied to suit the fancy or convenience on a small or large scale.

Laying out the ground, a border may be formed around the whole garden, from 5 to 10 feet wide, according to the size of your ground; next to this border a walk may be made from 3 to 6 feet wide, and divide the middle in squares or fancy beds, as may be desired, on the sides of which a border 3 to 4 feet wide may be laid out, in which the various kinds of small fruits may be raised to advantage. The centre beds may be planted with all kinds of vegetables; the outer or fence border, for raising the earliest fruits and vegetables, also serves for raising and pricking out such young plants, herbs, and cuttings as require to be screened from the intense heat of the sun, and the very early vegetables which can be protected from slight frosts.

The mode of laying out the ground is a matter of taste, and may be left to the gardener himself to determine, the form being of little importance in the production of useful vegetables; and it matters not if the ground is laid out in beds of 4 or 10 feet wide, provided it is well worked and kept neat and free of weeds.

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 gardener or amateur to more extensive treatises on these subjects, to be found in our "Farmer's and Gardener's Library," in this catalogue; in which we keep a full line of gardening books at reasonable prices, and are mailed, postage paid, on receipt of price.

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 illustration, may be made of various sizes, according to the size of garden, from four sashes upwards. The length of sash is generally  $6\frac{1}{4}$  feet by  $3\frac{1}{4}$  feet wide, the size of glass 6 by 8 inches, including sash bearers, making the entire frame of four sashes 13 feet by  $6\frac{1}{4}$  feet. The best and most convenient sash have no cross-bars, but are made with a groove the length of sash, the glass slides in from below, avoiding the use of putty. When the one

bar is filled with glass, it is only necessary to put a tack in the bottom bar, to keep the glass from sliding down. The frame should have a southern or southeastern 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, is prepared for the reception of the frame. Ten 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 1 to 2 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 1 inch boards 1 foot high at the back by 9 inches high in front and 6 feet wide; 5 short posts to the length of 16 feet boards will answer to keep in position. The shutters should be 6 feet 4 inches long by 3 feet wide, made of common rough boards. The soil should be enriched by old and well-decayed manure, unless in good order; the object being to preserve and not to grow the plants during the winter. Give plenty of air by raising the shutters every mild, pleasant day, but on no consideration open the frame or expose the plants to the sun when the ground or plants are frozen, as it will destroy them.

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, spading fork, shovel, rakes, hoes, trowel, garden-line and reel, watering-pot, wheelbarrow, and combined seed-drill and cultivator, are the most important, of which you will find our prices, in the Tool Department of this catalogue.

ROTATION OF CROPS.—As different plants appropriate different substances, care should be taken that deep-rooted plants, such as Beets, Carrots, Parsnips, etc., are not planted successive seasons on the same soil, but should be followed by those plants whose roots extend but little below the surface, such as Onions, Lettuce, Cabbage, Spinach, etc.; and when it is considered that plants of the *Brassica*, or *Cabbage tribe*, are apt to get infected at the roots (club-rooted, as it is termed), if too frequently planted in the same ground, and that a rotation of crops is as essential in vegetable gardening as in farming.



## 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:

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.

That some species of seed, such as Beans, Beet, Cabbage, Lettuce, Radish, Salsify, Turnip, etc., 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 the ground, unless a suitable remedy is applied in time to annoy the insects.

That some species, such as Carrots, Celery, Leek, Onion, Parsley, Parsnip, Spinach, etc., 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.

That the failures often occur through Seeds being deposited too deeply in the ground, or left too near the surface. Sometimes, for the want of a 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 over manuring and improperly preparing the soil will cause defeat.

That in some sowings of seed made during dry weather with a drought following, a total failure often occurs from neglecting to firmly press or roll in the Seeds, so when they germinate the action of the heat and drought may not affect the germ. We are satisfied that thousands of pounds of Turnip, late Cabbage and other summer-sown Seeds are annually lost from this neglect. Observe never to tread or roll in the Seeds when the ground is wet.

For instructions on these and all other subjects of Gardening, the reader is referred to "American Gardener's Assistant," "Gardening for Profit," or other works on this subject to be found in our "Farmer's and Gardener's Library," in this catalogue, which we mail post-paid on receipt of price.

*Extract.*—Some Gardeners raise Egg-Plants, etc., in the same hot-bed frame with Cabbage, and other half hardy plants that 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 varieties.

## TO THE MARKET GARDENERS.

OUR advantages in growing and having specially grown for our trade the varieties best adapted to soil and climate, as well as testing and thoroughly cleaning seeds, together with our long experience in supplying the wants of the trade, around this city and the larger cities of the country, enable us to offer the **best stock**, which cannot fail to give the best possible results to the **market gardener**, as well as the **amateur** who may desire to grow a few choice vegetables.

The first seed catalogue issued by our house was sent out in 1839, in a circular form, although the firm had been established in 1838; but the first edition of this annual was published in 1861 in a 12mo form of 48 pages. The contrast may assure you that the **forty-five years** of faithful devotion to our patrons' interests have been fully rewarded and appreciated, and it is our earnest aim and endeavor to pursue the same **policy** in the future to merit a continuance of your patronage by liberal and prompt dealing, and **sending out only fresh and genuine seeds and reliable stock at reasonable prices.**

---

Market Gardeners, requiring large quantities of Seed, will be furnished with special prices on application.

# DREER'S BOXES OF SEEDS.

SPECIALLY SELECTED TO PRODUCE A CONSTANT SUPPLY OF  
THE BEST VEGETABLES ALL THE YEAR ROUND.

WE have the following assortments put up in a liberal manner, giving a sufficient quantity of the most useful sorts of **Vegetables** required to stock a **Kitchen Garden** for a succession of crops throughout the year, and are ready for immediate shipment during the busy season; therefore no changes are made in quantities or varieties. They are all boxed to send by Express at the purchaser's expense. Those who do not wish the collections as selected, are recommended to make up their orders from our select lists, which are alphabetically arranged in this catalogue.

VARIETIES COMPRISING COLLECTIONS OF		\$20 00 contains	\$10 00 contains	\$5 00 contains
Beans.	Yellow Six Weeks, Valentine, Black Wax and Golden Wax.....	4 qts.	2 qts.	1 qt.
"	Large Lima and Giant Wax.....	1½ qts.	1½ pts.	2 pkts.
Beets.	Bastian's Extra Early Red and Half-Long Blood.....	8 oz.	4 oz.	2 oz.
Broccoli.	Early Purple Cape.....	½ oz.	¼ oz.	1 pkt.
Brussels Sprouts.	Improved Dwarf.....	1 oz.	½ oz.	1 pkt.
Cabbage.	Dreer's Large Early York, Winnigstadt, Wakefield, Brunswick, Late Flat Dutch and Drumhead Savoy.....	6 oz.	3 oz.	1½ oz.
Carrot.	Early Half-Long Scarlet and Improved Long Orange.....	8 oz.	4 oz.	2 oz.
Cauliflower.	Lenormand's Short Stem.....	½ oz.	¼ oz.	1 pkt.
Celery.	Dreer's Large White Solid, Boston Market and Golden Dwarf.....	2 oz.	1 oz.	3 pkts.
Corn Salad.	Large Seeded.....	4 oz.	2 oz.	1 oz.
Corn—Sweet.	Crosby's Extra Early, Triumph, Mammoth and Egyptian.....	6 qts.	3 qts.	3 pkts.
Cress.	Extra Curled Peppergrass.....	2 oz.	1 oz.	1 pkt.
Cucumber.	Early White Spined and Long Green Turkey.....	4 oz.	2 oz.	1 oz.
Egg Plant.	New York Improved Large Purple.....	½ oz.	¼ oz.	1 pkt.
Endive.	Green Curled.....	1 oz.	½ oz.	1 pkt.
Kale.	Green Curled Scotch.....	2 oz.	1 oz.	1 pkt.
Kohl-Rabi.	Early and Late White.....	1 oz.	½ oz.	2 pkts.
Leek.	Large London Flag.....	1 oz.	½ oz.	1 pkt.
Lettuce.	Early Curled, Dutch Butter Spotted, White Cabbage and Hanson.....	3 oz.	1½ oz.	4 pkts.
Melon—Musk.	Jenny Lind, Green Citron Netted, Hackensack and Casaba.....	4 oz.	2 oz.	4 pkts.
Melon—Water.	Black Italian and Icing, or Ice-Rind.....	2 oz.	1 oz.	2 pkts.
Nasturtium.	Tall Orange.....	1 oz.	½ oz.	1 pkt.
Okra.	Improved Dwarf Green.....	4 oz.	2 oz.	1 oz.
Onion Seed.	Silver Skin, Yellow Strasburg and Red Wethersfield.....	4 oz.	2 oz.	1 oz.
Onion Sets.	Silver Skin and Yellow Strasburg.....	4 qts.	2 qts.	1 qt.
Parsley.	Dwarf Extra Curled.....	2 oz.	1 oz.	1 pkt.
Parsnip.	Large Sugar.....	4 oz.	2 oz.	1 oz.
Peas.	Dreer's Eureka Extra Early, Tom Thumb, Blue Peter, William the First, Premium Gem, Laxton's Alpha, Champion of England and Yorkshire Hero.....	10 qts.	5 qts.	2 qts.
Pepper.	Large Sweet Bell.....	½ oz.	¼ oz.	1 pkt.
Pumpkin.	Cashaw.....	2 oz.	1 oz.	1 pkt.
Radish.	French Breakfast, Red and White Turnip, Long Scarlet, White and Yellow Summer, Long Black and Scarlet China Winter.....	10 oz.	5 oz.	8 pkts.
Salsify.	Long White Oyster Plant.....	2 oz.	1 oz.	½ oz.
Spinach.	Dreer's Round-Seeded Savoy.....	1 lb.	½ lb.	¼ lb.
Squash.	Early White Bush, Boston Marrow and Hubbard.....	4 oz.	2 oz.	3 pkts.
Tomato.	Early Acme, Paragon, Perfection and Dreer's Selected Trophy.....	2 oz.	1 oz.	4 pkts.
Turnips.	Early Purple Top Flat, White Egg, Golden Ball and Purple Top Ruta Baga.....	1 lb.	½ lb.	¼ lb.
Herbs.	Basil, Dill, Lavender, Marjoram, Sage, Summer Savory and Thyme.....	14 pkts.	10 pkts.	7 pkts.

## COLLECTIONS OF VEGETABLE SEEDS BY MAIL.

The leading varieties for small kitchen gardens sent to any address, postage-paid, upon a remittance.

Assortment A	contains 20 varieties.....	\$1 00
" B	" 30 " .....	2 00
" C	" 40 " .....	3 00

## THE 1883 NOVELTY COLLECTION.

Comprising twenty of the latest introductions of merit, which at catalogue rates amount to \$2.50, and will be mailed, postage-paid, on receipt of \$2.00. No parts of collections made.

Dwarf Ivory Pod Wax and Dreer's Improved Lima Beans, Perfection Savoy Cabbage, Carenton Half-Long Carrot, Dreer's Selected Dwarf Erfurt Cauliflower, Golden Dwarf Celery, Little Gem and Stabler's Extra Early Sweet Corn, Black-seeded Simpson Lettuce, Cuban Queen and Icing Water Melon, Southport Yellow Globe and White Queen Onion, Stratagem and Bliss' American Wonder Peas, Long Standing Spinach, Perfect Gem Squash, Favorite and Mayflower Tomato, and Early Purple Top Munich Turnip.

Market Gardeners, requiring large quantities of Seed, will be furnished with special prices on application.

# Select List of Vegetable Seeds.

IN submitting our Garden Calendar, all the leading popular varieties of vegetable seeds of merit, with brief directions for their culture, will be found under their respective heads; it is only necessary to state that our stock has been selected with great care, either grown by ourselves, or by responsible growers under our personal supervision. We invariably test our seed, that nothing may be sent out but what we know will vegetate, and give satisfaction under proper treatment. Aware of the importance of distributing such seeds that can be relied upon, great care is used to supply every article true to name and description as well as of the best quality.

To prevent misunderstanding we have annexed a list of prices to each article by the **Packet, Ounce, Pound, or Quart and Bushel**. Orders of one peck or one-quarter pound will be supplied at bushel or pound rates. Ounces or half ounces, quarts or pints, at ounce or quart rates. When ordered to be sent by mail, **16 cents per pound or 25 cents per quart or fraction thereof, must be remitted to cover postage**; when ordered by the packet or ounce, we will mail free of postage. Please see Directions to Correspondents on page 2. Also, Useful Tables, for the Farmer and Gardener, of Seeds and Plants to the Acre, will be found on the second cover page.

## ARTICHOKE.

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

Sow the seeds early in April, in rich soil, in drills 1 inch deep, about 12 inches apart, and thinning out the rows to 4 inches apart. When one year old transplant in well-manured ground, in rows 3 feet apart, and 2 feet between the plants. Protect during the winter with a covering of manure or leaves. After being once planted the bed will remain in bearing for years.

**Large Green Globe.** The best for general culture (see illustration). Per packet, 10 cts.; per oz., 35 cts.  
**Jerusalem.** A hardy and productive plant, used for pickling and feeding stock. Strong tubers. Per qt., 25 cts.; per bush., \$4.00. By mail, prepaid, 3 lbs., \$1.00.

## ASPARAGUS.

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

Sow in March or April as soon as the ground will admit of working in rich soil. Soak the seed in warm water for 24 hours before sowing. Drill it thinly in rows 1 foot apart, and keep clean by frequent weeding and hoeing. When two years old, transplant into permanent beds, which should be well and deeply manured and trenched to the depth of two feet. Set out the plants (in rows) from 3 to 4 feet apart and 2 feet in the rows, spreading out the roots, and covering from 6 to 8 inches when established. 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. It is ready to cut for use the second year after setting out the plants in the permanent bed.

	Pkt. Oz. lb.
Conover's Colossal. The best variety, unrivalled in size, productiveness, and quality .....	\$ 05 10 50
Two year old roots of the above. Per 100, \$1.00; per 1,000, \$8.00. By mail, prepaid, \$2.00 per 100.	

## BEANS—English Dwarf.

*Gartenbohnen, GER. Fève de Marais, FR. Habas, SPAN.*

To succeed well, they 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, heavy soil, in drills 3 feet apart, 4 inches apart in the drills, and 2 inches deep. Pinch off the tops as soon as the lower pods begin to fill.

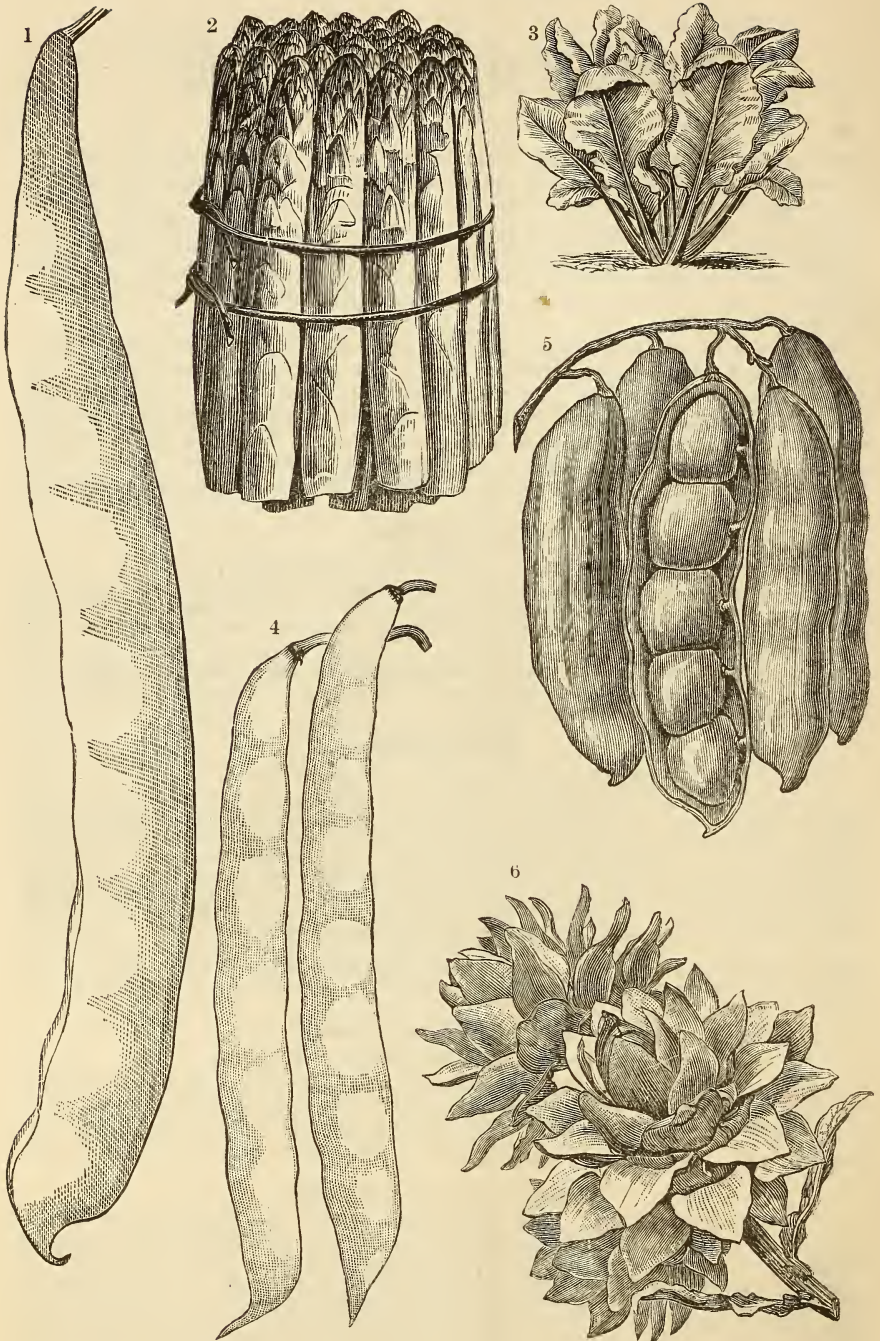
	Pkt. Qt. Bu.
Broad Windsor. The best for general culture, used only as a shelled bean.....	\$ 0 10 8 00

## BEANS—Dwarf, or Snap-Short.

*Buschbohnen, GER. Haricot nain, FR. Habas 6 Frijoleno, SPAN.*

All the varieties of this class are tender, and will not bear the cold, except the Mohawk, Yellow Six Weeks and Refugee varieties, which can be planted earlier than the rest, and are the first in our market. We have only made a selection of the best of the many varieties of the Dwarf, Bush, or Snap. Plant about the middle of April, if the ground is warm and the season favorable, and at intervals throughout the season for a succession, finishing about the 15th of August. The best mode of culture is in rows 2 feet apart, and the beans 3 inches apart and 2 inches deep in the rows. Keep well hoed, and draw the earth up to their stems, but only when dry, as earth scattered on the leaves when wet with rain or dew, will cause them to rust and injure the crop.

Novelties and Special Varieties in Vegetable Seeds for 1883, will be found in our Supplement following page 96 in this Calendar.



1. GIANT WAX BEAN.  
 2. CONOVER'S COLOSSAL ASPARAGUS.  
 3. SWISS CHARD BEET.

4. GOLDEN WAX BEAN.  
 5. DREEER'S IMPROVED LIMA BEAN.  
 6. LARGE GREEN GLOBE ARTICHOKE.

## BEANS—Dwarf, or Snap-Short—Continued.

	Pkt.	Qt.	Bu.
<b>Early Mohawk.</b> The hardiest and most productive of the early varieties, and will endure a slight frost; also good for autumn pickling.....	\$5	10	25 5 00
<b>Early Long Yellow Six Weeks.</b> Hardy and prolific as the above, with yellow seed.....	10	25	5 00
<b>Refugee, or Brown Valentine.</b> Very productive, and will stand a slight frost like the Mohawk; a fine string bean, or for pickling.....	10	30	5 50
<b>Early China Red Eye.</b> Very early, good either as a string or shelled bean.....	10	25	5 00
<b>Potawatamie.</b> Extra early, producing edible pods in 35 days; a very showy bearer.....	10	25	5 00
<b>Extra Early Newington Wonder.</b> Very productive, pods round, crisp and tender; a valuable forcing variety.....	10	25	5 00
<b>Early Red Speckled Valentine.</b> One of our leading market varieties, pods round, fleshy, tender, remaining longer in the green state than most varieties, good for pickling.....	10	30	5 50
<b>Early White Valentine.</b> Produced from the Red Speckled Valentine, of equal productiveness and quality; the seed being white gives it additional value, as it can be used as a snap-short or a winter shelled bean.....	10	35	7 00
<b>German Black Wax.</b> One of our best varieties; pods, when fit for use, are waxy yellow, very tender, delicious and productive.....	10	35	7 00
<b>Golden Wax.</b> This variety is ten days earlier than the German Black Wax; pods long, brittle, entirely stringless, of a rich golden color; as a snap-short it excels all others in rich, buttery flavor, while as a bean for winter use it has few equals.....	10	40	8 00
<b>Ivory Pod Wax.</b> This new variety cannot be too highly praised as a snap-short or for a winter shelled bean, and canning purposes. It is a week earlier than the German Black Wax, very productive, long, stringless, tender, transparent ivory white pods of a rich creamy flavor.....	10	50	10 00
<b>White Wax.</b> Pods yellow and of good quality, valued for its white seed as a winter shelled bean.	10	40	8 00
<b>Crystal White Wax.</b> A distinct white-seeded variety, with waxy, transparent pods. It is stringless, crisp, tender, and of the richest flavor. The pods, though quick to develop, are slow to harden—retain their tenderness on the bush longer than any other sort.....	10	40	8 00
<b>White Marrowfat.</b> Extensively grown for sale as a dry bean for winter use, excellent shelled, either green or dry.....	10	30	5 50
<b>White Branching Sugar Bean.</b> Also known as Mexican Tree Bean. This new variety is the most prolific yet known, grows 18 inches high and branching like a tree, bearing its pods so high that they do not touch the ground, and are not injured by wet weather; when ripe the beans resemble the white navy, but of finer flavor. They yield about 60 bushels per acre.	10	40	8 00
<b>Black Turtle Soup.</b> Used as a winter shelled bean, for which it is much esteemed, and makes an excellent soup, resembling that of green-turtle.....	10	25	5 00

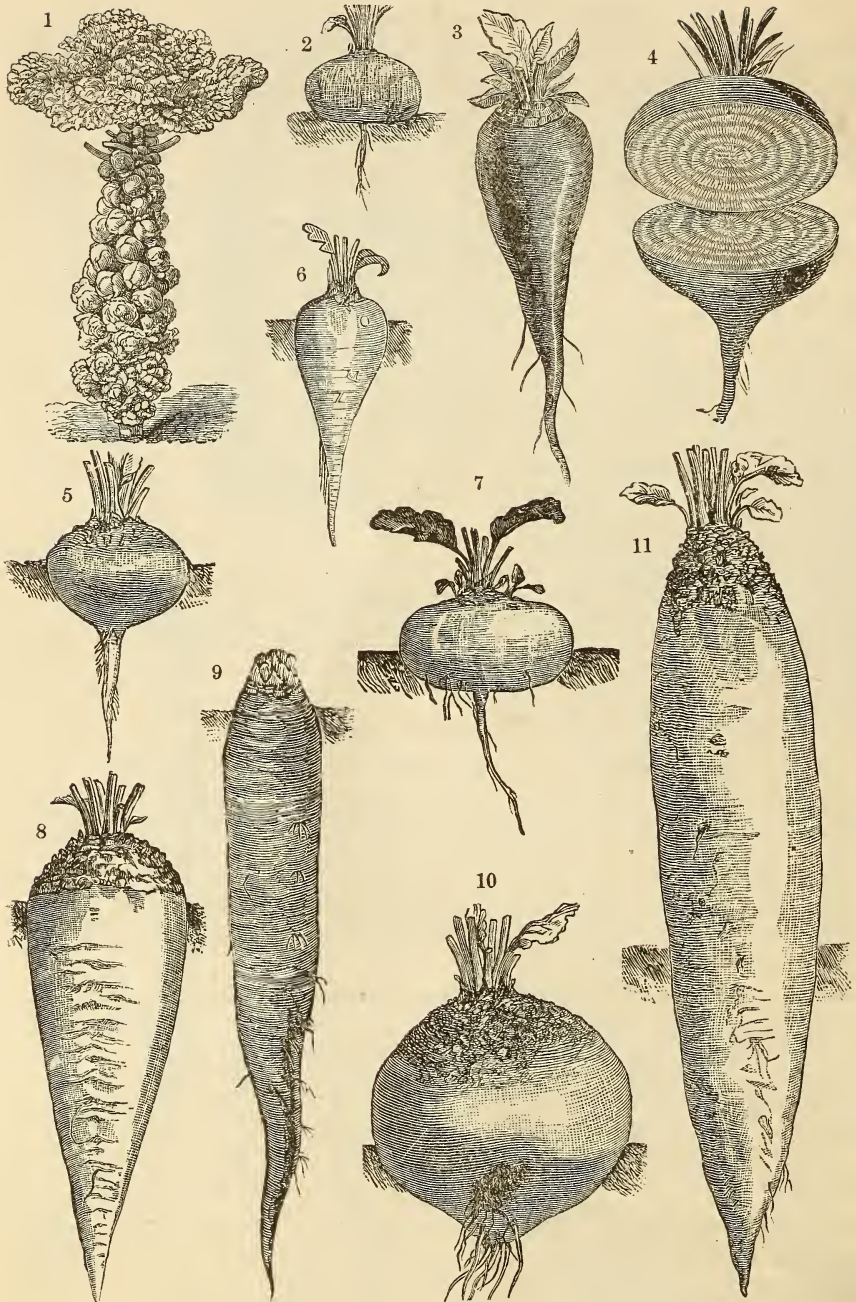
## BEANS—Pole, or Running.

*Stangen Bohnen, GER. Haricots à rames, FR. Frijol vastago, SPAN.*

All under this head require poles 8 to 10 feet long, and should not be planted until the ground is warm, as they are more tender than the dwarf varieties. Plant about the middle of May if the season is suitable. 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, 4 feet apart each way, and plant 4 to 6 beans about 1 inch deep around each pole, placing the eye 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. They succeed best in sandy loam, with a shovelful of rich, light, and well-rotted compost to each hill, well incorporated. Lima Beans transplant easily if grown in frames, so as to fill up around the poles, where they miss or fail to come up owing to unfavorable weather. The German Wax and Giant Wax are superior varieties as snap-shorts, the pods being very tender and stringless.

	Pkt.	Qt.	Bu.
<b>Large White Lima.</b> One of the best of the pole beans for use, shelled either green or dry, and a universal favorite.....	\$5	10	40 10 00
<b>Dreer's Improved Lima.</b> Very productive and of superior quality; when green they are nearly as large as the Large Lima, thicker, sweeter, more tender and nutritious, remaining green in the pod a long time after maturing, which is a benefit to the <i>market gardener</i> .....	10	50	12 00
<b>German Wax, or Indian Chief.</b> (Black seed.) One of the best as a snap-short or shelled in the green state.....	10	40	10 00
<b>Giant Wax.</b> (Red seed.) This is of our introduction, with pods from 6 to 9 inches long, thick and fleshy, of a pale yellow, waxy color, very productive and tender when full grown; as a snap-short or shelled green they have no superior.....	10	50	12 00
<b>Southern Prolific.</b> Producing in clusters excellent snap-short beans in 80 days from germination. Vigorous grower, prolific, succulent, and bearing until killed by frost.....	10	60	16 00
<b>Horticultural, or Speckled Cranberry.</b> An old favorite; equally good as a snap-short or shelled in the green or dry state.....	10	35	7 00
<b>Dutch Case Knife.</b> One of the earliest, used as a shelled bean, green or dry.....	10	40	8 00
<b>White Cranberry.</b> White round pods, tender and rich flavored.....	10	40	8 00
<b>White Dutch Runner.</b> An ornamental variety, with large white seed and beautiful clusters of white flowers, also good as a shelled bean.....	10	40	8 00
<b>Scarlet Runner.</b> A great favorite, producing clusters of beautiful scarlet flowers, principally grown for ornament; they can also be used as a shelled green bean.....	10	50	9 00

On all three classes of Beans, remit for postage 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. IMPROVED DWARF BRUSSELS SPROUTS.
2. EGYPTIAN BLOOD TURNIP BEET.
3. PINEAPPLE BEET.
4. BASTIAN'S EXTRA EARLY RED BEET.
5. EARLY BLOOD TURNIP BEET.

- 6 BASTIAN'S HALF-LONG BLOOD BEET.
7. EXTRA EARLY BASSANO BEET.
8. IMPROVED WHITE SUGAR BEET.
9. IMPROVED LONG BLOOD RED BEET.
10. YELLOW GLOBE MANGEL-WURZEL BEET.

11. LONG RED MANGEL-WURZEL BEET.

## BEET.

*Roth oder Runkelrübe, GER.**Betterave, FR.**Acelga ó Remolacha, SPAN.*

The Beet is universally cultivated even in the smallest vegetable gardens, and used in all its stages of growth. The soil best suited for Beet culture is that which is rather light, provided it is well enriched with manure. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked in the spring, for an early supply, and when the plants are large enough thin out to stand 6 or 8 inches apart in the rows, continuing for a succession as late as the middle of July for the early varieties. Keep free from weeds by hand-weeding and hoeing, unless they are planted far enough apart to use a cultivator. The Sugar and Mangel Wurzel varieties are grown for Feeding Stock, and should be sown from April to June in drills 2 feet apart, and afterwards thinned out to stand 1 foot apart in the rows; keep well cultivated and you will have an abundant crop of roots for winter use. To preserve Beets during the winter select a dry piece of ground and put about 20 bushels in a pile, covering with sufficient earth to keep out the frost.

	Pkt.	Oz.	lb.
<b>Extra Early Bassano.</b> A very early flat variety, tender, juicy; flesh white and rose colored...	\$o	5	10 75
<b>Egyptian Blood Turnip.</b> One of the earliest blood-red varieties, of good quality and medium size, a fine forcing variety with small top.....		5	15 1 50
<b>Bastian's Extra Early Red.</b> The perfection of a Beet, profitable for the <i>market gardener</i> , and best for family use; very early, of quick, large growth, fine turnip form and bright-red color, also a good forcing variety.....		5	15 1 25
<b>Early Blood Turnip.</b> Not as early as any of the above, but of good quality, blood-red, tender, and good for late keeping.....		5	10 75
<b>Bastian's Half-Long Blood.</b> In color, shape and size, it is all that can be desired in a Beet; a valuable variety to follow <i>Bastian's Extra Early</i> , and for winter use plant about the middle of July.....		5	15 1 25
<b>Pineapple.</b> An excellent half-long variety, with small dark red foliage, and roots of a rich deep crimson color.....		5	15 1 25
<b>Improved Long Blood Red.</b> A good late variety for tall and winter use, sweet and tender; do not sow later than the middle of June.....		5	10 75
<b>Swiss Chard.</b> Large ribbed silver white, sometimes called "Sea Kale Beet," is cultivated for its leaves. The mid-rib is stewed and served as Asparagus, and the leaves used as Spinach		5	10 75

## The following varieties are grown for Feeding Stock :

<b>Improved White Sugar.</b> A great improvement on the <i>French Sugar Beet</i> , recommended as harder than the other varieties, and containing a greater percentage of sugar.....		5	15 1 00
<b>Silesian, or White Sugar.</b> The French Sugar Beet attains a large size, and grows considerably above the ground; fine for feeding. Cultivated in Europe for its sugar.....		5	10 50
<b>Long Red Mangel Wurzel.</b> Grown extensively for agricultural purposes, producing large roots partly above ground, of good quality.....		5	10 50
<b>Red Globe Mangel Wurzel.</b> A large red oval variety, which keeps well, and produces better crops than the Long Red, on shallow soil.....		5	10 60
<b>Yellow Globe Mangel Wurzel.</b> The same as the above, only differing in color.....		5	10 60

## BROCCOLI.

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

Produce heads in autumn like Cauliflower, but more hardy. The Cape varieties we offer 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 cultivated as early Cauliflower. It succeeds best in a moist soil and cool climate, and in the South it can be had in perfection from November to March.

<b>Early Purple Cape.</b> This is the best for the North, producing compact heads, of a brownish purple, and good flavor.....	\$o	10	50
<b>Grange's Autumn White Cape.</b> Not as early as the above; heads large, of a creamy white; close and most certain to head; a splendid autumn variety.....		10	80

## BRUSSELS SPROUTS.

*Rosen-Kohl, GER.**Chou de Bruxelles, FR.**Bretones, de Bruselas, SPAN.*

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.

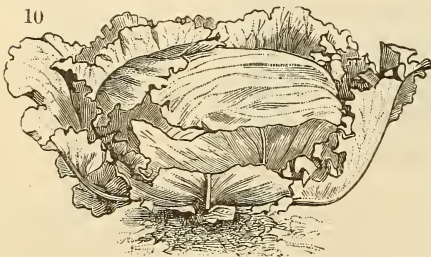
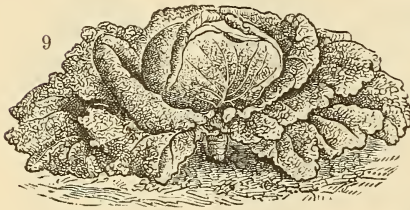
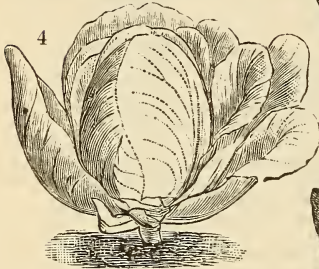
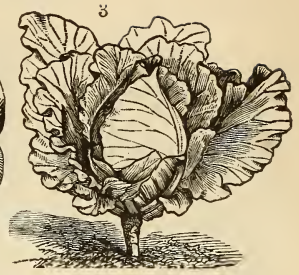
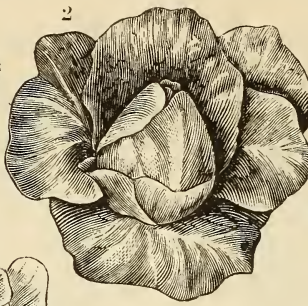
**Improved Dwarf.** Producing compact sprouts of fine quality.....Per pkt. 5 cts.; oz. 20; lb. \$2 00

## CABBAGE.

*Kopf-Kohl, GER.**Chou Pomme ou Gabus, FR.**Col ó Repollo, SPAN.*

The early sorts are extensively cultivated for the early summer market, and may be raised as follows: Sow the seed in well-prepared, rich ground, from the 10th to the 25th of September. When the plants are large enough to transplant, prick them out of the seed-bed into cold frames. In planting it is important to set the plants down to the first leaf, so that the stem is all under ground; if exposed they will be split by the frost, which will injure them. 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. The plants are usually set out from the middle of March to the middle of April,

Bemit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. EARLY CANNON BALL CABBAGE.

2. EARLY JERSEY WAKEFIELD CABBAGE.

3. EARLY WINNIGSTADT CABBAGE.

4. EARLY FRENCH OXHEART CABBAGE.

5. EARLY RED DUTCH ERFURT CABBAGE.

6. DRUMHEAD SAVOY CABBAGE.

7. HENDERSON'S EARLY SUMMER CABBAGE.

8. EARLY IMPROVED FLAT BRUNSWICK CABBAGE.

9. EARLY FAVORITE CURLED SAVOY CABBAGE.

10. LARGE LATE FLAT DUTCH CABBAGE.

11. LARGE LATE DRUMHEAD CABBAGE.



## CABBAGE—Continued.

In rows about 2 feet apart, and 18 inches in the rows. They may also be raised by sowing the seed very early in the spring, in hot-beds; after hardening off the plants, set out in deep and well-manured ground. They should be hoed every week, and the ground stirred deeper as they advance in growth, drawing a little more earth to the plants each time, hilling up when they begin to head.

The autumn and winter varieties sow in April or early in May, in a moderately shaded border, in shallow drills, 3 or 4 inches apart; transplant early in July, in rows 2½ feet apart, and 2 feet in the rows. 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-slacked lime, plaster, or tobacco, which should be performed early in the morning while the dew is on the plants; also applying sulphur for the green ouse, and salt for the butterfly-worm.

The Oxheart, Jersey Wakefield and Brunswick varieties are grown largely for the Philadelphia markets, the former being quite early and producing large heads; is followed in succession by the two latter sorts. The Philadelphia Flat Dutch and Drumhead are the favorite late varieties.

	Pkt.	Oz.	lb.
Early French Oxheart. A favorite variety among the market gardeners, heads very early, tender, and of fine flavor; <i>extra fine stock</i> .....	\$o	5 25	2 5o
Early York. A small dwarf-heading variety, very early and tender, of good quality.....		5 2o	2 oo
Cannon Ball, or Early St. John's Day. This is a round, hard, heavy and tender variety, hence its name—Cannon Ball. It is nearly as early as the <i>Early York</i> , and when fully grown, is 6 to 8 inches in diameter.....		1o 3o	3 oo
Dreer's Large Early York. A superior early-heading robust sort, and endures the heat well.		5 25	2 5o
Early Winnigstadt. A solid and tender variety; good for either early or late.....		5 25	2 5o
Henderson's Early Summer. A new early variety, with large solid heads, coming in a few days later than the <i>Wakefield</i> , and rarely bursting open when fully matured.....		1o 8o	8 oo
Early Jersey Wakefield. A favorite market gardener's variety; it is very early, following the <i>Oxheart</i> , of good quality and sure to head; <i>extra fine selected stock</i> .....		1o 8o	8 oo
Early Improved Flat Brunswick. The best early <i>Flat Dutch</i> for market gardeners; either as a second early or late sort; short stem, large solid heads, sure; <i>superior stock</i> ....		1o 5o	5 oo
Large Early Schweinfurt. A large heading second-early summer or fall variety.....		1o 4o	4 oo
Filder, or Pomeranian. A favorite variety, with solid conical heads, either for early or late...		1o 4o	4 oo
Dreer's Early Drumhead. A favorite with the market gardeners; a second-early, large, solid-heading variety, grown with great care for that trade.....		1o 8o	8 oo
Large Late Drumhead. A favorite winter variety with the market gardeners; extra large solid heads, a little later than the <i>Flat Dutch</i> ; <i>our superior stock</i> .....		1o 5o	5 oo
Large Late Flat Dutch. Favorite winter Philadelphia market variety; short stem and large solid flat heads; <i>our superior stock</i> .....		1o 5o	5 oo
Stone Mason, or Marblehead. A large, solid, tender, free-heading winter variety.....		1o 6o	6 oo
Green Glazed. Grown extensively at the South, being less subject to the attack of insects. It forms good-sized heads, of a glossy pea-green color.....		1o 3o	3 oo
Red Dutch Drumhead. A large red-heading variety for pickling.....		1o 3o	3 oo
Early Red Dutch Erfurt. Earlier than the above, valuable for pickling.....		1o 4o	4 oo
Early Favorite Green Curled Savoy. Makes a medium-sized solid head, and is very tender.		1o 3o	3 oo
Drumhead Savoy. Grows to a large size, heads nearly round and tender.....		5 25	2 5o
Perfection Drumhead Savoy. American grown seed of superior quality, the largest solid-heading sort, of excellent flavor, with the richness of the Cauliflower. The Savoy varieties are considered the best for boiling.....		1o 6o	6 oo

Plants furnished in season, see list and prices under head of Esculent Roots and Plants.

## CAULIFLOWER.

Blumen-Kohl, GER.

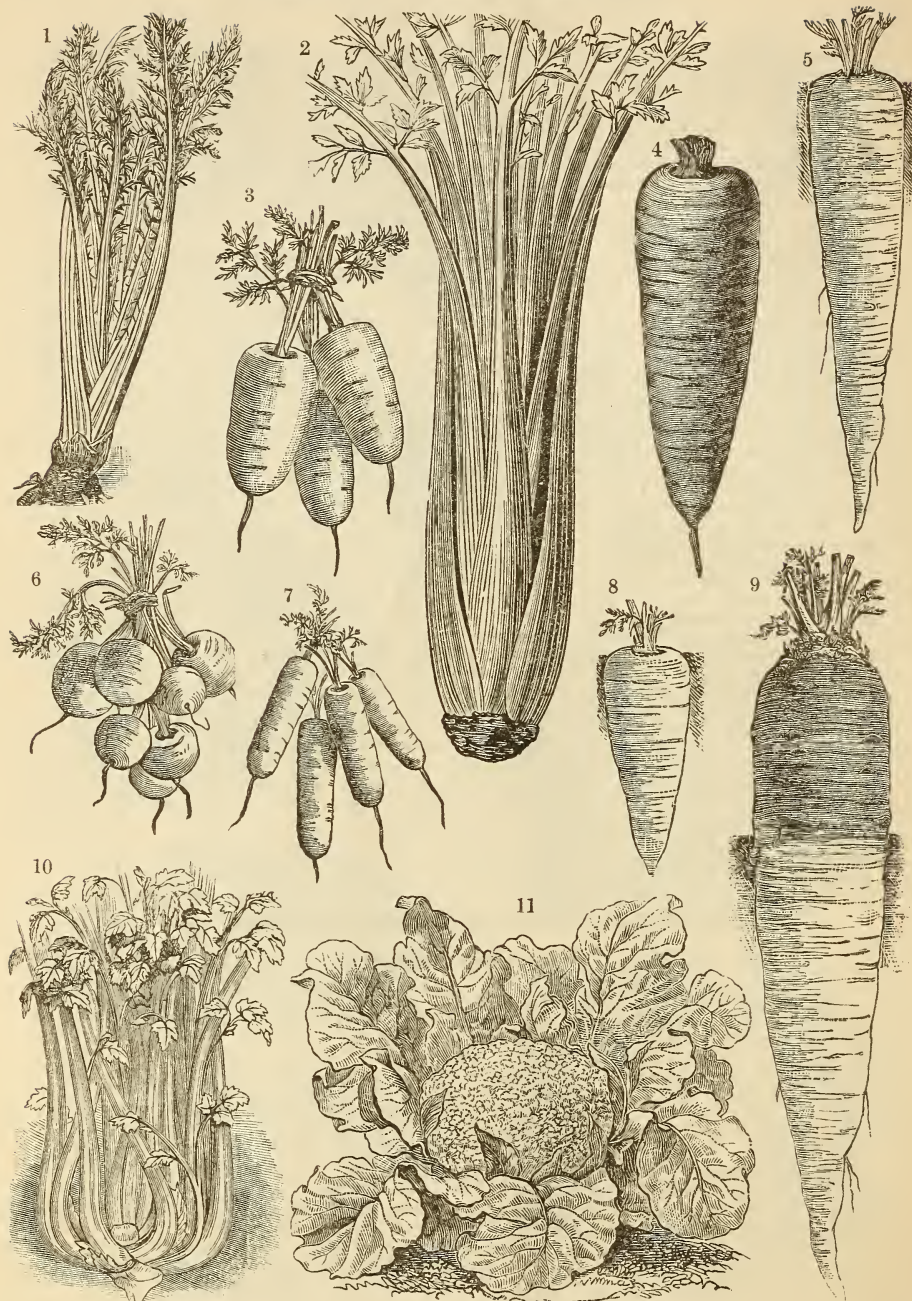
Chou-Fleur, FR.

Coliflor, SPAN.

Sow for early about the middle of September or October, 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. Where this is not practicable, they may be had nearly as well, by sowing the seed in a hot-bed in January or February, and when the plants are large enough transplant 3 inches apart in boxes or in the soil of another hot-bed, until such time to plant out, say from the 20th of March to the 10th of April. If hardened off, they are seldom injured by planting out, as early as the ground can be properly prepared, into a bed of the richest earth, 2½ feet apart each way. Keep them well hoed, and bring the earth gradually up to their stems, watering freely in dry weather and especially when they begin to head. 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 varieties mature in the autumn, and are sown and managed similarly to winter Cabbage, and transplanted in well-enriched soil in July.

	Pkt.	Oz.
Dreer's Earliest Snowstorm. The earliest and best of all for forcing or open ground culture. It is dwarf, with short outer leaves, and can be planted 2 feet apart each way; always sure to make large fine heads earlier than any other, and is becoming the <i>gardener's favorite</i> ... \$o	5o	1o oo
Dreer's Selected Dwarf Erfurt. One of the earliest in cultivation, small-leaved dwarf for forcing, producing very solid pure-white heads of the finest quality; about 15 inches high, and has proven the best for the above purpose.....	25	5 oo
Early Dwarf Erfurt. A favorite early market variety, very productive, with large, white, compact heads of good quality.....	2o	2 oo
Early London. A good old variety, with large white compact heads.....	1o	75
Half Early Paris. One of the popular white sure-heading varieties, either early or late.....	15	1 oo
Lenormand's Short-Stem. A large, late, short-stemmed variety, with well-formed white heads, of extra quality; in great favor with the <i>gardeners</i> .....	15	1 oo

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. LARGE SOLID CARDOON.
2. DREE'S LARGE WHITE SOLID CELERY.
3. EARLY SCARLET HORN CARROT.
4. DANVERS HALF-LONG SCARLET CARROT.
5. IMPROVED LONG ORANGE CARROT.

6. EARLY VERY SHORT HORN SCARLET CARROT.
7. EARLY HALF-LONG CARENTAN CARROT.
8. EARLY HALF-LONG SCARLET CARROT.
9. LARGE WHITE BELGIAN CARROT.
10. BOSTON MARKET DWARF CELERY.

11. LENORMAND'S SHORT-STEM CAULIFLOWER.

## CAULIFLOWER—Continued.

	Pkt.	Oz.
Algiers. An extra fine late variety, for the market, and sure to head; becoming a general favorite.	\$0	15 1 00
Large Late Walcheren. A good old variety, producing large firm white heads.....	10	15 75
Veitch's Autumn Giant. One of the finest late varieties, of robust habit, heads large, compact, and thoroughly protected by the leaves.....	15	1 00

Plants furnished in season, see list and prices under head of Esculent Roots and Plants.

## CARDOON.

Kardonen, GER.

Cardon, FR.

Cardo Hortense, SPAN.

Is much cultivated in Europe for culinary purposes. The stem of the leaves, which are thick and crisp, after being blanched in the same manner as Celery, are the eatable parts, and are generally used in soups or stews. They are in perfection during the autumn and winter. Sow in April in drills 1 inch deep; when one year old transplant in trenches of well-manured ground 3 feet apart and 1 foot in the rows; the roots remain from year to year.

Large Solid Stalked. The best variety.....Pkt., 10 cents; Oz., 40 cents.

## CARROT.

Möhren, GER.

Carotte, FR.

Zanahoria, SPAN.

The early varieties are the best for table use. For an early crop sow as soon as 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 large late varieties are suitable for a main crop. Sow in May and June, in drills about 1 foot apart, thin out to stand 4 inches in the rows. The most suitable ground for Carrots is that of a rich, deep sandy loam, deeply cultivated, which has been well manured for previous crops; if fresh manure is used, it often causes ill-shaped roots.

	Pkt.	Oz.	lb.
Early Very Short Horn Scarlet. The earliest forcing variety, small root and excellent flavor.	\$0	5 15	1 50
Early Scarlet Horn. The favorite early red summer variety; fine grained and good flavor.....	5	15 1	25
Early Half-Long Scarlet. A desirable variety between the Scarlet Horn and the Long Orange.	5	15 1	25
Early Half-Long Carentan. A new scarlet variety, without core, for forcing or the open ground.	5	15 1	50
Danver's Half-Long Scarlet. A new rich orange-red variety, very smooth and handsome, mid-way between the Long Orange and Early Scarlet Horn, producing very large crops...	5	15 1	25
Improved Long Orange. The best late, deep orange-colored variety, for general culture as well as the garden, being preferred by dairymen for stock.....	5	10 1	00
Long Red Altringham. A large, good-flavored field variety, for table use or feeding stock.....	5	10 1	00
Large White Belgian. Grows one-third above ground, large white roots, with green top, grown almost exclusively for feeding stock.....	5	10	80

## CELERY.

Sellerie, GER.

Céleri, FR.

Apio, SPAN.

Sow the last of March or early in April, in an open border, in rich mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result has been more satisfactory than when covered. The tops are cut off once or twice before planting out, to make them stocky, and they suffer less from being transplanted. When the plants are 5 or 6 inches high, transplant a portion in trenches or on the level ground; the dwarf varieties 3 feet, and the taller sorts 4 feet between the rows, plants 6 inches apart in the rows; pressing the earth tight around the plants, to exclude the air from the roots, which is essential in setting out all kinds of plants; repeating at intervals of two or three weeks for a succession. As they advance in growth, cultivate to keep down the weeds, and when large enough blanch by earthing up, which should be performed gradually in fine weather, taking care not to bury the hearts of the plants. The first operation is that of handling the plants, as it is termed, after the soil has been drawn up with the hoe, it is drawn closer around each plant by the hand, to keep the leaves firm in an upright position and prevent spreading, continuing until it is ready to be finally stored away for the winter. The Celeric, 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, select well-drained ground, dig trenches 1 foot wide and deep enough to cover the tops of the plants. Pack the stalks in this in an upright position, covering 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 4 inches of soil and protect as described above. When wanted for use, open at one end, covering again to keep out the frost.

	Pkt.	Oz.	lb.
Dreer's Large White Solid. Our favorite market variety, large, solid, blanches perfectly white, of fine flavor, crisp and very tender.....	\$0	10 40	4 00
Seymour's Superb, or Giant White Solid. Large white stalks, crisp and solid.....	10	30 3	00
Boston Market Dwarf. This is the famous short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand.....	10	60 6	00
Henderson's Half Dwarf White. Solid, crisp and of a fine nutty flavor.....	10	60 6	00
Sandringham Dwarf White. White, solid, crisp, of remarkably fine flavor and good qualities.	10	30 3	00
Dwarf Golden Heart. A new variety of great value. In size it is the same as the Half Dwarf White, except when blanched, the heart is large and full, of a golden yellow; a most striking and showy variety, for either market or private use. It is solid, of excellent flavor, and keeps well during the winter.....	15	60 6	00
Cole's Defiance Red. The best red variety, large, solid, crisp and good flavor.....	19	30 3	00
Celeric, or Turnip-Rooted. Large Early Erfurt. The root is cooked and sliced, and used with vinegar, making an excellent salad.....	5	25 2	50
Soup, or Flavoring Celery. (Old Seed.) Used for flavoring soups, stews, etc.....	10	50	

Plants furnished in season, see list and prices under head of Esculent Roots and Plants.

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.

## CHERVIL.

*Garten Körbel*, GER.*Cerfeuil*, FR.*Perifoleo*, SPAN.

While young and tender, used as a small salad, and for seasoning soups, etc., like Parsley, of a pleasant aromatic taste. Sow in May, in drills 1 foot apart and half an inch deep, thinning out to stand 1 foot apart in the rows in rich, well-manured ground.

**Curled, or Double.** Extra curled moss.....Per pkt., 5 cts.; oz., 20 cts.; lb., \$2.00

## CHICORY.

*Cichorie*, GER.*Chicorée*, FR.*Achivoria de Cafe*, SPAN.

Sow in April in drills half an inch deep, in good mellow soil, and cultivate like Carrots. Cut up and dry the roots, roast and grind like coffee. Mix about one-fourth of ground Chicory with the coffee before cooking. It takes the deleterious effect from the coffee and improves its flavor. The plants can be blanched and used as a salad.

**Large Rooted.** The best substitute for coffee.....Per pkt., 5 cts.; oz., 10 cts.; lb., \$1.00.

## COLLARDS.

*Blätter-Kohl*, GER.*Chou-cabus*, FR.*Cabu ó Variedad de Col*, SPAN.

The popular greens, prized at the South, and so well adapted to that climate, and used as a substitute for Cabbage, in portions of the South where it is almost impossible to succeed in raising cabbage-heads. Sow from June to August for a succession, and cultivate the same as Cabbage; when large enough transplant in rows 1 foot apart each way, and hoe frequently.

**True Georgia, or Creole**.....Per pkt., 5 cts.; oz., 20 cts.; lb., \$2.00

## CORN SALAD—Fetticus.

*Ackersalat oder Lammersalat*, GER.*Mache*, FR.*Canonigos ó Ventricost*, SPAN.

Used as a small salad throughout the winter and spring, and extensively grown for our markets. Sow on the opening of spring, in drills 1 foot apart, keeping down the weeds by frequent hoeing; 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, the same as for Spinach.

**Large Seeded.** Large leaved, the best variety for market purposes.....Pkt., 5 cts.; Oz., 10 cts.; lb., 80 cts.

## CORN (Indian) Garden, or Table Varieties.

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

Adam's Extra 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 varieties, which are the best for boiling for table use.

Early Narragansett is the hardiest of the sweet varieties, and can be planted the first, at least a week or ten days before the other sorts.

The Sweet or Sugar varieties being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills 3 feet apart each way, covering about half an inch, and thin out to 3 plants, or in rows 4 feet apart, and to stand 8 inches apart in the rows.

The field varieties should be planted 4 feet apart each way, leaving 3 plants stand to a hill.

**Adams' Extra Early.** The hardiest and earliest variety for table use, and can be planted Ear. Pkt. Qt. Bu. earlier than any other, but is not a *Sweet Corn*, white indented grains, and short ear....\$0 5 10 20 4 50

**Early Narragansett Sweet.** The earliest and hardiest sweet variety, ears small, red grain, tender, and of good quality..... 5 10 20 4 50

**Stabler's Extra Early Sweet.** A new variety of larger size than usual for the early kinds. It is remarkable for its sweetness and earliness, and ripens nearly as early as the

*Adam's Extra Early*; a desirable gardener's and canning variety..... 10 10 40 6 00

**Extra Early Tom Thumb Sweet.** One of the sweetest and tenderest of the early dwarf varieties, producing a profusion of good-sized ears, in two months from time of planting. 5 10 25 5 00

**Early Minnesota Sweet.** One of the earliest, habit dwarf, ears small and productive..... 5 10 20 4 50

**Crosby's Extra Early Sugar.** A favorite market variety, very early, productive, ears rather short, and of a rich, sugary flavor..... 5 10 20 4 50

**Triumph Sweet.** The largest of the early varieties; ear large, productive, flavor rich and sweet; a fine market variety..... 10 10 20 4 50

**Black Mexican Sweet.** A black grained variety, said to be sweetest and tenderest of all... 5 10 25 5 00

**Roslyn Hybrid Sweet.** A new, medium late variety, which will yield more of a crop than *Evergreen* or *Mammoth Sugar*, producing a large ear, very sweet and delicious; excellent either for canning or family use..... 10 10 25 5 00

**Large Sweet, or Mammoth Sugar.** The largest late sort, very productive, of fine flavor.. 10 10 20 4 50

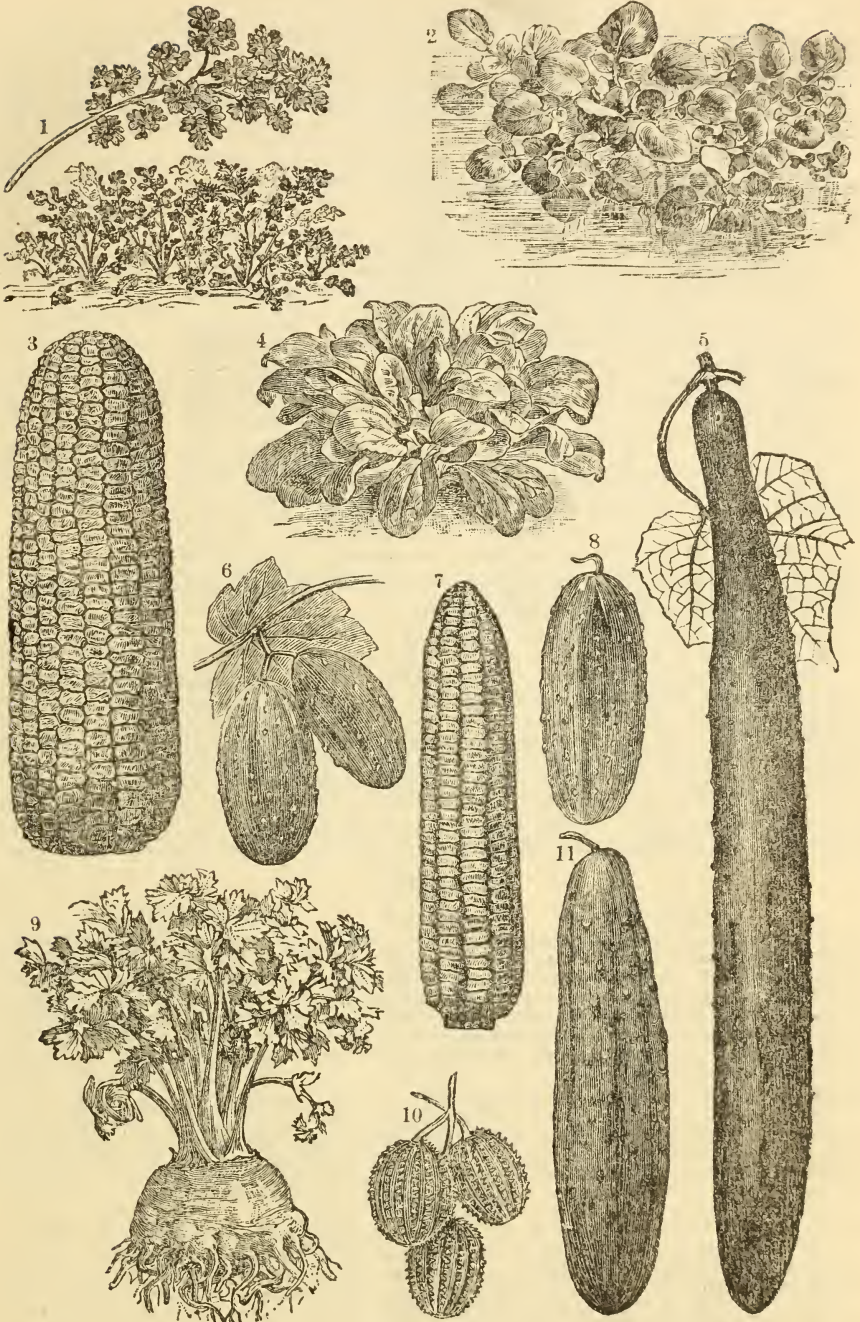
**Evergreen Sweet.** The latest and one of the sweetest, ears large, deep grained, of excellent quality, remaining longer green than any other variety..... 10 10 20 4 50

**Egyptian Sweet.** A new large variety, somewhat resembling the *Evergreen*, flavor peculiarly rich and sweet, and of superior quality..... 10 10 25 5 00

**Little Gem Sweet.** A small new late variety, resembling the *Evergreen*, very sweet and luscious, especially adapted for family use. (See Illustration in Supplement.)..... 10 15 50 8 00

The best canning varieties are *Evergreen*, *Egyptian* and *Roslyn Hybrid*.

Ears of Sweet Corn when ordered to be sent by mail, remit 5 cts. for the small, and 10 cts. for the large ears, and shelled 25 cts. per quart, in addition to price, to prepay postage.



1. EXTRA CURLED GARDEN CRESS.
2. TRUE WATER CRESS.
3. EVERGREEN SWEET CORN.
4. LARGE SEEDED CORN SALAD.
5. ENGLISH PRIZE, OR FRAME CUCUMBER.
6. EARLY RUSSIAN CUCUMBER.
7. CROSBY'S EXTRA EARLY SWEET CORN.
8. IMPROVED EARLY WHITE-SPINED CUCUMBER.
9. CELERIAC, OR TURNIP-ROOTED CELERY.
10. SMALL GHERKIN, OR BURR CUCUMBER.
11. TAILOR'S HYBRID CUCUMBER.

## CORN (Indian)—Continued.

The following are Field Varieties :

	Doz.	Hund.		
	ears.	ears.	Qt.	Bu.
<b>Compton's Early Yellow.</b> The earliest variety, ripening in seventy-six days, producing about 100 bushels per acre, ears long, grain medium, bright yellow and flinty; best adapted for <i>mountain regions</i> and north of Pennsylvania.....	\$0 50	3 00	20	3 00
<b>Early Yellow Canada, or Flint.</b> The early ninety day corn, used principally for replanting where the other varieties fail to come up, and then maturing at the same time with the common field varieties; also good for northern latitudes.....		50	3 00	20 3 00
<b>Early Large White Flint.</b> The old Hominy eight-row variety; very early, productive, and of good quality.....		50	3 00	20 3 00
<b>Cloud's Early Yellow Dent.</b> This variety has been carefully selected, and is claimed to have the following good qualities: comes early, strong and vigorous, growing from 6 to 8 feet high, producing large, handsome ears with unusually deep grains, of which fifty-six will make a bushel of shelled corn; will yield as well on thin land as any other variety; wherever exhibited carrying off the first prize.....		75	5 00	25 3 50
<b>Improved Golden Dent, or Leaming Gourd Seed.</b> One of the best and most productive varieties, having very deep grains and hardly any cob; when shelled weighing 56 pounds per bushel; a profitable Yellow Dent field variety.....		50	3 00	20 3 00
<b>Improved Prolific White.</b> This new variety grows about 10 feet high, ears 9 inches long, grain plump and perfectly white, producing 4 to 6 ears per stalk and about 100 bushels per acre. A fine quality of flour is made from it resembling that of wheat. Also known and sown as Ensilage Corn.....		50	3 00	20 3 00
<b>Parrish White Dent.</b> The best and most productive <i>White Dent Field Corn</i> in cultivation; makes splendid white meal for family use.....		60	4 00	25 3 50
<b>White Rice Pop.</b> For parching is the best variety.....		20	1 25	30 5 00
<b>Sweet Fodder Corn.</b> (For Soiling, or Ensilage.) Profitable as green fodder, cut when green to feed to the cattle. Sow broadcast 2 bushels, and in drills 3 feet apart 1 bushel per acre, of either sweet or field varieties.....				3 00

For Ears of Field Corn, when ordered to be sent by mail, remit 15 cts. each or \$1.50 per doz.; Pop Corn 25 cts. per dozen ears, and shelled 30 cts. per quart, in addition to price, to prepay postage.

## CRESS.

*Garten und Brunnen Kresse*, GER.*Cresson*, FR.*Mastuerzo 6 Lepidio*, SPAN.

Peppergrass is extensively grown and used as a small salad. Sow early in the spring and at intervals throughout the season, for a succession, thickly in shallow drills, as it soon runs to seed. The Cresses are very healthful and excellent salad plants. The Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping 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. The leaves are eaten with salt, and are of an agreeable, pungent taste, relished by most people.

	Pkt.	Oz.	lb.
<b>Extra Curled, or Peppergrass.</b> Fine flavor, and can be cut several times.....	\$0	5	10 50
<b>True Water.</b> A perennial aquatic plant, with small oval leaves and prostrate habit.....	10	40	4 00

## CUCUMBER.

*Gurken*, GER.*Concombre*, FR.*Pepino*, SPAN.

For very early Cucumbers, sow the 1st of April a few seeds in a hot-bed, upon pieces of sods (grass side down), so that they can be readily removed to transplant in the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. For early use, plant first week in May, if the weather has become settled and warm; they succeed best in a warm, moist, rich, loamy soil; continue planting at intervals for a succession, on hills about 4 feet apart each way; the hills should be previously prepared with a shovelful of well-rotted manure; thin out to four of the strongest plants to each hill, after all danger from insects is over. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness. For pickles, plant from June until the middle of July.

<b>Early Russian.</b> The earliest and hardiest productive variety; the fruit is small and produced in pairs.....	\$0	5	10 1 00
<b>Early Frame.</b> A good old popular variety, of medium size, straight, and excellent for table use or pickling when young.....		5	10 1 00
<b>Improved Early White-Spined.</b> The favorite <i>market variety</i> , largely used for forcing, and extensively grown South for shipping North early in the season; of medium to large size, deep green, crisp, fine flavor, and very productive.....		5	10 1 00
<b>Tailby's Hybrid.</b> A variety hybridized with the <i>White-Spined and English Prize</i> , retaining the beauty of the long English and hardness of the White-Spined; of large size and excellent for market gardeners or family use.....		5	15 1 25
<b>Green Prolific.</b> One of the best pickling varieties, dark green, tender, crisp, great productiveness, of fine flavor, uniform pickling size, and good for table use.....		5	15 1 25
<b>Long Green Turkey.</b> The leading long green variety for pickling, of excellent quality and productiveness, fruit dark green, firm and crisp. It can be gathered at any size while young for pickles.....		5	15 1 25
<b>Small Gherkin, or Burr.</b> Also known as the <i>West India, or Jerusalem Pickle</i> ; used only for pickling while young.....		5	20 2 00

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.

**CUCUMBERS—English Prize, or Frame Forcing Varieties.**

These are some of the leading favorite varieties for forcing, attaining a length of 20 to 30 inches; they can be grown in hot-beds or hothouses where the temperature does not fall below 65 degrees at night and 75 or 80 degrees during the day. Sow the seed in small pots about the middle of January; when they have grown to three leaves, plant in a prepared hill of rich loose soil in the centre of a sash. Our packets contain from five to twelve seeds each, according to the scarcity of the variety

	Pkt.		Pkt.
Champion of England.....	\$o 25	Manchester Prize.....	\$o 25
Cooling's Prolific.....	25	Marquis of Lorne (New).....	25
Edward's Eclipse (New).....	25	Pierson's Long Gun.....	25
General Canrobert.....	25	Sion House, Improved.....	25
General Grant.....	25	Telegraph.....	25
Giant of Arnstadt.....	25	Tender and True (New).....	25

**DANDELION—Leontodon Taraxacum.**

*Loewenzahn oder Pardeblume, GER. Pissenlit, FR. Amargon, SPAN.*

The Dandelion is a hardy perennial plant, resembling Endive, and affords one of the earliest and most healthful spring greens or salads; blanching destroys somewhat its bitter taste when desired as a salad. The roots, when dried and roasted, are often used as a substitute for coffee. The seed should be sown early in the spring in drills 12 inches apart, about 1/4 of an inch deep, and thin out to 6 inches in the drills. Keep clear of weeds by cultivation, and the following spring it will be fit for table use.

	Pkt.	Oz
Large Common Variety. Used as spring greens or salad.....	\$o 5	25
Thick-Leaved, or Cabbaging. This new variety is double the size of the common, and for salad will soon supersede it. (See Illustration.).....	10	50

**EGG-PLANT.**

*Eierpfanze, GER. Aubergine, FR. Berengena, SPAN.*

Sow the seed in hot-beds early in March. When 3 inches high transplant into small pots, and plunge them into the same bed, so that the plants may become stocky and can be readily planted out from the pots when the season becomes sufficiently warm, say June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant into thoroughly worked and well-enriched soil about 3 feet apart each way.

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

	Pkt.	Oz.	lb.
Early Long Purple. The earliest, hardest and very productive; fruit from 6 to 10 inches long.....	\$o 10	30	3 00
New York Improved Large Purple. The leading market variety; large, round, dark-purple, free of thorns, excellent and the most productive variety.....	10	60	6 00
Black Pekin. Fruit purplish black, round to globular, large, solid, smooth and glossy, very prolific, early, and of fine flavor.....	10	60	6 00

Plants furnished in season, see list and prices under head of Esculent Roots and Plants.

**ENDIVE.**

*Endivien, GER. Chicorie, FR. Endivia ó Escarola, SPAN.*

Endive is one of the best and most wholesome salads for fall and winter use. Sow in April for early use, or for late, in June and July, in shallow drills. When 2 or 3 inches high, transplant into good ground, or thin out at a distance of 1 foot apart. It requires no special soil or manure, but after being transplanted must be cultivated and kept clear of weeds until it is full grown, when the blanching process begins. This is done by gathering the leaves together into the hand and tying near the top with yarn or bass, to exclude the light and air from the inner leaves, which must be done when quite dry, or they will rot; in three or four weeks they will be sufficiently blanched. 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.

	Pkt.	Oz.	lb.
Green Curled. The hardest and best dark-green very curled variety, tender and crisp.....	\$o 5	20	2 00
Ever White Curled. (Self-blanching.) This is by far the finest white curled variety, grows to a large size, always crisp and very tender (see illustration).....	10	40	4 00
Broad-Leaved Batavian. Leaves broad, light-green, nearly plain, used in stews and soups..	5	20	2 00

**KALE—Borecole.**

*Grüner oder Blätter Kohl, GER. Chou Vert, FR. Breton, SPAN.*

The Kales are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by the touch of frost. Sow the seed from May to June, covering it thinly and evenly; when of sufficient size and favorable weather transplant in July, in good, rich, well-manured ground, and cultivate the same as Cabbage. For early spring use, sow the Dwarf German and Green Curled Scotch, in September, and protect over winter, with a covering of straw or litter, and treat like Spinach.

Sea Kale is much esteemed in England, in some parts of which it grows spontaneously. Sow the seed early in the spring, in well-manured and deeply-dug ground, 1 inch deep, and the rows 2 feet apart; thin out to stand 6 inches in the rows; before winter cover with litter or leaves, and the next spring transplant in hills 3 feet apart each way. A supply may be had all winter by planting the roots closely together in a warm cellar before frost.



1. GREEN CURLED SCOTCH KALE.
2. EARLY CABBAGE, OR WHITE BUTTER LETTUCE.
3. TENNISBALL, OR BOSTON MARKET LETTUCE.
4. BOSTON CURLED LETTUCE.
5. EVER WHITE CURLED ENDIVE.
6. NEW YORK IMPROVED LARGE PURPLE EGG-PLANT.

7. EARLY WHITE VIENNA KOHL-RABI.
8. THICK-LEAVED, OR CABBAGING DANDELION.
9. HANSON LETTUCE.
10. KINGSHOLM COS LETTUCE.
11. LARGE LONDON, OR FLAG LEEK.
12. EARLY LONG PURPLE EGG-PLANT.



## KALE—Borecole—Continued.

Dwarf Green Curled, or German Greens. Leaves yellowish green, finely fringed; sown in September for winter and early spring use.....	Pkt. Oz. lb.
Dwarf Yellow Butter. A new variety, with yellowish green leaves, the finest curled of all.....	\$o 5 10 1 00
Green Curled Scotch. A favorite among our market gardeners; tall, but spreading under good cultivation to 3 feet in diameter; leaves bright green and beautifully curled; mostly grown for winter and early spring use.....	5 20 2 00
Tall Red, or Purple. Hardy like the Scotch, of a purplish color, and curled leaves.....	5 10 50
Sea Kale. Grown for its blanched shoots, which are cooked like <i>Asparagus</i> .....	5 15 1 50
	10 30 3 00

## KOHL-RABI—Turnip-Rooted Cabbage.

*Kohl-Rabi*, GER.      *Chou-Rave*, FR.      *Col de nabo ó Nabicol*, SPAN.

An intermediate vegetable between the Cabbage and Turnip, and is a favorite 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, in rows 18 inches apart, and thin out or transplant in rows, 12 inches apart, for the Late White, and 8 inches for the Early Vienna varieties, if the weather is favorable; as they are considered difficult to transplant. Keep the weeds down, and when 3 to 4 inches in diameter they are fit to eat. They are cooked like Turnips. For late use, sow in June and July.

Early White Vienna. Flesh white and tender, the best market sort, for table use, also for forcing, having a very short top.....	Pkt. Oz. lb.
Early Blue Vienna. Of a bluish-purple, and similar to the above, except in color.....	\$o 10 30 3 00
Large Late White. Large white or green, for farm culture, feeding stock, or table use.....	10 30 3 00
	5 15 1 50

## LEEK.

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

The Leek is very hardy, and of easy culture, succeeding best in a light but well-enriched soil. The whole plant is edible, employed in soups, boiled with meat, etc., reputed more delicate than the Onion. Sow early in April, in drills 1 foot apart, and 1 inch deep. When the plants are 6 to 8 inches high, transplant in a deep rich soil in rows 12 inches apart and 6 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.

Large London, or Flag. The favorite market variety, large, with broad leaves growing on two sides, like the Flag.....	Pkt. Oz. lb.
Large Musselburgh, or Scotch. Grows to a very large size, with broad leaves spreading like a fan; hardy and of excellent quality.....	\$o 5 20 2 00
	10 40 4 00

## LETTUCE.

*Lattich, oder Garten Salat*, GER.      *Laitue*, FR.      *Lechuga*, SPAN.

Lettuce thrives best in good, rich, moist ground, and is a universal favorite, almost free from insects and disease, which makes it of easy culture to every one. To grow Head Lettuce fine, for the principal early crop, sow the seed in September in the open ground; transplant when large enough into cold frames, and protect the plants during the winter, in the same manner as for early Cabbage; then set the plants out early in April, or sow the seed in hot-beds in February or March, and afterwards, for early salad, transplant into a sheltered border with a southern exposure. For successive crops sowings may be made in the open ground as early as the spring opens, and continuing until July. Always sow thin and thin out well, or the plants will not be strong. The last spring and summer sowings had better be grown where sown, being thinned out to stand 10 to 12 inches apart, or transplant in a cool, moist place. When wanted for cutting young as a cut salad, sow the seed rather thick, in rows or broadcast.

Early Curled Silesia, or Cut. A fine early curled variety which does not head, leaves large and tender, of fine flavor.....	Pkt. Oz. lb.
Early Curled Simpson. This does not head, but forms a close, compact mass of leaves; very early, an excellent variety for forcing, and a market sort.....	\$o 5 15 1 50
Boston Curled. Of superior quality, leaves frilled, symmetrical and of ornamental growth; it does not form solid heads.....	5 20 2 00
	5 20 2 00
The above varieties only used as cut salads, and are required to be sown thickly.	
Early Tennisball, or Boston Market. Forms a close, hard head, with few outer leaves; crisp, of good quality, and a favorite for forcing.....	5 20 2 00
Early Dutch Butter Spotted. Producing fine large heads of excellent quality, and one of our best forcing varieties and market sorts; also stands the heat well in the summer.....	10 30 3 00
Early Cabbage, or White Butter. A favorite among the market gardeners, for sowing in the fall; nearly hardy, requires only a slight protection of salt hay, and produces fine, well-formed heads early in the season; also for early spring sowing.....	5 20 2 00
Brown Dutch, or Butter. Very hardy, and one of the best for winter use, requiring but a slight protection of salt hay; fine large solid heads.....	5 20 2 00
Hanson. A superior curled heading variety, of large size, sweet, tender, and crisp even to the outer leaves, of a beautiful green without and white within, free from any bitter taste; either for summer use or forcing purposes.....	5 25 2 50
Black-Seeded Simpson. A new variety of the Curled Simpson Lettuce, producing a compact mass of leaves of a lighter color and almost white, nearly double the size of the ordinary Simpson, standing well the summer heat.....	10 30 3 00

Bemit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.

## LETTUCE—Continued.

	Pkt.	Oz.	lb.
<b>Royal Cabbage, or Summer Drumhead.</b> Heads large, crisp, tender, of good flavor, and stands the summer heat well.....	\$o	5 25	2 5o
<b>Improved Perpignan.</b> One of the best and longest standing summer varieties, and rarely running to seed, producing large solid tender green heads.....	10	4o	4 0o
<b>Monitor.</b> A variety of the <i>Royal Cabbage</i> , standing the heat of summer, and rarely runs to seed; tender, crisp, and of fine flavor.....	10	4o	4 0o
<b>Large Curled India Head.</b> The true variety, stands the heat of summer well, and forms large, solid, curled heads, of good quality.....	5	25	2 5o
<b>Kingsholm Cos.</b> The finest <i>Paris Cos</i> variety, forming long upright heads of narrow leaves, which are crisp and refreshing, withstanding the summer heat.....	10	3o	3 0o
The <i>Cos</i> varieties should be tied up a week to blanch before cutting. (See illustration.)			
<b>Paris White, or Ice Cos.</b> Forming fine, tender and crisp, white heads.....	5	2o	2 0o

Plants furnished in season; see list and prices under head of Esculent Roots and Plants.

## MARTYNIA.

*Gemsborn, GER.* *Cornaret, FR.* *Martina, SPAN.*

The seed pods are used to a considerable extent for pickling, when gathered green, young and tender. Sow the seed in the open ground in May, in hills 3 feet apart each way, or in a hot-bed and afterwards transplant.

**Proboscidea.** The best for pickling, used the same as Cucumbers.....Per pkt., 10 cts.; oz., 30 cts.

## MELON, MUSK—Cantaloupe.

*Melone, GER.* *Melon Muscade, FR.* *Melones Muscatel, SPAN.*

Melons thrive best in a light, enriched soil. Plant early in May when danger of frost is over, and the ground has become warm and dry, in hills 6 feet apart each way. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant 12 to 15 seeds; after all danger of the bugs is over, thin out to 3 plants per hill. When about 1 foot long, pinch off the tips, to make them branch, as it strengthens the growth of the vines, and makes the fruit mature earlier. When the ground is heavy, dig holes 3 or 4 feet in diameter and 18 inches deep; fill these with a compost of well-rotted manure mixed with rich light soil and sand; raise the hills above the level. Be careful not to plant pumpkins or squashes near them, as they will hybridize. A few hills, for early use, may be had by sowing on pieces of sod in a hot-bed, and when warm enough transplant on the hills.

	Pkt.	Oz.	lb.
<b>Jenny Lind.</b> The earliest, netted, of small round size, excellent flavor.....	\$o	5 10	1 0o
<b>Green Citron Netted.</b> The favorite <i>market variety</i> , medium size, deeply netted, nearly round, flesh thick, greenish, melting sweet and of delicious flavor.....	5	10	1 0o
<b>Netted Pineapple, or Nutmeg.</b> Of nutmeg shape, medium size, flesh green and thick, firm, juicy, and very sweet.....	5	10	1 0o
<b>Surprise.</b> This new variety has a thin cream-colored skin, very thickly netted; resembling the <i>Nutmeg</i> , very early, prolific and one of the finest flavored; flesh of a deep salmon red.....	5	15	1 25
<b>Hackensack, or Turk's Cap.</b> A variety of the <i>Green Citron</i> , deeply netted, very large, productive, of excellent flavor; a fine market sort.....	5	15	1 25
<b>Prescott, or Hardy Ridge.</b> A French variety of great merit; large, white-skinned fruit, round, somewhat flattened on both ends, deeply lobed, flesh very thick, of a rich orange color, sweet and delicious flavor.....	10	3o	3 0o
<b>Casaba, Persian, or Bay View.</b> Of extraordinary size, very delicious and fine flavor; usual weight from 10 to 15 pounds; the best, prolific, late, oval, netted green-fleshed variety.....	5	15	1 25

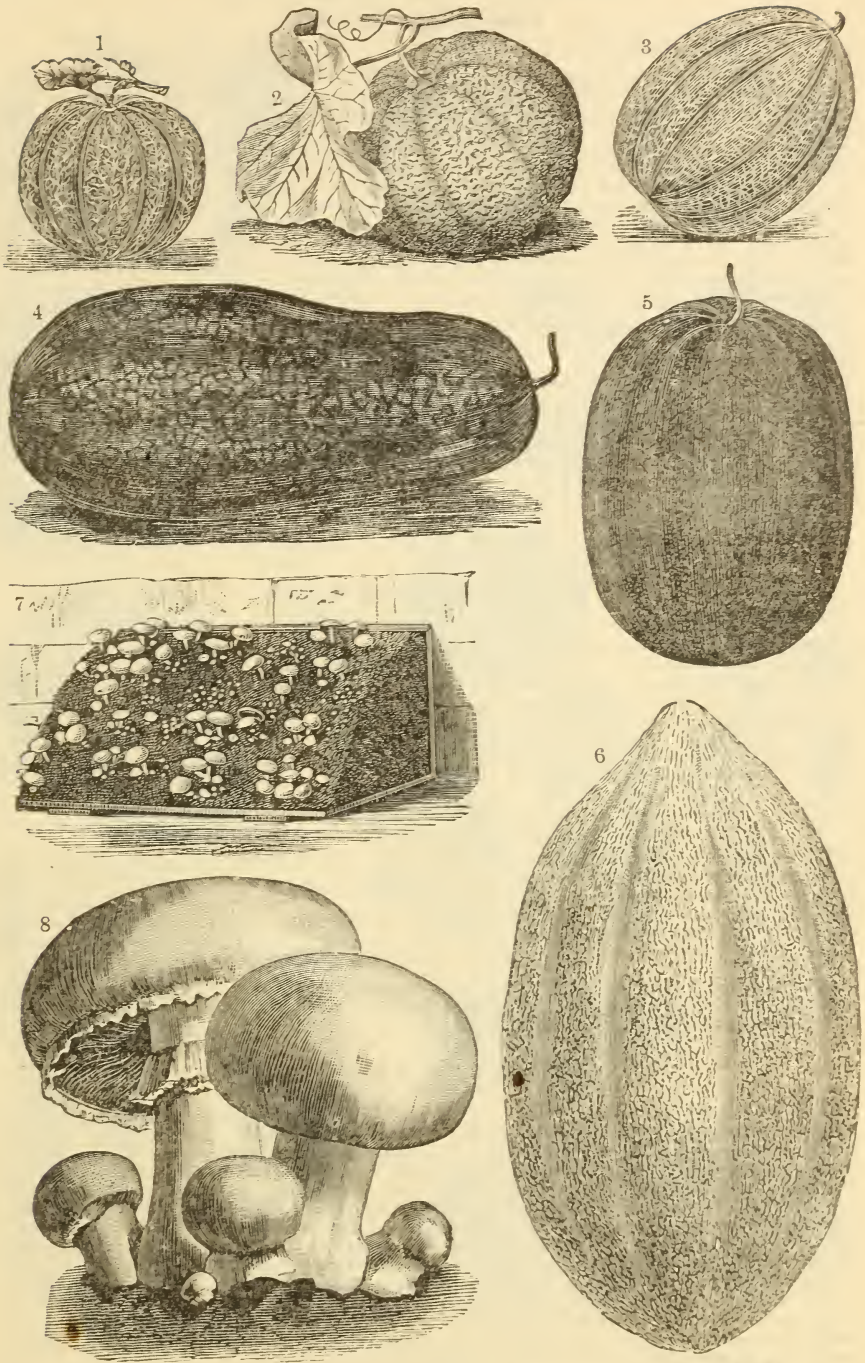
## MELON, WATER.

*Wasser-Melone, GER.* *Melon d'Eau, FR.* *Sandias ó Patillas, SPAN.*

The Water-melon is prized for its refreshing coolness in warm weather, and delicious sweetness. They thrive best in a rather sandy soil, well manured, and planted in hills 8 feet apart each way. Prepare the hills and treat the same as described for Musk-melons.

	Pkt.	Oz.	lb.
<b>Mountain Sweet.</b> A general favorite with melon growers; early, large oblong, dark-green, thin rind, flesh red, solid, rich and sweet.....	\$o	5 10	8o
<b>Mountain Sprout.</b> A large, long striped variety, dark-green skin, red-fleshed, of good quality. Also known as the shipper's favorite.....	5	10	8o
<b>Gipsy Striped, or Rattlesnake.</b> An early variety; large oblong, skin green, mottled and striped, rind thin, flesh crimson, sweet and fine flavored.....	5	10	1 0o
<b>Cuban Queen.</b> The largest, most symmetrical and solid variety in existence, rind very thin and strong, ripens to the very centre, skin striped with dark and light green, heavy cropper, flesh bright red, tender and melting, luscious, crisp, and very sugary. It is an excellent keeper and bears transit well.....	10	3o	3 0o
<b>Icing, or Ice-Rind.</b> One of the best in every respect; solid, always of good flavor and thin light green rind, white-seeded.....	5	15	1 25
<b>Ice Cream.</b> (The true <i>White Seeded variety</i> .) Of medium size, early, long, pale-green skin, very thin rind, flesh solid, scarlet, crisp, and of delicious flavor.....	5	15	1 25
<b>Black Italian.</b> Resembling the <i>Black Spanish</i> in shape, color, and size; solid, very thin rind, flesh scarlet, sweet and luscious; a profitable variety for the <i>market gardener</i> .....	5	10	1 0o
<b>Orange.</b> Of small size; flesh red, tender and sweet, separating from the rind like an orange; an excellent late variety.....	5	15	1 25
<b>Citron.</b> For preserving only; small round, flesh white and solid, with red seeds.....	5	10	1 0o

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. JENNY LIND MUSK-MELON.  
2. GREEN CITRON NETTED MUSK-MELON.  
3. NETTED PINEAPPLE, OR NUTMEG MUSK-MELON.  
4. MOUNTAIN SWEET WATER-MELON.

5. BLACK ITALIAN WATER-MELON.  
6. CASABA, OR PERSIAN MUSK-MELON.  
7. MUSHROOM BED.  
8. MUSHROOMS GROWN FROM SPAWN.

## MUSHROOM SPAWN.

*Champignonbrot*, GER. *Champignon*, FR. *Seta 6 Huevas de Hongos*, SPAN.

Mushroom beds are best under cover. Mushrooms can be grown in a dry cellar, under the benches of a green-house, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter. The beds should be made from November to March, according to the time they are desired, as it takes about two months for them to commence bearing. Collect fresh horse-droppings without straw, turn them over three or four times to get rid of the heat, and then mix one-third of fresh soil from an old pasture, with the prepared manure. Dig out a foot deep of the space to contain the bed, lay some long manure at the bottom, and then the prepared manure and soil, a little at a time, evenly and well beaten down until it is a foot above the ground; put a layer of good light earth on this, 2 inches thick; after a few days, when the rank heat has passed off, say to 90 degrees, then place the spawn in the bed in lumps about 2 inches square and 6 inches apart, covering with light earth an inch thick; beat it gently down all over. Cover the bed thickly with straw, and if out of doors, keep off rain, and protect from the cold with mats or boards. In about six to eight weeks the Mushrooms should make their appearance. Examine the bed often to see that it does not get dry, and when water is given it should be at the temperature of 100 degrees. A bed 3 to 4 feet wide is best, and can be made any length desired; see illustration.

English Spawn. In the form of bricks..... Each, 20 cts.; per doz., \$2.00; by mail, prepaid, 40 cts. each.

## MUSTARD.

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

A small pungent salad and sometimes used with Cress: the seed is also used for flavoring pickles, pepper sauce, and medicinal purposes. For salad sow thickly, early in the spring, in shallow drills 6 inches apart, and in September; or in frames or boxes, during the winter, where frost can be partially excluded; cut when about two inches high. For a crop of seed sow in April, in drills 1 foot apart, and thin out when 3 inches high.

	Pkt.	Oz.	lb.
White, or Yellow. English, for salads and flavoring purposes.....	\$5	5	30
Black, or Brown. More pungent than the white; for culinary use.....	5	5	30
Chinese. Leaves twice the size of the white, more succulent, deeper green, flavor sweet, and pungent, and preferable as a salad.....	5	10	75

## NASTURTIUM—Indian Cress.

*Indianische Kresse, oder Kapuziner*, GER. *Capsucine grande*, FR. *Capuchina 6 Berro Indio*, SPAN.

Cultivated both for use and ornament. The seed-pods and foot-stalks are gathered while green and tender, for pickling; they resemble capers. The flowers are beautiful orange-colored and used for garnishing, the leaves for mixing with salads. Sow early in the spring in drills about 1 inch deep, in light rich soil, when all danger of frost is over, and train the Tall on brush, trellises, or fences; and the Dwarf in beds, or to form borders for the beds, which will make them look gay with their beautiful colors.

	Pkt.	Oz.	lb.
Tall Orange. The most profitable pickling variety.....	\$5	5	20 2 00
Dwarf Varieties. Beautiful colored flowers; mixed.....	10	30	3 00

## OKRA—Gombo.

*Esslarer Hibiscus*, GER. *Gombo*, FR. *Quimbombo*, SPAN.

This vegetable is becoming more extensively grown and better known. The long young green capsules or pods of this plant are used in soups, stews, etc., to which they impart a rich flavor and are considered nutritious. Sow the seeds thickly in rich ground, as it is liable to rot in cold wet weather, about the middle of May, or when the ground has become warm, in hills or drills 3 feet apart and 1 inch deep, thin out to 3 plants to the hill, or 10 inches apart in the drills. Hoe often, and earth up a little to support the stems. The very young pods can be gathered and dried for winter use; the ripe seeds are used as a substitute for coffee.

	Pkt.	Oz.	lb.
Improved Dwarf Green. Long-podded, early, and productive.....	\$5	5	10 75
New Improved Dwarf. This new early variety has long green slender pods, very productive, and only grows 14 inches high.....	5	20	2 00

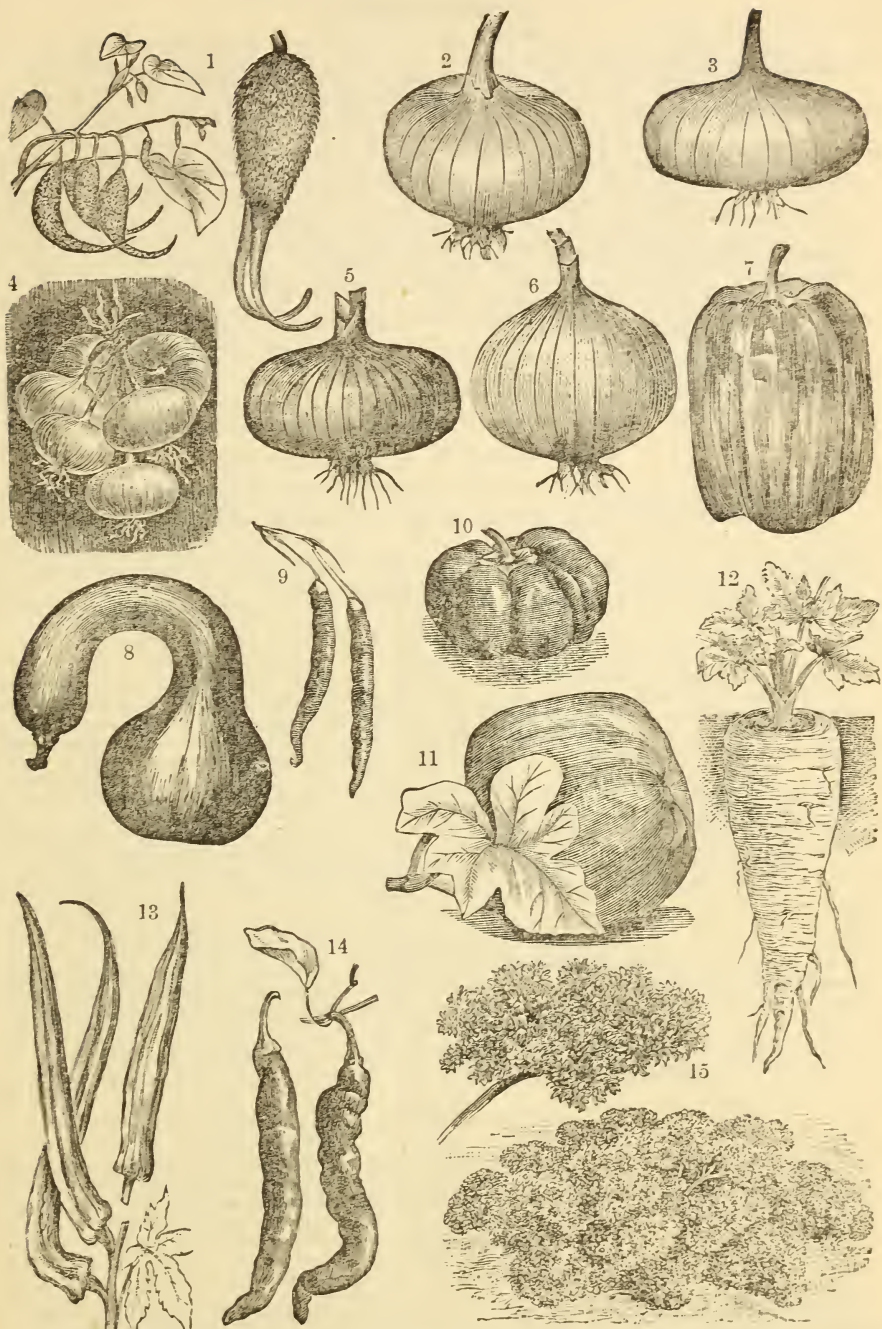
## ONION.

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

The Silver-Skin, Yellow Strasburg, and Yellow Danvers seed we offer, 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 summer, remove them to a dry, airy place; and early in the following spring replant by placing the sets on the surface of shallow drills 12 inches apart and about 4 inches apart in the drills; the drills should be wide enough apart to admit of hoeing, or for a cultivator; the Onions, by this process, are obtained of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills 1 foot apart, and about ¼ inch deep, in March, or early in April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills, keeping them well hoed and free from weeds; for this purpose the Red Wethersfield and Yellow Danvers are usually preferred. They delight in a strong, rich, deep, loamy soil; the ground should be deeply dug and heavily manured with well-rotted manure, succeeding well if grown successive years on the same ground.

Seed can be sown in August and September, and left out all winter without injury, being hardy, in drills wide enough apart to admit of working, and when they have grown of sufficient size in the spring to be fit for table use, thin out to 4 inches apart, to allow the remaining crop to mature to large Onions.

Potato Onions should be planted in April, placing them 10 inches apart, with the crown of the bulb just below the surface of the ground; earth up a little at each time of cultivation; when tops are dead they are ready to be taken up.



1. MARTYNIA PROBOSCIDEA.	7. LARGE SWEET BELL PEPPER.	12. LARGE SUGAR, OR HOLLOW CORWN PARSNIP.
2. WHITE, OR SILVER-SKIN ONION.	8. CASHAW PUMPKIN.	13. IMPROVED DWARF GREEN OKRA.
3. YELLOW STRASBURG ONION.	9. SMALL CHILI PEPPER.	14. LONG RED CAYENNE PEPPER.
4. EARLY WHITE QUEEN ONION.	10. TOMATO, OR SQUASH-SHAPED PEPPER.	15. DWARF EXTRA CURLED PARSLEY.
5. RED WETHERSFIELD ONION.	11. LARGE CHEESE PUMPKIN.	
6. YELLOW DANVERS ONION.		

ONION—Continued.

White, or Silver Skin. A mild-flavored early variety, extensively grown for pickling, but not as good a keeper as the <i>Yellow Strasburg</i> .....	Pkt.	Oz.	lb.
<i>Yellow Strasburg</i> , or <i>Yellow Dutch</i> . The leading market variety, a good keeper, and well flavored; of a bright straw-colored skin and somewhat flattened shape.....	10	35	3 50
<i>Yellow Danvers</i> . An excellent early oval, straw-colored variety, of mild flavor, productive, and good keeper.....	10	30	3 00
<i>Large Red Wethersfield</i> . The leading variety of the Eastern States, growing to full size the first season from seed, almost round, large size, deep red color, and keeps well.....	5	25	2 50
<i>Early Blood Red</i> . About ten days earlier than the <i>Wethersfield</i> , and somewhat smaller, close-grained and heavy, of mild flavor, an excellent keeper.....	10	30	3 00
<i>Southport Yellow Globe</i> . A new, very large, handsome globular-shaped straw-colored variety, very productive, of mild flavor, excellent keeper, and one of the very best sorts.....	10	35	3 50
<i>Southport White Globe</i> . The same in every respect as the above, except in color.....	10	40	4 00
<i>New Queen</i> . A rapid growing silver-skinned variety, of mild flavor, early, remarkable for its keeping qualities, and excellent for pickling.....	10	40	4 00
<i>Giant Rocca of Naples</i> . A large, handsome, globular-shaped variety, of a bright brown skin, and delicate flavor.....	10	30	3 00
<i>Large White Tripoli</i> . An excellent large, white, Italian variety, of quick growth, mild and pleasant flavor, and of a flattened shape.....	10	35	3 50
<i>Large Red Tripoli</i> . A large red variety of the above and of equal quality.....	10	30	3 00

When desired, we furnish Eastern Crown, Yellow Dutch and Yellow Danvers Onion Seed, at \$2.00 per lb.

Onion Sets of the following varieties:

Prices subject to change according to the market fluctuations. For large quantities prices will be given on application.

For Onion Sets, when ordered to be sent by mail, remit 20 cents per quart, in addition, to prepay postage.

	Qt.	Bu.		Qt.	Bu.
White.....	\$0 35	8 00	Top or Button.....	\$0 30	7 00
Yellow.....	30	7 00	Shallot.....	30	8 00
Potato.....	30	8 00	Garlic.....	Per lb., 50 cts.; by mail, prepaid, 65 cts.	

PARSLEY.

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

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly early in April, in rows 1 foot apart and ½ inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water, or sprout in damp earth, and sow when it swells or bursts. For winter use, protect in a frame or light cellar.

<i>Double Curled</i> . A good medium curled variety, for garnishing and seasoning.....	Pkt.	Oz.	lb.
<i>Dwarf Extra Curled</i> . Leaves tender, crimped and very curly, of a beautiful bright green color, and ornamental; excellent for garnishing.....	5	15	1 25
<i>Fern Leaved</i> . One of the very best in cultivation; leaves bright green, beautifully curled and crested like fern or moss; nothing better for garnishing could be desired, as well as ornamental for a garden decorative plant.....	5	15	1 50

PARSNIP.

*Pastinake*, GER.      *Panais*, FR.      *Pastinaca 6 Chiriviva*, SPAN.

Sow as early in the spring as the weather will admit, in drills 15 inches apart and ½ inch deep, in a rich, deep, well-decomposed manured soil, deeply dug. Cultivate similar to Carrots, and thin out to 6 inches apart in the rows. The roots improve by leaving in the ground over winter for spring, securing enough in pits or the cellar for immediate use. Valuable for feeding stock as well as for table use.

<i>Large Sugar, or Hollow Crown</i> . The best variety in cultivation; roots long, very smooth, white, tender, sugary, and of excellent flavor.....	Pkt.	Oz.	lb.
	\$0 5	10	75

PEAS.

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

Peas mature earliest in a light, rich soil; for a general crop, a rich deep loam, or inclining to clay, is the best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, take well-decomposed manure, and for the dwarf-growing varieties you can hardly make the soil too rich. When grown for a market crop they are never staked, but are sown in single rows, 1 inch apart and 2 to 3 inches deep, the rows from 2 to 4 feet apart, according to the variety, or richness of the soil. When grown in gardens they are sown in double rows, 6 to 8 inches apart; the tall ones requiring brush, which is stuck in between the rows. Commence sowing the extra early varieties as early as the ground can be worked in February or March, continue for a succession every two weeks until June, then discontinuing until the middle of August, when a good crop may be secured by sowing the extra early and early sorts for fall use. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. The wrinkled varieties are not as hardy as the small hard sorts, and if planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best-flavored varieties. The dwarf varieties are best suited for their dwarf habit for small gardens or for forcing, and can be planted in rows 1 foot apart.

Remit for postage, 16 cts. per pound, or 25 cents per quart or fraction thereof, when ordered to be sent by mail.

## PEAS—Continued.

## Extra Early Varieties.

	Pkt.	Qt.	Bu.
<b>Dreer's Extra Early.</b> The earliest and most prolific variety; an even cropper, of excellent quality; height, 2 feet; the crop can be gathered in two pickings, a very important item; also for a late fall crop it has few equals; the <i>market gardener's</i> favorite.....	10	35	7 00
<b>Dreer's Eureka Extra Early.</b> A new selection of the above with all its good qualities; habit more dwarf, growing about 20 inches high, and entirely free from runners.....	10	40	8 00
<b>Carter's First Crop.</b> One of the earliest; productive and of good flavor; height 2½ feet.....	10	30	6 00
<b>Improved Daniel O'Rourke.</b> Ten days later than <i>Dreer's Extra Early</i> ; very prolific and of good quality; height, 3 feet.....	10	30	6 00
<b>Tom Thumb.</b> Very dwarf, not exceeding 10 inches in height in the richest of soil, productive, very early and of excellent quality.....	10	40	8 00
<b>McLean's Blue Peter.</b> One of the earliest and hardiest of the <i>Tom Thumb</i> varieties; dwarf with blue seed, dark-green pods, and large peas of excellent quality; a capital bearer, and suited for garden culture; height, 1 foot.....	10	40	8 00
<b>Kentish Invicta.</b> A productive blue variety, ripening altogether, of excellent flavor; a very good market variety; height, 2 feet.....	10	40	8 00
<b>Bliss' American Wonder.</b> This is the earliest new wrinkled variety in cultivation; in productiveness, flavor and quality it is unsurpassed. It is of dwarf and robust habit, growing from 10 to 12 inches high. Peas planted in June matured in 33 days. (See illustrations.).....	15	60	16 00
<b>Laxton's William The First.</b> One of the best green Marrows, combining flavor, earliness and productiveness; with well-filled, long, deep-green pods; height, 3 feet.....	10	50	10 00

## Early Varieties.

<b>Laxton's Prolific Long Pod.</b> A productive hardy second early variety, producing long pods, containing from 10 to 12 peas each; height, 4 feet.....	10	40	8 00
<b>Laxton's Alpha.</b> One of the earliest blue-wrinkled marrows; a prolific variety, of fine flavor; pods large and well filled; height, 3 feet.....	10	40	8 00
<b>Extra Early Premium Gem.</b> A fine flavored dwarf, wrinkled variety; pods long, dark green and prolific; height, 18 inches.....	10	40	8 00
<b>McLean's Little Gem.</b> A dwarf first early, green-wrinkled marrow, very prolific, and of superior flavor; height, 1 foot.....	10	40	8 00
<b>McLean's Advancer.</b> A fine early <i>market variety</i> , prolific, well-filled long pods, tender, and of delicious flavor; height, 2 feet.....	10	40	8 00
<b>Eugenie.</b> An early white-wrinkled marrow, of good flavor, and excellent cropper; height, 3 feet.	10	40	8 00

## Late Varieties, For a General Crop.

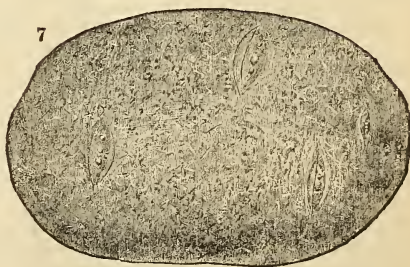
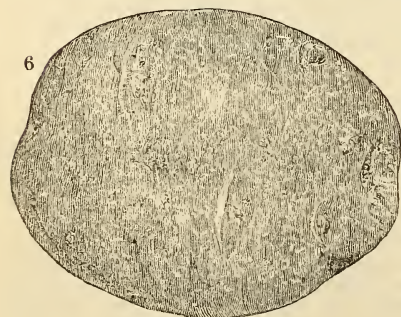
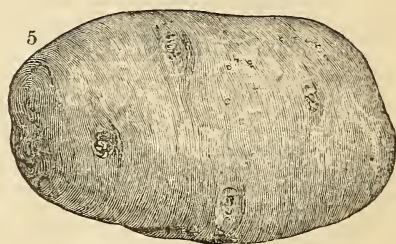
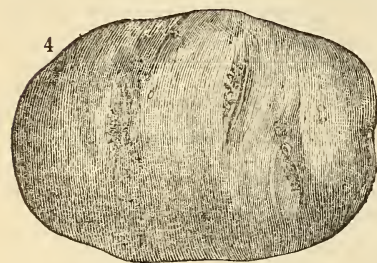
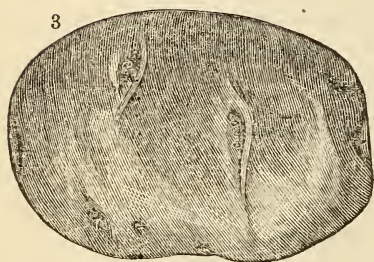
<b>Champion of England.</b> One of the best and most popular wrinkled varieties in cultivation, of delicious flavor; a profuse bearer; height, 5 feet.....	10	30	6 00
<b>Telephone.</b> This new variety is one of the finest tall wrinkled marrows yet introduced. It is immensely productive, of the finest quality, and excellent sugary flavor; vines very strong, averaging 13 to 20 pods per stalk; the pods are of a large size and closely packed with large delicious peas; height, 4 feet.....	20	1 00	24 00
<b>Hair's Dwarf Green Mammoth.</b> A fine-flavored wrinkled marrow, the peas are of extra large size; height, 2½ feet.....	10	50	10 00
<b>Veitch's Perfection.</b> A very large, delicious, green marrow variety, an excellent cropper; height, 4 feet.....	10	50	12 00
<b>Yorkshire Hero.</b> A splendid wrinkled marrow for <i>market and kitchen gardens</i> ; of branching habit, abundant cropper, and excellent quality; height, 2½ feet.....	10	40	8 00
<b>Laxton's Fillbasket.</b> A large, handsome, prolific variety, pods long, round, and closely filled; for a late crop it has few equals; height, 3 feet.....	10	50	10 00
<b>Dwarf Blue Imperial.</b> A favorite summer <i>market gardener's variety</i> ; good bearer, and of fine flavor; height, 3 feet.....	10	30	6 00
<b>Large White Marrowfat.</b> A favorite late <i>market variety</i> , with broad, well-filled pods; height, 5 feet.....	10	20	3 50
<b>Black-Eyed Marrowfat.</b> This and the <i>White Marrowfat</i> are extensively grown as field peas, hardy, productive, and well-filled pods; height, 4 feet.....	10	20	3 00
<b>Early Dwarf Wrinkled Sugar.</b> A French wrinkled variety, with edible pods, when young and tender, of excellent quality; height, 2½ feet.....	10	60	16 00
<b>Dwarf Sugar.</b> Edible pods in the green state, when young and tender, of fine flavor; used like <i>Snap-Short Beans</i> , also as a shelled pea; height, 2 feet.....	10	50	12 00
<b>Tall White Sugar.</b> Large, long edible pods; used like the <i>Dwarf Sugar</i> ; height, 5 feet.....	10	60	16 00
<b>Tall Gray Seeded Sugar.</b> A purple blossom, edible pod variety; used as above; height, 5 feet.	10	60	16 00

## PEPPER.

*Peffer*, GER.      *Piment*, FR.      *Pimiento*, SPAN.

Pepper and Capsicum are tender annuals, used as a hot seasoning for soups and meats, the large varieties for pickling and pepper sauce; the mild sweet varieties are preferred for the latter purpose. Sow in hot-beds in March or April, or on a warm sheltered border in May, and when the season is favorable transplant in good, rich, mellow ground, in rows 2 feet apart and 18 inches in the rows; hoe frequently to keep down the weeds, and earth up a little at one or two hoeings.

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. BLISS' AMERICAN WONDER PEAS.

2. DREER'S EUREKA EXTRA EARLY PEAS.

3. EARLY BEAUTY OF HEBRON POTATO.

4. EARLY OHIO POTATO.

5. CLARK'S NO. 1 POTATO.

6. MAGNUM BONUM POTATO.

7. PRIDE OF AMERICA POTATO.



## PEPPER—Continued.

<b>Large Sweet Bell, or Mountain.</b> A large early variety, of mild flavor, rind thick and fleshy; the best for pickling and pepper sauce or filled as Mangos.....	Pkt.	Oz.	lb.
<b>Tomato, or Squash-Shaped.</b> A productive variety, of large size, somewhat flattened, and hotter than the above; fine for pickling or sauce.....	10	30	3 00
<b>Long Red Cayenne.</b> From 3 to 4 inches long, of a bright red color, very productive and hot, the Capsicum of commerce.....	10	35	3 50
<b>Long Yellow Cayenne.</b> The same as the above, except of a rich glossy yellow color.....	10	35	3 50
<b>Small Chili.</b> Red conical pods, about 2 inches long, very hot and prolific; used for seasoning.....	10	40	4 00
<b>Red Cherry.</b> A beautiful ornamental variety, fruit round, of a rich glossy scarlet color, very hot, and used for seasoning.....	10	40	4 00

Plants furnished in season; see list and prices under head of Esculent Roots and Plants.

## PUMPKIN.

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

They are now principally cultivated for dairy purposes. Sow in good soil in May, when the ground has become warm, in hills, 8 or 10 feet apart each way, or in fields of Corn about every fourth hill; plant at the same time with the Corn; always avoid planting near other vines, as they will hybridize. The Cashaw is generally preferred for cooking and making pies.

<b>Cashaw.</b> Long, yellow crook-neck, similar to the <i>Crook-neck Winter Squash</i> ; the best for table use or feeding stock; flesh yellow, solid, fine-grained, and sweet.....	Pkt.	Oz.	lb.
<b>Large Cheese.</b> One of the best for table use, productive, skin orange, flesh yellow and sweet.....	5	10	50
<b>Large Tours, or Mammoth.</b> A productive French variety, which grows to an immense size, often weighing over a hundred pounds.....	5	20	2 00
<b>Connecticut, or Large Common Yellow Field.</b> A very productive, large yellow variety, and grown principally for feeding stock.....	Oz.	Qt.	Bu.
	5	25	5 00

## POTATO.

*Kartoffel*, GER.      *Pomme de Terre*, FR.      *Potata ó Papas*, SPAN.

The soil best suited to the Potato is that of a rich, sandy loam, but seems to thrive almost in any soil or climate not requiring heavily manured ground to insure a crop; in heavy soils and if heavily manured they are more liable to disease than in naturally good light soil. The best fertilizers are plaster, lime, super-phosphate of lime, and bone-dust, for heavy and wet soils especially, as they promote growth and at the same time prevent disease. Plant as early in the spring as the ground can be thoroughly worked, for a healthy, vigorous growth, and a crop free from rot, in hills or rows 3 feet apart, and in the rows 1 foot apart; covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep. Cultivate to keep down the weeds, and draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut potatoes, in a light warm room, from four to six weeks before planting, or in a hot-bed two weeks before they are wanted, then lift carefully and plant out; during this time you will procure strong, vigorous shoots, so that as soon as planted out in the open ground they will send out roots, and grow more rapidly than those treated in the ordinary way. If the Colorado Beetle makes its appearance the vines should be dusted with Paris Green thoroughly mixed with fifty parts of plaster, and applied while the dew is on the plants, with a Paris Green bellows or duster, or mix two tablespoonfuls of Paris Green to a bucket of water, stirring often to prevent it settling to the bottom, and apply with a syringe, small whisk or broom. This we know to be the most effective remedy.

<b>Early Ohio.</b> A seedling of the <i>Early Rose</i> , about a week earlier. It is round and oblong in shape, of vigorous growth, and excellent quality. Three lbs., \$1.00; by mail, prepaid.....	Pk.	Bu.	Bbl.
<b>Clark's No. 1.</b> This seedling is earlier than the <i>Early Rose</i> , yields a third more of a crop, and closely resembles it. It cooks mealy, is of excellent flavor, and in every way of first quality, and is a profitable variety for the farmer or market gardener. Three lbs., \$1.25; by mail, prepaid.....	1 00	2 50	6 00
<b>Early Beauty of Hebron.</b> Earlier than the <i>Early Rose</i> , very productive, of excellent quality, white fleshed, and will yield at least a quarter more, in this respect equalled by few of either early or late varieties. Three lbs., \$1.00; by mail, prepaid.....	75	2 00	5 00
<b>Magnum Bonum.</b> A new American variety, as early as the <i>Early Rose</i> , of excellent table qualities and a good late keeper, of great productiveness, free from disease, producing nearly all large-sized potatoes; baked or boiled are very mealy and white as snow. Three lbs., \$1.25; by mail, prepaid.....	1 00	2 50	6 00
<b>Watson's Seedling.</b> This new variety is as early as the <i>Early Rose</i> , more productive, and a better keeper; vines strong, healthy, foliage dark green, oblong tubers, large and uniform in size, eyes shallow, dry and mealy when cooked, of the very best eating quality. Three lbs., \$1.25; by mail, prepaid.....	1 00	2 50	6 00
<b>Early Rose.</b> A leading variety for earliness, quality and productiveness; best Northern seed. Three lbs., \$1.00; by mail, prepaid.....	75	2 00	5 00
<b>Queen of the Valley.</b> A medium early new variety, and one of the most productive in cultivation; very large tubers, long, flattened, somewhat square at the ends, color deep pink at the seed end, changing to almost white at the stem end; cooks mealy, without falling to pieces. Vines large, vigorous, protecting the ground from the sun's rays, and resisting disease better than most other kinds. Three lbs., \$1.25; by mail, prepaid.....	1 00	2 50	6 00

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.

## POTATO—Continued.

<b>White Star.</b> A new medium early variety of the very best quality and appearance. Baked or boiled, its color, floury texture and delicious flavor are unsurpassed. Large, oblong, uniform-sized tubers, remarkably productive, and has effectually resisted the blight; of excellent keeping qualities. Vines strong, foliage dense, of dark green color, and well calculated to resist the ravages of the Colorado Beetle. Three lbs., \$1.25; by mail, prepaid.....	Pk.	Bu.	Bbl.
<b>Early Snow-Flake.</b> Of medium size, eyes few, flesh snow-white, mealy when boiled, and of excellent quality. Three lbs., \$1.00; by mail, prepaid.....	1 25	3 00	7 00
<b>Pride of America.</b> This new variety closely resembles the well-known <i>Snowflake</i> , but is medium late, and is adapted to a greater variety of soils, more productive, grows to a larger size, produces but few small tubers, and so far has shown no signs of disease. Flesh exceedingly fine grained and of a snowy whiteness. An excellent keeper, and retains all its good qualities throughout the season. Three lbs., \$1.25; by mail, prepaid..	1 00	2 50	6 00
<b>Burbank's Seedling.</b> A white-skinned, medium early variety, with few eyes, but a little below the surface; flesh fine grained and of excellent flavor; producing a large crop of marketable potatoes. Three lbs., \$1.00; by mail, prepaid.....	75	2 00	5 00
<b>Mammoth Pearl.</b> This new medium late variety has become a great favorite. Of good quality, handsome appearance, free from rot, never hollow; skin and flesh white; cooks like a ball of flour; very productive and good keeper. Three lbs., \$1.25; by mail, prepaid.	1 00	2 50	6 00
<b>White Elephant.</b> This superb new late variety must become popular on account of its power of resisting disease, great productiveness, size, and fine keeping qualities; cooks well and is of excellent flavor. Three lbs., \$1.25; by mail, prepaid.....	1 25	3 00	7 00
<b>Yellow Nansemond Sweet.</b> The short, thick variety, which is the best for general culture.	75	2 00	5 50
<b>Red Sweet.</b> Short, thick, and hardiest variety. ( <i>Sweet Potatoes not mailable</i> .).....	75	2 00	5 50

Sweet Potato Plants of the above two varieties supplied from the 1st of May to the middle of June; 30 cents per 100; \$3 per 1000. For large quantities, prices will be given on application. (By mail, prepaid, 65 cts. per 100.) At the above prices, *express* and *freight* charges are to be paid by the purchaser, except where mentioned by mail.

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, on above and other varieties. Our Potatoes are all carefully selected and grown from the best NORTHERN STOCK. The foregoing are all of the best and leading varieties.

Novelties and Special Varieties in Potatoes, for 1883, will be found in our Supplement, following page 96 in this Calendar.

## RHUBARB.

Rhubarber, GER.

Rhubarbe, FR.

Ruibarbo Bastardo, SPAN.

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, in drills 1 foot apart; when 3 or 4 inches high, thin out in the rows to 10 inches apart, and transplant the ensuing autumn or spring to any desired situation, in a deep, rich soil. To grow the stalks to perfection, the ground must be dug and heavily manured, at least 2 feet deep. Set out the roots 3 feet apart each way, and the following spring it will be fit for use. In the fall the bed should have a thick dressing of coarse manure, which is to be dug into the ground in the spring. As no dependence can be placed upon growing the varieties true from seed, it is recommended to those who desire a choice article to procure the roots, which can be set out either in the fall or spring as above described.

<b>Linnæus.</b> Early, large, tender, and very fine.....	Pkt.	Oz.	lb.
<b>Victoria.</b> Very large; the finest cooking variety.....	\$0	5 20	2 00
		5	20 2 00

Roots of the above varieties, each 20 cts.; \$2 per doz.; \$10 per 100; by mail, 30 cts. each, and \$3 per doz.

## RADISH.

Rettig, oder Radieschen, GER.

Radis, Rave, petite et longue, FR.

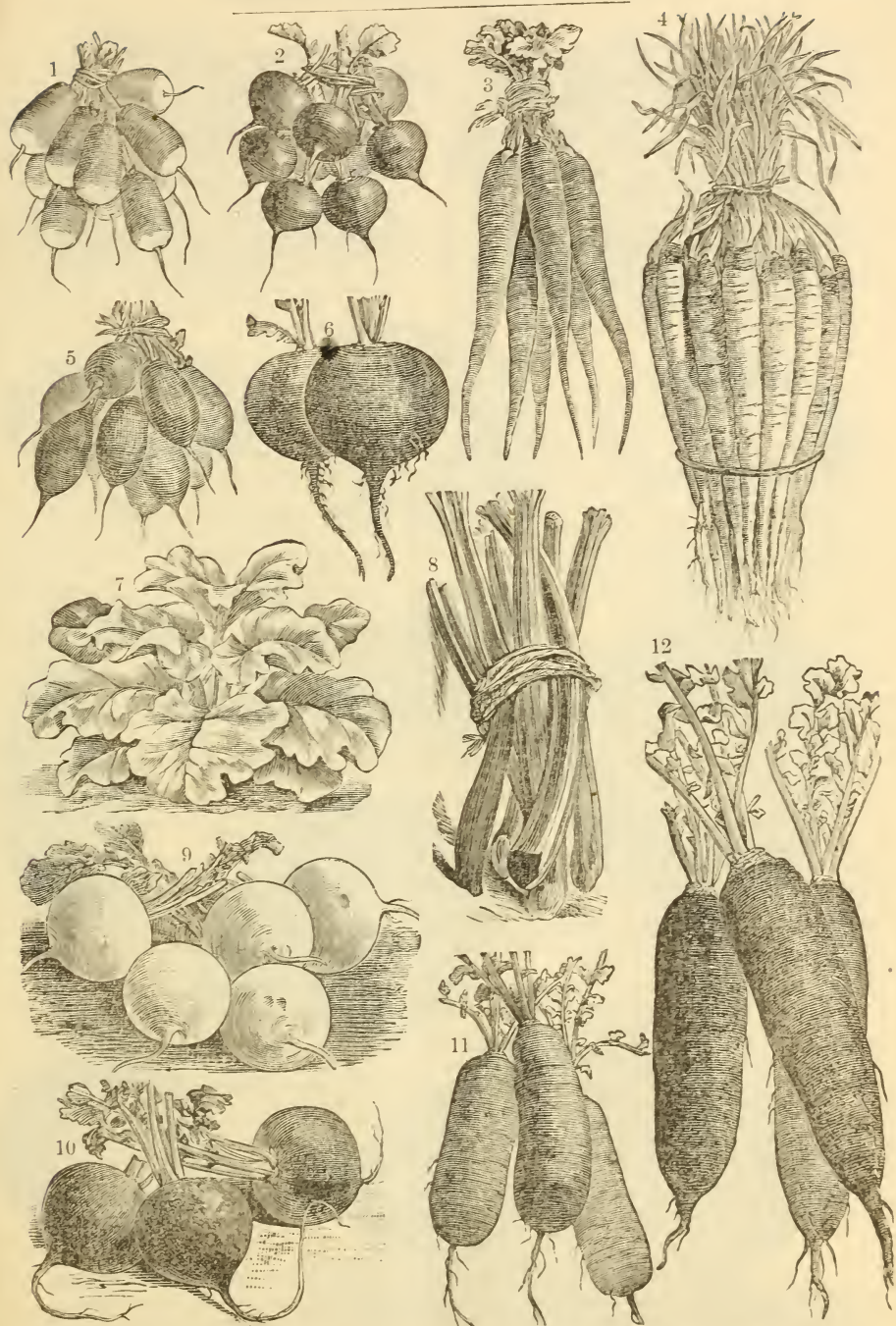
Rábano, SPAN.

Radishes thrive best in a light, rich, mellow soil, to make a quick and tender growth, and to bring out their mild qualities; heavy or clayey soils not only delay their growth, but produce a much inferior crop in appearance and flavor. Sow the early varieties, for very early use, in hot-beds during the winter and early spring, or later on sheltered borders, as soon as the ground can be worked, in well-manured, deeply-dug, and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough; sow in drills 10 inches apart, and thin to 2 inches in the rows, and at intervals of two or three weeks until September for a succession. As soon as the first leaves appear, sprinkle with soot, wood ashes, or air-slacked lime, to save them from the little black *Cabbage and Turnip fly*. The winter varieties should be sown in July and August; like the *Turnip* they make their best growth in the autumn, and must be taken up before severe frost, and stored away in a cool cellar in sand, or a pit, where they will keep tender and crisp all winter; before using put in cold water, which adds to their freshness.

<b>Extra Early Round Red.</b> One of the earliest and best of the <i>Turnip</i> varieties for forcing; very short-leaved, small top; color of skin dark red, white-fleshed, with a very small tap-root....	Pkt.	Oz.	lb.
<b>Extra Early Round White.</b> Similar to the above in every respect, except its white skin.....	\$0	5 10	1 00
<b>Early Red Turnip.</b> A small, round, scarlet, turnip-shaped, small top variety, of quick growth, mild and crisp when young.....	5	10	1 00
<b>Early White Turnip.</b> Like the above, except of a white color.....	5	10	60
<b>Early Scarlet Olive-Shaped.</b> Of oblong shape, rose-colored flesh, tender and excellent.....	5	10	75
<b>Early French Breakfast.</b> Oblong shaped, rapid growth, very mild and tender, of a beautiful scarlet color, tipped with white.....	5	10	75
<b>Long Scarlet Short-Top, or Salmon.</b> The standard <i>family</i> and <i>market gardener's</i> variety; long, bright scarlet, with small top.....	5	10	60

The above seven varieties are best suited for forcing, of quick growth and producing small tops.

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1. EARLY FRENCH BREAKFAST RADISH.
2. EARLY RED TURNIP RADISH.
3. LONG SCARLET SHORT-TOP RADISH.
4. LONG WHITE SALSIFY, OR OYSTER PLANT.
5. EARLY SCARLET OLIVE SHAPED RADISH.

6. ROUND BLACK SPANISH WINTER RADISH.
- 7 and 8. VICTORIA RHUBARB.
9. LARGE TURNIP WHITE SUMMER RADISH.
10. LARGE TURNIP YELLOW SUMMER RADISH.
11. SCARLET CHINA WINTER RADISH.
12. LONG BLACK SPANISH WINTER RADISH.

## RADISH—Continued.

Large Turnip White Summer. The <i>market gardener's</i> favorite; of a large turnip-shape, white skin and flesh, very crisp and mild. (See illustrations.).....	Pkt.	Oz.	lb.
	\$0	5 10	80
Large Turnip Yellow Summer. Like the above, except of a bright russet-yellow color.....		5 10	80
Long White Naples Summer. An excellent long variety, flesh white, crisp and mild.....		5 10	80
The above three varieties are best adapted for summer sowing, standing the heat and drought better than any of the other varieties.			
Long Black Spanish Winter. A large, long variety, one of the hardiest, with dark green leaves, firm in texture, keeping until spring.....		5 10	60
Round Black Spanish Winter. Like the above, except round in form.....		5 10	80
Large White Spanish Winter. Of milder flavor than the black varieties.....		5 10	80
Scarlet China Winter. One of the best fall and winter varieties, a favorite with the <i>market gardeners</i> ; bright rose-color, flesh white, firm, and superior quality. (See illustration.)..		5 10	1 00
California White Winter. A mammoth variety, growing 12 inches long, white-fleshed, firm, and of excellent quality.....		5 15	1 25
The above five varieties are best for winter use, keeping firm and crisp until spring.			

## SALSIFY—Oyster Plant.

*Haferwurzels, oder Bocksbart, GER. Salsifs, FR. Ostra Vegetal, ó Barba Cabrana, SPAN.*

A fine vegetable, used and served as Carrots; or, after being boiled, made into cakes with paste and fried like oysters, which they resemble in flavor. Cultivate the same as Carrots and Parsnips; it is hardy, can remain in the ground all winter for early spring use, but should be taken up before they start growing; take up a supply to use during the winter. Succeeds best in a light, well-enriched, mellow soil, dug two spades deep. Sow early in the spring in drills 15 inches apart, 1 inch deep, and thin out to 6 inches apart in the rows; keeping clear of weeds.

Long White. The favorite <i>market variety</i> ; the tops can be used in the spring of the second year, dressed like <i>Asparagus</i> , making an excellent dish.....	Pkt.	Oz.	lb.
	\$0	5 20	2 00
Long Black, or Scorzonera. Resembling the above; cultivated exclusively for its root, and used in the same manner, but not so generally esteemed; scrape off the coarse rind, and soak the roots a few hours in cold water, before cooking, to extract their bitter taste.....		10 25	2 50

## SORREL.

*Sauerampfer, GER. Oseille, FR. Acedera, SPAN.*

Sow in April in a rich, mellow soil, in shallow drills 18 inches apart, and thin out the plants to 6 inches apart in the rows, keeping the flower stems cut off as they appear. It remains in the ground from year to year. The leaves possess a pleasant acid taste, cut and cooked like Spinach, or mixed with it, one-third Sorrel to two-thirds of Spinach; also good to mix with salads, to which it imparts an agreeable flavor.

	Pkt.	Oz.	lb.
Large Leaved Garden. Cultivated for its acidity and much used in salads. (See illustration)...	\$0	5 20	2 00

## SPINACH.

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

This is an important *market gardener's* crop, of easy culture. For spring and summer use, sow either broadcast or in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession, as it grows, thin out for use; keeping it clear of weeds. For winter and early spring use, sow in September, in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves. Sow the *New Zealand* variety in hills 3 feet apart each way, planting three or four seeds to the hill, or they can be started in heat and transplanted; it can be cut for use all summer.

Dreer's Round-Seeded Savoy. The hardiest large, Savoy-leaved, most curled and crimped variety, with thick, fleshy leaves, the best for family and market purposes, equally good for spring or fall sowing.....	Pkt.	Oz.	lb.
	\$0	5 10	40
Large Round-Leaved Savoy. Round-seeded, thick, fleshy leaves, and crimped; one of the <i>market gardeners'</i> favorites for spring or fall sowing.....		5 10	35
Long Standing Round-Seeded. A new large Savoy, crimped, thick fleshy leaved variety; will stand two weeks longer than any other sort before shooting to seed; the very best for spring sowing, on account of seeding so late.....		10 15	1 00
Flanders. A hardy broad-leaved, round-seeded variety, but not crimped.....		5 10	40
Prickly Seeded, or Fall. The hardiest variety; having smaller leaves, is not so productive as the above sorts.....		5 10	40
New Zealand. This variety endures the heat and drought of summer, and is the best for that purpose, producing a large quantity of leaves throughout the season....		5 15	1 00

## SQUASH.

*Rüchekürbis, GER. Courge, FR. Calabasa Tontanera ó Cidracyote, SPAN.*

Squashes are of luxurious and rapid growth, but very tender; they will not stand any frost or cold nights, and should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in light well-manured hills in the same manner as Cucumbers and Melons—the bush varieties 3 or 4 feet apart each way, and the running kinds from 6 to 8 feet. Eight to ten seeds should be sown in each hill, thinning out, after they have attained their rough leaves, and danger from bugs is over, leaving three or four of the strongest plants per hill.

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



- |   |  |
|---|--|
| <p>1. DREER'S ROUND-SEEDED SAVOY SPINACH.<br/>                 2. LARGE LEAVED GARDEN SORREL.<br/>                 3. EARLY RED, OR PURPLE TOP FLAT TURNIP.<br/>                 4. EARLY WHITE SCOLLOP BUSH SQUASH.<br/>                 5. EARLY WHITE FLAT DUTCH TURNIP.<br/>                 6. LONG YELLOW CROOK-NECK BUSH SQUASH.</p> | <p>7. EXTRA EARLY PURPLE TOP MUNICH TURNIP.<br/>                 8. IMPROVED YELLOW PURPLE TOP RUTA BAGA, OR SWEDISH TURNIP.<br/>                 9. YELLOW GLOBE, OR AMBER TURNIP.<br/>                 10. HUBBARD SQUASH.<br/>                 11. BUTMAN SQUASH.</p> |
|---|--|

## SQUASH—Continued.

	Pkt.	Oz.	lb.
Early White Scollop Bush. The best early variety for market or shipping; it grows to a large size, scolloped like a <i>Patty-pan</i> , and bearing an abundant crop.....	\$o	5 10	8o
Early Golden Scollop Bush. Like the above, only of a golden color.....		5 10	8o
Long Yellow Crook-Neck Bush. Early, productive, and of good quality; skin orange yellow, covered with warty excrescences.....		5 10	8o
The above three kinds are for summer use, and should be used when the skin is tender.			
Perfect Gem. This new squash possesses the excellent qualities of both the summer and winter varieties combined, and can be used for either purpose. It is of a creamy white color, thin skin, fine grained, sweet and rich flavor; a free grower, very productive, and a good keeper.....		10 25	2 5o
Boston Marrow. About ten days later than the <i>Bush</i> varieties; a good keeper, of excellent flavor, flesh orange colored and fine-grained.....		5 10	1 0o
Hubbard. A general favorite, and one of the best late table varieties; of large size, flesh fine-grained, dry, and of excellent flavor.....		5 10	1 0o
Butman. This new variety is fine-grained, dry, and of excellent flavor, having all the good qualities of the <i>Hubbard</i> and summer varieties combined.....		5 10	1 0o
Marblehead. Resembling the <i>Hubbard</i> , but of a lighter color, and is remarkable for its sweetness, dryness, and delicious flavor, as well as its keeping qualities.....		5 10	1 0o
American Turban, or Turk's Cap. Flesh orange-yellow; thick, fine-grained, and of a good flavor; an excellent variety for fall and early winter use.....		5 15	1 25
The above six sorts are for fall and winter use, and should not be used until ripe, when the skin has become hard.			

## TOMATO.

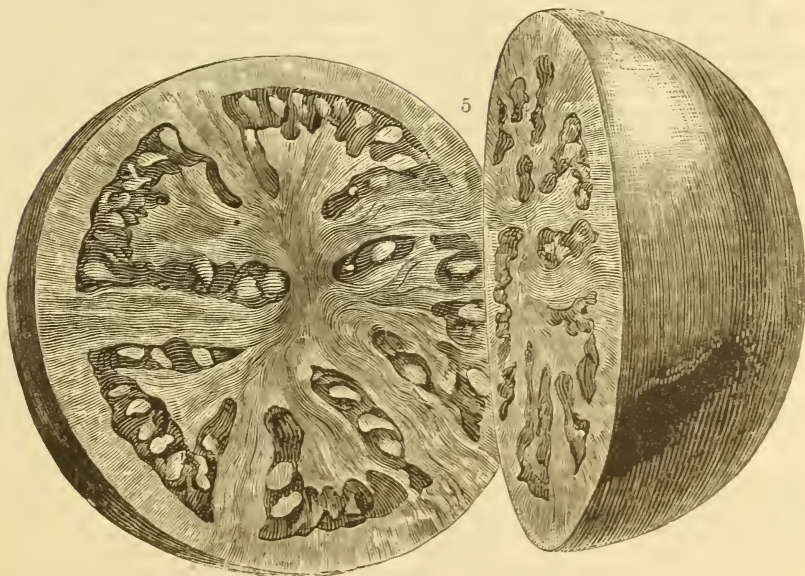
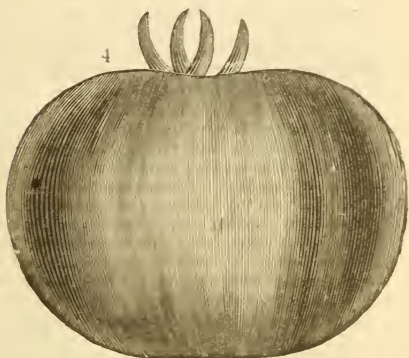
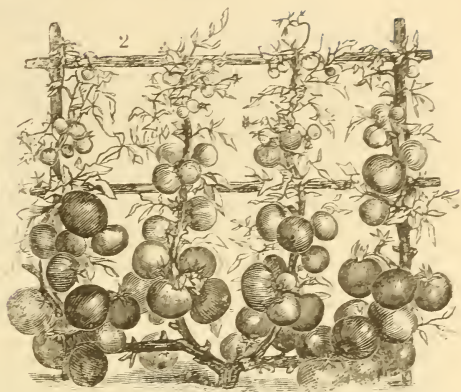
*Liebesäpfel*, GER.*Tomate*, FR.*Tomate*, SPAN.

This has become one of the most important of all garden vegetables, and can be prepared in many ways for family use throughout the whole year. For early plants sow in hot-beds early in March, in drills 5 inches apart and  $\frac{1}{2}$  inch deep; when the plants are about 2 inches high, transplant into another hot-bed 4 inches apart each way, or in small pots, placing one plant in each pot, and set into the hot-bed, by which process the plants are rendered more sturdy and branching, and plant out in the open ground early in May, or as soon as danger from frost is over, 4 feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with the soil. Water freely at time of transplanting, and shelter from the sun for a few days, until the plants are established; when the first fruit is set, pinch off the ends of the branches to obtain early ripe fruit. Sufficient plants for a small garden can be grown in a shallow box or a large flower-pot, by placing it in a sunny window of a warm room or kitchen. 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 their ornamental appearance, than if they were allowed to grow wild on the ground. Our Tomato Seeds are saved with extra care, and cannot fail to give satisfaction.

	Pkt.	Oz.	lb.
Little Gem. The earliest variety, vines of medium length and compact growth, loaded with bright red fruit of medium size, round and uniform shape.....	\$o	10 40	4 0o
Early Conqueror. A very early variety, ripening well up to the stem nearly all at the same time, fruit of good uniform size, deep red, smooth, solid, and of rich, mild flavor.....		5 25	2 5o
General Grant. An early superior <i>market variety</i> , crimson and smooth, flesh solid, fruit large, of good quality and ripens rapidly and thoroughly.....		5 25	2 5o
Early Acme. This early popular variety is one of the best for the family, market or canning; ripens evenly, of medium uniform size, round, very solid, of a pinkish color, very productive, and bearing until killed by frost.....		5 30	3 0o
Livingston's Perfection. This new variety is shaped like the <i>Acme</i> , somewhat larger, the same flavor, fully as early, perfectly smooth, solid, almost round, blood-red in color, with more flesh and fewer seeds, ripening all through at the same time; a heavy cropper, and produces more and larger fruit at the close of the season.....		10 40	4 0o
Mayflower. This new variety is one of the earliest of the large kinds in cultivation, at least one-third larger than the <i>Early Acme</i> ; of a bright red color, ripens evenly up to the stem, and presents a beautiful appearance, shape globular, slightly flattened, perfectly smooth, flesh solid and unusually free from seeds, of rich flavor, very productive until killed by frost.....		15 60	6 0o
Hathaway's Excelsior. Early, of medium size, smooth as an apple, very solid and of excellent quality in every way; one of the best for family use or canning.....		5 30	3 0o
Early Paragon. A second-early variety of great merit, producing until the vines are killed by frost; ripens evenly, very solid, of a dark-red color and delicious flavor; heavy foliage, therefore it does not sunburn, and is the favorite market and canning variety.....		5 30	3 0o
Dreer's Selected Trophy. One of the very best in cultivation; our seed is saved only from the finest ripe specimens, which for size, smoothness, solidity and excellent flavor, are unsurpassed for all purposes. It is one of the gardeners' favorites.....		10 40	4 0o
Fejee Island, or Lester's Perfected. Fruit of very large size, pinkish color, solid, of good flavor, late in ripening, excellent for family use or canning.....		5 30	3 0o
Large Smooth Red. A large, smooth, round, bright red variety, productive and of good quality.....		5 20	2 0o
Large Yellow. A large, smooth, round, bright yellow variety, with firm flesh.....		5 30	3 0o
Yellow Plum. Shape uniformly oval, of small size, smooth, of a lemon-yellow color; used only for preserving and pickling.....		5 30	3 0o
Red Plum. Similar to the above in every respect, except of a beautiful red color.....		5 30	3 0o
Red Cherry. A small red variety, in shape and size of a cherry; grown mostly for pickling.....		5 30	3 0o

Plants furnished in season; see list and prices under head of Esculent Roots and Plants.

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



1 and 2. DREER'S SELECTED TROPHY TOMATO.  
 3. LIVINGSTON'S PERFECTION TOMATO.

4. EARLY PARAGON TOMATO.  
 5. EARLY ACME TOMATO.

TURNIP.

*Steckrübe*, GER.

*Navet*, FR.

*Nabo Comun*, SPAN.

This wholesome vegetable has been grown as a field and garden crop for a long time, and should be one of our main farm productions for family use as well as for cattle and sheep.

It delights in a light, rich, sandy loam, which has been well manured. For early use, sow the early varieties as soon as the ground opens in the spring, in drills, from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows, or if sown broadcast they will produce a fine crop, but not as large as if sown in drills. As soon as the first leaves appear, sprinkle with soot, wood-ashes, or air-slaked lime, to destroy the little black fly, which will devour the plants if not attended to in time; keep the ground well stirred and clear of weeds. For a succession continue to sow every two weeks until June, then discontinue until the middle of July; for a fall and winter crop sow on Potato ground, but do not make your last sowing any later than the 1st of September.

The Ruta Baga, Swedish, or Russian varieties, are grown principally for feeding stock, and are also excellent for the table early in the spring. Sow in drills 2 feet apart, from the middle of June until the first of August; and when large enough to resist the attack of insects, thin out to stand 8 or 10 inches apart in the rows; cultivate to keep clear of weeds.

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 or before severe frosts; though comparatively hardy, few will survive the winters of the Northern States in the open ground; 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 a conical form, out of doors, in dry ground; cover carefully with long straw, and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the dampness, and 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.

	Pkt.	Oz.	lb.
<b>Extra Early Purple Top Munich.</b> This new distinct variety is at least two weeks earlier than any other in cultivation. It is of a handsome appearance, somewhat flattened, white with purplish top, flesh snow-white, fine grained, and most delicate flavor. (See illustration).....	\$0	10	20 2 00
<b>Early White Flat Dutch.</b> An early, white-fleshed, strap-leaved variety, usually sown for early summer use, very early in the spring; of quick growth, mild flavor, and excellent quality; also grown for a fall crop.....		5	10 60
<b>Early Red, or Purple Top Flat.</b> This strap-leaved variety is similar to the above, except the top, which is red or purple above ground; they are the two popular varieties for garden and field culture; flesh fine-grained, of mild flavor, and a good keeper.....		5	10 60
<b>Early White Egg.</b> A new egg-shaped variety, for spring or fall sowing, flesh white, firm, fine-grained, mild and sweet; an extra keeper, in every respect a first-class table and market sort.		5	10 70
<b>Teltow, or Berlin.</b> A small variety, of delicate flavor in the outer rind, and should not be peeled when used; highly esteemed for flavoring soups; the roots are spindle-shaped, and grow entirely under the ground; early, white-fleshed, sugary, and fine-grained.....		5	10 70
<b>Pomeranian White Globe.</b> A free-growing, rough-leaved variety, useful for table and feeding stock; not as early as the flat varieties, productive, hardy, and a splendid autumn sort.....		5	10 50
<b>Large White Norfolk, or Globe.</b> A large growing, globe-shaped variety, flesh coarse-grained and sweet; one of the best early for feeding stock.....		5	10 50
<b>Long White, or Cow Horn.</b> Grows very quickly, partly above ground; very productive, flesh white, fine-grained and sweet, of excellent quality, for family and market gardeners' use.		5	10 50
<b>Long White French, or Sweet German.</b> A long white superior variety, both for table use or feeding stock; productive, sweet, mild, flesh white and solid; sow in June and July.....		5	10 50
<b>Robertson's Golden Ball, or Orange Jelly.</b> A rapid grower, of excellent flavor, globe-shaped, bright yellow color, good keeper, and a superior table variety, or for stock.....		5	10 70
<b>Yellow Globe, or Amber.</b> One of the best for a general crop, flesh firm and sweet, grows to a large size, excellent for table use or feeding stock; and keeps well until late in the spring..		5	10 60
<b>Yellow Aberdeen, or Scotch.</b> Hardy, productive, and a good keeper; globe-shaped, yellow, flesh firm; good for table use or feeding stock.....		5	10 60
<b>Improved Yellow Purple Top Ruta Baga, or Swedish Turnip.</b> The leading market variety, and principally grown for stock as well as for family use; hardy, productive, flesh yellow, solid, sweet, fine-grained, and of good flavor.....		5	10 60
<b>Golden Globe Ruta Baga.</b> One of the best and sweetest of the <i>Swedish Turnips</i> , for family use, also good for feeding stock; flesh yellow, and of excellent flavor.....		5	10 60
<b>Seven Top, or Forester.</b> The hardiest <i>Southern Greens</i> , standing the winter as far north as Philadelphia; producing an abundance of foliage to boil with cured meats, etc.....		5	10 70

POT, SWEET, AND MEDICINAL HERB SEEDS.

Herbs, in general, delight in a rich, mellow soil. Those marked with an \* are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow the seeds early in the spring in shallow drills, 1 foot apart; 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, meats, 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, so as to exclude the air entirely from the herbs.

	Pkt.	Oz.	lb.
<b>Anise</b> ( <i>Pimpinelle anisum</i> ). Used for cordial, garnishing and flavoring.....	\$0	5	10 1 00
<b>*Balm</b> ( <i>Melissa officinalis</i> ). Used for tea or balm wine; height, 1 foot.....		5	50 .....
<b>Balsam Apple</b> ( <i>Momordica balsamina</i> ). Running vine. For ornament and medicinal use.....		5	50 .....
<b>Balsam Pear</b> ( <i>Momordica charantia</i> ). Running vine. For same as the above.....		5	50 .....
<b>Basil, Sweet</b> ( <i>Ocimum basilicum</i> ). The leaves and tops of the shoots are gathered, used for soups, stews, and sauces; height, 1 foot.....		5	20 2 00

Remit for postage, 16 cts. per pound, or 25 cts. per quart or fraction thereof, when ordered to be sent by mail.



POT, SWEET, AND MEDICINAL HERB SEEDS—Continued.

	Pkt.	Oz.	lb.
Bene ( <i>Sesamum orientale</i> ). Used medicinally; height, 18 inches.....	\$0	5	20 2 00
Borage ( <i>Borago officinalis</i> ). Excellent for bees, etc.; height, 3 feet.....		5	20 2 00
*Caraway ( <i>Carum carvi</i> ). Grown principally for its seed for confectionery and medicine, also flavoring purposes; height, 2 feet.....		5	10 1 00
Castor Oil Bean ( <i>Ricinus communis</i> ). For ornament and medicine; height, 6 feet.....		5	20 2 00
Coriander ( <i>Coriandrum sativum</i> ). Grown for its seed, also for garnishing; height, 2 feet.....		5	15 1 50
Cumin ( <i>Cuminum Cyminum</i> ). Good for pigeons, etc.....		5	15 1 50
Dill ( <i>Anethum graveolens</i> ). The leaves are used in soups, sauces and pickles; also the seed for flavoring; height, 3 feet.....		5	15 1 50
*Fennel, Sweet ( <i>Anethum feniculum</i> ). The leaves are ornamental; when boiled they are used in fish sauces; height, 6 feet.....		5	15 1 50
*Horehound ( <i>Marrubium vulgare</i> ). Used medicinally; height, 2 feet.....		5	50
*Lavender ( <i>Lavendula vera</i> ). An aromatic medicinal herb; height, 2 feet.....		5	20 2 00
Marigold, Pot ( <i>Calendula officinalis</i> ). For flavoring and medicine; height, 1 foot.....		5	30 3 00



SWEET BASIL. SAGE. SWEET MARJORAM. SUMMER SAVORY. FRENCH THYME.

Marjoram, Sweet, American ( <i>Origanum marjoram</i> ). Sweet Marjoram grown from American seed is best for winter use for seasoning, to dry and rub up fine, as it makes more bulk and is more profitable, even at double the cost of imported seed; height, 1 foot.....	\$0	10	50 5 00
Marjoram, Sweet, Imported. Imported seed is best to cut when green for summer use, as it grows more vigorous, and produces numerous leaves; height, 1 foot.....		5	25 2 50
Opium Poppy (White Seeded) ( <i>Papaver somniferum</i> ). Used medicinally; height, 3 feet.....		5	15 1 50
*Rosemary ( <i>Rosemarinus officinalis</i> ). An aromatic and ornamental herb, height, 4 feet.....		5	50
*Rue ( <i>Ruta graveolens</i> ). For medicinal purposes, good for fowls for the croup; height, 3 feet.....		5	25
*Sage ( <i>Salvia officinalis</i> ). The tender leaves and tops are used in sausage, stuffing and sauces; height, 18 inches.....		5	20 2 00
Savory, Summer ( <i>Satureia hortensis</i> ). For seasoning purposes; height, 1 foot.....		5	20 2 00
*Savory, Winter ( <i>Satureia montana</i> ). For same as the above.....		5	40
*Tansy ( <i>Tanacetum vulgare</i> ). For medicinal use; height, 3 feet.....		5	50
Thyme, French Summer ( <i>Thymus vulgaris</i> ). Used for seasoning; height, 1 foot.....		5	50 5 00
*Wormwood ( <i>Artemisia Absinthium</i> ). Used medicinally, beneficial for poultry, and should be planted in poultry yards.....		5	50

Remit for postage on Herbs, 16 cts. per pound, or fraction thereof, except packets or ounces, when ordered to be sent by mail.

ESCULENT ROOTS AND VEGETABLE PLANTS.

We furnish in their proper seasons for planting out in the garden or field the following roots and plants. We grow and winter over in cold frames, Cabbage and Cauliflower Plants, for early spring planting, which mature sooner than hot-bed sown plants; they being hardened off stand the cold, and are ready to plant out at any time, from February until the middle of April; after the 15th of April we supply only the hot-bed grown plants, and the Late Field Grown Plants are ready for planting out in June and July. For large quantities of any of the following varieties, special prices will be given on application.

Jerusalem Artichoke Roots, Asparagus Roots, Onion and Garlic Sets, Potatoes, and Sweet Potato Plants and Rhubarb Roots, will be found under their respective heads in the preceding pages.

**Chives.** A hardy perennial, somewhat resembling the Onion; producing round, slender leaves, very early in the spring, and can be cut several times during the season; equal to Onions, for flavoring soups, salads, etc. Per clump, 25 cts.; per doz., \$2.50. By mail, 40 cts. each.

**Hop-Vine Roots.** Per doz., 50 cts.; per 100, \$2.50. By mail, 75 cts. per doz.

**Horse-Radish Roots, or Sets.** One of the most important and profitable of our market garden crops. The sets may be planted at any time during the spring, in rows 2 feet apart, and in the rows 18 inches apart, planting the roots upright and covering them about 2 inches; hoe or cultivate to keep down the weeds. For winter use, take up in November, store away in the cellar, and cover with sand. Per doz., 20 cts.; per 100, 60 cts.; per 1000, \$5. By mail, 30 cts. per doz., and \$1.25 per 100.

**Tarragon Roots.** For flavoring purposes; the young leaves are used for pickles, vinegar, etc., imparting a delightful flavor. Each, 30 cts.; per doz., \$3. By mail, 40 cts. each.

Remit for postage on Vegetable plants, 15 cts. per dozen, and 50 cts. per 100, when ordered to be sent by mail.

ESCULENT ROOTS AND VEGETABLE PLANTS—Continued.

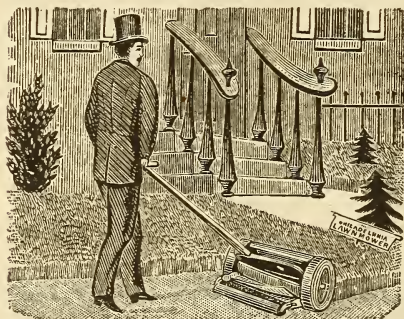
Cabbage Plants. Dreer's Large Early York, Early Jersey Wakefield, Early French Ox-heart, Early Winnigstadt, and Early Improved Flat Brunswick, wintered over in cold frames. Deliverable from February to the middle of April. Each variety.....	Per doz	Per 100.	Per 1000.
Spring Plants of the above, grown in hot-beds, deliverable after the 15th of April.....	\$0	1 25	10 00
Large Late Drumhead, Large Late Flat Dutch, Perfection Drumhead Savoy, and Red Drumhead. Field Crown Plants, which are ready for planting in June and July.....	.....	40	3 00
Cauliflower. Dreer's Selected Dwarf, Erfurt, and Lenormand's, Short-Stem, wintered over in cold frames. Ready at the same time as the Cabbage.....	1 00	6 00	.....
Hot-bed Crown Plants are deliverable at the same time as the Cabbage.....	40	1 50	10 00
Celery. Dreer's Large White Solid, Boston Market Dwarf, Henderson's Half Dwarf White, and Dwarf Golden Heart. The plants are ready to set out, from the first of July to the middle of August.....	.....	75	5 00
Lettuce Plants. Early Dutch Butter Spotted and Hanson. Ready in April.....	15	50	.....
The following varieties should not be planted out while in any danger of frost:			
Egg Plants. New York Improved Large Purple. Grown in Pots.....	1 00	6 00	.....
The above out of hot-beds (not pot-grown).....	60	4 00	.....
Pepper Plants. Large Sweet Bell, or Mountain.....	30	2 00	15 00
Tomato Plants. Early Acme, Early Perfection, Mayflower, Early Paragon, Dreer's Selected Trophy, and Fejee Island.....	30	2 00	15 00

Remit for postage on Vegetable plants, 15 cents per dozen, and 50 cents per 100, when ordered to be sent by mail.

GRASS, MILLET AND CLOVER SEEDS.

Prices subject to variation, to correspond with the market, especially those marked "about," as they fluctuate in price; quotations will be given on application. Our Grass and Clover Seeds are all of the best quality, and thoroughly cleaned.

**In Forming New Lawns.**—Prepare the ground well before laying down a lawn, which is frequently imperfectly done; the best soil for that purpose is a rather stiff or heavy loam, and should be as much alike in quality as possible over the whole surface, and do not stint the required quantity of seed necessary to make a fine thick sod. We give the following directions, as so much depends upon the condition of the ground and time of sowing for success: first get the ground in the desired shape and grade, taking care when hills are removed that sufficient sub-soil is taken off, so as to replace it with good top-soil, at least to the depth of 6 inches all over the surface of the lawn; when the grading is finished the ground should be drained wherever necessary, thoroughly plowed, sub-soiled, and harrowed, until completely pulverized, removing all stones, roots, etc., so as to obtain an even and smooth surface, and if there are any steep slopes facing the south, or other exposed places, let the earth on them be better than on the level ground, for the aspect and other causes render such places more liable to burn with less sun than the level places; applying three hundred pounds of fine bone dust or Star Bone Phosphate per acre, avoiding stable manure, as it always contains weed seeds. The lawn being ready, sow the seed in March, April or May, but the earlier in the season you can prepare the soil and sow, the better, using four bushels of Dreer's best *Lawn mixture* to the acre; or if you cannot prepare and get your ground in readiness in the spring, the seed can be sown in September and still produce a fine lawn. When the seed and fertilizer are sown, apply a light harrow, and after that give it a thorough rolling, so as to have as even a surface as possible. If the seed is sown late in the season, a sprinkling of *Oats* should be sown at the same time, to protect the young grass from the sun. For small plots, digging, trenching and raking must be done, instead of plowing, sub-soiling and harrowing. The lawn, which adds so much to the neatness of the garden, may be extended or limited in size, but should always be well prepared and neatly kept by frequent cutting, which can be so readily done with the Philadelphia Lawn Mower, with such ease and comfort, that it is a pleasure rather than a burden, and should be done every week or two throughout the season. It should, however, here be observed that the lawn cannot long be maintained in good order without successive rollings.



Philadelphia Lawn Mower, with such ease and comfort, that it is a pleasure rather than a burden, and should be done every week or two throughout the season. It should, however, here be observed that the lawn cannot long be maintained in good order without successive rollings.

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.

	Weight per bu.	Qt.	Bu.
Dreer's Best Mixed Lawn Grass. Our finest and best mixture of neat, compact growing varieties, producing a fine sward.....	14 lbs.	\$0 25	\$5 00
Mixed Lawn Grass. A good mixture of fine varieties.....	14 lbs.	20	4 00
Extra Clean Kentucky Blue Grass ( <i>Poa pratensis</i> ). Also known as June Grass, valuable for lawns, separate or mixed with other varieties; thrives best in a dry soil, retaining its verdure in the hottest weather.....	14 lbs.	16	2 50
Extra Fancy Triple Cleaned Blue Grass ( <i>Poa pratensis</i> ). The same as the above, except that it is of the highest grade in cleaning; fine for lawns or croquet grounds, separate or mixed with other grasses.....	14 lbs.	20	3 00
Natural Green Grass ( <i>Poa pratensis</i> variety). One of our finest grasses for lawns or croquet grounds, either separate or mixed with other varieties.....	14 lbs.	25	5 00

Postage on Grass and Clover Seeds: Remit in addition to price, 16 cts. per lb., and 30 cts. per qt., except on all the light varieties, which do not weigh over 25 lbs. per bu., on which remit 15 cts. per qt. additional to prepay postage.

## GRASS, MILLET AND CLOVER SEEDS—Continued.

	Weight Per bu.	Qt.	1in.
Herd, or Red Top Grass ( <i>Agrastis vulgaris</i> ). A valuable native permanent grass, as a mixture in meadows, pastures or lawns, growing in almost any soil, moist or dry, and standing our hot climate.....	10 lbs.	\$o 10	1 50
The same in sacks of 50 lbs. for \$6.00.			
English Rye Grass ( <i>Lolium perenne</i> ). A nutritious permanent grass for meadows and pastures; also for mixing with other grasses for lawns.....	24 lbs.	20	3 50
Italian Rye Grass ( <i>Lolium Italicum</i> ). Thriving in any soil, yielding an early and abundant crop, or mixing with other pasture grasses.....	18 lbs.	20	3 00
Sweet Vernal Grass ( <i>Anthoxanthum odoratum</i> ). Useful to mix with other grasses for pastures or lawns, on account of its early growth and emitting an agreeable odor when cut for hay. Sow 3 bushels to the acre. Per lb., 60 cents.....	10 lbs.	25	5 00
Wood Meadow Grass ( <i>Poa nemoralis</i> ). This variety is particularly adapted for pleasure grounds and lawns under trees, where few other grasses can exist, and forms a fine sward; also fine for pastures, under close feeding, producing early nutritive grass. Sow 28 lbs. to the acre. Per lb., 40 cents.....	14 lbs.	25	5 00
Orchard Grass ( <i>Dactylis glomerata</i> ). One of the most desirable pasture grasses for stock, of rapid growth and thriving in shady places, not so exhaustive to the soil as Timothy. Price about.....	12 lbs.	20	2 50
Tall Meadow Oat Grass ( <i>Avena elatior</i> ). A valuable grass for soiling or permanent pasture; early, luxuriant growth, producing an abundant supply, which is relished by cattle, early or late; also makes splendid hay. Sow 4 bushels to the acre.....	14 lbs.	20	3 50
Timothy ( <i>Phleum pratense</i> ). The best quality of prime seed. A well-known nutritious grass, and on moist, peaty or clay soils it will produce a larger crop than any other variety, not being so well suited for light, sandy soils; also for mixing in grasses for permanent pasture. Price about.....	45 lbs.	20	3 50
Flint's Mixture. For permanent pasture lands; adapted to different soils. Sow 2 bushels to the acre.....	20 lbs.	20	4 00
German, or Southern Golden Millet Grass. It will grow in almost any soil; the yield in hay or seed is larger, all things being equal, than any other variety. In no case are the stalks hard, but are readily eaten by all kinds of stock. Medium early, 4 to 5 feet high, closely condensed heads, numerous spikes, seeds round, of a golden yellow. Price about.....	48 lbs.	16	2 25
Hungarian Millet Grass ( <i>Panicum Germanicum</i> ). One of the most valuable early productive annual soiling and forage plants, growing 2 to 3 feet high, with an abundance of foliage and slender heads, in any ordinary or light soil; withstands the drought well. Price about.....	48 lbs.	16	1 75
Common Millet Grass ( <i>Panicum Miliaceum</i> ). Very early, 2 to 3 feet high, foliage broad, heads open, branching panicles. Price about.....	48 lbs.	16	2 00
Millet should be sown in June and July, and are annual forage plants of quick growth, valuable for green fodder or hay, maturing in 50 to 75 days from the time the seed germinates, producing an abundant yield of forage, relished by all kinds of stock. They must be cut while in blossom to make good hay.			
Egyptian, East India, or Pearl Millet ( <i>Pennisetia spicata</i> ). The plants at first appear feeble, resembling broom corn, but when a few inches high they begin to stool and give from 10 to 25 stalks per plant. The stems at first are nearly prostrate until about 2 feet long, when they assume an upright position, growing from 8 to 10 feet high. When cultivated for fodder, the seed should be sown in drills 3 feet apart, and thinned out in the rows to 1 foot apart, in rich, well-manured ground, sowing about 3 to 5 lbs. per acre. It is fit to cut when 2 or 3 feet high. In the South it is sown in February or March, and cut about three times, until killed by frost. One of the best green soiling plants for horses and cattle known to the South. Weight, 50 lbs. per bushel.....		\$o 25	
Reana Luxurians ( <i>Teosinte</i> ). This gigantic grammaea of Central America somewhat resembles Indian Corn, and is a perennial in hot climates. In its perfection it produces a great number of shoots, growing 12 feet high, very thickly covered with leaves, yielding an abundance of forage. In the North a single seed will make from 12 to 16 stalks, when planted in the open ground, and from 25 to 30 if first started in a hot-bed. In the South it surpasses either Corn or Sorghum as a soiling or fodder plant. Planted 3 feet apart, it will cover the ground by autumn, with only ordinary culture. It is the coming forage plant for this latitude and particularly adapted to the South, and should be tried by all. Per oz., 30 cents.....			3 00
Bokhara Clover ( <i>Melilotus Alba</i> ). Affords excellent bee food throughout its season.....			50
White Dutch Clover ( <i>Trifolium repens</i> ). The best dwarf growing variety to sow on lawns, or to mix with lawn grass seed.....			40
Alsike, or Hybrid Clover ( <i>Trifolium hybridum</i> ). A new variety, productive, sweet and valuable for pasture or soiling.....			35
Lucerne, or French Clover ( <i>Medicago Sativa</i> ). Also known as "Alfalfa." Early, productive and lasting a number of years; succeeds in any good, deep soil. Recommended for the South, as it thrives on dry, rich sandy soil, producing 3 to 4 cuttings annually.....			40
Scarlet Clover ( <i>Trifolium Incarnatum</i> ). The most attractive of the Clovers, by its bright scarlet flowers, and is the latest variety, giving a desirable succession of green food. Sow in July for soiling or mowing before winter.....			36
Large Red Clover ( <i>Trifolium pratense</i> ). The best quality of clean prime seed. Price about, per bu. of 60 lbs., \$7.50; per qt., 30 cents.....			15

Postage on Grass and Clover Seeds: Remit in addition to price, 16 cts. per lb., and 30 cts. per qt., except on all the light varieties, which do not weigh over 25 lbs. per bu., on which remit 15 cts. per qt. additional to prepay postage.

## AGRICULTURAL AND MISCELLANEOUS SEEDS.

**FARM SEEDS, PRICES VARIABLE.** We give special attention to this branch of our business, to supply all seeds of the best quality, free from noxious weeds and strictly pure. Where the prices are "about," they are subject to the market fluctuations. Prices by the quantity will be given on application.

**Corn.** For our list of field varieties, see page 18.

	Qt.	Bu.
<b>Broom Corn, Improved Evergreen.</b> This variety is more cultivated than any other, on account of its color and quality of brush, as well as an abundant crop of seed; grows about 7 ft. high, brush of good length, fine and straight, and always of a green appearance when ripe; it brings the highest market price.....	20	3 50
<b>Broom Corn, Large California Golden.</b> One of the most popular kinds for making brooms; it has the advantage of not requiring to be bent down until ready to cut, as the brush has a leaf or sheath around its base, which keeps it from crooking or bending over; grows about 12 ft. high, brush long and very straight, of a green color, tipped with red when ripe.....	25	4 00
<b>Broom Corn, Dwarf.</b> This variety grows about 4 feet high, extra fine for making brushes or whisks. Sow 4 qts. of Broom Corn Seed of the above varieties to the acre.....	30	5 00
<b>Sugar Cane, Early Amber.</b> The earliest and most productive variety; of great value to our Northern States, as it ripens its seed before frost. Its saccharine matter is of first quality, fine and rich; it stands well and is not easily blown down; it grows to the height of 10 to 12 feet; the seed is relished by all kinds of stock. Makes sugar or syrup equal to any in the market. One of our best green fodder plants, producing from 2 to 3 cuttings during the summer. Sow 4 qts. in drills and 8 qts. broadcast, to the acre.....	20	3 00

**Field Peas, etc.** Sown for plowing under as a green manure, which is a common way of manuring in the Southern States, and can be practised North to a great advantage.

<b>Pea, White Southern Cow.</b> Also known as <i>Sand Pea</i> ; a small white variety with black eye. Sow 2 bu. to the acre.....	20	3 00
<b>Pea, Black Eye Marrowfat.</b> Very hardy and productive. Sow 3 bu. to the acre.....	20	2 50
<b>Tares, or Spring Vetches.</b> A good forage plant, also used as the above Peas for plowing under; sow 1 bu. to the acre.....	30	6 00
<b>Lupins, Yellow Field.</b> Grown extensively for <i>Green manure</i> ; also good for sheep. Sow the seed from April to June, and when the plants are in bloom plow under; they succeed on almost any impoverished or barren soil. Sow $\frac{1}{2}$ bushel to the acre.....	40	8 00

We recommend every one to plow under broadcast crops of Sugar Corn, Cow Peas, Red Clover, Yellow Lupins and Turnips, as *Green Manures*, which are very beneficial to the soil.

**Tobacco** is now becoming one of *Pennsylvania's* staple crops; in some counties it is almost as extensively grown as *Field Corn*, but requires good rich well-manured soil, to make a large and profitable growth. We offer the following *Select Varieties*, which are to be relied on as being of superior quality; 2 ounces of seed will produce plants enough for an acre. Book on Tobacco Culture mailed on receipt of 25 cents.

	Pkt.	Oz.	lb.
<b>Tobacco, Havana.</b> The best imported Seed.....	50	10 75	7 50
<b>Tobacco, Virginia.</b> Of the best quality, from <i>James River</i> .....	10	40	4 00
<b>Tobacco, Connecticut Seed Leaf.</b> One of the best varieties for Cigar wrappers.....	10	30	3 00
<b>Tobacco, Glessner Pennsylvania Seed Leaf.</b> The most noted selection grown in Lancaster county. It has a larger and finer leaf than the Connecticut, of a chestnut brown color, also producing a greater crop of handsome foliage.....	10	50	5 00

**Sunflower** is now considerably grown for its seed, as a food for poultry, and can be recommended for that purpose, as well as to be grown in damp places, where it is believed to prevent *Malarial Fever*.

	Qt.	Bu.
<b>Sunflower, Large Common.</b> Producing large flowers with an abundance of seed. Per oz., 10 cts.....	25	4 00
<b>Sunflower, Mammoth Russian.</b> Producing extra large flowers with an abundance of seed. Per oz., 10 cents.....	30	6 00
<b>Flax Seed (<i>Linum Usitatissimum</i>).</b> Prime clean seed.....	20	3 00
<b>Buckwheat.</b> The best common variety.....	15	1 50
<b>Buckwheat, Silver Hull.</b> An improvement on the old common variety, being earlier, yields nearly double the crop; the flour is whiter and more nutritious.....	20	2 00
<b>Wheat, White Russian Spring.</b> One of the best varieties for spring sowing, with long, strong, straight standing straw, and not so liable to rust; large, well-filled heads, grain plump and fine, an enormous cropper.....	25	2 50
<b>Wheat, Defiance Spring.</b> Productive, vigorous and hardy, a beardless white chaff variety, with heads from 5 to 6 inches long, closely set with large white grains; its earliness, great vigor and superior quality, should claim for it a universal trial for spring sowing.....	40	4 00
<b>Wheat, Fultz.</b> A beardless amber variety, very hardy and productive, straw of medium length and very strong. It makes excellent flour.....	25	2 50
<b>Wheat, Seneca, or Clawson.</b> A smooth superior white variety, with red chaff.....	25	2 50
<b>Rye, White.</b> Of a superior quality.....	20	2 00
<b>Oats, White Russian.</b> This variety has attracted much attention on account of its good qualities. It is very productive, straw stiff and heavy, standing well until fully ripe.....	15	1 50
<b>Oats, Challenger.</b> This splendid new variety is unrivalled for productiveness and quality.....	20	2 00

Other varieties of Wheat, Oats, Barley, and Agricultural Seeds supplied at market rates; prices will be given on application.

Remit for postage on Agricultural and Miscellaneous Seeds, 16 cts. per pound, and 30 cts. per quart or fraction thereof, when ordered to be sent by mail.

AGRICULTURAL AND MISCELLANEOUS SEEDS—Continued.

	Qt.	Bu.
Apple Seed ( <i>Pyrus malus</i> ). For Nursery Stocks.....	\$o	40 8 00
Peach Pits, Natural Virginia Seed. For Nursery Stocks.....		20 2 00
	Oz.	lb.
Pear Seed ( <i>Pyrus Communis</i> ). The best imported. For Nursery Stocks.....	25	2 50
Plum Pits ( <i>Prunus Communis</i> ).....	10	50
Cherry Pits, Mahaleb ( <i>Cerasus Mahaleb</i> ).....	10	60
Cherry Pits, Black Mazzard ( <i>Cerasus Communis</i> ). " " ".....	10	50
Golden Chain ( <i>Cytisus Laburnum</i> ). A hardy shrub, with racemes of golden yellow flowers....	15	1 50
Purple Mist Tree ( <i>Rhus Cotinus</i> ). A hardy dwarf tree, of beautiful appearance; the ends of the branches when in bloom are covered with inflorescence resembling mist.....	50	5 00
White Mulberry ( <i>Morus alba</i> ). The best for <i>Silk Culture</i> ; as it is becoming a lucrative business, it is very important to cultivate the best food for that purpose.....	30	3 00
Eucalyptus Globulus, or Australian Fever Gum Tree. This wonderful tree is now extensively planted in our Southern States and California, where it has become famous for draining damp soils and destroying the <i>malaria</i> . The foliage is also good for <i>Rheumatism</i> and <i>Colds</i> . It will only grow in warm climates on account of its not being hardy.....	80	8 00
Magnolia Grandiflora. The large flowering Southern variety.....	40	4 00
Magnolia Glauca. The New Jersey fragrant white variety.....	30	3 00
Locust, Yellow ( <i>Robinia pseudo acacia</i> ). A tree of rapid growth, and sown extensively in our Western States for timber, and as a protection against the severe winds.....	10	60
Locust, Honey, or Three-Thorned Acacia ( <i>Gleditsia triacanthos</i> ). Grown for Hedges, being very hardy, and its thorns are an effectual protection against man or beast; admirably adapted for our Western Prairies.....	10	50
Osage Orange ( <i>Maclura Aurantiaca</i> ). Grown for Hedges. Sprout the seed first before sowing in wet sand, then sow in nursery rows, and when one year old transplant into the hedge, 6 inches apart, alternating the plants in double rows, cutting the plants down to the height of 6 inches Manure the ground well, and plow deep, before planting. Per bu. of 33 lbs., \$3..	10	50
Osage Orange Plants (not mailable). The leaves are also good for <i>Silk Worm Food</i> : One year old plants Per 100, 75 cts.; per 1000, \$5. Two year old plants, per 100, \$1; per 1000, \$7.		

We supply other varieties of Fruit, Ornamental and Forest Tree Seeds; prices will be given on application.

Remit for postage on Agricultural, Etc., Seeds, 16 cts. per lb., and 30 cts. per qt. or fraction thereof, when ordered to be sent by mail.

BIRD SEEDS, ETC.

The Bird Seeds we offer have all been re-cleaned, and are of the very best quality, free from must and other impurities, that are injurious to the health of birds. Prices variable, to suit the market fluctuations.

	Qt.	Bu.
Mixed Bird Seed. For Canaries, etc.....	\$o 20	4 00
Canary ( <i>Phalaris canariensis</i> ). Sicily, for Canaries.....	20	4 00
Hemp ( <i>Cannabis sativa</i> ). Russian, for Parrots, etc.....	16	3 00
Millet ( <i>Panicum miliaceum</i> ). American, for Canaries, Sparrows, etc.....	12	2 00
Rape ( <i>Brassica napus</i> ). English, or Winter, for Canaries, Linnets, etc.....	25	6 00
Rape ( <i>Brassica napus</i> ). German, or Summer, for Canaries, Linnets, etc.....	25	5 00
Rough Rice ( <i>Oryza sativa</i> ). Unhulled, for Java Sparrows, etc.....	25	5 00
Bird Sand. White, washed, and prepared for birds. (Not mailable).....	5	1 00
	Oz.	lb.
Maw Seed ( <i>Papaver rhæas</i> ). For young and sick birds during moulting, etc.....	10	25
Bird Lettuce Seed ( <i>Lactuca sativa</i> ). For young, sick, and moulting birds.....	10	50
Cuttle Fish Bone. For birds to pick at, and sharpen their bills, etc.....	10	60
Mocking Bird Food. Prepared expressly for that purpose, and all soft-billed birds. (By mail, 65 cts. per bottle.) Per dozen bottles, \$3.50.....	Per bottle,	40
Canary Bird Powder, or Dog Restorer. An invigorating tonic and restorative for Canaries, Goldfinches, Linnets, and all seed-eating birds. This preparation will in every case restore their natural notes to birds that have lost their song from cold or moulting. (By mail, 30 cts.).....	Per box,	25
Bird Lice Destroyer. Non-poisonous, simple, and effective. Put up in Bellows Boxes, which facilitate its application. (By mail, 30 cts.).....	Per box,	25
Bird Nest Baskets. Made light and durable, of willow.....	Each,	10
Song Bird Fancier (Dreer's). A complete treatise on the <i>Canary Bird</i> , and other birds of song. Each,	20	

**Imperial Egg Food.** For all kinds of *Laying Fowls* and young *Poultry*. It will make your *hens lay* winter and summer, supports them during moulting, and keeps the fowls in the best condition, prevents and cures the common ailments, making poultry one of the most profitable of farm stock. It is estimated that one-half of the chickens and turkeys hatched out annually, die before reaching maturity. Where this food is used according to directions, sick and drooping young chickens and turkeys will not be seen about your place. It supplies all the needed material for forming bones, muscles and feathers; by its effect it strengthens the digestive organs, makes the fowls healthy, and therefore more profitable. Each.



1 lb. package, with directions. (By mail, 65 cts.).....	\$o 50
2½ " " " " (By mail, \$1.40).....	1 00
6 " box " " (By express or freight).....	2 00
25 " kegs " " (By express or freight).....	6 50

**Medicated Nest Eggs.** For setting and laying hens. Each, 5c.; per doz., 50c. By mail, 10c.; per doz., \$1.00.

Books on Poultry will be found in our "Farmer's and Gardener's Library," in this Catalogue.

Remit for postage on Bird Seeds, etc., 16 cts. per pound, and 30 cts. per quart or fraction thereof, when ordered to be sent by mail.

## THE FLOWER GARDEN.

FLOWERS are not always remunerative, excepting to florists, but are becoming more and more indispensable to beautify our gardens and houses, exerting in a quiet manner a refining and joyous influence, more desirable than mere pecuniary profit. The humble cottager must now have a few pots of flowers or a small flower garden.

The enthusiastic amateur or florist need no longer order his novelties direct from Europe, as we endeavor to supply his wants in that respect, by giving our constant attention to obtain every highly recommended novelty as it appears, in seeds, bulbs or plants, of either native or foreign varieties, which will be given with the introducer's description.

It is often the case that too little pains is taken to have the soil of the flower-beds and borders in a friable condition, so as not to bake in the sun. This is what renders it so difficult for small flower-seed 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 well-decayed barn-yard manure, leaf-mould, or decayed leaves from the woods, and sods, which should be put in a heap to decay, and before using riddle through a coarse sieve and mix thoroughly together. With different soils, special applications will be necessary, as stated under the head of "The Vegetable Garden," page 3. The hot-bed, etc., as there described, will serve for the purpose of the Flower Garden. The only additional requisites are flower-pruning scissors, flower-pots and labels, stakes and trellises for tying up the plants, for which articles see list under head of "Florists' and Amateurs' Requisites."

The flower-beds may be cut out in the lawn, and in these bedding plants from the green or hot-house planted, as soon as the weather becomes suitable, and no further danger of frost; also the seeds of choice annuals may be sown in them.

### 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 easily crumbled, 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 of light, rich soil, to be transplanted into 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 green-house, hot-bed, or in the house, exposed to a southern aspect, 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 seeds. 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, instances of which came under our own observation during our long experience in floriculture, especially with certain kinds of seeds. 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 germinated, subjected to the heat and watering necessary to the plants that were placed thereon. Other gardeners have related the same experience, where they found the plants growing beautifully on the compost heap, being thrown out of the seed-pans after waiting patiently several months.

In sowing seeds in flower-pots, seed-pans, or shallow boxes 2 to 3 inches deep, with proper drainage, or open seams at the bottom of the boxes, so that the water can drain through quickly, the boxes are best adapted for that purpose; the best soil is a mixture of equal parts of sand, leaf-mould, and light, rich garden loam, which should be thoroughly mixed and passed through a coarse sieve; then fill your pots, pans, or boxes within half an 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 cover slightly with fine soil, again carefully watering with a fine rose or spray dampener, to settle the soil down to a uniform surface. When they are designed to be grown in the house, the temperature should be as near 60 degrees as possible, placing them in a light window facing south or east.

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-pots or boxes, and transplant them into others, placing them about 1 inch apart each way; 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 until the proper season for planting out in the garden, when danger of frost is over.

Nature bountifully provides for the reproduction of plants; the difficulty of multiplying by one method is counteracted by the ease in which it may be done in another way. When plants are difficult to make grow from cuttings or slips, we generally find that they seed freely, thus giving ample means for increase by that method, which is the most natural way of reproducing those varieties. For instance, the much admired *Centaureas*, of the "Dusty Miller class," or white silver-leaved plants, so extensively used for edgings, massing or baskets, which are so difficult to grow from cuttings, are readily raised from seed; there are numerous varieties having the same nature, which all *Florists and Amateurs* soon discover by experience.

**Annuals** are plants that arrive at 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, etc., and placed on a hot-bed; see directions under head of Sowing and Management of Flower-Seed; when the plants are large enough, transplant in a cool frame near the glass to harden. In May, when the weather has become favorable, transplant in the borders, or the seed may 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*, and *Dwarf Nasturtiums*. Many varieties, as well as the above, may be sown in the fall and winter for blooming early in the spring, such as *Acroclinium*, *Ageratum*, *Antirrhinum*, *Apple-scented Geranium*, *China Pinks*, *Dianthus Heddewigi*, *Dianthus Laciniatus* and *Diadematus*, *Linum grandiflorum*, *Mimulus*, *Myosotis*, *Pansy*, *Petunias*, *Phlox Drummondii*, *Salpiglossis*, *Salvia*, *Verbena*, *Vinca*, and others which will be found in our full and complete lists of the best leading varieties.

**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 that bloom 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*, etc.

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

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 desired.

**Climbers**, for garden decorations, 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; they are *Cobaea*, *Eccremocarpus*, *Lophospermum*, *Maurandia*, *Thunbergia*, *Tropaeolum*, etc.

**Clematis** among hardy vines, and **Pentstemon** among herbaceous plants, are prominent instances of seeds which remain long dormant, often a whole year, before they germinate.

**Verbenas**, among half-hardy annuals, are treated as tender perennials, and are at times of slow germination; we have read an article on the experience of a skillful amateur, who sowed some of the best *Verbena* seed obtainable, in a shallow box, and placed in heat, and only received about a dozen plants from the seed; the box, instead of being emptied, was laid aside in case any more seedlings should come; it was then forgotten until the following spring, when it was again wanted for other seeds; instead of throwing out the soil the surface was scratched over and sown with *Lantana* seeds, and the box was placed in a brisk heat, and in a few days the surface was covered over with seedling *Verbenas*, the produce of seed sown the previous year; as his reward for leaving the soil in the box he received a fine stock of both *Verbena* and *Lantana* plants. We merely relate this incident to show how important it is to exercise patience in growing seedlings; the best varieties being often the slowest to germinate.

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 warm water over them, or soaked over night in camphorated water, and then sown. Thus treated, the young plants appear in a few weeks; but without such treatment they are often many months. The Varieties of *Acacia*, *Erythrina*, *Canna*, and *Smilax*, 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 pots should be half-filled with drainage, over which a rough sifting of soil should be placed, and the surface covered with very fine soil, half 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 into 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 months the plants will thrive on shelves near the glass, in the green-house; and, to obtain fine specimens, they must be shifted into larger pots till the flower-stalks have started, and should always be smoked with tobacco stems every week or two, to prevent the green-fly from making its appearance, as no plant in cultivation so readily suffers from this insect as the Calceolaria—the Eureka Fumigator being the best for that purpose, as the tobacco stems never blaze in this apparatus, which makes it a safe and easy remedy to apply. See list for sizes and prices; also Insect Destroyers under their respective heads.

It is necessary here to remark that one of the most frequent causes of the appearance of these injurious insects is the plant becoming *root or pot-bound*; to avoid which evil, it is very important that they should be frequently 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, sow in April and May, and in the following months for spring flowering.

**FLOWER SEEDS MAILED FREE OF POSTAGE.**

We send all *Flower Seeds* in *Assortments, Collections, Packets* and 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.

**FLOWER SEEDS IN ASSORTMENTS.**

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

	Colors.	Pkt.		Colors.	Pkt.
ANTIRRHINUM. Finest Tall.....	10	\$0 50	LARKSPUR. Dwarf German Rocket...	10	\$0 60
Finest Dwarf Tom Thumb.....	10	60	Tall Double Stock-flowered.....	8	50
ASTERS. Finest Quilled.....	18	1 00	NASTURTIUM. Dwarf Tom Thumb...	12	60
Truffaut's Pæony Perfection.....	12	1 00	PANSIES. Beautiful varieties.....	12	1 00
Victoria.....	12	1 00	PETUNIA. Large-flowering single varieties	12	1 25
Boltze's Dwarf Bouquet.....	12	1 00	Extra Double. Fringed varieties.....	12	1 50
Giant Emperor.....	8	1 25	PHLOX DRUMMONDI.....	12	75
Large-flowered Rose.....	10	75	Grandiflora. Large flowering variety.....	12	1 00
Cocardeau, or Crown.....	6	50	Nana Compacta. Dwarf variety.....	10	1 00
Goliath.....	6	50	PINKS. Chinensis and Heddeewigi varieties.	12	75
BALSAM. Improved Double Camellia.	6	1 00	PORTULACA. New Double.....	8	75
Double Rose-flowered.....	12	1 00	POPPY. Pæony-flowered.....	12	50
CANNA. Beautiful foliage plants.....	12	1 00	PRIMULA SINENSIS. All fringed.....	12	1 50
CARNATION. From the finest selection ..	12	1 25	All fringed varieties.....	6	75
FERNS. Rare and choice varieties.....	12	1 50	Double flowering varieties.....	5	1 50
Tree Ferns. Choice varieties.....	5	1 00	STOCKS. Large flowered, ten-week.....	12	75
GREEN-HOUSE PLANTS. A choice selection of varieties.....	25	2 50	Perpetual Flowering, ".....	6	40
HOLLYHOCKS. Chater's finest prize, double varieties.....	12	1 00	Perpetual Large-flowering Emperor...	12	1 00
IMMORTELES, or Everlasting Flowers..	12	75	SWEET PEAS.....	10	40
			WALL-FLOWER. Choice double.....	12	1 00
			ZINNIA ELEGANS. New dwarf, double.	6	50

**FLOWER SEEDS IN COLLECTIONS.**

For the accommodation of those who are unacquainted with the varieties, we have put up the following collections of desirable, free-blooming and showy kinds for general garden culture, at the collection prices, invariably our own selection. No parts of collections made. They are neatly put up, ready for immediate delivery or mailing.

Those who do not wish the collections as selected, are recommended to make up their orders from our select lists, which will be found under their respective heads in this catalogue.

No. 1. Collection of 12 annuals, free bloomers.....	\$0 50	No. 3. Collection of 12 very choice annual varieties.	1 00
No. 2. Collection of 25 annuals, free bloomers.....	1 00	No. 4. Collection of 12 new and rare annual vars...	2 00
No. 5. Collection of 20 biennial and perennial varieties.....	1 00		
No. 6. Collection of 100 annual, biennial, and perennial varieties, including many choice kinds.....	5 00		

As an inducement to POSTMASTERS AND LOVERS OF FLOWERS in a neighborhood, forming Clubs, we will forward six One Dollar packages of the above collections (but not the assortments), for a remittance of Five Dollars. One or two persons, by a little enterprise or exertion, can change the character of a place in a few years by the introduction of Flowers. Our Garden Calendar, with brief instructions how to cultivate flowers, etc., mailed free to all who apply for it.

**PREMIUM ON FLOWER SEEDS.**

As an inducement we offer the following liberal premium on Flower Seeds ordered in Packets only, of purchaser's own selection, from our extensive lists:

For \$1 00, Select Flower Seeds to the amount of \$1 15	For \$4 00, Select Flower Seeds to the amount of \$4 75
" 2 00, " " " " " " " 2 30	" 5 00, " " " " " " " 6 00
" 3 00, " " " " " " " 3 50	" 10 00, " " " " " " " 13 00



# A SELECT AND DESCRIPTIVE LIST OF CHOICE FLOWER SEEDS,

Worthy of Special Attention, Embracing Annuals, Biennials and Perennials.

Our Flower Seeds are all Mailed Free of Postage upon Receipt of Price.

Seeds of Climbers, Ornamental Foliage Plants, Everlasting Flowers, Ornamental Grasses, Green-house Plants, will be found under their respective heads; following in rotation as above enumerated.

Novelties will be found in Supplement, following page 96.

ASSORTMENTS, COLLECTIONS AND PREMIUMS ON FLOWER SEEDS  
ARE FOUND ON THE PRECEDING PAGE.

	Per packet.
<b>ABRONIA.</b> Trailing plants, producing clusters of sweet-scented flowers, especially fragrant towards evening, resembling the Verbena, continuing in bloom a long time; effective in beds, rock-work, or hanging-baskets; peel off the husk before sowing the seed; succeeds in a light, rich soil. Natives of California; half-hardy annuals; height, 6 inches.	
<i>Arenaria.</i> A beautiful yellow variety.....	\$0 10
<i>Umbellata.</i> Rosy lilac, with a white eye.....	10
<b>ACONITUM NAPELLUS</b> ( <i>Monk's Hood</i> , or <i>Wolfsbane</i> ). A hardy perennial, growing in any good garden soil, in the shade or sun, producing very pretty blue and white flowers; 3 feet.....	
<b>ADONIS ÆSTIVALIS</b> ( <i>Flos Adonis</i> ). Also known as Pheasant's Eye. A showy hardy annual of easy culture, with pretty fine-cut foliage, and lasting a long time in bloom. Handsome dark-crimson flowers, with a light-colored centre; 1 foot.....	5
<b>AGERATUM.</b> 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, of the easiest culture, succeeding in any soil; half-hardy annuals.	
<i>Conspicuum.</i> A fine white flowering variety, for cutting for bouquets; 18 inches.....	5
<i>Mexicanum.</i> Lavender blue; 2 feet.....	5
<i>Imperial Cœrulea.</i> Dwarf, with fine large heads of blue flowers; 8 inches.....	5
<i>Imperial Alba.</i> Dwarf, with fine large heads of white flowers; 8 inches.....	5
<i>Lasseauxi.</i> This rose-colored species is a perennial, but flowers the first season in the open border, and requires the protection of a green-house or conservatory in the winter; 15 inches.....	10
<b>AGROSTEMMA CÆLI ROSEA, MIXED</b> ( <i>Rose of Heaven</i> , or <i>Crown of the Field</i> ). An attractive free-flowering hardy perennial of easy culture, producing flowers on long slender stems like a single pink; blooms the first season. White and rose-colored flowers, fine for cutting; 1 foot.....	5
<b>ALONSOA</b> ( <i>Musk Flower</i> ). Handsome brilliant-colored free-flowering bedding plants, blooming until killed by frost; thriving in any good garden soil, also good house-plants; half-hardy annuals.	
<i>Grandiflora.</i> Large-flowering; bright scarlet; 2 feet.....	5
<i>Myrtifolia.</i> Myrtle-leaved variety, grows 2½ feet high, vigorous and floriferous. Flowers of an intense scarlet. Of great service for large beds.....	10
<i>Choice Mixed Varieties</i> , of all colors, mixed; 2 feet.....	5
<b>ALYSSUM.</b> Free-flowering; pretty little plants for beds, edgings, or rock work; the annual variety blooms all summer, also grown in pots for winter-flowering; the perennial variety is one of our earliest attractive yellow spring flowers.	
<i>Sweet</i> ( <i>Maritimum</i> ). Flowers in white clusters; fine for bouquets; 6 inches. Per oz., 80 cts.....	5
<i>Saxatile Compactum.</i> Showy golden-yellow flowers; hardy perennial, blooms the first season; for spring-bedding and rock work; 1 foot.....	5
<b>AMARANTHUS.</b> Are showy blooming plants, with their long racemes of curious-looking flowers; half-hardy annuals. The ornamental foliage varieties will be found under that head.	
<i>Atro-Purpureus.</i> Covered with long drooping spikes of purple flowers; 6 feet.....	5
<i>Caudatus</i> ( <i>Love Lies Bleeding</i> ). Blood-red drooping panicles of flowers; pretty for decorating; 3 feet.....	5
<b>ANAGALLIS GRANDIFLORA, MIXED</b> ( <i>Pimpernelle</i> ). Dwarf, compact plants; adapted for baskets, rock work, edgings, and small beds; succeed best in a light, rich soil, in a sunny situation; covered with various shades of flowers the whole summer; half-hardy annuals; 6 inches.....	5
<b>ANCHUSA ANGUSTIFOLIA</b> ( <i>Capensis</i> ). A splendid bouquet flower, of long duration, and producing azure-blue forget-me-not-like flowers; hardy perennial; if sown early, blooms the first season, growing freely in shaded situations; 2 feet.....	10
<b>ANEMONE</b> ( <i>Windflower</i> ). A very pleasing hardy perennial, bulbous-rooted plant; easily grown from seed, producing large flowers, early in the spring, in a sunny situation, when few plants can compete with them in beauty and brilliancy of their various-colored flowers; fine for bouquets; 1 foot.	
<i>Coronaria Mixed.</i> Flowers of various shades of scarlet, purple, blue, white and striped.....	10
<i>Fulgens.</i> Flowers large, of a beautiful dazzling vermilion color.....	20
<b>ANTIRRHINUM NANUM</b> ( <i>Tom Thumb Dwarf Snap-Drageon</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 foot.	

For separate colors, see assortments of Antirrhinums, page 44.



1. ANTIRRHINUM NANUM, TOM THUMB VARIETY.

2. ABRONIA UMBELLATA.

3. ADONIS ÆSTIVALIS, OR FLOS ADONIS.

4. ASPERULA AZUREA SETOSA.

5. AGERATUM IMPERIAL DWARF.

6. AGROSTEMMA CELI ROSEA VARIETY.

7. AGERATUM MEXICANUM.

8. ALONSOA MYRTIFOLIA, MYRTLE-LEAVED VARIETY.

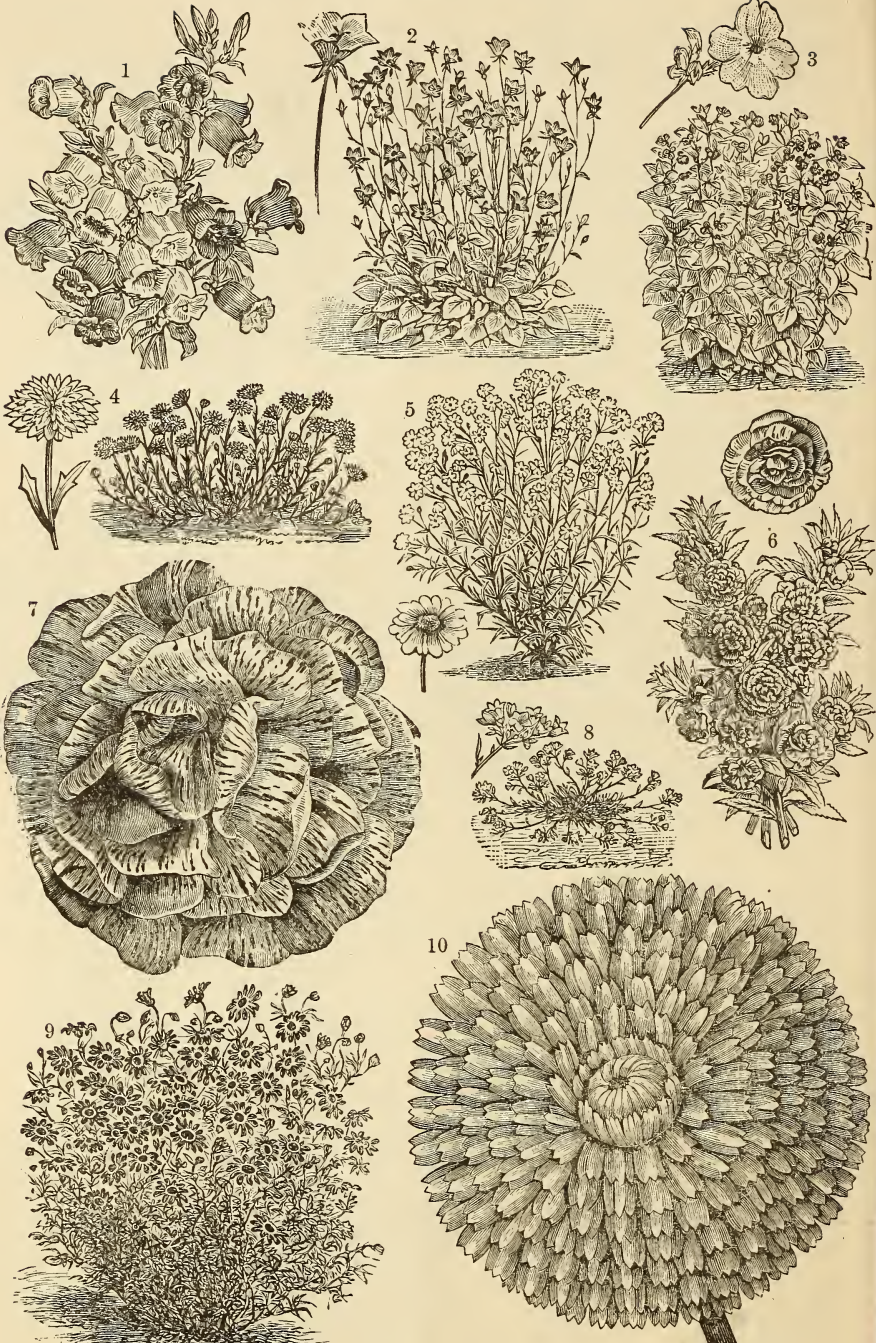
	Per packet.
<b>ANTIRRHINUM NANUM</b> — <i>Continued</i>	
Brilliant. Bright scarlet, with white throat.....	\$ 5
Henry IV. White, crimson and scarlet.....	5
Fire Fly. Orange and scarlet, with white throat.....	5
Choice Dwarf Mixed. Finest dwarf <i>Tom Thumb</i> varieties and colors. Per oz., \$1.00.....	5
Picturatum. A new and distinct dwarf variety, with diversely shaded, striped and blotched flowers; mixed of beautiful colors; height, 2 feet.....	10
<b>AQUILEGIA</b> ( <i>Columbine</i> ). This favorite plant produces beautiful grotesque, curious formed and various-colored flowers, blooming freely early in the spring; hardy perennials.	
Chrysantha ( <i>Golden-Spurred</i> ). A strong grower, forming bushy plants 3 feet high, producing all summer an abundance of bright golden-yellow flowers.....	10
Cœrulea. Flowers are very large, violet blue, and inner petals pure white; 2 feet.....	10
Olympica. A beautiful, vigorous grower; flowers rich blue, with a white-edged lip; 2 feet.....	10
Single Varieties, mixed; 2 feet.....	5
Double Varieties, of all colors, mixed; 18 inches.....	5
<b>ASPERULA AZUREA SETOSA</b> . A hardy dwarf annual, profuse bloomer, with clusters of small, sweet-scented, beautiful light blue flowers, lasting a long while in bloom, fine for bouquets; 1 foot.....	5
<b>ASTER</b> ( <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 choicest varieties; they all delight in a light, rich soil, and in hot, dry weather should be mulched with rotted manure, and well watered, which will increase their beauty and the duration of their bloom; hardy annuals. For separate colors, see assortments of Asters, page 44.	
Dwarf Pyramidal Bouquet. The plants, when well grown, form a complete bouquet of flowers, mixed of splendid colors; 1 foot.....	10
Schiller. A very fine late <i>Dwarf Bouquet</i> variety, profuse bloomer, fine for bouquets; mixed colors; 1 foot.....	15
Cocardeau, or Crown. Fine showy flowers, very double, with white centres, bordered with many bright rich colors; 18 inches.....	10
Victoria. One of the finest, very large, of perfectly double form, imbricated and globular, of pyramidal habit and produces various colored flowers; 20 inches.....	15
Cellular Victoria Crimson. This beautiful new class of the <i>Victoria</i> variety, is of a glowing rich crimson color; 2 feet.....	20
Rose-Flowered. A beautiful variety of pyramidal, robust habit, regularly imbricated; with various colored large, very double brilliant flowers; 2 feet.....	10
Giant Emperor. Flowers of great size, very double, fine form, brilliant colors, and robust growth; 2 feet.....	15
Pæony-Flowered Perfection. One of the most perfect, very double, large, and finely-shaped flowers, the petals beautifully incurved, of various bright rich colors; 18 inches.....	10
Goliath. This splendid, large-flowering variety is much admired, blooms profusely, of robust habit and most perfect form; mixed colors; 2 feet.....	20
Mont Blanc ( <i>Goliath</i> ). One of the largest flowering; produces pure white flowers 5 inches in diameter; extra double; 2 feet.....	20
German White Quilled. Double pure white flowers, fine for funeral designs and bouquets; 2 feet.....	5
German Quilled, Mixed. Perfectly double quilled flowers, of beautiful mixed colors; 2 feet.....	5
Choice Varieties, all colors, mixed. Per oz., \$2.00.....	10
Fine Mixed, not including the choice varieties. Per oz., \$1.00.....	5
Perennial Varieties, Mixed. Hardy herbaceous plants, thriving in any good garden soil. Saved from a splendid collection, of beautiful new single varieties; if sown early in the spring, they will flower the first season; 2 feet.....	10
<b>AZALEA PONTICA</b> . A beautiful hardy perennial shrub, from the Levant. Choice mixed varieties, 4 feet.....	20
<b>BALSAM</b> ( <i>Lady Slipper</i> , or <i>Touch-me-Not</i> ). An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion; of easy culture; succeeds in a good, rich soil; also fine for pot-culture and conservatory decorations; tender annuals; 2 feet. For separate colors, see assortments of Balsams, page 44.	
The King. Brilliant scarlet; imposing in size and color of the flowers; very double.....	10
Solferino. On a satiny white ground, striped, streaked and spotted with lilac and crimson; very beautiful extra double flowers.....	10
Extra Double White. The finest strain of double white <i>Camellia Balsams</i> , and a profitable florists' flower.....	10
White Perfection. This beautiful large, double snow-white variety has the most thoroughly double and immense solid round flowers that we have ever seen.....	20
Camellia-Flowered. Very double, of perfect form; beautiful colors, mixed. Per oz., \$2.00.....	10
Double Mixed Varieties. Occasionally only semi-double. Per oz., \$1.00.....	5
<b>BAPTISIA AUSTRALIS</b> ( <i>False Indigo</i> ). A beautiful hardy perennial herbaceous plant, producing bright blue, pea-shaped flowers, on spikes 6 inches long.....	10
<b>BARTONIA AUREA</b> . Producing showy large golden-yellow flowers, above its gray and downy thistle-like foliage, which are exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting well; hardy annual; 2 feet.....	5
<b>BIDENS ATROSANGUINEA</b> ( <i>Dahlia Zimapani</i> ). Rich dark crimson, with yellow anthers; beautiful foliage; a free-flowering tender annual. The roots can be preserved like Dahlias; 1 foot.....	10
<b>BRACHYCOME IBERIDIFOLIA, MIXED</b> ( <i>Swan River Daisy</i> ). Free-flowering, dwarf-growing plants, covered during the greater part of the summer with a profusion of pretty <i>Cineraria</i> -like flowers; suitable for edgings and small beds, or pot culture; half-hardy annual. Mixed light blue and white flowers; 6 inches.....	5
<b>BROWALLIA</b> . One of our favorite profuse-blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, growing freely in any rich soil; blooms finely in the winter if sown in August; half-hardy annual; 18 inches.	



1. AQUILEGIA, OR COLUMBEINE VARIETIES.  
 2. AQUILEGIA CÆRULEA, OR ROCKY MOUNTAIN  
 COLUMBEINE.  
 3. ANAGALLIS GRANDIFLORA, OR PIMPERNELLE.

4. ANEMONE FULGENS, OR SCARLET WINDFLOWER.  
 5. DWARF PYRAMIDAL BOUQUET ASTER.  
 6. PÆONY-FLOWERED PERFECTION ASTER.  
 7. ROSE-FLOWERED ASTER.

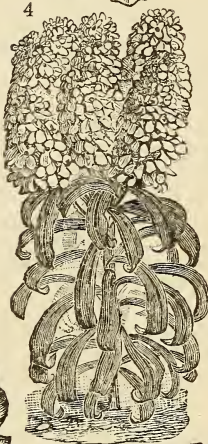
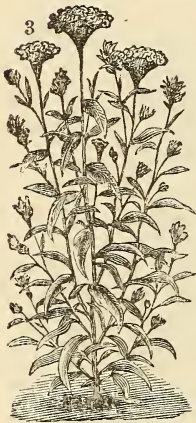
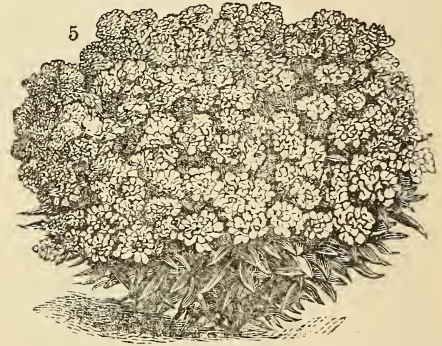
	Per packet.
<b>BROWALLIA—Continued.</b>	
Elata Grandiflora Cœrulea. Large sky-blue flowers with a white centre.....	\$ 5
Elata Alba. Pure white flowers.....	5
Mixed. All the Elata varieties.....	5
Abbreviata (Pulchella). Flowers of a deep rose color, very fine and attractive.....	20
<b>CACALIA, MIXED</b> ( <i>Tassel Flyer</i> or <i>Flora's Paint Brush</i> ). A neat, half-hardy annual of easy culture, with tassel-shaped flowers; blooms from July to September in clusters; fine for borders. Mixed golden yellow and scarlet flowers; height, 1½ feet. Per oz., \$1.00.....	5
<b>CALANDRINIA, MIXED.</b> Beautiful creeping, free-flowering plants, with succulent stems and fleshy leaves, adapted for rock work or hot situations, requiring light, rich soil; mixed colors; hardy annuals; 1 ft.	5
<b>CALENDULA</b> ( <i>Marigold</i> ). Showy, free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; 1 foot.	
Pongee Flore Pleno ( <i>Hybrid Marigold</i> ). Showy, very double white flowers.....	5
Ranunculoides Flore Pleno ( <i>Pot Marigold</i> ). Beautiful double orange-colored flowers.....	5
Officinalis Meteor. A new splendid variety of <i>Pot Marigold</i> , very large, beautiful extra double striped imbricated flowers, of a deep orange on a pale yellow ground. (See illustration).....	10
<b>CALLIRHOE PEDATA</b> ( <i>Nuttallia</i> ). Free-flowering mallow-like plants, blooming until late in the fall; fine for bedding or massing; flowers crimson, with white eye; hardy annual. 2 feet.....	5
<b>CALLIOPSIS, or COREOPSIS.</b> 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; hardy annuals.	
Drummondii. Large yellow, with crimson centre; 1 foot.....	5
Nigra Speciosa. Beautiful, rich, velvety, crimson flowers; 2 feet.....	5
Mixed Varieties. All the choice kinds; 2 to 3 feet. Per oz., 60 cts.....	5
<b>CAMPANULA</b> ( <i>Bell Flower</i> ). Well-known beautiful hardy herbaceous perennials, with a great profusion of attractive bloom, thriving best in light rich soil; some of the varieties flowering the first season if planted early. The Speculum varieties are hardy annuals, producing an abundance of flowers, fine for beds, edgings and ribbon gardening.	
Pyramidalis. A beautiful and stately plant, either for garden or pot culture; mixed blue and white flowers; hardy perennial; 3 feet.....	5
Carpatica, Mixed ( <i>Platycodeon Grandiflora</i> ). Free-flowering blue and white mixed, continuing in bloom the whole season; fine for cut flowers or bouquets; hardy perennial; 2 feet.....	5
Macrostyla Rosæflora. A new beautiful rose-flowering variety of this favorite type; hardy perennial, flowering the first season, if sown early; 2 feet.....	15
Media, Single Mixed ( <i>Cantehury Bells</i> ). Beautiful large bell-shaped flowers; transplant in the borders 2 feet apart; also effective when grown in large pots. Single Media varieties. All the Media varieties are hardy biennials; 2½ feet.....	5
Media, Double Mixed. All the Double Media varieties; 2½ feet.....	5
Speculum ( <i>Venus' Looking glass</i> ). With rich blue flowers; 6 inches.....	5
Speculum Flore Pleno. A new double blue variety of <i>Venus' Looking-glass</i> , fine for cutting and bouquets; 6 inches.....	15
Speculum Procumbens, Mixed. A new species has been obtained, which comprises all the colors, blue, white, and lilac, of the parent family. The plants are 4 inches high, and 20 inches in diameter, forming charming compact bushes, completely studded with flowers, and continuing in bloom a long time; fine for massing or edgings; mixed colors. The above Speculum varieties are all hardy annuals.....	10
<b>CANDYTUFT</b> ( <i>Iberis</i> ). A beautiful and most useful favorite plant of the easiest culture, for growing in beds or masses; the white varieties are extensively grown by florists for bouquets; by frequent sowings they can be had during the winter and summer.	
Fragrant ( <i>Pectinata</i> ). A sweet-scented pure white variety, with pinnated foliage; 1 foot.....	5
Rocket ( <i>Amara</i> ). Large trusses of pure white flowers; much prized by florists; 1 foot.....	5
Tom Thumb White ( <i>Coronaria Nana</i> ). This new dwarf variety grows 6 inches high and branching, forming a complete round bush about 16 inches in diameter, covered with large white flower heads of great substance, standing both heat and wet.....	10
Purple ( <i>Umbellata Lilacina</i> ). Of a purplish or deep lilac color; 1 foot.....	5
Crimson ( <i>Umbellata Purpurea</i> ). Dunnett's darkest crimson flowers, very beautiful; 1 foot.....	5
New Carmine ( <i>Umbellata Carminea</i> ). This new splendid variety is of a dwarf compact habit, and presents a mass of extra fine carmine bloom; 6 inches.....	10
Fine Mixed. All the above tall-growing varieties; 1 foot. Per oz., 50 cents.....	5
Mixed Dwarf Hybrid Varieties ( <i>Umbellata Nana Hybrida</i> ). These elegant new dwarf hybrids are very floriferous, and remarkable for their numerous and brilliant colored flowers, shading from pure white into dark purple; 6 inches.....	10
White Perennial ( <i>Sempervirens Albens</i> ). A profuse white-blooming hardy perennial variety; a small plant, adapted for rockeries, baskets, etc., coming in flower early in the spring, and continuing a mass of beauty for a long time; 1 foot.....	10
<b>CARNATION, or PICOTEE</b> ( <i>Dianthus Caryophyllus Flore Pleno</i> ). Carnation and Picotee 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 many splendid novelties in double and semi-double flowers; succeeds best in a light, rich soil; protect during the winter; half-hardy perennials; 1½ feet. For assortments, see page 44.	
Finest German. Mixed colors; saved from extra fine double named flowers.....	50
Remontant, or Tree ( <i>Double Perpetua</i> ). Mixed colors; saved only from the finest and choicest double named flowers.....	50
Grenadin Flore Pleno. A new dwarf compact variety of great value to florists and market gardeners; producing a profusion of large double brilliant scarlet-colored flowers, three weeks earlier than any other variety; fine for borders or massing; 1 foot.....	25
Fine Double, Mixed. The hardiest and best varieties for garden culture.....	25



1. SINGLE CANTERBURY BELL VARIETIES.  
 2. CAMPANULA CARPATICA VARIETY.  
 3. BROWALLIA ELATA VARIETY.  
 4. CALENDULA PONCEI, OR DOUBLE WHITE MARGOLD.  
 5. CALLIOPSIS, OR COREOPSIS VARIETY.

6. CAMELLIA-FLOWERED DOUBLE BALSAMS.  
 7. DOUBLE SOLFERINO BALSAMS.  
 8. CALANDRINIA VARIETY.  
 9. BRACHYCOME IBERIDIFOLIA, OR SWAN RIVER DAISY.  
 10. CALENDULA METEOR, OR STRIPED POT MARGOLD.

	Per packet.
<b>CEDRONELLA CANA.</b> A hardy perennial plant, with fragrant foliage and long spikes of purplish flowers, remaining in bloom a long time; height, 2 feet.....	5
<b>CELOSIA.</b> Free-blooming graceful plants, growing best in rather light soil not too rich, producing spikes of beautiful feathery and comb-shaped flowers; grown in pots they are fine for the green-house or conservatory. The Spiked varieties are fine for cutting and drying for winter bouquets, which should be done when in full bloom and before they fade. The Cristata varieties are ornamental, curious-looking flowers, of the well-known favorite Cockscomb; seed saved from fine combs selected for their size and brilliant colors. All the Celosias are half-hardy annuals.	
<b>Huttoni.</b> Of a bushy pyramidal 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; 3 feet.....	10
<b>Spicata, Mixed.</b> Of different shades of the spiked varieties mixed; 3 feet.....	5
<b>Plumosa Superba (Feathered).</b> A beautiful feathered variety, of several mixed colors; 3 feet.....	10
<b>Japonica (Japanese Cockscomb).</b> A distinct handsome variety. Combs of the most brilliant scarlet or crimson, often in pyramidal masses, cut and ruffled like lace; 2 feet.....	10
<b>Cristata Variegata (Gold and Crimson Variegated Cockscomb).</b> Magnificent; large heads variegated with crimson, orange, green, shaded and striped; the golden-yellow and deep crimson are of the most brilliant hues, the variegation distinctly marked; 3 feet.....	10
<b>Cristata, Glasgow Prize.</b> Producing dark foliage and immense showy dark crimson combs; 1 foot.....	10
<b>Cristata, Dwarf Crimson.</b> Large, showy, velvet-like combs; 1 foot.....	5
<b>Cristata, Mixed.</b> Fine dwarf varieties of the Cockscomb. Per oz., \$1.00.....	5
<b>CENTAUREA.</b> A showy family of easy growing plants, thriving in any garden soil, useful for planting among shrubbery, borders and for groups; hardy annuals.	
<b>Americana.</b> A strong grower with very large showy lilac purple flowers; 2 feet.....	5
<b>Cyanus Minor, Mixed (Blue Bottle, or Corn Flower).</b> Very useful for cut flowers, blooming all summer; various colors mixed; 1½ feet.....	5
<b>CENTRANTHUS, MIXED.</b> Pretty, free-flowering, compact-growing plants, with long tubed flowers produced in clusters; fine for massing; succeeds in any garden soil; mixed colors; hardy annuals; 1½ feet.	5
<b>CHRYSANTHEMUM.</b> Showy and effective garden favorites, also now extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot culture and quite distinct from the Indicum, which are hardy perennial autumn-flowering varieties.	
<b>Burridgeanum.</b> Extra fine attractive single flowers, crimson, with white edge and inner white circle, fine for cut flowers; 1 foot.....	5
<b>Dunnetti Flore Pleno.</b> Album. Double white. Aureum. Double yellow; 1½ feet.....	5
<b>Indorum Flore Pleno.</b> A new variety, producing fine large double white flowers, with occasionally some few single; an excellent bouquet flower; 20 inches. See illustration.....	10
<b>Choice Mixed.</b> Double flowering summer varieties; 1 to 2 feet. These and the above are all hardy annuals.	5
<b>Frutescens Grandiflorum (Paris Daisy, or Marguerite).</b> A new perennial green-house species, extensively used in the parks and gardens of Paris, also becoming a fashionable summer flower in this country. It is literally covered all summer with a profusion of single white star-like flowers with a yellow disc; also for winter-blooming in the house; 2 feet.....	15
<b>Frutescens Etoile d'or.</b> Similar to the above, except it has large yellow flowers.....	20
<b>Indicum Majus.</b> Choice mixed large-flowering double varieties; half-hardy perennial; 3 feet.....	20
<b>Indicum Nanum.</b> Pomponé or Liliputian small-flowering varieties; a beautiful half-hardy perennial; fine for florists' flowers. Choice mixed; very double; 2 feet.....	20
<b>CLARKIA.</b> An old favorite hardy annual plant, growing in any garden soil and producing freely its cheerful-looking flowers early in the season. Sow the seed early in the spring or in the autumn; 1½ feet.	
<b>Single Varieties.</b> Mixed colors of the best selection.....	5
<b>Double Varieties.</b> Mixed colors of the best selection.....	5
<b>CLEOME GRANDIFLORA (Spider Plant).</b> Singular-looking rose-colored flowers; the stamens look like spiders' legs, and present a very attractive appearance; half-hardy annual; 3 feet.....	5
<b>COMMELINA.</b> A tuberous-rooted, free-blooming, very pretty plant; succeeds in a light, rich soil. The roots can be preserved like Dahlias; half-hardy perennials, blooming the first season from seed; 1½ ft.	
<b>Cœlestis Cœrulea.</b> Flowers of a rich sky-blue color.....	5
<b>Cœlestis Alba.</b> A white-flowering variety of the above.....	5
<b>COLLINSIA, MIXED.</b> Very pretty free-flowering plants, blooming in whorls and several whorls around each flower stem, mixed of all varieties and colors; hardy annual; 1½ feet.....	5
<b>CONVOLVULUS MINOR (Dwarf Morning Glory).</b> Showy free-flowering, rich colored, handsome, dwarf, trailing plants, producing in beds and mixed borders an unusually brilliant effect; closing their flowers in the afternoon like the climbing varieties; hardy annuals; 1 foot.	
<b>Splendens.</b> Flowers rich violet, with a white centre.....	5
<b>Tricolor.</b> The flowers are violet and purple, with a white centre and yellow eye.....	5
<b>Alba.</b> Pretty white flowers, contrasting with other varieties.....	5
<b>Kermesinus Violaceus.</b> This new variety is very striking, having a bright yellow eye, encircled with snowy white, and broadly margined with rich crimson violet.....	10
<b>Mixed Varieties.</b> All the colors of the dwarf varieties mixed. Per oz., 50 cents.....	5
<b>Cantabricus.</b> Flowers rosy purple, a beautiful trailing plant for hanging-baskets, or for bedding; hardy perennial.....	10
<b>Mauritanicus.</b> A beautiful trailing plant for hanging-baskets and vases, producing numerous lavender-colored blue flowers; also fine for winter blooming in the house; half-hardy evergreen perennial.....	10
<b>CUPHEA PLATYCENTRA (Cigar or Fire-Cracker Plant).</b> Free-flowering beautiful ornamental plants, either for garden or pot culture; half-hardy perennial; flowers small tubed-shaped, scarlet encircled with black and white; 1 foot.....	10
<b>DAISY, MIXED (Bellis Perennis).</b> A favorite plant for beds or pot-culture, in bloom from April to June; seed saved from the finest double varieties, mixed colors; half-hardy perennial; 4 inches.....	20
<b>Double White.</b> Extra double pure white Daisy.....	20



1. DOUBLE SCARLET GRENADIN CARNATION.  
 2. 'WHITE PERENNIAL CANDYTUFF'.  
 3. CELOSIA JAPONICA, OR JAPANESE COCKSCOMB.  
 4. WHITE ROCKET CANDYTUFF.  
 5. DWARF HYBRID CANDYTUFF VARIETY.

6. DWARF COCKSCOMB VARIETY.  
 7. CELOSIA PLUMOSA, OR FEATHERED COCKSCOMB.  
 8 AND 9. CARNATION REMONTANT, OR PERPETUAL VARIETIES.  
 10. GOLD AND CRIMSON VARIEGATED COCKSCOMB.



Per packet.

- DAHLIA.** One of our best autumnal flowering plants, blooms until killed by frost; tuberous-rooted half-hardy perennials; blooming the first year from seed, if sown early and reotted once or twice; protect the roots from frost during the winter in a dry cellar in sand; height, 5 feet.
- Large-Flowering Varieties.** Saved from the finest double flowers. Mixed colors.....\$0 20
- Small-Flowering Varieties** (*Bouquet or Liliputian*). Saved from choice double flowers; mixed colors; the flowers are miniature and not the plant..... 20
- Large-Flowering, Single Varieties Mixed.** Our æsthetic people are ever busy seeking after attractive large showy single flowers. Seed saved from a splendid collection of single varieties..... 20
- DATURA** (*Trumpet Flower*). An ornamental class of plants; in large clumps and borders of shrubbery they produce an excellent effect, continuing in bloom until frost; flowering the first year from seed, if sown early. They can be preserved in sand during the winter in a dry cellar free from frost; half-hardy perennials; 3 feet.
- Humilis Flava Flore Pleno.** Large double flowers, of a deep golden yellow; delightfully fragrant..... 5
- Fastuosa Huberiana, Mixed.** Seed saved from large double flowers of various colors..... 10
- Wrightii** (*Meteloidis*). Large single trumpet-shaped flowers, white, with a lilac border..... 5
- Arborea Simplex** (*Brugmansia*). A large plant, with beautiful single trumpet-shaped, white, long-tubed, fragrant flowers, about 12 inches long. Planted out in May, in well-drained, light, rich soil, manured with well-rotted manure and decayed leaves, they make a magnificent show of bloom. Sow the seeds in a green-house or hot-bed early in the spring. Also splendid green-house plants, growing 10 feet high.... 20
- DELPHINIUM** (*Larkspur*). One of our most showy and useful plants, possessing almost every requisite for the adornment of the garden; the hardy perennials producing splendid spikes of flowers in profusion throughout the summer. If sown early they will bloom the first year from seed. The hardy annuals are profuse bloomers, and succeed best if sown in the autumn, or very early in the spring. For separate colors see assortments of Larkspurs, page 44.
- Formosum.** Beautiful spikes of brilliant rich blue flowers, with a white centre; 2½ feet..... 10
- Nudicaule.** Dwarf, of compact growth, with spikes of bright scarlet flowers; 18 inches..... 10
- Cashmerianum.** A beautiful new dark blue *Monk's-hood-like* flowering variety, produced in corymbis of six or more; 15 inches..... 20
- The above three are hardy perennials, and the following are all hardy annual varieties:
- Double Dwarf Rocket** (*Hycinth-flowered Larkspur*). Finest mixed colors; 1 foot. Per oz., 60 cts..... 5
- Double Dwarf Candelabra-Flowered.** Shaped like a candelabra; flowering until quite late; beautiful mixed colors; 1 foot..... 5
- Double Stock-Flowered.** A tall-branching variety, with beautiful long spikes of flowers of various colors; fine for cut-flow rs; 2 feet..... 5
- Imperialis Flore Pleno** (*Emperor Larkspur*). Of symmetrical bushy habit, with a profusion of brilliant dark-blue, red-striped and tricolor flowers; 1½ feet..... 5
- Ranunculiflora Nana.** A ranunculus-flowered dwarf variety, forms a column-shaped compact bouquet, with spikes of brownish violet flowers; fine for massing; 15 inches..... 10
- DIANTHUS** (*Pinks*). A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The hardy biennials, or Chinese and Japanese varieties, bloom the first season, the same as hardy annuals; height, 1 foot. The hardy perennial varieties are very fragrant, and of easy culture for the garden or green-house.
- Chinensis** (*China or Indian Pink*). Extra double varieties, all colors; mixed. Per oz., \$1.00..... 5
- Chinensis, Flore Albo Pleno.** Extra double pure white flowers..... 5
- Imperialis** (*Double Imperial Pink*). Double variegated, of many mixed colors..... 5
- Heddewigi Flore Pleno** (*Double Japan Pink*). Seed saved from extra double flowers, colors varying from the richest velvety crimson to the most delicate rose, of all beautiful colors mixed..... 10
- Heddewigi Diadematis, Flore Pleno** (*Double Diadem Japan Pink*). Beautiful double flowers from 2 to 3 inches in diameter: mixed of varied tints of lilac, crimson, purple, to very dark purple, with the outer edges fringed and nearly white; dwarf compact-growing plants..... 10
- Laciniatus Flore Pleno** (*Double Fringed Japan Pink*). Large double showy flowers with fringed edges, mixed, of a great variety of various colored and beautifully striped bloom..... 10
- Nanus Atro-Sanguineus.** A dwarf plant, producing globular double dark blood-red flowers in great profusion; 6 inches..... 10
- The above varieties are all hardy biennials, and the following are hardy perennials:
- Pheasant's Eye** (*Plumarius Simplex*). A beautiful single variety, with fringed edged white flowers, and a dark centre; 1 foot..... 5
- Plumarius Scoticus Flore Pleno** (*Double Scotch, or Paisley Pinks*). A double large-flowering Pheasant's Eye variety, with fringed edges of various beautiful colors, mixed; 1 foot..... 10
- Fine Garden Pinks** (*Hortensis Varieties*). Beautiful double mixed colors; 2 feet..... 0
- DICTAMNUS, FRAXINELLA, MIXED.** A hardy perennial, fragrant, free-flowering, herbaceous plant, suitable for mixed borders, thrives in any common soil; producing racemes of large white and red flowers, often 1 foot in length; 2 feet..... 10
- DIGITALIS** (*Foxglove*). A handsome and highly ornamental, hardy perennial plant, of stately growth, fine for shrubberies and other half-shady places; 3 feet.
- Purpurea.** Beautiful purple-spotted flowers..... 5
- Alba.** A pure white flowering variety..... 5
- Mixed.** Of all colors and the finest varieties..... 5
- DOLICHOS LABLAB NANA, MIXED.** A new dwarf French Hyacinth-flowered Bean, with beautiful clusters of purple and white flowers; tender annual; 2 feet. Per oz., 30 cents..... 5
- ERYSIMUM PEROFFSKIANUM.** A showy, free-flowering, hardy annual, somewhat resembling the single wall-flower, very effective in beds or borders; fragrant orange-colored flowers; 1½ feet..... 5
- Pulchellum.** A new dwarf densely-tufted yellow-flowering herbaceous variety. Its hardiness makes it especially suitable for rock work and grottos; hardy perennial; 1 foot..... 10



1. DUNNETT'S DARKEST CRIMSON CANDYTUFT.
2. CENTAUREA, CYANUS MINOR, OR BLUE BOTTLE.
3. DOUBLE SUMMER-FLOWERING CHRYSANTHEMUM.
4. CENTRANTHUS VARIETY.
5. CHRYSANTHEMUM INDICUM VARIETY.

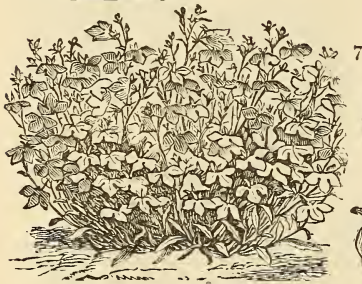
6. DOUBLE INODORUM CHRYSANTHEMUM.
7. CONVULVUS MINOR, OR DWARF VARIETIES.
8. SINGLE FLOWERING CLARKIA.
9. DOUBLE DAISY, OR BELLIS PERENNIS.
10. DAHLIA, LARGE-FLOWERING DOUBLE VARIETY.

	Per packet
<b>ESCHSCHOLTZIA</b> ( <i>California Poppy</i> ). Delight in a light, rich soil; profuse flowering and fine cut foliage, very attractive plants for beds, edgings, or masses; hardy annuals; height, 1 foot.	
<i>Crocea Aurantiaca</i> . Rich orange-colored flowers.....	\$0 5
<i>Crocea Alba</i> . Creamy-white flowers.....	5
<i>Crocea Alba Flore Pleno</i> . A new double white; producing 75 per cent. of beautiful double white flowers of long duration.....	15
<i>Crocea Aurantiaca Flore Pleno</i> . A fine double-flowering <i>California Poppy</i> , producing orange-scarlet flowers in abundance, of long duration.....	10
<i>Carminea Grandiflora Rosea</i> . A most charming new variety, producing freely, beautiful large flowers of intense carmine, continuing in bloom until late in the autumn.....	20
Mixed. Of all choice colors. Per oz., 50 cents.....	5
<b>EUPATORIUM FRASERI</b> . A very pretty herbaceous hardy perennial plant, blooming the first season from seed, producing clusters of snowy-white flowers; fine for cutting and bouquets; 1½ feet.....	10
<b>FENZLIA DIANTHIFLORA</b> . A small dwarf profuse-flowering plant, adapted for small beds, rustic work, vases, or pot culture, blooming all summer and requires to be well supplied with moisture. Flowers rosy lilac, with a crimson centre and yellow anthers; hardy annual; 3 inches.....	15
<b>FEVERFEW</b> ( <i>Matricaria Eximia</i> ). Free-flowering herbaceous plants, succeeding in any garden soil; a fine bedding plant or for pot culture; blooms until frost; hardy perennials, blooming the first season if sown early; 18 inches.	
Double White ( <i>Eximia Alba Pleno</i> ). Seed only saved from fine double flowers.....	10
New Curled Double White ( <i>Eximia Flore Pleno Crispa</i> ). This charming new variety surpasses the old in beauty, for its handsome double white flowers and densely curled foliage, fine for ribbon beds if the flowers are removed and kept pinched, to make them dwarf and branching.....	15
<b>GAILLARDIA</b> . Splendid bedding plants, remarkable for the profusion, size, and brilliancy of their flowers, continuing in beauty during the summer and autumn; half-hardy annuals; 1½ feet.	
<i>Picta</i> ( <i>Painted Lady</i> ). Crimson, bordered with orange, very showy.....	5
Mixed. Of all fine colors of the single varieties.....	5
<i>Picta Lorenziana</i> . This new charming profuse-flowering "so-called" double variety will be found of great importance; although in the botanical sense of the word it is not double, but entirely distinct from the single-flowering. We offer this variety in mixture, which has been carefully selected from six different shades of color: fine for massing, and useful as a bouquet flower, continuing in bloom until frost.....	25
<b>GAURA LINDHEIMERI</b> . An elegantly branching free-flowering plant, in bloom the whole summer, succeeds in a sandy loam; with spikes of white blossoms tinted with red; half-hardy annual; 3 feet.....	5
<b>GILIA</b> . Very pretty dwarf plants, early, free-blooming, fine for massing and rock work; hardy annuals; 1 foot.	
Tricolor. Flowers white, lilac, and purple.....	5
Mixed. Of all varieties and colors.....	5
<b>GLADIOLUS, FINE HYBRID, MIXED</b> . Seed saved from choice named varieties; half-hardy perennial bulbs. For bulbs see list under head of Summer-Flowering Bulbs.....	20
<b>GODETIA, MIXED</b> . An attractive hardy annual, deserving of more extensive cultivation; profuse-flowering plants, growing in any garden soil; fine mixed of all colors; 1 foot.....	5
Whitneyi Brilliant. This new dwarf, compact, free-flowering variety, is very showy and effective for massing; flowers of a rich carmine, shading off to a delicate rose at the points of the petals; 8 inches.....	10
<b>GYPSOPHILA</b> . Pretty, free-flowering, elegant plants, adapted for rustic and rock work, baskets, edgings, and borders; succeeding in any garden soil.	
Muralis. A small trailing plant, covered with pretty pink blossoms; suitable for small beds, etc.; hardy annual; 6 inches.....	5
Paniculata. White flowers, beautiful for bouquets, imparting a light, airy appearance; fine for borders, etc., also for a dried winter flower; hardy perennial; 2 feet.....	5
<b>HELIANTHUS</b> ( <i>Sunflower</i> ). The finest varieties, remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry, and the plant serves as a preventative for the malarial fever; hardy annuals.	
Nanus. Dwarf very double orange-colored flowers; 4 feet. Per oz., 50 cts.....	5
Nanus Foliis Variegatis ( <i>Dwarf Variegated Foliage Sunflower</i> ). This novelty forms bushy pyramidal-shaped plants, the leaves are spotted and striped with yellow. Effective for planting singly, in groups, or interspersing with other foliage plants; 4 feet.....	10
Globosus Fistulosus. Flowers large double, globular-formed, of a rich saffron color; the best of all Sunflowers; 6 feet. Per oz., 60 cts.....	5
Oscar Wilde ( <i>Newport Corsage Sunflower</i> ). This new distinct variety is of a dwarf pyramidal form, with small single flowers, of a deep golden yellow and jet black centre, produced in the greatest abundance from June until killed by frost. Its small, compact growth and attractive flowers make it a desirable bedding plant for massing or as a single specimen; 4 feet.....	10
For Russian and Common varieties, see page 40.	
<b>HESPERIS MATRONALIS, MIXED</b> ( <i>Sweet Garden Rocket, or Dame's Violet</i> ). Fragrant early spring profuse-blooming plants, flowers purple and white; hardy perennials; 18 inches.....	5
<b>HIBISCUS</b> . A showy, ornamental class of plants, for mixed beds or shrubbery borders, doing well in any garden soil, having large-sized, varied, and beautiful colored flowers.	
Africanus. Large, cream-colored flowers, with a brown centre; hardy annual; 1½ feet.....	5
Palustris. Large pink flowers, thriving in dry or moist soil; hardy perennial; 3 feet.....	5
<b>HOLLYHOCK, EXTRA CHOICE DOUBLE, MIXED</b> ( <i>Althaea Rosea</i> ). This splendid plant now ranks with the Dahlia for summer decoration, and from its stately growth and the varied colors of its magnificent large spikes of flowers, may justly claim a place in every large garden or pleasure ground. Our seed have been saved from the best named varieties of crimped double centred flowers with the outer row composed of ruffled petals. Seed sown in June and July will flower the following summer. Hardy perennial; height, 6 feet. For separate colors, see assortments of Hollyhocks, page 44.....	10
Double White. Extra strain of perfect double, pure white flowers for summer cutting for bouquets, etc..	15



1. DELPHINIUM FORMOSUM.  
 2. DELPHINIUM NUDICAULE.  
 3. DIGITALIS, OR FOXGLOVE VARIETY.  
 4. DELPHINIUM DOUBLE ROCKET LARKSPUR VARIETIES.  
 5. DATURA FASTUOSA HUBERIANA VARIETY.  
 6. DIANTHUS CHINENSIS, OR EXTRA DOUBLE CHINA PINK.  
 7. DICTAMNUS, OR FRAXINELLA.  
 8. DIANTHUS HEDDWIGI DIADEMATUS FLORE PLENO, OR DOUBLE DIADEM PINK.

	Per packet.
<b>IPOMOPSIS</b> ( <i>Standing Cypress</i> ). One of our most attractive free-flowering plants, with fine foliage; beautiful for conservatory or garden decorations; succeeds in a dry, light, rich soil, producing long spikes of dazzling colored flowers; half-hardy biennials, blooming the first season if the seed is sown early in the house or hot-bed; height, 3 feet.	
<b>Elegans</b> . Beautiful long spikes of scarlet flowers resembling the <i>Cypress Vine</i> .....	\$0 5
<b>Fine Mixed Varieties</b> . Of various orange and scarlet-colored flowers.....	5
<b>IRIS, MIXED VARIETIES</b> ( <i>Fleur-de-Lis</i> ). Neat, robust, perennial, tuberous-rooted, hardy evergreen, early spring blooming garden plants, growing about two feet high, with large ornamental flowers of the richest colors, striped, veined, and variegated, upon a lighter ground.....	10
<b>KAULFUSSIA AMELLOIDES, MIXED</b> . Desirable compact dwarf free-flowering plants, resembling <i>Single Asters</i> , of blue, crimson, rose, violet and white flowers; hardy annual; 6 inches.....	5
<b>LILIUM</b> . These are of our most beautiful plants, of the well-known hardy lily bulbs, for the conservatory or flower garden. The seeds are of slow germination, often lying several months before vegetating, and are best sown in pots or boxes where they will not be disturbed; they should be planted in a rather dry soil of the following mixture: loam, peat and sand; 3 feet. For bulbs, see our list in <i>Dreer's Complete Garden Calendar</i> .	
<b>Auratum</b> ( <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.....	25
<b>Lancifolium, Mixed</b> ( <i>Japan Lily</i> ). Choice varieties of this beautiful Lily.....	25
<b>LINARIA CYMBALLARIA</b> ( <i>Kenilworth Ivy</i> ). A charming small, neat, hardy perennial trailing variety, suitable for baskets, vases, pots and rock-work; 3 inches.....	15
<b>LINUM GRANDIFLORUM COCCINEUM</b> ( <i>Scarlet Flax</i> ). One of the most effective and showy bedding plants; flowers brilliant scarlet, with crimson centre, of long duration, having fine foliage and delicate stems; hardy annual; 1 foot. Per oz., 60 cents.....	5
<b>LOASA ERECTA</b> . A new hardy annual class of plants, with caustic foliage of erect growth, which must not be handled without gloves, as the hairs sting; producing long flower-stalks 2 feet long, covered with peculiar shaped flowers; for pot or outdoor culture; 4 feet.	
<b>Hispida</b> . With long dark green pinnated leaves, and numerous showy yellow and white flowers.....	10
<b>Vulcanica</b> . Covered with beautiful white star-like flowers of a peculiar shape. (See illustration).....	10
<b>LOBELIAS</b> . The following dwarf and trailing varieties of this popular and beautiful flowering plant will be found most desirable for edgings, borders, vases, hanging-baskets, blooming profusely from June to November, and for pot culture they cannot be surpassed; half-hardy annuals; 6 inches high, unless otherwise mentioned. The hardy perennial varieties are of the most attractive of our garden favorites, producing beautiful spikes of handsome flowers in the autumn; delighting in a moist, rich loam.	
<b>Erinus Speciosa, Crystal Palace Variety</b> . Of trailing growth; flowers of a superb ultra-marine blue. This variety blooms during the entire summer in the open borders, and is one of the best for vases, hanging-baskets or pots.....	10
<b>Erinus Speciosa, Alba Maxima</b> . This is the largest flowered of all the <i>Erinus Speciosa Varieties</i> , with showy white flowers, of drooping and spreading habit.....	10
<b>Erinus, Emperor William</b> . A very fine compact variety, with fine sky-blue flowers.....	10
<b>Pumila Grandiflora</b> . A densely compact miniature plant, which, during the summer months, is studded with rich deep blue flowers.....	10
<b>Picta</b> . A beautiful variety with rich, velvety-veined and netted foliage, and light rose-colored flowers.....	20
<b>Mixed Varieties</b> . Of all the dwarf and trailing kinds.....	10
<b>Erinus Grandiflora Flore Duplici</b> . This lovely new double blue flowering hose-in-hose-like form is of a trailing habit, remaining much longer in bloom than the single varieties; fine for massing, vases, etc.....	20
<b>Heterophylla, Mixed</b> ( <i>Ramosa Varieties</i> ). A new strain; of upright growth, abundant bloomers; mixed colors; half-hardy perennial, blooming the first season; 1½ feet.....	10
<b>Cardinalis</b> ( <i>Cardinal flower</i> ). A hardy perennial native variety, with spikes of brilliant scarlet flowers, blooming the first season if sown early; a fine border plant; 3 feet.....	10
<b>Cardinalis and Fulgens Hybrids</b> . The most interesting varieties, foliage varying from bright green to brown or reddish green. Flowers are large and resemble <i>Cardinalis</i> , but are of most splendid shades of colors, varying from light rose to red, lilac, purple, and bluish violet; in bloom from July to October; hardy perennials; 2 feet.....	20
<b>LUPINUS</b> ( <i>Sun Dials</i> ). Ornamental free-flowering easy-grown garden plants, with long, graceful spikes of rich and varied colored pea-shaped flowers; valuable for mixed flower borders and beds. The seed should be sown where they are to bloom, as they do not transplant well.	
<b>Choice Mixed</b> . All colors of annual varieties; 2 feet. Per oz., 40 cents.....	5
<b>Choice Mixed</b> . All colors of hardy perennial varieties; 2 feet.....	5
<b>LYCHNIS</b> . Handsome plants of easy culture, growing in any rich garden soil; for massing in beds and borders, blooming the first year if sown early; hardy perennials.	
<b>Chalcedonica Coccinea</b> . Fine scarlet flowers; 2 feet.....	5
<b>Chalcedonica Alba</b> . Showy white flowers; 2 feet.....	5
<b>Hybrida Haageana, Mixed</b> . Beautiful brilliant orange-scarlet, light and dark crimson, and white-flaked flowers; free-flowering; 1 foot.....	10
<b>Choice Mixed</b> . Of all colors and varieties. Per oz., \$1.00.....	5
<b>MARIGOLD</b> ( <i>Tagetes</i> ). A well-known free-flowering plant, of easy culture, with rich and beautiful varied double-colored flowers. The African are best for large beds; while the French are adapted for small beds or as a foreground for taller plants; half-hardy annuals.	
<b>Large African</b> . Tall double, orange, brown and yellow, mixed; 2 feet. Per oz., 60 cents.....	5
<b>Dwarf French</b> . Fine rich colors, mixed; very double; 1 foot. Per oz., 80 cents.....	5
<b>MARTYNIA, MIXED</b> . They delight in a light, rich soil and warm situation, producing large fragrant yellow, white and purple flowers; the young horned seed-pods are used for pickling; half-hardy annuals; height, 2 feet.....	5



1. IPOMOPSIS ELEGANS, OR STANDING CYPRESS.
2. EXTRA DOUBLE HOLLYHOCK.
3. HELIANTHUS GLOBOSUS FISTULOSUS.
4. LOBELIA CARDINALIS.
5. ESCHSCHOLTZIA, OR SINGLE CALIFORNIA POPPY.

6. GAILLARDIA VARIETY.
7. LOBELIA ERINUS SPECIOSA, CRYSTAL PALACE.
8. LYCHNIS HYBRIDA HAAGEANA VARIETY.
9. LINUM GRANDIFLORUM COCCINEUM.
10. ESCHSCHOLTZIA, OR DOUBLE CALIFORNIA POPPY.

Per packet.

- MARVEL OF PERU** (*Mirabilis Jalapa*). The well-known *Four O'clock*, handsome, free-flowering garden favorite; they bloom the first season from seed, and are treated like annuals; the flowers are produced in clusters on the summit of the stems, opening in the afternoon and withering the next morning; the roots can be preserved during the winter like Dahlias; half-hardy perennials.
- Mixed Colors.** Beautiful shades of colors and variegated flowers; height, 2 feet. Per oz., 40 cts. \$0 5
- Variegated-Leaved Variety.** Leaves light green, marbled; very ornamental; a variety of the above; mixed of all colors; 2 feet. Per oz., 50 cts. 5
- Multiflora.** This new variety differs from the common *Marvel of Peru* by its diffuse trailing habit; it flowers in funnel-shaped clusters, of a dark lilac red color. 10
- MESEMBRYANTHEMUM.** Profuse star-like flowering dwarf trailing plants of great beauty, blooming the whole summer, thriving best in a dry, loamy, or sandy soil, requiring a warm, sunny situation; fine for beds, edgings, rock-work, baskets or vases; also for the green-house; half-hardy annuals; 6 inches.
- Crystallinum** (*Ice Plant*). A trailer, flowers white; prized most for its singular icy foliage. 5
- Glabrum** (*Dew Plant*). Light yellow flowers. 5
- Tricolor** (*Wax Plant*). Rosy pink, with purple centre. 5
- Cordifolium Variegatum.** A half-hardy perennial trailing variety, with handsome variegated fleshy heart-shaped foliage, and bright rosy-colored flowers; fine for the green-house or conservatory. 10
- MIGNONETTE** (*Reseda Odorata*). A well-known fragrant favorite. If the plants are thinned out they will grow stronger and produce larger spikes of flowers; fine for pot or garden culture, and can be had during the whole year by sowing at intervals. The *Golden Queen* and *New Hybrid Spiral* varieties are a great acquisition on the previously existing sorts; hardy annuals.
- Sweet-Scented** (*Odorata*). The old variety with small spikes; 1 foot. Per oz., 20 cts. 5
- Grandiflora Ameliorata.** Plants pyramidal; flowers larger than and distinct from the old variety, having stamens of a reddish tint; 15 inches. Per oz., 30 cts. 5
- Golden Queen** (*Reseda Odorata Ameliorata Aurea*). A new attractive variety, forming a dense pyramidal plant, and throws up numerous flower-stalks, terminated with spikes of golden-yellow, very fragrant blossoms; 15 inches. 20
- The Prize.** This new variety produces a close dense spike, double the size of the common, and as fragrant as any of them; 1 foot. 10
- Parson's White.** Large spikes of flowers; the stamens of the florets are pure white and very fragrant; 1 foot. Per oz., 50 cts. 5
- New Hybrid Spiral.** This new Mignonette is said to be superior to any other in cultivation, being dwarf and of a branching habit, with spikes from 8 to 10 inches long, very fragrant, hardier, and adapted for market purposes; 15 inches. 10
- Dwarf Compact.** A dwarf robust variety, 10 inches high and 18 inches in diameter, covered with large spikes of reddish-tinted flowers. 10
- Pure White** (*Reseda Alba Hybrida*). A new pure white tree or branching variety; 2 feet. 10
- MIMULUS** (*Monkey Flower*). Showy, profuse-flowering plants, comprising numerous varieties, with white, sulphur, and yellow grounds, spotted with crimson, scarlet, and pink, fine for the green-house, or moist, shady situations; half-hardy perennials; blooming the first year from seed if sown early; 1 foot.
- Tigrinus.** The finest tigered and spotted varieties, rivalling the *Calceolaria* in its bright colors; mixed colors. 10
- Tigrinus Duplex.** A beautiful double hose-in-hose variety of the above, with tigered and spotted flowers, mixed colors. 20
- Cupreus Brilliant.** A new brilliant scarlet bedding variety; extremely showy. 20
- Choice Mixed Varieties.** Large flowering, of all colors. 10
- Moschatus** (*Musk Plant*). Fine for hanging-baskets, vases, etc., with a profusion of small yellow fragrant flowers; 6 inches. 10
- MYOSOTIS** (*Forget-me-not*). Neat and beautiful little plants with star-like flowers; succeeds best in a shady, moist situation, for green-house or out-door culture; half-hardy perennials; blooming the first year from seed if sown early.
- Alpestris Cœrulea.** Bright blue flowers; 6 inches. 10
- Alpestris Alba.** Pure white flowers; 6 inches. 10
- Azorica Celestina.** Handsome sky-blue flowers, produced in great profusion; 1 foot. 10
- Dissitiflora.** Of compact habit, profuse bloomer, and appearing like a sheet of most exquisite blue; a fine, attractive, spring bedding plant; 6 inches. 15
- Palustris.** The true *Forget-me-not*; beautiful blue flowers; 6 inches. 10
- Palustris Semperflorens.** A charming dwarf *Forget-me-not*, thriving equally well in sun or shade; continuing in bloom from early spring until autumn with beautiful blue flowers; fine for bouquets; 8 inches. 20
- Palustris Semperflorens Flore albo.** A new pure white *Forget-me-not*; succeeds best in a moist, shady situation, for green-house or out-door culture; 8 inches. 20
- NASTURTIUM** (*Tropæolum*). The dwarf improved varieties are all desirable, and are among our most popular plants, standing any amount of heat and drought, growing vigorously and flowering freely all summer and fall, either for the flower border, massing, and ribboning; doing best in a rather poor soil and in the green-house during the entire winter; hardy annuals; 1 foot. For assortments of Nasturtiums, see page 44.
- Tom Thumb Scarlet.** Tom Thumb Yellow. Each 5
- Tom Thumb Pearl.** Creamy white Tom Thumb Spotted. With beautiful spotted flowers. Each 5
- Tom Thumb Cœrulea Rosea.** Rose-tinted maroon. 10
- Tom Thumb Crystal Palace Gem.** Attractive sulphur-colored flowers, with a dark-red spot near the base of each petal. 5
- King of Tom Thumbs.** Bluish-green foliage; showy, intense scarlet flowers. 5
- King Theodore.** Selected from King of Tom Thumbs; bluish-green foliage; flowers almost black. 10
- Golden King of Tom Thumbs.** Deep golden-yellow flowers, thrown well above the dark foliage. 10
- Ruby King Tom Thumb.** Pink, shaded with carmine, contrasting beautifully with its dark foliage. 10
- Tom Thumb Varieties.** Mixed of all colors. Per oz., 50 cts. 5



1. PENTSTEMON VARIETY.  
 2. DWARF FRENCH MARIGOLD.  
 3. MIMULUS SINGLE VARIETY.  
 4. DOUBLE HYBRID PETUNIA VARIETY.  
 5. MIGNONETTE VARIETY.

6. MESEMBRYANTHEMUM CRYSTALLINUM, OR ICE PLANT.  
 7. SINGLE HYBRID PETUNIA VARIETY.  
 8. NEMOPHILA VARIETY.  
 9. PANSY VARIETY, OR VIOLA TRICOLOR MAXIMA.  
 10. DREER'S PREMIUM PANSY, OR HEARTSEASE.



Per packet.

<b>NEMOPHILA</b> ( <i>Grove Love</i> ). Of neat, compact, uniform habit of growth, comprising varied and beautiful colors; blooming freely all summer if planted in a rather cool, shaded place, and in not too rich a soil; hardy annuals; height 1 foot.	
<b>Insignis</b> . Bright blue flowers with a white centre.....	\$ 5
<b>Maculata</b> . White flowers, blotched with purplish violet.....	5
<b>Fine Mixed</b> . All the varieties and colors mixed. Per oz., 50 cts.....	5
<b>NIGELLA</b> ( <i>Love in a Mist, or Devil in the Bush</i> ). A compact, free-flowering plant, with finely cut foliage, curious-looking flowers and seed-pods; of easy culture, growing in any garden soil; hardy annual; 1 foot.	
<b>Damascena Cœrulea Plena</b> . Pretty double light blue flowers.....	5
<b>Damascena Alba Plena</b> . A pure white double variety of the above.....	5
<b>NIEREMBERGIA FRUTESCENS</b> . A half-hardy perennial, slender growing plant, with an abundance of almost perpetual bloom, flowering the first year if sown early; for the green-house, baskets, vases or bedding out; flowers white, tinted with lilac; 1 foot.....	10
<b>CENOTHERA GRANDIFLORA ODORATA</b> ( <i>Evening Primrose, or Sun Drops</i> ). A hardy, perennial garden plant, with large, fragrant, showy yellow flowers; blooms the first season from seed; 3 feet.....	5
<b>OXALIS ROSEA</b> . Beautiful small plants, suitable for the green-house, rock-work, baskets, or out-door culture; flowering the first year if sown early, with clusters of rose-colored blossoms; half-hardy perennial; 9 inches.....	10
<b>OXYURA CHRYSANTHEMOIDES</b> . A pretty little branching neat plant, producing daisy-like yellow, white-edged flowers; hardy annual; 1½ feet.....	5
<b>PANSY</b> ( <i>Viola tricolor maxima</i> ). This attractive plant is too well known to require any description, as it is a favorite with all; the seed can be sown from September to March; 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; 6 inches. Special directions how to cultivate <i>Pansies</i> sent with the seed when desired. For assortments, see page 44.	
<b>Dreer's Premium Varieties</b> . Seeds saved from first-class flowers only; of beautiful shades and the best fancy colors mixed.....	25
<b>Odier</b> ( <i>Five-blotched</i> ). A beautiful strain of various colored large handsome perfect formed flowers, with dark spots on each petal, like the Pelargonium.....	25
<b>Emperor William</b> . Large handsome flowers in great profusion, borne well above the foliage, brilliant ultra-marine blue, with a purple violet eye.....	15
<b>Faust</b> ( <i>King of the Blacks</i> ). The flowers are almost black, the darkest Pansy known.....	15
<b>Purple</b> . Splendid purple white-edged flowers.....	15
<b>Light Blue. Pure Yellow. Pure White</b> .....	Each 15
<b>Snow Queen</b> . The flowers of this new variety differ from the ordinary <i>White</i> . They are very large and of a satiny white, tinged with yellow in the centre.....	25
<b>Best Imported Varieties</b> . Mixed of all beautiful colors. Per oz., \$4.00.....	20
<b>Good Varieties</b> . Of all colors mixed. Per oz., \$2.00.....	10
<b>PENTSTEMON, MIXED</b> . One of our most beautiful and attractive herbaceous plants for the borders, with an abundance of long, graceful spikes of rich-colored flowers, from May until frost; will bloom the first season if sown early in March in a hot-bed, and planted out in May; half-hardy perennials. Choice varieties and colors mixed; 2 feet.....	10
<b>PETUNIA</b> . For out-door decoration or house-culture few plants are equal to this class. They commence flowering early, and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation; and are of a trailing habit. Of late years, the Single-striped, mottled, and spotted as well as the Double varieties have been greatly improved; half-hardy perennials, blooming the first year, even if sown in the open ground, but not before July unless started in the hot-bed or house, and are treated as hardy annuals; 2 to 3 feet. For separate colors, see assortments of <i>Petunias</i> , page 44.	
<b>Hybrida Flora</b> ( <i>The Star</i> ). Beautiful flowers of various shades of red and purple, with five white bars, resembling a star.....	10
<b>Grandiflora Venosa</b> . Large-flowering veined varieties, the finest shades of colors beautifully veined.....	10
<b>Grandiflora Kermesina</b> . Very large rich crimson showy flowers.....	10
<b>Grandiflora Kermesina Intus Alba</b> . Splendid extra large crimson flowers, with a white throat.....	20
<b>Grandiflora Superbissima</b> . This new variety has very large attractive flowers, of rose, crimson, and purple, with a beautifully tiger-spotted throat.....	20
<b>Dreer's Hybrid Extra Mottled Varieties</b> . The finest strain of mottled, spotted, and striped large-flowering varieties, of beautiful shades and the best colors mixed.....	20
<b>Splendid Hybrid Varieties</b> . Mixed of all colors. Per oz., \$3.00.....	10
<b>Fine Mixed</b> . Of good old varieties. Per oz., \$1.50.....	5
<b>Hybrida Nana Compacta Multiflora</b> . This new variety is a <i>really dwarf</i> , and profuse bloomer. Plants 5 to 8 inches high, by the same in diameter. Of a cherry-red color, with a regularly formed white star; effective for massing, etc., and for pot culture.....	20
<b>Hybrida Brillantrosa</b> . A distinct new variety, producing handsome brilliant rosy carmine flowers, with a light-colored throat; 1 foot.....	10
<b>Dreer's Double Hybridized</b> . Fecundated with the greatest care, saved from our very choice collection; a fair percentage will prove handsome double flowers.....	25
<b>Grandiflora Fimbriata Flore Pleno</b> ( <i>Double-Fringed Varieties</i> ). This new and beautiful strain of large, double-fringed <i>Petunias</i> , are of the richest and most delicate tints of the finest colors and shades of carnations, and perfect double flowers; the result of most careful fecundation with the largest blooms of the single-fringed varieties, and cannot fail of giving satisfaction in at least one-fourth of fine double flowers.	25
<b>PHACELIA CONGESTA</b> . A curious and interesting hardy annual plant of easy culture, good for bee food. The flowers are produced on one-sided racemes, of a beautiful azure blue color; 2 ft. Per oz., 20 cts.	f

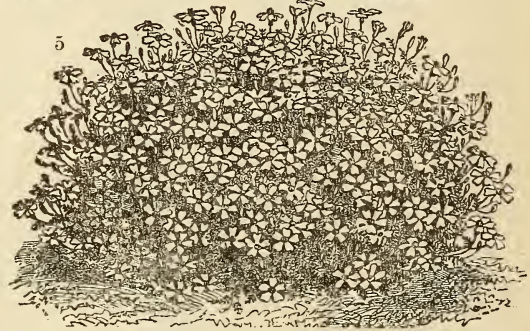


1. SINGLE-FLOWERING PORTULACA.
2. DOUBLE-FLOWERING PORTULACA.
3. SINGLE POLYANTHUS, OR PRIMULA ELATIOR.
4. DOUBLE FRINGED PETUNIA, OR GRANDIFLORA FIMBRIATA FLORE PLENO.

5. POLYANTHUS DUPLEX, OR PRIMULA ELATIOR.
6. PHLOX DRUMMONDI GRANDIFLORA VARIETIES.
7. PETUNIA GRANDIFLORA SUPERBISSIMA.
8. SINGLE POPPY VARIETY, OR PAPAVER UMBROSUM.
9. DOUBLE POPPY, OR PAPAVER VARIETY.

Per packet.

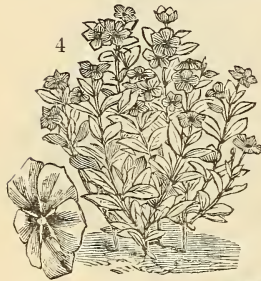
<b>PHLOX DRUMMONDI.</b> One of our universal, unrivalled, indispensable, constant blooming favorite garden plants, which should occupy a prominent place in every garden for clumps or massing; quite as desirable as the Verbena, for their duration of bloom and display of brilliant dazzling colors, as well as the beautiful-eyed varieties; hardy annuals; height, 1½ feet. For assortments of Phlox, see page 44.	
Alba Pura. Pure white. Alba Oculata. White, with a purple eye.....	Each 10
Atropurpurea. Deep blood purple. Empress Eugenie. Rose, marbled.....	Each 10
Leopoldi. Deep pink, with a white eye. Coccinea. Brilliant scarlet.....	Each 10
Princess Royal. Purple, white striped. Queen Victoria. Violet, with a white eye.....	Each 10
Radowitzi. Rose-, striped white. Rosea. Beautiful rose-colored.....	Each 10
Variabilis. Beautifully marbled violet and lilac.....	10
Violaacea Variegata. Violet, variegated.....	10
Choice Mixed. Of all the above colors. Per oz., \$1.00.....	5
<b>Drummondii Grandiflora.</b> This improvement of the Phlox over the old varieties is in its stronger, compact growth, and larger, rich-colored flowers, with white centres, admirably relieved by a dark violet eye, which are as freely produced as the old sort; 1½ feet.	
Alba Pura. Pure white.....	10
Atropurpurea Alba Oculata. Dark purple with a white eye.....	10
Carminea Alba Oculata. Rosy-carmine, with a white eye.....	10
Coccinea. A rich brilliant scarlet.....	10
Elegans Carminia. Large round white centre or disk, with an outer margin varying from rose to crimson.	10
Kermesina Striata. Flowers crimson, striped with white.....	10
Splendens. Vivid crimson, with a pure white eye encircled with a violet edge.....	10
Violaacea Alba Oculata. Various shades of violet, relieved with a white eye.....	10
Mixed Grandiflora. All the Grandiflora varieties mixed. Per oz., \$1.50.....	10
<b>Drummondii Nana.</b> This new strain of Phlox is of a dwarf, compact habit, and makes desirable pot plants, also for bedding out, for ribbon lines and massing, not exceeding 10 inches in height.	
Heynholdii Cardinalis. Compact and bushy globular-shaped plants, which are literally covered with beautiful copper-scarlet flowers.....	10
Atrosanguinea. Blood-red.....	10
Isabel. Light yellow. Peach-Blossom. Large flowers of a delicate salmon tint.....	Each 10
Mixed Nana. All the dwarf varieties mixed. Per oz., \$3.00.....	10
<b>Decussata Perennial, Mixed.</b> This Phlox is one of the finest hardy herbaceous perennials, for beds or borders. Choice hybridized varieties, seed saved from the finest named flowers, all colors, mixed.....	10
<b>POLYANTHUS (Primula Elatior).</b> Showy, early spring free-flowering plants, fine for either pot or outdoor culture; hardy perennials; 9 inches.	
Choice English Varieties. The best single flowers, of all colors mixed.....	20
Choice Duplex Varieties. Beautiful colors, of the double hose-in-hose flowers, of all colors mixed.....	25
<b>POPPY (Papaver).</b> A showy and easily cultivated hardy annual; with large brilliant-colored flowers, growing freely in any garden soil, and producing a fine effect in large clumps or mixed beds. Sow early in the spring where they are to remain, as they will not bear transplanting; 2 feet. For assortments of Poppies, see page 44.	
Pæony-Flowered. Large and very double flowers; of mixed colors.....	5
Ranunculus-Flowered. Splendid double-fringed flowers, of mixed colors.....	5
Choice Mixed. Of all varieties and colors. Per oz., 50 cents.....	5
<b>Umbrosum.</b> A new variety producing flowers of the richest vermilion, with a deep shining black spot on each petal. (See illustration).....	10
<b>Perennial Mixed.</b> A hardy perennial variety of beautiful colors; from 2 to 3 feet.....	10
For Opium Poppy, see page 37.	
<b>PORTULACA.</b> One of our finest hardy annual plants, of easy culture, thriving best in a rather rich, light loam, or sandy soil, and luxuriating in an exposed sunny situation; the single-flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds, edgings, or rock-work; 6 inches.	
Alba Pura. Pure white. Alba Oculata. White, with a reddish-purple centre.....	Each 5
Aurantiaca. Orange-colored. Aurea Oculata. Yellow, with a dark centre.....	Each 5
Aurea Striata. Yellow, golden striped. Caryophylloides. Carnation striped.....	Each 5
Carnea. Of a pretty delicate pink shade. Rosea. Rose-colored.....	Each 5
Splendens. Crimson purple. Thellusonii. Scarlet.....	Each 5
Mixed Varieties. Of all the above, choice colors. Per oz., \$1.00.....	5
<b>Grandiflora Flore Pleno (Double-Flowering Portulaca).</b> A bed of this variety, 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 colors, adapted to withstand the influences of heat and drought. Seed selected from the finest double flowers, and cannot fail to give satisfaction. For separate colors, see assortments of Double Portulacas, page 44.	15
<b>PRIMULA VERIS, MIXED (English Cowslip).</b> Attractive early spring, free-flowering plants, useful for bedding; hardy perennial; 6 inches. Of all the finest colors, mixed.....	10
<b>PYRETHRUM, Roseum Flore Pleno.</b> A new showy variety of this hardy herbaceous perennial plant; seed saved from extra double flowers, beautiful colors, mixed; 1½ feet high.....	20
<b>SALPIGLOSSIS.</b> Neat and beautiful ornamental autumn-blooming plants, with curiously pencilled and marbled funnel-shaped flowers; suitable for the green-house or flower-border; of easy culture, requiring a light, rich soil; half-hardy annual; 1½ feet.	
Large-Flowered Varieties. Very splendid; of all colors mixed.....	10
Fine Mixed Varieties. All colors of the small flowering mixed.....	5
<b>SANVITALIA PROCUMBENS FLORE PLENO.</b> This double-flowering bright golden-yellow variety is much larger than the single, and a valuable dwarf-bedding plant; fine for rockeries, etc.; flowers during the summer and autumn months, thriving best in a light, rich soil; hardy annual; 6 inches.....	10



1. SENSITIVE PLANT, OR MIMOSA PUDICA.
2. LARGE FLOWERING DWARF TEN WEEK STOCKS.
3. SALPIGLOSSIS LARGE-FLOWERING VARIETY.
4. SANVITALIA PROCUMBENS FLORE PLENO.
5. TAGETES SIGNATA PUMILA.

6. SWEET WILLIAM DOUBLE-FLOWERING VARIETY.
7. SWEET WILLIAM SINGLE-FLOWERING VARIETY.
8. TORENIA FOURNIERI.
9. SCAIOSA VARIETY, OR MOURNING BRIDE.
10. SILENE PENULA FL. PL., OR DOUBLE CATCHFLY.

	Per packet.
<b>SAPONARIA</b> ( <i>Bouncing B t.</i> ). Beautiful compact-growing plants, with masses of miniature cross-shaped flowers, blooming throughout the summer and late in the autumn.	
Choice Mixed Annual Varieties. All colors of the hardy annuals; height, 6 inches.....	\$0 5
<b>Ocymoides</b> . A hardy perennial variety, one of the finest plants for covering rock-work, etc.; rosy pink flowers; 3 inches.....	5
<b>SCABIOSA</b> ( <i>Mourning Bride, or Sweet Scabius</i> ). One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc.; hardy annual.	
Fine German Tall Varieties. Double mixed, of all colors; 2 feet. Per oz., 60 cents.....	5
Splendid Dwarf Varieties. Double mixed, of all colors; 1 foot.....	5
Candissima Alba Plena. Double pure white flowers, one of the best for florists' use; 2 feet.....	10
<b>SCHIZANTHUS</b> . A splendid class of plants, combining elegance of growth with a rich and various-colored profusion of flowers, fine for green-house decoration in spring and the flower garden in summer; of easy culture; half-hardy annual.	
Fine Mixed Tall Varieties. All colors of the tall-growing varieties; 2 feet.....	5
Pinnatus, Dwarf, Tom Thumb. This is a new dwarf variety, of pyramidal shape, and covered with pretty, black-eyed purple flowers; 1 foot.....	10
<b>SEDUM, MIXED</b> ( <i>Stonecrop</i> ). A pretty and useful little plant, growing freely on rock or rustic-work, hanging-baskets, ornamental mounds, etc.; during the summer they expand their brilliant star-shaped flowers in profusion; mixed colors and varieties; hardy perennial; 3 inches.....	10
<b>SENECIO, or JACOBÆA, MIXED</b> . Free-growing plants, producing gay-colored double flowers in profusion, for beds or ribbon-gardening, delighting in a light, rich soil, and a warm situation; beautiful mixed colors; hardy annual; 1 foot.....	10
Speciosus. A new showy half-hardy perennial from South Africa. It produces branching spikes of bright magenta-colored flowers, 1½ inches in diameter, produced in great profusion, from spring until fall, and will bloom all winter in a cool green-house.....	20
<b>SENSITIVE PLANT</b> ( <i>Mimosa pudica</i> ). Curious and interesting plants, with pinkish white flowers, the leaves close and droop when touched or shaken; they require a mixed soil of peat, loam, and sand; tender annual; 1½ feet.....	5
<b>SILENE</b> ( <i>Cat's-paw</i> ). A beautiful, early, free-blooming plant, adapted for beds, borders, or ribbon-gardening; of easy culture, growing in any garden soil; hardy annual; 1 foot.	
Mixed Colors ( <i>Armeria, or Lobel's Catchfly</i> ). Red, white, and rose, colors mixed..... Per oz., 60 cts.....	5
Pendula Flore Pleno. Producing charming double rose-colored flowers in profusion. (See illustration)..	10
<b>SPRAGUÆA UMBELLATA</b> . A charming hardy annual plant, with umbels of beautiful Amaranthus-like flowers, very graceful and effective for edgings, hanging-baskets, or rock-work; flowers white, shaded, and spotted with purple; 9 inches.....	20
<b>STOCKS</b> ( <i>Matthiola annua</i> ). The Stock Gilli-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 <b>TEN-WEEK STOCKS</b> ( <i>Matthiola annua</i> ) are generally cultivated, and bloom from ten to twelve weeks after being sown; they grow from 6 to 13 inches high, and when grown in light, rich soil, and occasionally watered with weak guano water, they throw out an immense quantity of lateral spikes of bloom, so that each plant forms a perfect bouquet of delightful fragrance. For early flowering plants, start the seeds in a green-house or hot-bed, and transplant into the garden in May after all danger of frost is over. We offer the following varieties, imported from one of the best Prussian growers; half-hardy annuals, unless otherwise mentioned. For separate colors, see assortments of Stocks, page 44.	
Dwarf Wall-Flower-Leaved German Ten-Week. Wall-flower-leaved variety, choice double flowers of mixed colors; 15 inches.....	15
Dwarf Bouquet Ten-Week. It flowers in the shape of a bouquet, with beautiful double flowers of various shades and colors mixed; 10 inches.....	15
Perpetual Dwarf Ten-Week ( <i>Sempervirens</i> ). A double constant-blooming variety, with fine double flowers of various colors mixed; 15 inches.....	10
Large-Flowering Dwarf Ten-Week. The following are the best double varieties, and most desirable colors for cultivation; 15 inches.	
Blood-Red. Crimson. Light-Blue. Purple. Pure White..... Each	10
Mixed Colors. Of all the choice double Large-flowering Dwarf Ten-Week Stocks, producing a beautiful variety of the best colors.....	10
Intermediate, or Autumnal-Flowering. Very beautiful; choice double flowers, of fine mixed colors, for late autumn flowering; 2 feet.....	10
Brompton, or Winter. Half-hardy biennial, bushy plants; producing a beautiful display of double flowers; mixed colors; 2 feet.....	10
Perpetual, or Emperor. Half-hardy perennial; double large-flowering; of choice colors mixed; 1½ feet.	10
Perpetual, or Emperor White. A pure white, of the above perpetual variety.....	20
Hardy's All The Year Round. This beautiful variety produces fine large spikes of double white flowers from January to December in the greatest profusion, of at least 75 per cent. handsome double flowers; 1 foot.....	25
<b>SWEET SULTAN</b> ( <i>Centuurea Moschata</i> ). Sweet-scented profuse-flowering showy plants, of easy culture growing in any garden soil, and very effective in shrubbery borders, mixed of blue, purple, and white flowers; hardy annual; 2 feet.....	5
<b>SWEET WILLIAM</b> ( <i>Dianthus barbatus</i> ). A well-known attractive, free-flowering plant, which has been greatly improved of late years; producing a splendid effect in beds, and shrubbery borders, with their extreme rich and divers-colored flowers; hardy perennial; 1½ feet.	
Auricula Flowered Perfection. Choice single flowers of this beautiful class of eyed varieties, all colors mixed. Per oz., \$1.00.....	10
Fine Mixed. A single variety, of good old colors. Per oz., 50 cts.....	5
Double-Flowering. Of the finest mixed colors, from a splendid double collection. Per oz., \$2.00.....	10



1. VALERIANA VARIETY.
2. SWEET-SCENTED VIOLET.
3. SINGLE WALL-FLOWER VARIETY.
4. VINCA ROSEA VARIETY.

5. WHITLAVIA GRANDIFLORA VARIETY.
6. DOUBLE GERMAN WALL-FLOWER VARIETY.
7. VERBENA HYBRIDA VARIETY.
8. DOUBLE ZINNIA ELEGANS VARIETY.
9. DREER'S STRIPED HYBRID VERBENA.

TAGETES SIGNATA PUMILA. A dwarf, globular, compact, bushy plant, with beautiful delicate fern-like leaves, densely covered with bright yellow single flowers, with a reddish-brown stripe through the centre of each petal, valuable for borders as well as beds; half-hardy annual; height, 1 foot.....	Per packet. \$0 5
Pumila Golden Ring. This beautiful new selection from <i>Signata</i> is of an attractive rich orange color; shorter and more compact than its progenitor, very free-flowering and a really good golden orange-colored bedding plant; 10 inches.....	25
TORENIA FOURNIERI. A very fine new distinct tender annual variety from Mexico, having large sky-blue flowers, with three spots of a dark blue, and a bright yellow centre. A splendid pot plant for vases, hanging-baskets, green-house, or for growing out of doors; they make beautiful flowering plants, covered until late in the season with one mass of bloom; 15 inches.....	20
Bailioni. A valuable species, distinguished from all other <i>Torenia</i> s by the size and charming color of its flowers, which are bright golden yellow with a brownish-red throat. Associated with <i>Torenia Fournieri</i> a most beautiful effect may be obtained; 15 inches. We can highly recommend both varieties to every lover of flowers.....	20
TRACHELIUM CÆRULEUM ( <i>Throatwort</i> ). A hardy herbaceous perennial plant, with blue Campanula-like flowers blooming in August. Sow in a hot-bed in the spring, and plant out in April in a light, rich, sandy loam; 2 feet.....	10
VALERIANA, MIXED. Very showy border plants, or for mixing with shrubbery; growing in any garden soil, doing well in the shade; producing large corymbs of small bright red and white flowers mixed; hardy perennial; 2 feet.....	5
VERBENA HYBRIDA. An indispensable popular trailing bedding plant; half-hardy perennials, or treated as hardy annuals they bloom freely the first season from seed, with beautiful dazzling self-colored, striped, and variegated flowers. When a quantity is wanted, they are more readily produced from seed, than to grow them from cuttings; 1 foot.	
Candidissima. This new variety is a decided improvement on the old White Verbena, producing large trusses of the purest white flowers, and invaluable for florists' use.....	25
Coccinea. A beautiful scarlet-flowering variety.....	25
Dreer's Striped. Beautiful striped varieties of brilliant shades of colors.....	25
Auriculæflora. Beautiful colors of auricula-eyed varieties.....	25
Extra Choice Mixed. Selected from our large collection of the newest and finest named varieties and richest colors. Per oz., \$5.00.....	20
Fine Mixed Varieties. All the colors of the older varieties. Per oz., \$3.00.....	10
VERONICA SYRIACA. Very ornamental plants for garden or pot-culture, and make extremely pretty edgings for small beds, mixed of light-blue and white flowers; half-hardy annual; 6 inches.....	10
VINCA ( <i>Madagascar Periwinkle</i> ). Ornamental free-blooming bedding plants, or green-house, evergreen shrubs, with shining green foliage, requiring at all times a high temperature, and treated as tender annuals they flower from seed, if sown early, the first season, continuing until late in the autumn, or may be potted for the house before frost; height, 2 feet.	
Rosea. Rose, with a dark eye.....	10
Rosea Alba. White, with a crimson eye.....	10
Rosea Alba Pura. The flowers are of a beautiful pure white.....	10
Rosea Mixed. Of the above three colors. Per oz., \$2.00.....	10
VIOLET ( <i>Viola Odorata</i> ). Well-known fragrant early spring blooming plants for edgings, groups, or borders; thriving best in the summer, in a shady situation, in a rich, deep soil; now so extensively used by florists for forcing for cut-flowers during the fall and winter months, and can be had in bloom nearly all the year; hardy perennials; 6 inches.	
Single Blue ( <i>Odorata Semperflorens</i> ). Very sweet-scented blue flowers.....	10
Single White, The Czar ( <i>Odorata Flore albo Le Czar</i> ). A beautiful new sweet-scented white variety of great merit.....	10
VIRGINIAN STOCK ( <i>Cheiranthus Maritimus</i> ). Beautiful free-flowering little plants, very effective in small beds, edgings, or baskets, growing in any soil; mixed of all the colors; hardy annuals; 3 inches.	5
WALL-FLOWER ( <i>Cheiranthus Cheiri</i> ). Well-known deliciously fragrant garden plants, blooming early in the spring, with large conspicuous spikes of beautiful flowers; they should be protected in a cold frame in the winter, and planted out in May; are much prized for bouquet-flowers; half-hardy perennials. For assortments, see page 44.	
Finest German Double Varieties. Double mixed, of all choice colors; 2 feet.....	10
Choice Single Mixed. Single mixed, of all the best colors; 2½ feet.....	5
WHITLAVIA. Charming hardy annuals from California; fine for ribboning, mixed borders, or shady spots, with delicate foliage and clusters of beautiful bell-shaped flowers, growing freely in any garden soil, also good for baskets, vases, etc.; 1 foot.	
Grandiflora. Fine, large, violet-blue, bell-shaped flowers.....	5
Grandiflora Alba. A beautiful white variety of the above.....	5
Gloxinioides. A splendid variety, with beautiful large Gloxinia-like flowers, pure white corolla, with a delicate blue lip.....	5
ZINNIA ELEGANS, FLORE PLENO ( <i>Youth and Old Age</i> ). Double Zinnias are quite an acquisition to our list of garden favorites; of branching habit and splendid brilliant-colored double flowers, rivalling in beauty and form moderate-sized Dahlias. Summer and fall-flowering plants, producing a great profusion of rich and varied-colored flowers until killed by frost. The seed can be sown early in the hot-bed and transplanted, or later out in the open ground; half-hardy annuals; 2 feet. For separate colors, see assortments of Double Zinnias, page 44.	
White. Well-shaped pure white flowers, fine for florists' use.....	10
Extra Choice Mixed. Saved from selected double flowers. Per oz., \$1.00.....	5
Pumila Flore Pleno. A new choice strain of dwarf extra-double varieties, quite distinct from the above, of splendid rich colors mixed. 1 foot.....	10
Haageana. A splendid double variety; flowers deep orange, margined with yellow, keeping its color when dried as a winter flower.....	10

SEEDS OF CLIMBING PLANTS.

Climbers are truly nature's drapery, and art cannot equal their graceful elegance. They are indispensable, useful, and very ornamental plants, for covering old buildings, walls, arbors, trellises, and stumps with graceful foliage, and beautiful, rich-colored, various-shaped flowers in the greatest profusion; the strong growing varieties for large 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 being thus neglected. The tender varieties should be sown in February and March in the green-house or hot-bed, as the display for the season will be in proportion to their early vigor; they are as follows: Cobæa, Ecce-mocarpus, Lophospermum, Maurandia, Thunbergia, Tropæolum, etc. . . . . Per packet:

ABOBRA VIRIDIFLORA. A rapid-growing ornamental plant of the gourd species, fruiting the first year from seed; with beautiful finely-cut, glossy, dark green foliage, and small oval bright scarlet fruit; half-hardy perennial; height, 10 feet.....	\$	10
ADLUMIA CIRRHOSA ( <i>Mountain Fringe, or Allegheny Vine</i> ). An attractive and beautiful plant, flowering the first season, of graceful habit and pale green delicate foliage, with clusters of small rosy-lilac flowers; hardy biennial; 15 feet.....		10
ARISTOLOCHIA SIPHO ( <i>Dutchman's Pipe</i> ). A rapid-growing plant, with large heart-shaped foliage, and very curious yellow and brownish purple flowers, resembling a pipe; hardy perennial; 30 feet.....		10
BALLOON VINE, OR LOVE IN A PUFF ( <i>Cardiospermum Halicacabum</i> ). A rapid-growing plant; succeeds best in a light soil and warm situation; flowers white, producing inflated membranous capsules; half-hardy annual; 5 feet. Per oz., 50 cents.....		5
BRYONOPSIS LACINIOSA ERYTHROCARPA. A beautiful plant of the gourd species, with ivy-like pale green foliage and showy scarlet fruit, striped with white; half-hardy annual; 10 feet.....		5
CLEMATIS. Rapid-growing climbers, fine for arbors and verandas, the small varieties flowering in clusters, and are very fragrant; the large-flowering varieties are very handsome, and covered with beautiful bloom. Soak the seed in warm water for 24 hours before sowing; hardy perennials; 15 feet.		
Flammula ( <i>Virgin's Bower</i> ). Producing beautiful clusters of small white fragrant flowers.....		10
Vitalba ( <i>Traveler's Joy</i> ). Clusters of fragrant small white flowers.....		10
Hybrida Grandiflora, Mixed. Handsome large-flowering varieties, of beautiful colors.....		20
COBÆA SCANDENS. A half-hardy perennial summer climber of rapid growth, flowering the first season if sown early in the hot-house or hot-bed, with large, bell-shaped purple flowers. In sowing, place seeds edgewise and merely cover with light soil; 20 feet.....		10
COCCINEA INDICA. A handsome climber of the gourd species, flowering the first season if started early in heat, with beautiful smooth, glossy, ivy-like leaves, contrasting with the fine, snow-white, bell-shaped flowers, and brilliant carmine fruit; half-hardy perennial; 10 feet.....		10
CONVOLVULUS MAJOR ( <i>Morning Glory</i> ). One of our popular free-flowering and most rapid growing plants in cultivation, thriving in almost any situation; the beauty and delicacy of their brilliant colors are unsurpassed; hardy annuals; 15 feet.		
Large Blue. Large White.....	Each	5
Burridge. Flowers large rosy crimson, with a white centre.....		5
Choice Mixed. Of all colors. Per oz., 20 cents.....		5
Aureus Superbus. Beautiful golden-yellow flowers; 6 feet.....		10
CYCLANTHERA EXPLODENS. A climbing plant of the gourd species, free-growing, handsome foliage and oval-shaped fruit, exploding loudly when ripe; half-hardy annual; 10 feet.....		5
CYPRESS VINE ( <i>Ipomœa quamoclit</i> ). One of our most popular vines, with very delicate, fern-like foliage, and masses of beautiful small, star-shaped flowers. Sow these seed about the 10th of May, as they are apt to rot in the ground if sown too early, or early in the green-house and transplant; half-hardy annual; 15 feet.		
Crimson. White. Mixed. White and crimson. Each, per oz., 50 cents.....	Each	5
Hederæfolia Coccinea ( <i>Scarlet Ivy-leaved</i> ). A new attractive rapid climbing variety, with deeply lobed, ivy-like leaves, and small, fiery scarlet flowers, produced in profusion the whole summer. Per oz., \$1.00.		10
ECCEMOCARPUS SCABER ( <i>Calampelis</i> ). A rapid-growing climber, with pretty foliage; producing in profusion clusters of orange tube-shaped flowers. Handle with gloves, as it stings like the nettle; half-hardy annual; 10 feet.....		5
GOURD, ORNAMENTAL ( <i>Cucurbita</i> ). A rapid-growing, interesting plant, with ornamental foliage and varieties of singular-shaped fruit; tender annual; 15 to 20 feet.		
Calabash. The Dipper variety. Hercules' Club. Club-shaped; 4 feet long.....	Each	5
Egg-Shaped. Fruit white like an egg. Orange-Shaped, or Mock Orange.....	Each	5
Fine Mixed. From a large collection. Per oz., 50 cts.....		5
Argyrosperma. From Texas; known as the Dish Rag, or Bonnet Gourd.....		10
Tricosanthes Colubrina ( <i>True Serpent Gourd</i> ). Striped like a serpent, changing to brilliant carmine when ripe; 5 feet in length.....		10
HYACINTH BEAN ( <i>Dolichos Lablab</i> ). A rapid-growing plant, flowering freely in clusters, for covering arbors, trellises, etc. Sow the seed in the garden where desired; tender annual; 10 feet.		
Purpurea. Purple flowers, and purple seed-pods. Alba. Pure white.....	Each	5
Mixed. Of the above two colors. Per oz., 30 cts.....		5
IPOMŒA ( <i>Morning Glory Variety</i> ). Tender annuals of rapid growth, with beautiful and most-varied-colored flowers, lobated foliage, and very ornamental; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable, also for house culture; 15 feet.		
Coccinea. Small scarlet flowers in profusion; also known as the Star "Ipomœa".....		5
Limbata. Violet, margined with white, large and handsome.....		5
Striata Nova. A beautiful three-colored striped variety.....		5
Grandiflora Superba. Large blue flowers, with a broad white border.....		5
Choice Mixed Varieties. Of all colors. Per oz., 50 cts.....		5
Huberi. The new Japanese Hybrids; some have silvery-white, marbled foliage, and all with large trumpet-shaped flowers beautifully margined, of various colors; mixed of all varieties and colors. Per oz., 80 cts.		10
Bona Nox ( <i>Evening Glory</i> ). Violet, large fragrant flowers, expanding in the evening.....		10





1. LOASA LATERITIA.  
 2. IPOMŒA HUBEI VARIETY, OR  
 JAPANESE HYBRIDS.  
 3. MAURANDIA VARIETY.  
 4. PASSIFLORA INCARNATA.

5. TRICOSANTHES COLUBRINA, OR  
 SERPENT GOURD.  
 6. COBÆA SCANDENS.  
 7. CYPRESS VINE VARIETY.  
 8. SMALL ORNAMENTAL GOURDS.

9. TROPŒOLUM MAJUS VARIETY, OR  
 TALL NASTURTIUM.  
 10. IVY-LEAVED CYPRESS VINE.  
 11. THUNBERGIA VARIETY, OR BLACK-  
 EYED SUSAN.

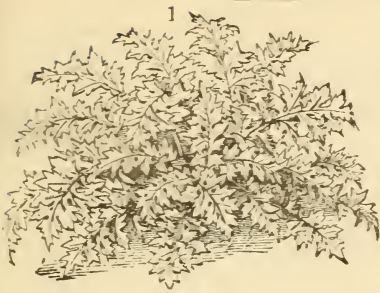
	Per packet.
LATHYRUS LATIFOLIUS, MIXED ( <i>Everlasting Pea</i> ). Showy, free-flowering plants, for covering old stumps, fences, etc. Flowers purple and white; hardy perennials; height, 5 feet. Per oz., 80 cts.	\$0 5
LOASA LATERITIA. A half-hardy perennial, flowering the first season; rapid-growing; free-flowering, with curious and beautiful orange-red flowers. Handle with gloves, as it stings like the nettle; 6 feet.	10
LOPHOSPERMUM SCANDENS. Highly ornamental and effective for the garden or conservatory, with showy, fox-glove-like, rosy purple flowers; requires a light, rich soil; half-hardy annual; 10 feet.	10
MAURANDIA. Beautiful, rapid, slender-growing plant, blooming profusely until late in the autumn; also fine for the conservatory or green-house; if desired for the house take up before the approach of frost. This summer climber cannot be too highly recommended as a half-hardy perennial, flowering the first season if sown early, and should be started in the hot-bed or green-house; 10 feet.	
Albiflora. Pure white. Barclayana. Purple. Rosea. Dark rose.	Each 10
Mixed. Of all colors.	10
MOMORDICA ( <i>Balsam Apple</i> ). Very curious trailing vines, with ornamental foliage and remarkable fruit of a golden-yellow, warted, and when ripe, opens, showing the seeds and its brilliant carmine interior; fine for rock-work, stumps, etc.; half-hardy annual; 10 feet.	
Balsamina. Apple-shaped fruit. Charantia. Long pear-shaped fruit. Per oz., 50 cts.	Each 5
PASSIFLORA INCARNATA. A hardy herbaceous perennial variety, requiring but a slight protection of leaves during the winter; foliage smooth, tri-lobed, flowers large, nearly white, with a triple purple and flesh-colored crown; 20 feet.	25
Gracilis. An annual variety, with a great profusion of white flowers in the month of August; 6 feet.	10
SWEET PEAS ( <i>Lathyrus Odoratus</i> ). Beautiful, fragrant, free-flowering plants, thriving in any open situation; fine for screening unsightly objects; supported on pea-sticks or brush; blooming all summer and autumn if the flowers are cut freely, and the pods picked off as they appear; hardy annuals; 6 feet.	
Scarlet Invincible. With beautiful bright scarlet flowers in great profusion.	5
Light Blue. Purple. Striped. Tricolor, or Three-colored and White.	Each 5
Mixed. Of all colors. Per lb., \$1.00; oz., 15 cts. Separate colors. Each per oz., 20 cts.	5
THUNBERGIA ( <i>Black-Eyed Susan</i> ). Ornamental climbers, thriving in a light, rich, loamy soil, in warm exposed situations in the garden; beautiful, slender, rapid-growing plants, with pretty-colored flowers, and constantly in bloom; fine for vases, rustic work, or green-house culture; half-hardy annuals; 4 feet.	
Alba. White, with a dark eye. Alata. Buff, with a dark eye.	Each 5
Aurantiaca. Orange, with a dark eye. Bakeri. Pure white.	Each 5
Mixed. Of all colors. Per oz., 60 cts.	5
TROPÆOLUM ( <i>Nasturtium Majus Varieties</i> ). Well known, elegant, profuse flowering plants for verandas, trellises, etc., for either in or out-door culture. The seed-pods can be gathered while green and tender, for pickling; hardy annuals; 10 feet.	
King Theodore. A new variety, having bluish-green foliage and almost black flowers.	10
Large Dark Crimson. Showy flowers.	5
Mixed Varieties. Of all colors. Per oz., 30 cts.	5
Canary Bird Flower ( <i>Pepergrinum</i> ). With yellow canary-like flowers; very ornamental and beautiful foliage; half-hardy annual.	10

For Green-house Climbers, see List of Seeds under the head of Green-house Plants, page 76.

### SEEDS OF ORNAMENTAL FOLIAGE PLANTS.

They have become very popular for ornamental gardening, and produce a sub-tropical effect; for planting in groups and massing, also for ribbons and edgings. The following varieties can be readily grown from seed. Sowing the Half-hardy and Tender Varieties from February to April in shallow boxes, etc.; and placed on a hot-bed or in the green-house. See full directions on pages 42 and 43.

	Per packet.
ACANTHUS, MIXED. A stately and beautiful ornamental plant. From the leaf of "Acanthus Mollis," the capital of the Corinthian column is derived. Growing freely in any rich, loamy soil; mixed varieties; hardy perennials; height, 3 feet.	\$0 10
AMARANTHUS. Showy garden plants; very effective in groups, for the centre of beds or flower borders; the colors are most brilliant in rather poor soil and in a dry season; half-hardy annuals.	
Bicolor Ruber. Foliage green, scarlet, and maroon, sometimes tipped with yellow; 3 feet.	5
Gordoni, or Sunrise. 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; 3 feet.	10
Henderi. Of graceful pyramidal growth and long drooping leaves, producing a sub-tropical effect; the leaves are brown, madder, and bronze; 4 feet.	10
Melanolicus Ruber. Of dwarf, compact habit, with striking blood-red foliage; 2 feet.	5
Salicifolius ( <i>Fountain Plant</i> ). Of a pyramidal graceful drooping habit, 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 feet. Per oz., \$1.00.	5
Tricolor ( <i>Joseph's Coat</i> ). Leaves red, yellow, and green; a very handsome plant; 3 feet. Per oz., 60 cts.	5
BOCCONIA JAPONICA. A beautiful, effective plant, for single specimens or groups on lawns. Foliage white on the under side, and spikes of cream-colored flowers from 2 to 3 feet long; hardy perennial; 5 feet.	10
CANNA ( <i>Indian Shot-Plant</i> ). A stately species of plants, having been much improved of late years, and are very highly ornamental, producing a rich and oriental effect by their large, broad, and massive foliage, terminated by racemes of crimson, orange, or scarlet variously lobed beautiful flowers. Soak the seed 12 hours in hot water before planting, sow in sandy loam and peat, and place in a hot-bed; when up to the second leaf, pot off singly and keep under glass until the proper season for planting out; take up the roots before frost, and preserve in a warm cellar or room; half-hardy perennials. For plants and illustration, see page 103.	
Bihorelli. Scarlet, free-blooming, with rich brown leaves; a dwarf, showy plant; 2 feet.	10
Bonneti Excelsa. Foliage olive green and purple; flowers very large orange-red; 6 feet.	10
Coquette. Foliage green and bronze; the largest orange-colored flowers; 6 feet.	10
Marechal Vaillant. Foliage rich maroon, with large orange-colored flowers; 6 feet.	10



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|---|---|---|
| 1. CENTAUREA CLEMENTEI.                 | 6. YUCCA FILAMENTOSA, OR ADAM'S NEEDLE. | 10. AMARANTHUS SALICIFOLIUS, OR FOUNTAIN PLANT.       |
| 2. CENTAUREA GYMNOCARPA.                | 7. BOCCONIA JAPONICA.                   | 11. CINERARIA MARITIMA CANDIDISSIMA, OR DUSTY MILLER. |
| 3. AMARANTHUS CAUDATUS, OR SUNRISE.     | 8. PERILLA NANKINENSIS VARIETY.         | 12. AMARANTHUS TRICOLOR, OR JOSEPH'S COAT.            |
| 4. CENTAUREA CANDIDISSIMA.              | 9. RICINUS VARIETY, OR CASTOR OIL BEAN. |   |
| 5. CANNA VARIETY, OR INDIAN SHOT PLANT. |   |   |

<b>CANNA</b> ( <i>Indian Shot-Plant</i> )—Continued.		Per packet.
Monsieur Allegatier.	Foliage large, green, and bronzy purple, large orange-red flowers; height, 4 feet.	\$0 10
Nigricans.	Scarlet flowers, and foliage intensely dark; 7 feet.	10
Ornement du Grand Rond.	Foliage bronzy green, large scarlet flowers; 6 feet.	10
Premices de Nice.	Showy bright green leaves and splendid large golden flowers; 6 feet.	10
President Faivre.	Foliage bronzy maroon, and large brilliant crimson flowers; 6 feet.	10
Tricolor.	Foliage three-colored, green, red and creamy yellow, flowers blood-red; 3 feet.	10
Choice Mixed.	Of all colors and varieties. Per oz., 50 cts.	5
<b>CENTAUREA.</b> Fine for bedding, vases, hanging-baskets, and pots; also extensively used for margins. Sow the seed from December to April in a temperature of 60 degrees; half-hardy perennials. (See illustrations on page 71.)		
Gymnocarpa.	A very graceful, fine cut, silvery-gray foliage variety; 1½ feet. Per 1,000 seeds, \$2.00.	20
Candidissima.	A splendid silvery broad cut-leaved variety; 1 foot. Per 1,000 seeds, \$2.00.	20
Clementei.	A robust, free-growing plant, with crowns of beautiful silvery leaves, deeply fringed and cut in lobes, covered with a snowy-white down; 1½ feet.	20
<b>CINERARIA</b> ( <i>Dusty Miller</i> ). Fine for bedding, ribbon beds, and margins; prized for their beautiful downy silvery foliage; for edgings they must be kept pinched to dwarf the plants and prevent their flowering; half-hardy perennials; 2 feet. (See illustration.)		
Martima Candidissima.	With large silver foliage and clusters of yellow flowers. Per oz., \$2.00.	10
Acanthifolia.	Silvery foliage, beautifully cut like the Acanthus.	10
<b>ECHEVERIA METALLICA.</b> Broad, succulent, saucer-shaped leaves, of a peculiar lilac and metallic tinge. In the winter, in the green-house, it throws up large spikes of beautiful red flowers, which continue for months; it grows freely in the open ground for summer bedding; tender perennial; 2 feet.		
Secunda Glauca.	A handsome small silvery-gray foliage variety.	25
<b>EUPHORBIA</b> ( <i>Variegated Spurge</i> ). Showy foliage plants, for the garden or house; hardy annuals.		
Pandurata.	A new, fine bushy variety, with beautiful red-striped foliage; 3 feet.	10
Variegata	( <i>Snow on the Mountain</i> ). Attractive foliage, with white and green bracts on the tip of each branch, veined and margined with white; 2 feet.	5
<b>GLAUCIUM CORNICULATUM</b> ( <i>Horn Poppy</i> ). An ornamental foliage plant, for margins, etc., with long, recurved, silvery leaves, deeply cut to the rib, forming two rows of leaflets; of vigorous growth, contrasting finely with colored foliage plants. Flowers are orange-yellow, bell-shaped and drooping. Sow the seed early in the green-house; hardy biennial; 2 feet. Per oz., \$2.00.		
<b>HUMEA ELEGANS.</b> A handsome decorative plant, producing drooping pyramids of ruby-red, grass-like florets, either for pots or gardens. It should be grown in light, rich soil; half-hardy biennial; 8 feet.		
<b>MAIZE, STRIPED-LEAVED JAPANESE</b> ( <i>Zea Japonica Variegata</i> ). An ornamental corn, beautifully striped with green and white; fine for groups on the lawn; hardy annual; 4 feet. Per oz., 20 cts.		
<b>PERILLA NANKINENSIS ATROPURPUREUS LACINIATIS.</b> The foliage of this beautiful variety is exceedingly elegant, of a very dark purple, cut or fringed, producing a charming effect and forming a fine contrast with silvery-leaved plants; growing freely in any soil; half-hardy annual; 1½ feet.		
<b>PYRETHRUM</b> ( <i>Golden Feather Varieties</i> ). Handsome herbaceous plants, of easy culture; valuable for margins, beds, etc. Sow from December to April in a temperature of 60 degrees; hardy perennials.		
Aureum.	An ornamental golden yellow foliage plant, for ribbon gardening; 6 inches. Per oz., \$3.00.	10
Aureum Laciniatum.	A new, yellow lacerated or fringed foliage variety; 4 inches.	10
Aureum Selaginoides.	This new variety is quite distinct and novel, the flat golden foliage resembling two fronds of some species of Ferns; this peculiarity, with its dwarf, compact habit, adds to its beauty.	20
Golden Gem.	A valuable bedding plant, producing large double white flowers, which continue in bloom from May until killed by frost; the leaves are brighter than the old Golden Feather, and also fine for ribbon beds if the flowering stems are removed; 2 feet.	10
<b>RICINUS</b> ( <i>Castor Oil Bean</i> ). Highly ornamental plants of stately growth and picturesque foliage, with brilliant-colored fruit, producing an oriental or sub-tropical effect; fine for lawns and pleasure-grounds, also for massing and centre plants for ribbon beds; half-hardy annuals.		
Borboniensis Arboreus.	Very large and beautiful foliage; 15 feet.	5
Curulecens.	Producing very fine, bluish-green leaves and fruit.	5
Gibsoni, or Duchesse of Edinburgh.	A bronzed-leaved variety of this useful group of plants, of dwarf branching habit, and differs from all other varieties by its intense deep red-colored foliage; 5 feet.	5
Sanguineus.	Very ornamental, blood-red stalks and clusters of splendid red fruit; 8 feet.	5
Species from Philippines.	A new variety from the Philippines, with beautiful gigantic foliage; 10 feet.	5
Tricolor.	Green and brown-spotted red fruit, with red stalks; 6 feet.	5
Fine Mixed.	Of all good varieties. Per oz., 50 cts.	5
<b>SOLANUM.</b> Beautiful fruit-bearing plants (not edible), among the most interesting green-house shrubs; fine for groups on lawns or single specimens, growing freely in a light, rich soil; half-hardy perennials, fruiting the first season from seed.		
Ciliatum.	A brilliant scarlet fruiting variety about 1 inch in diameter, which retains its bright color and form long after ripe; fine for Christmas decorations; half-hardy annual; 2 feet.	5
Warszewiczii.	Immense lobed leaves of a dark green color, rich inflorescence and ornamental fruit; when planted in masses produces a grand effect; 6 feet.	10
Wheeleri.	An improvement on the old Jerusalem Cherry, with splendid small oval red fruit; 2 feet.	10
Fine Mixed.	Of different varieties and colors.	10
<b>TOBACCO, VARIEGATED FOLIAGE</b> ( <i>Nicotiana Variegata</i> ). A beautiful new variegated variety, with showy white and green foliage; half-hardy annual; 4 feet.		
<b>WIGANDIA CARACASANA.</b> A grand and stately ornamental plant, with beautiful large leaves 3 feet long and 1½ feet wide, richly veined, and stems covered with crimson hairs, imparting a sub-tropical effect to the garden; half-hardy perennial; 6 feet.		
<b>YUCCA FILAMENTOSA</b> ( <i>Adam's Needle</i> ). A splendid plant, requires several years to grow to perfection from seed; with large clusters of creamy-white tulip-like flowers on tall stems; hardy perennial; 3 feet.		

SEEDS OF EVERLASTING FLOWERS.

This class of plants has become very popular, and they are generally cultivated for their beautiful rich-colored flowers, which are desirable for making up winter bouquets, wreaths, and Christmas decorations, and acceptable holiday presents. They should be cut when they come into full bloom, or before the flowers get too old and lose their bright colors, tied in small bunches, and dried slowly in the shade, with their heads downwards, to keep the stems straight.

Per packet

<b>ACROELINIUM.</b> Charming border plants with beautiful flowers, growing freely in any good garden soil; cut before they fully expand; half-hardy annuals; height, 1 foot.	
Roseum. Bright rose. <b>Album.</b> Pure white. <b>Mixed.</b> Of the two colors. Per oz., 60 cts.	Each \$0 5
<b>Roseum Flore Pleno.</b> This new double rose-colored variety for the garden or bouquets is the best Immortelle yet introduced. The flowers are larger than the single, plant taller and more branching; 15 inches.	25
<b>AMMOBIUM.</b> A pretty useful border plant, growing in any garden soil, which is so much used as an everlasting flower for winter bouquets; hardy annual; 2 feet.	
<b>Alatum.</b> Showy small white flowers.	5
<b>Alatum Grandiflora.</b> The flowers of this new variety are pure white and double the size of the old sort.	15
<b>GOMPHRENA (Globe Amaranthus).</b> Requires a light, rich soil; it produces handsome flowers of various colors, known as the <i>Bachelor's Button</i> . It does best if sown in a hot-bed; half-hardy annuals; 2 feet.	
<b>Alba.</b> Pure white. <b>Purpurea.</b> Rich crimson. <b>Aurea.</b> Orange-colored.	Each 5
<b>Striata.</b> Red and white striped. <b>Mixed.</b> Of all colors. Per oz., 50 cts.	Each 5
<b>Nana Compacta.</b> A new dwarf variety, of densely bushy habit and rich foliage, covered with rich deep violet red flowers; fine for bedding and market purposes; 6 inches.	10
<b>HELICHRYSUM.</b> Exceedingly effective choice double flowers, making a fine display in beds or borders; they succeed in any rich garden soil; hardy annuals; 1½ feet.	
<b>Album.</b> Pure white. <b>Lucidum.</b> Yellow. <b>Macranthum.</b> Large pink flowers.	Each 5
<b>Atro-Sanguineum Nanum.</b> A new dwarf variety, with deep crimson flowers; 1 foot.	5
<b>Finest Mixed.</b> Of all varieties and colors. Per oz., \$1.00.	5
<b>HELIPTERUM SANFORDI.</b> A very pretty border plant of dwarf tufted habit, with neat foliage and large globular clusters of bright golden-yellow flowers; they should be cut as soon as they begin to expand in bloom; tender annual; 1 foot.	10
<b>RHODANTHE.</b> A delicate and charming plant; succeeds in a light, rich soil, and a warm, sheltered situation; valuable for pot or border culture; half-hardy annuals; 1 foot.	
<b>Atro-Sanguinea.</b> Disk of the flowers of a dark crimson shade, with ray scales of bright purple.	10
<b>Maculata Alba.</b> Flowers silvery white with a yellow disk.	10
<b>Manglesi.</b> Bright rose with a silvery calyx. <b>Fine Mixed.</b> Of all the single varieties and colors.	Each 10
<b>Manglesi Flore Pleno (Prince Bismarck).</b> This new double variety is undoubtedly a great acquisition, well worthy of extensive cultivation, and will produce a good percentage of double bright rose-colored flowers, while the single flowers from it are all very desirable.	25
<b>STATICE.</b> An interesting plant with showy blossoms, which remain a long time in bloom; free-flowering and of easy culture; half-hardy annuals; 1 foot.	
<b>Spicata.</b> Fine for beds, edgings, or pot-culture; producing numerous ear-like spikes of rosy pink flowers.	10
<b>Sinuata Hybrida, Mixed.</b> Of different colors.	5
<b>Incana Hybrida, Mixed.</b> Small flowering varieties; fine for <i>Grass Bouquets</i> ; half-hardy perennial.	5
<b>WAITZIA GRANDIFLORA.</b> Handsome plants, bearing beautiful clusters of large golden yellow flowers; of easy culture for pots or garden, thriving in any good, light soil; hardy annual; 1½ feet.	20
<b>XERANTHEMUM.</b> Showy double free-flowering compact-growing border plants; hardy annuals; 2 feet.	
<b>Imperialis.</b> Deep purplish violet. <b>White.</b> Pure white. <b>Mixed.</b> Of all colors.	Each 5
<b>Superbissimum Flore Pleno.</b> This new strain has globular-shaped flowers, as double as the <i>Ranunculus</i> , and entirely free from projecting marginal ray florets.	
<b>Alba.</b> Pure white. <b>Atropurpurea.</b> Reddish purple.	Each 15



1. RHODANTHE VARIETY. 2. ACROELINIUM ROSEUM. 3. AMMOBIUM ALATUM. 4 and 5. XERANTHEMUM VARIETIES. 6. HELICHRYSUM VARIETY. 7. HELIPTERUM SANFORDI.

## 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 flowers get 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 perennials should be marked, so they will not be destroyed for weeds. Sow the seeds in the spring, in a temperature of 60 degrees, in shallow boxes, in light soil; press the seeds with a smooth board into the soil, and sift over soil enough merely to cover the seeds; transplant to the garden in May; also sow seeds in the open ground in May, and transplant or thin them out so as to give sufficient space for each to grow.

AGROSTIS. All the varieties of this class are exceedingly beautiful, feathery and graceful; of dwarf growth; hardy annuals; height, 1 foot.	Per packet.
Nebulosa. One of the most elegant fine grasses.....	\$ 5
Mixed. Of all the varieties.....	5
ANDROPOGON ARGENTEUS. Plants with silvery green foliage, and beautiful silvery plumes, fine for groups or massing; hardy perennial; 5 feet.....	10
ARUNDO CONSPICUA ( <i>New Zealand Pampas Grass</i> ). A variety similar to the Pampas, with long, graceful, drooping leaves, and silvery plumes, on stems 10 feet high; fine for specimens on lawns or for massing in clumps; hardy perennial.....	20
AVENA STERILIS ( <i>Animated Oats</i> ). With pretty, large, drooping spikes, on slender stems; hardy annual; 2½ feet. Per oz., 60 cts.....	5
BRIZA ( <i>Rattlesnake or Quaking Grass</i> ). A beautiful variety, in great demand for ornamental work and grass bouquets; hardy annual; 1 foot.	
Compacta. A new, erect, compact, splendid variety; with elegant rattles.....	5
Gracilis. Small, delicate and graceful racemes of rattles.....	5
Maxima. Large racemes of beautiful rattles. Per oz., 60 cts.....	5
BRIZOPYRUM SICULUM. A very pretty dwarf plant, with shining green leaves; fine for edgings and bouquets; hardy annual; 8 inches.....	5
BROMUS BRIZÆFORMIS. A graceful variety, with drooping panicles resembling the Briza Maxima, and in great demand for florists' use; hardy perennial, flowering the first season; 1 foot. Per oz., 60 cts.	5
CHLORIS TRUNCATA. With an abundance of foliage and fine silvery plumes; elegant for bedding in groups; hardy annual; 2 feet.....	5
CHRYSURUS CYNOSUROIDES ( <i>Lamarckia Aurea</i> ). Dwarf, with fine yellowish feathery spikes; useful for bouquets; hardy annual; 8 inches.....	5
COIX LACHRYMÆ ( <i>Job's Tears</i> ). With broad, corn-like leaves, and hard, shining, pearly seeds, resembling falling tears; often used for beads for a rosary; half-hardy annual; 2 feet. Per oz., 30 cts.....	5
ELEUSINE BARCINONENSIS. Curious-looking bloom, with stems resembling horns; elegant for pot-culture; hardy annual; 1 foot.....	10
ERAGROSTIS, MIXED ( <i>Love Grass</i> ). Exceedingly pretty and ornamental; a favorite and graceful grass; mixed varieties; hardy annual; 2 feet.....	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 if sown very early in the green-house or hot-bed; 10 feet.....	10
EULALIA JAPONICA. A new and distinct, perfectly hardy perennial, ornamental, easily cultivated grass from Japan. It has long narrow leaves, striped white and green; elegantly recurved flower-spikes of a light violet color, not unlike a curled ostrich feather, borne on stems 6 feet high.....	20
FESTUCA RIGIDA. A curious dwarf variety; fine for bouquets; hardy annual; 6 inches.....	5
GYMNOTHRIX LATIFOLIA. A splendid variety for single specimens on lawns, and is highly ornamental; half-hardy perennial; 10 feet.....	20
GYNERIUM ( <i>Pampas Grass</i> ). Half-hardy perennials, blooming the second season from seed; will stand out over winter, if protected with straw, leaves, or lay down and cover up with earth; the most noble grass in cultivation; producing beautiful plumes on stems from 6 to 10 feet high.	
Argenteum. With splendid white silvery plumes.....	10
Argenteum Foliis Variegatis. With variegated foliage; and beautiful large silvery plumes.....	15
HORDEUM JUBATUM ( <i>Squirrel Tail Grass</i> ). Very handsome and lovely light purple plumes; hardy annual; 3 feet.....	5
ISOLEPSIS GRACILIS. A dwarf, very graceful grass, suitable for baskets, vases, etc.; half-hardy perennial; 6 inches.....	20
LAGURUS OVATUS ( <i>Hare's Tail Grass</i> ). Beautiful small white heads or spikes of bloom, excellent for bouquets; hardy annual; 1 foot.....	5
LASIAGROSTIS ARGENTEA. A very beautiful silvery-white grass, fine for ornamental work and grass bouquets; hardy perennial; 2 feet.....	5
MILIUM MULTIFLORUM ( <i>Pearl Grass</i> ). A very graceful variety; hardy annual; 2 feet.....	5
PANICUM SULCATUM. Beautiful palm-like foliage, very decorative, half-hardy annual; 2 feet.....	10
PENNISETUM LONGISTILUM ( <i>Villosum</i> ). A very graceful, handsome and interesting plant; hardy annual; 1½ feet.....	5
PHALARIS ARUNDINACEA. A beautiful variety of striped Ribbon Grass; hardy perennial; 3 feet.....	5
SETARIA MACROCHETA. An elegant plant, with graceful, drooping plumes; hardy annual; 2 feet.....	5
STIPA ( <i>Feather Grass</i> ). A hardy perennial plant, with beautiful, delicate, white, feathery bloom; in great demand for ornamental work and florists' use, flowering the second season from seed. The seed being slow to vegetate, it should be started in a hot-bed; 2 feet.	
Pennata. One of the most graceful of all grasses, producing very delicate, feathery-like stems of bloom, imparting a light appearance to bouquets, etc. Per oz., \$1.00.....	10
Elegantissima. A superb variety of the above, fine for pot or border-culture.....	10
TRICHOLOENA ROSEA. A very beautiful rose-tinted grass; hardy perennial, flow-ring the first season from seed; 2 feet.....	10



1. CHRYSURUS CYNOSUROIDES.

2. BROMUS BRIZIFORMIS.

3. ERIANTHUS RAVENNE.

4. LAGURUS OVATUS, OR HARE'S TAIL GRASS.

5. STIPA PENNATA.

6. COIX LACHRYME, OR JOB'S TEARS.

7. HORDEUM JUBATUM, OR SQUIRREL TAIL GRASS

8. AGROSTIS VARIETY.

9. BRIZA GRACILIS, OR RATTLESNAKE GRASS

10. BRIZA MAXIMA, OR QUAKING GRASS.

11. GYNERIUM ARGENTEUM, OR PAMPAS GRASS.

## SEEDS OF GREEN AND HOT-HOUSE PLANTS.

The following varieties can be grown successfully from seed, by proper care and attention. For method of sowing, etc., refer to pages 42, 43 and 44. The varieties with an \* are suitable for bedding out during the summer. Some of the green-house seeds are very small and delicate, requiring the greatest care to ensure success; being natives of milder climates, we must endeavor to supply their wants artificially, as near as possible, to suit the climate they come from, which usually is warmth, moisture and the proper soil and drainage.

	Per packet.
* <b>ABUTILON</b> ( <i>Chinese Bell-Flower</i> ). Green-house shrubs of strong growth and easy cultivation; free-flowering, with various-colored, beautiful drooping bell-shaped flowers. Sown any time before April, in a temperature of 60 degrees, they will produce fine flowering plants the first season.	
Darwini. A constant bloomer, producing 3 to 5 flowers from the axils of each leaf, 2 inches in diameter; large, light yellow, veined with crimson, the flowers resemble a parasol; height, 2 feet.....	\$0 25
Fine Mixed. Of choice varieties and colors; 2 to 6 feet.....	25
<b>ACACIA, MIXED</b> . Green-house shrubs of great elegance and variety; fine cut ornamental foliage, and beautiful racemes of various shades of yellow globular flowers. Soak the seed in warm water before sowing. Fine varieties; 6 to 10 feet.....	20
* <b>AGAPANTHUS UMBELLATUS</b> ( <i>Blue African Lily</i> ). Bulbous-rooted, with evergreen foliage and large heads of small blue flowers. The roots can be preserved during the winter, in a cellar protected from frost, or under the stage of a green-house; 3 feet.....	20
<b>ALLAMANDA SCHOTTI</b> . A beautiful hot-house evergreen climber, with splendid large yellow flowers.	25
* <b>ALSTROEMERIA CHILENSIS, MIXED</b> ( <i>Putchella</i> ). Beautiful, free-flowering, tuberous-rooted plants; do best in a southern sheltered position, or for the green-house; half-hardy perennial; 1½ feet..	20
<b>AMARYLLIS HYBRIDA, MIXED</b> . Bulbous-rooted plants, producing from 2 to 4 of the richest colored crimson, scarlet, and white-striped, lily-like flowers; 1½ feet.....	25
<b>ANGELONIA, Grandiflora Atropurpurea</b> . A beautiful green-house shrubby plant. If sown early will flower the first season, and can be treated as a tender annual. Famous for its fragrance; spikes of dark purplish brown flowers, with a white eye.....	25
* <b>ASCLEPIAS CURASSAVICA</b> . An herbaceous plant, with singular-shaped scarlet flowers; 3 feet.....	10
* <b>AURICULA, MIXED</b> . A well-known favorite of great beauty; seed saved from splendid choice varieties; half-hardy perennial; 6 inches.....	25
<b>AZALEA INDICA, MIXED</b> . Beautiful shrubby plants, covered with a mass of bloom, grow best in a mixture of rich, fibrous peat and sand; saved from a collection of showy, various-colored flowers; 3 ft.	25
<b>BEGONIA, REX HYBRIDA, MIXED</b> . Beautiful varieties of the <i>Rex</i> class, with handsome variegated foliage, fine for bedding out in warm, shady places; choice mixed perennials; 6 inches.....	25
* <b>BEGONIA</b> ( <i>New Hybrid, tuberous-rooted</i> ). These splendid varieties, growing from 12 to 18 inches high, of a branching habit, are covered the whole summer with bright and elegant drooping flowers, in a partially shaded border; blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees; for winter and spring blooming, sow from August to October. Tubers to be taken up and kept from frost in dry sand during the winter. Treat them the same as tender annuals.	
Bojiviensis Superba. Large, orange-scarlet flowers.....	25
Frœbeli. This has beautiful large bright scarlet flowers, formed in large clusters above the foliage.....	25
Orange Perfection. Produces various shades, from chrome yellow to the deepest orange.....	25
Pearcei. Large bright yellow flowers, and beautiful foliage veined with black.....	25
Robusta Perfecta. Remarkable for its robust, compact habit, succulent dark green foliage, and large flowers of a brilliant cinnabar-scarlet.....	25
Veitchi. Beautiful flowers of the richest scarlet.....	25
Mixed Single Varieties. Of all the tuberous-rooted class.....	25
<b>BEGONIA, DOUBLE TUBEROUS-ROOTED, MIXED</b> . The seed we offer has been hybridized with the greatest care, using the most double flowers, and the handsomest single varieties for that purpose....	50
* <b>BEGONIA, Roezli</b> . A new valuable variety from Mexico. The leaves are alternate, dark green, succulent, and the under surface is of a reddish color. Seed sown in April make strong plants by September, attaining a height of twenty inches, and the buds of the inflorescence appear in October, resembling an opening Pæony. They are enveloped in a dark red spathe, and rapidly expand into a beautiful umbel of large size, composed of luminous deep red flowers. In a green-house this fine species blooms freely and in uninterrupted succession until March. A fine bouquet flower.....	25
* <b>Rubra</b> . This constant profuse flowering summer and winter variety is effective for vases, or bedding out in half-shady positions; has dark green foliage, flowers rosy scarlet, glossy and wax-like.....	25
* <b>Schmidtii</b> . A new beautiful shrubby plant from Brazil. Flowers white, slightly tinged with pink, contrasting finely with the foliage, being of a dark green, with a metallic lustre. Its dwarf branching globe-shaped habit makes it a most desirable decorative as well as a market plant, being literally covered with owers from May until November, and blooming all winter in the green-house; also a fine bedding plant.	25
<b>CALCEOLARIA HYBRIDA</b> . An ornamental superb herbaceous perennial plant, producing a mass of beautiful pocket-like flowers early in the spring, and are universal favorites for the decoration of the green-house or conservatory; treated the same as tender annuals. For the sowing of seed, see pages 43 and 44.	
<b>Grandiflora, Tall Mixed</b> . Large-flowering, robust and very floriferous, being completely covered with beautiful rich, self-colored flowers; saved from a choice collection; of all colors; 20 inches.....	50
<b>Grandiflora Tigrina, Tall Mixed</b> . Large-flowering, of tigered and spotted flowers; the very finest mixture of the most brilliant colors; 20 inches.....	50
<b>Grandiflora Pumila Compacta</b> . The features of this new strain are dwarf, compact, robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot.....	50
* <b>Rugosa, Mixed</b> ( <i>Shrubby</i> ). Bedding, small-flowering varieties; of the finest colors; 2 feet.....	50
<b>CAMELLIA JAPONICA DOUBLE, MIXED</b> . Favorite winter-flowering, half-hardy green-house shrubs. Soak the seed before sowing, as they lie long dormant; sow in sandy peat and loam. Seed saved from the finest double varieties; from 5 to 10 feet.....	25
* <b>CHAMÆPEUCE DIACANTHA</b> ( <i>Ivory Thistle</i> ). This elegant perennial Thistle, with its beautiful long variegated downy leaves, and thickly set spines, is very ornamental for garden decorations; the midrib and spines are ivory-white and the leaves glossy green, shaded by a snowy down; 2 feet.....	10



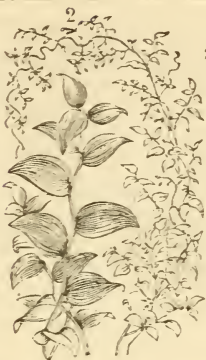


1. CALCEOLARIA VARIETY.  
 2. AURICULA VARIETY.  
 3. CINERARIA, OR CAPE ASTER, SINGLE VARIETY.

4. ABUTILON VARIETY.  
 5. CINERARIA, DOUBLE VARIETY.  
 6. CYCLAMEN PERSICUM VARIETY.  
 7. BEGONIA SCHMIDT.

8. CHAMÆPEUCE DIACANTHA OR IVORY THISTLE.  
 9. CLIANTHUS DAMPIERI, OR AUSTRALIAN GLORY PEA.

	Per packet.
CINERARIA HYBRIDA ( <i>Cape Asters</i> ). A favorite attractive free-flowering plant, blooming during the winter and spring months; perennials, but do best treated as tender annuals. For culture, see page 44.	
Tall, Mixed. Splendid tall varieties, saved from extra choice flowers and colors; height, 2 feet.....	\$0 25
Dwarf, Mixed. Splendid dwarf compact varieties, from extra choice flowers and colors; 1 foot.....	25
Large-Flowering Tall, Mixed. This large-flowering strain is unsurpassed, for beautiful colors and size of flowers, selected from prize varieties in splendid mixture; 2 feet.....	50
Large-Flowering Dwarf, Mixed. Same as the above except being of dwarf varieties; 1 foot.....	50
Double, Mixed. This is one of our finest plants, and quite an acquisition to our list of florists' flowers, which for cutting can hardly be surpassed. All the rich and beautiful colors of the single exist in this new double variety; 2 feet. (See illustration in Supplement, page vii.).....	50
*CLIANTHUS DAMPIERI ( <i>Australian Glory Pea</i> ). A beautiful green-house perennial shrub, growing 4 feet high, or can be trained as a Verbena, with elegant compound foliage, and clusters of drooping, brilliant, rich scarlet, pea-shaped flowers 3 inches in length, each flower picturesquely marked with a large, black blotch in the centre. Start the seed in thick, moist cotton, keeping it very warm until the seed germinates, then pot in very small pots in a mixture of $\frac{1}{2}$ leaf mould, $\frac{1}{4}$ compost, and $\frac{1}{4}$ sand, keeping them near the light and very warm until fairly started, then harden off; plant out in May or June, when the weather has become warm, in a rather dry, sheltered, sunny position before the plants become pot-bound, then water freely until established. Cold and moisture are death, while heat and moisture are life to the Clianthus. Prepare the soil outside as given for pot-culture.....	25
*COLEUS, DREER'S HYBRID, MIXED. One of the most beautiful of our variegated tender perennial foliage plants; for green-house or garden decorations, ribbon beds, borders, etc.; of rapid growth and easy culture. Our new strain produces the finest colored, most attractive, and novel foliage plants ever before introduced; from 1 to 2 feet. For plants, see list on page 105. Illustration on page 79.....	25
CYCLAMEN PERSICUM. Charming bulbous-rooted plants, with beautiful foliage, and rich colored orchid-like fragrant flowers, largely used by bouquet-makers; universal favorites for the green-house or parlor, and for winter and spring blooming. If the seed is sown early in the spring, they make flowering bulbs in one season; they require sandy loam; half-hardy perennial; 6 inches.	
Atro-Rubrum. Large dark crimson. Album. Pure white. Mixed. Of all colors.....	Each 25
Giganteum. This new large-flowering variety has beautiful mottled leaves, broad petals, and stout flower stalks, throwing the flowers well above the foliage; 8 inches.	
Rubrum. Rose, changing to crimson. Album. Pure white, with a violet-purple eye.....	Each 50
Mixed. Of rich and varied colored large flowers.....	50
*ERYTHRINA CRISTA-GALLI ( <i>Coral Plant</i> ). An ornamental and effective half-hardy perennial shrub, fine for out-door summer decoration, in a warm situation, with beautiful foliage and superb spikes of scarlet pea-shaped flowers. Soak the seed several days in warm water before planting; 5 feet.	25
*FERN SPORES ( <i>Seed</i> ). These ornamental plants are too well known to require any description; they are very desirable for Wardian cases or ferneries; thriving in a peaty, sandy soil, and moist, shady positions in the garden during the summer. The seed is however slow of germination, and requires care and considerable patience, before it makes its appearance. Sow in the spring in shallow boxes, barely covering the seed with soil; keep moist with a covering of fine moss, and in a temperature of 60 degrees.	
Adiantum, Mixed. Of all the handsome Maiden-hair varieties.....	25
Gymnogramma Peruviana Argyrophylla. Handsome fronds from 10 to 30 inches long, broad at the base, upper side of a bluish white, while the under side of the fronds is silvery white.....	25
Gymnogramma Sulphurea. Dwarf slender golden fronds, bipinnate; the pinnæ set rather distant.....	25
Pteris Argyræa. Variegated long fronds, the pinnæ pinnatifid, the lower pair bipartite; color silvery white with light green margin.....	25
Pteris, Mixed. Of all the Pteris varieties.....	25
Choice Mixed Varieties. From a fine collection of dwarf Ferns.....	20
Lygodium Scandens ( <i>Japanese Climbing Fern</i> ). A graceful and beautiful climber, growing to an indefinite length, pinnæ palmately lobed, fruiting spikelets on the apex of each lobe. It grows as easily as the Smilax, and is used for the same purpose. It forms charming festoons when grown as a window plant...	
Tree Ferns. Of all choice varieties mixed.....	25
*FUCHSIA, MIXED ( <i>Lady's Ear-Drop</i> ). A well-known popular green-house plant of easy culture, for the house or shady situations in the garden; seeds saved from the finest single and double named varieties; of the choicest colors mixed; half-hardy perennial; 3 feet.....	50
*GERANIUM. A popular bedding plant, as well for the house as the green-house, extensively used for massing; half-hardy perennials, treated the same as annuals, flowering the first season; from 1 to 3 feet.	
Zonale, Mixed. A superb strain of the largest and finest varieties; mixed colors.....	10
Zonale Variegated, Mixed. Bronze, gold, and silver tricolored foliage varieties, saved from a celebrated collection of choice colors.....	25
Zonale Double, Mixed. Fertilized by one of the best Geranium growers; this seed will produce a large percentage of handsome double flowers of extra fine colors.....	50
Pelargonium, Mixed ( <i>Lady Washington</i> ). From the finest fancy and spotted large-flowering varieties... Apple-Scented ( <i>Pelargonium odoratissimum</i> ). This fragrant favorite variety can only be grown from seed to form fine plants. Soak the seed 24 hours, sow in light soil, and keep moist until they germinate.....	25
GESNERIA, MIXED. A beautiful hot-house, bulbous-rooted plant, producing brilliant colored spikes of flowers; requires a light, rich, peaty soil; choice varieties; 2 feet.....	25
GLOXINIA HYBRIDA CRASSIFOLIA. A choice hot-house, bulbous-rooted plant, producing in great profusion its large bell-shaped flowers, of the richest and most beautiful variety of brilliant colors, during the summer months; the bulbs must be kept warm and dry during the winter; 1 foot.	
Grandiflora Erecta, Mixed. Rich-colored, erect flowers.....	25
Grandiflora Horizontalis, Mixed. Rich-colored, horizontal flowers.....	25
Grandiflora Pendula, Mixed. Rich-colored, drooping flowers.....	25
Grandiflora, Mixed. Choice drooping, erect and pendulous, large flowering varieties; of choice colors....	25
*HELIOTROPE, CHOICE MIXED. A half-hardy perennial, flowering during the whole season; its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a green-house climber. Seed sown in the spring make fine plants for summer blooming.....	10



- |  |   |                                   |
|--|---|-----------------------------------|
| 1. FUCHSIA, DOUBLE AND SINGLE.           | 4. PRIMULA SINENSIS FIMBRIATA, CHINESE VARIETY.       | 6. DREER'S HYBRID COLEUS VARIETY. |
| 2. MYRSIPHYLLUM ASPARAGOIDES, OR SMILAX. | 5. GERANIUM, OR PELARGONIUM, LADY WASHINGTON VARIETY. | 7. GLOXINIA CRASSIFOLIA VARIETY.  |
| 3. TROPAEOLUM LOBBIANUM VARIETY.         |   | 8. HELIOTROPE VARIETY.            |
|  |   | 9. SALVIA FARINACEA.              |

	Per packet
KENNEDYA, MIXED. A handsome and highly ornamental green-house climber. Soak the seed in warm water before sowing; of fine varieties and colors.....	\$0 25
LAPAGERIA ROSEA. A fine herbaceous twiner, like the Smilax, with large, rosy flowers.....	25
*LANTANA, MIXED. One of the most desirable half-hardy perennial green-house or bedding plants, constantly in bloom, with Verbena-like heads, and changing in hue; height, 2 to 5 feet.....	10
LAURUS NOBILIS ( <i>Sweet Bay Tree</i> ). A handsome, half-hardy evergreen tree, with dark green foliage and rich yellow flowers. Hardy south of Virginia; 15 feet.....	10
MANDEVILLA SUAVEOLENS. A green-house evergreen climber; does best when planted in the ground; with large white fragrant flowers; 20 feet.....	25
MYRSIPHYLLUM ASPARAGOIDES ( <i>Smilax</i> ). A beautiful and graceful tuberous-rooted perennial climber, none surpassing it for its glossy deep green, wavy and most delicate foliage, and small white flowers; fine for vases and baskets; also desirable to use with cut flowers, and in great demand. Soak the seed 24 hours in hot water before sowing; 6 to 10 feet. Per oz., \$3.00.....	20
*MUSA ENSETE. The noblest of all green-house 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 midrib. It is used with success for bedding out, and stands the rain and storms without much laceration. Before planting out in May, dig a hole 2 feet square and about 30 inches deep, filling the hole half full of fresh stable manure pressed in solid, and then fill up with compost of good, light, rich soil, mixed with well-decayed manure, plant the Musa, but do not let the roots touch the fresh manure. In our hot summers it luxuriates and attains gigantic proportions, from 8 to 12 feet high, producing really a tropical appearance, and should find a place in every collection where there is a conservatory or green-house. The seeds germinate freely if started in a hot-bed or on bottom heat in the green-house. Packet containing 5 seeds.....	1 00
NERIUM OLEANDER, MIXED. A splendid flowering shrub, of various colors; 6 feet.....	20
PASSIFLORA, MIXED ( <i>Passion Flower</i> ). Magnificent ornamental half-hardy perennial evergreen green-house climbers, with large, very attractive and varied flowers, produced in the greatest profusion nearly the whole year. Sow in heat in February or March; pot off singly as soon as the plants are large enough to be handled, in a mixture of light, rich soil, leaf mould, and sand; all choice varieties, mixed.....	20
Van Volkemi ( <i>Tacsonia</i> ). Flowers of the richest scarlet, 5 inches in diameter.....	25
Insignis ( <i>Tacsonia</i> ). This splendid plant is remarkable for its handsome foliage and robust, free-flowering habit; magnificent flowers, measuring from 6 to 8 inches across, which 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.....	50
PRIMULA SINENSIS FIMBRIATA ( <i>Fringed Chinese Primrose</i> ). A charming and most beautiful profuse flowering plant, indispensable for winter or spring decoration in the conservatory or green-house. The seeds we offer are saved from the finest existing collections, and always give satisfaction; 6 inches; for culture, see page 44.	
Punctata Elegantissima. Flowers deep velvety crimson; edges spotted with white.....	50
Kermesina Splendens. Large flowers, brilliant crimson, with a yellow eye.....	50
Rubra. A very fine red. Alba. Pure white. Alba Rubra Striata. White, red striped.....	Each 25
Choice Mixed Varieties. Beautiful colors of all the fringed varieties.....	25
Williams' Superb Strain, Mixed. This strain of English Primula Sinensis Fimbriata is universally admired, and of all the finest varieties and colors; mixed.....	50
Fern-Leaved, Mixed ( <i>Filicifolia Varieties</i> ). The finest colors mixed.....	25
Fimbriata Alba Magnifica. This new, compact variety has deeply indented light green foliage; producing freely large trusses of pure white flowers with a citron eye, measuring 2½ inches across; they are of great substance, each petal being deeply and beautifully fringed.....	1 00
Fimbriata Cristata Nana Alba. A new, interesting and entirely distinct variety; of dense dwarf habit and filled or crimped-edged foliage, similar to <i>Malva Crispa</i> . Its charming snow-white flowers, with a pale yellow eye, are dentated, and show a tendency to become double.....	50
Fimbriata Cristata Nana Rubra. This new variety is the same as the above, except the flowers are of a beautiful bright red color.....	50
PRIMULA SINENSIS FIMBRIATA FLORE PLENO ( <i>Double Chinese Primrose</i> ). The following double-fringed Chinese Primroses are very fine and can be highly recommended, as they produce a fair percentage of handsome double flowers from seed; 6 inches.	
Alba. Double white. Kermesina. Double crimson flowers.....	Each 50
Double Mixed. Of all choice double varieties.....	50
PRIMULA JAPONICA, MIXED. A perennial variety, producing beautiful colored flowers on a long stem in whorls; the seed takes a long time to germinate, and requires great care and constant attention; 15 in.	25
*SALVIA ( <i>Flowering Sage Varieties</i> ). A shrubby green-house and favorite bedding plant, loaded with spikes of scarlet, white, and blue flowers in great profusion from July to October; half-hardy perennials, blooming the first year from seed; 3 feet.	
Splendens ( <i>Scarlet Sage</i> ). Beautiful, bright scarlet flowers. Per oz., \$4.00.....	10
Splendens Flore-Albo. White-flowered, like the Scarlet Sage, and of vigorous growth.....	20
Farinacea. A new branching shrubby variety, similar to Splendens, producing spikes from 9 to 18 inches long, with light blue flowers and beautiful dark blue woolly-haired bracts, which remain for months.....	20
Patens. Superb deep blue flowers.....	20
Involucrata. A new showy species. In general habit it resembles <i>Farinacea</i> , but the leaves, stalks, and bracts are glabrous; the inflorescence consists of a long flower-spike with rose-colored bracts, and splendid rosy crimson flowers of 1½ inches in length, in densely arranged whorls of six flowers.....	25
Argentea. Beautiful ornamental silvery foliage plant, with spikes of white flowers.....	10
STEPHANOTIS FLORIBUNDA. A green-house evergreen perennial climber, producing white flowers in the greatest profusion; 20 feet.....	50
*TROPÆOLUM LOBBIANUM ( <i>Climbing Nasturtium</i> ). This variety of beautiful climbers produces freely bright-colored, small flowers, on long stems, during the winter months in the green-house, conservatory, or in the summer on trellises in the garden; half-hardy annuals; 6 feet.	
Geant des Batailles. Brilliant carmine. Finest Mixed. Of different shades and varieties.....	Each 10

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	EACH.	CUT.		EACH.	CUT.
Asparagus Buncher.....	\$3	50	Shears, Averruncator, or Pole Pruning.....	\$2	to 4 00
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Knife, with saw, 14 in. long.....	1	50	Waters' Improved Tree Pruner, 6, 8 and 10 ft. poles.....	\$2.00, 2.25, 2.50	30
Bill Hook.....	1.50	23	Extra Knives for Waters' Tree Pruners.....		30
Brier Hooks, with Socket.....	\$1.25	2.00	Hedge, or Box, 8 and 9 in.....	\$1.75	2 00
Dibble for Transplanting, improved.....	75	35	Hedge, or Box, with improved notch for cutting large branches, 8, 9 and 10 in.....	\$2.00, 2.25 and 2.50	12
Dock Lifter, or Extractor.....	2	00	43	Hand-Pruning, for Trees, Vines, etc. 75 to 3 50	
Daisy Lifter, or Grub.....	75		38	Hand-Pruning, West Chester.....	1 25
Flail, for grain, best seasoned hickory.....	1	00	18	Hand-Pruning (Baumann's spiral spring).....	1 00
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or Garden Tools, long handles, for Ladies and Children.....	75, \$1.50, 1.75, 3.00 & 4 00		for cutting grass, with 7½ in. blades.....	1 25	13
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Dutch, Steel.....	50		Trowels, Garden, American, 5, 6, 7 and 8 in.....	12, 15, 20 and 25	
Hoe, Solid Socket, Half Moon, 3, 4, 5, 6, 7 and 8 in.....	35, 40, 45, 50, 55 and 60	1	Garden, best English steel, and polished, 6, 7 and 8 in.....	\$1.00, 1.15 and 1 30	19
Solid Socket, Square, 6, 7 and 8 in., 60, 70, Celery, 14 in.....	2 00	15	Double Garden, or transplanter, for small plants and seedlings, which can be taken up and transplanted without disturbing the roots.....	60	
Trowel-Shaped.....	50	5	Weeder, Excelsior Hand-Weeding Hook.....	20	37
Warren, two sizes.....	65, 75	39	Little Gem.....	40 cts. Noyes.....	30
Garden, with sharp point.....	40	6	Bellows, for Insect Powders.....	\$1.00, 2.00, 3 00	
Garden, with 2, 3 and 4 prongs.....	40, 45, 50	3	Atomizer, for liquid or powder.....	2 00	
Weeding Hoe and Rake, 4 and 6 teeth.....	60, 70	7	Syringe, for liquid insect destroyers.....	3 00	
Hexamer's Improved, 6 prong.....	1 25	8	Insect Powder Gun. A small tin gun.....	20	
Dutch, or Scuffle, 4, 5, 6, 7, 8, 9 and 10 in.....	40, 50, 60, 65, 70, 80 and 90	17	Syringes, Green-house, of heavy brass, with two roses and straight stream.....	\$6 to 9 00	
Allen's Weeding.....	75	2	Green-house, brass, for ladies, two roses and straight stream.....	4 50	
Lyman's Adjustable Weed Annihilator.....	75	16	Garden, tin, ball valve.....	1 00	
Grubbing, or Mattock.....	1 65		Pump, Garden, tin, with straight stream and spray sprinkler; for gardens, etc.....	2 00	
Pick, best heavy.....	2 50		Excelsior, and Portable Fire Engine.....	8 50	
Hose, Rubber, best ¾ in., 3 ply, per foot.....	18		Hydronette, or Fountain, double action.....	8 00	
Menders, for ¾ in. hose.....	10		Hydronette, or Fountain, single action.....	8 00	
Knives, for pruning (Saynor's). See cuts 27, 28, 29 and 30.....	\$1.60, 1.40, 1.25 and 2 00	27, 28, 29, 30	Sprinkler, Lawn, Brusie's, 8 arms.....	9 00	
for pruning, various patterns of other makes.....	.75, \$1.00, 1.25 1 50	2 00	Lawn, Peck's, 4 arms.....	8 00	
for budding (Saynor's). See cuts 31 & 32, for budding, various patterns of other makes.....	.75, \$1.00, 1.25 1 50	31, 32	Lawn, Peck's, 5 feet stand.....	2 50	
Solid Grass Edging, for paring the edges, 8, 9 and 10 in.....	\$1.25, 1.50, 1 75	36	Lawn, Perfection, small revolving.....	1 25	
for cutting corn, two sizes.....	50, 1 00		Lawn, Globe, small revolving.....	1 25	
Rake, Solid Steel Garden, 6, 8, 10, 12, 14 and 16 long teeth.....	40, 45, 50, 55, 65 and 75	75	Elastic Hand Plant. (By mail, \$1.25).....	1 00	
Solid Steel Garden, or Gravel, 14, 16 and 18 short teeth.....	70, 80 and 90		Magic, for hose, three styles.....	\$1.00, 1.25 and 2 25	
Wooden, Hay.....	30		Watering Pots, round extra heavy tin, 6, 8, 12 and 16 qts.....	\$2.50, 3.00, 3.50 and 4 00	
Wooden, close teeth for lawns.....	40		French pattern, oval, 4, 6, 8, and 12 qts. \$2.00, 2.50, 3.00 and 3 50		
Davis' Lawn Grass Gatherer.....	40		Water Truck, with tilting barrel.....	10 00	
English Lawn, 20 and 24 teeth.....	\$3.50, 4 00		Eureka Iron Fumigators, Nos. 1, 2 and 3, \$1.50, 2.50 and 3 00		
Spades, Ames', Nos. 1, 2 and 3.....	\$1.20, 1.25, 1 30		Eureka Galvanized Fumigators, Nos 3 and 4.....	\$4.00, 6 00	
Shovels, Round Point, polished, No. 2.....	1 10		Thermometers, 7, 8 and 10 in.....	25, 30 and 35	
Square Point, polished, No. 2.....	1 00		Pearwood.....	40	
Long Handle, Round Point, No. 2.....	1 00		Hale's Patent Mole-Trap.....	2 50	
Saws, Pruning, 14, 16, 18 and 20 in., \$1.00, 1.20, 1.40 and 1 50		26	Mabbett's Patent Mole-Trap (galvanized).....	1 65	
Lightning Pruning Double Cutting Edge, 18 and 20 in.....	\$1.00, 1 25		Improved Steel Hand Garden Plow.....	2 50	
Grafting, 16 and 18 in.....	\$1.25, 1 50		Bateman's Small Hand Garden Plow.....	1 50	
Scythes, English Rivet-Back Lawn, 30, 34, 36 and 38 in. long.....	\$1.35, 1.50, 1.65, 1 80	41	Firefly Hand Wheel Garden Plow.....	3 50	
American, best steel, Waldron pattern.....	1 00		Turner's Improved Hand Cultivator.....	3 50	
Brush, or Brier.....	1 00		Wheel Barrows, Garden, No. 3 & 4.....	\$5.50, 6 00	
Scythe Snaths, the best improved pattern.....	1 00		Wrought Iron Garden Rollers, 18 and 24 in. long.....	\$10.00, 18 00	
Stones, Darby.....	10 cts.				
Talacre.....	25				
Shears, Grass Border, 8 in. blade.....	3 00				
Grass Border, with wheel, 8 in. blade.....	3 50	14			
for cutting grass among shrubbery on lawns, with two wheels, 8 in. blade. 4 00					
long-handle lopping.....	\$2.50, 3.00, 4 00				
long-handle pruning, slide-cut.....	\$2.75, 3 50	21			

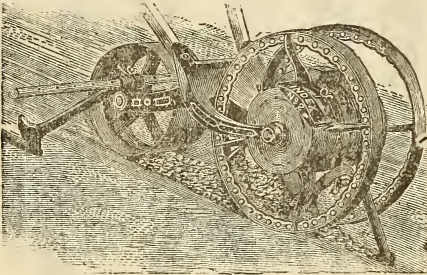
GARDEN TOOLS ILLUSTRATED—For Prices, see page 82.



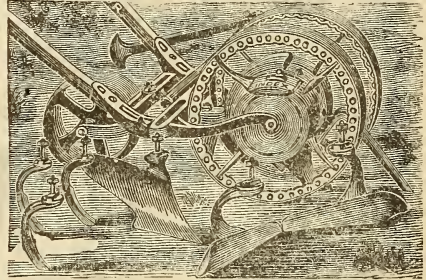
## THE PLANET JR. FARM AND GARDEN IMPLEMENTS.

These are among the most complete and popular hand implements, light and easy running; they are of admirable design, workmanship, material and finish. A Complete Descriptive Catalogue, illustrated with 40 engravings, showing the tools at work, and containing practical instructions in the cultivation of garden and field crops, mailed free on application. These implements are all delivered to freight or express depots in Philadelphia, packed for shipment, at prices named.

**The Planet Jr. No. 2 Drill.** *No Hoing Attachments.* Holds  $2\frac{1}{2}$  qts. It has the following important advantages:—An adjustable opening plow directly between the carrying wheels. A spring brass reservoir which can be accurately and instantly adjusted. An index for the sixteen most important seeds cast permanently on the door. A good marker, changeable from side to side instantly. A cleaner, invaluable in avoiding vexatious clogging and bunching of seed. With these advantages it will sow, with equal ease and accuracy, a single paper of seed or a full hopper, covering evenly at any exact depth, and will roll down and mark the next row perfectly, all at a single passage. It has no cams, levers, brushes, cogs, springs or shakers. It is remarkable for simplicity, strength and beauty, and for ease and perfection of work in the field or garden. Price \$12.00.



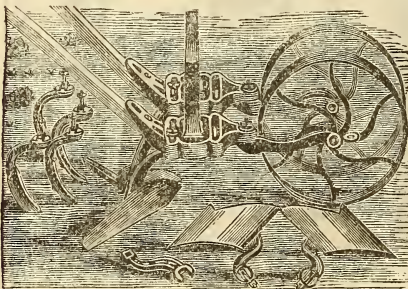
THE PLANET JR. NO. 2 DRILL.



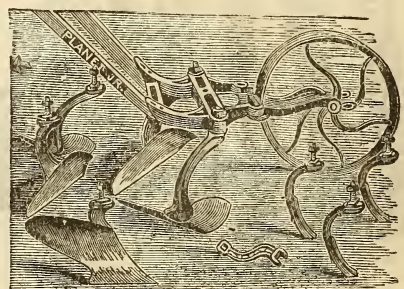
THE PLANET JR. COMBINED DRILL, WHEEL HOE, ETC.

**The Planet Jr. Combined Drill, Wheel Hoe, Wheel Cultivator and Wheel Plow.** This is the most popular labor-saving machine. It is suitable either for the Farm or Garden, and except the Planet Jr. separate tools, has no equal, either as a drill, or as a wheel hoe cultivator and plow. It holds one quart, and as a Seed Drill is similar and equal to No. 2. It has a finely adjustable Spring Brass Seed Reservoir, an Adjustable Plow between the carrying and covering wheels, the new permanent Seed Index, the Cleaner and Marker, all combining to make a perfect tool. As a Plow, it opens furrows, covers them, hills, plows to and from the plants. As a Hoe, it works safely and closely to and from both sides of the row at once, or between rows as plants become larger, working all rows from 8 to 16 inches wide at one passage. As a cultivator it is admirably adapted to deep mellowing of the soil. The blades are tempered and polished steel. By removing the roller and one bolt, it is ready to be used as a wheel hoe, cultivator or garden plow. \$14.00.

**The Planet Jr. Double Wheel Hoe, Wheel Cultivator and Wheel Plow.** Will do the work of six to ten men with the common hand hoes among market garden and root crops, nursery stock, etc., and is especially adapted to onion culture. It is light, firm, strong, quickly set and easily managed. All the blades are tempered and polished steel. The hoes cut from six to eighteen inches wide, and can be used to throw to or from the row, working both sides at once with perfect ease. The four cultivator teeth mellow the soil thoroughly. The plows are useful in opening furrows, covering and hilling. The wheels are adjustable in height and width. \$9.50.



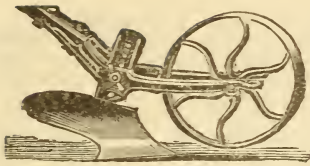
THE PLANET JR. DOUBLE WHEEL HOE, ETC.



THE PLANET JR. SINGLE WHEEL HOE, ETC.

**The Planet Jr. Single Wheel Hoe, with set of three Cultivator Teeth and Plow.** In improving this tool care has been taken to combine extreme lightness, strength, variety of tools, and great adjustability. It has one pair of long, and one pair of short exchangeable hoes, a set of three reversible cultivator teeth and a steel garden plow. All the blades are tempered and polished steel. This tool is pronounced by practical men as without equal in ease of operation, quality of work, and variety of adjustment. All rows from six to eighteen inches apart can be perfectly hoed at one passage. The frame is quickly raised or lowered to regulate the depth, and the wheel can be attached centrally or to either side of the machine, hoeing both sides of the row at one passage. \$7.50.

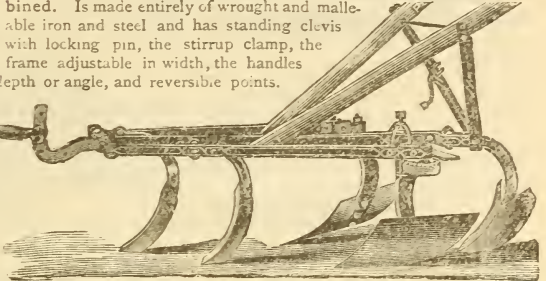




THE FIREFLY WHEEL GARDEN PLOW.

The Firefly Hand Wheel Garden Plow makes the care of a vegetable garden a pleasure. It has a polished steel mould-board and eyes for attaching a rope in plowing double depth in the spring. It opens furrows for peas, beans, corn, potatoes, etc., and neatly covers them. Price \$3.50.

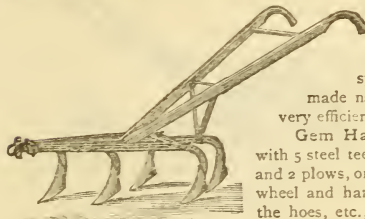
The Planet Jr. Horse Hoe, Cultivator Plow and Coverer Combined. Is made entirely of wrought and malleable iron and steel and has standing clevis



THE PLANET JR. HORSE HOE, CULTIVATOR, ETC., COMBINED.

changeable in height, teeth adjustable to For all crops that are hoed by hand it is invaluable, preceding the hand hoe, and saving three-fourths of the work. For all crops that are hilled, nothing can exceed the perfection and ease with which this tool performs the work. As a cultivator it can be furnished with any width teeth from 1 1/4 inch to 4 1/2 inch, adapting it to every variety of soil. As an opening plow it is invaluable for making furrows for potatoes, corn, and all other crops. As a coverer it has no equal for corn, broom corn, potatoes, in fact every kind of covering, as it covers and rolls the ground at one operation. Combined Horse Hoe and Cultivator. \$10.50. The attachments are all extra, as follows: Wheel, \$1.50. Complete Covering attachment (Wheel and Roller), \$5.00. Extra Sets of Five Steel Points, any width, \$1.50.

The Iron Age Horse Cultivator. It is an adjustable all iron and steel implement, with its several combinations, is equally up to the times, in thorough efficiency of its operations in the field or garden. It can be used for all the following purposes: Cultivator, Horse Hoe, Weeder and Corn Coverer. As a Cultivator, \$5.50.



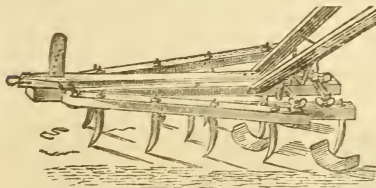
IRON AGE HORSE CULTIVATOR.

Attachments extra, as follows: Hoes per pair, with Bolts, \$2.00. Leveler, for covering, \$1.25. Front wheel, with bolts, \$1.25. Adjustable weeder, \$1.50.

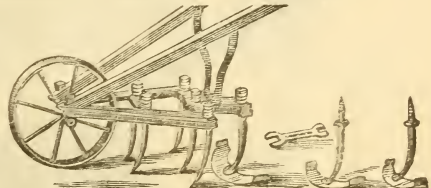
Iron Frame Expanding Harrow. This iron frame and steel spike teeth Harrow or Cultivator is adjustable, so that it can be made narrow to suit the rows, or opened out and used as a harrow; a very efficient implement. \$5.50.

Gem Hand Wheel Hoe and Cultivator. The combined implement, with 5 steel teeth, 2 scuffle or cutting blades, one 4 1/2, the other 9 inches wide, and 2 plows, one right and the other left hand, are all made of the best steel. The wheel and handles are adjustable in height, while the frame is so slotted that the hoes, etc., can be set in almost any position or angle, always giving the greatest satisfaction; handsomely finished. \$5.00.

Lee's Pattern Horse Hoe. The frame is of wood, with spike teeth, first to break the crust of the soil, then followed by the hoes, which cut the soil, destroying the weeds, and leave the soil smooth; it is adjustable in width, so that it can be used in narrow or wide rows, cutting close to the plants, and the depth can be regulated as desired. One of the best. \$10.00.



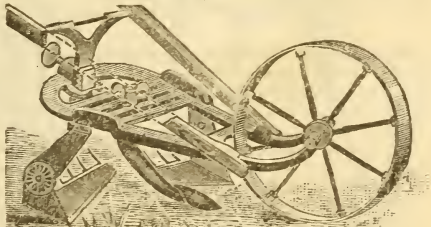
LEE'S PATTERN HORSE HOE.



LEE'S IRON FRAME HAND WHEEL HOE.

Lee's Iron Frame Hand Wheel Hoe. It is used between the rows, and adapted to a wide range of work, light, simple, strong and easily worked. The teeth and hoes can be used separately or combined, and are subject to a variety of changes in the frame; the three hoes are of different widths. This implement is one of the best for all kinds of garden work. \$6.00.

Ruhlmann's Wheel Hoe. This superior implement embraces four essential points requisite for a successful Hand Cultivator, viz., durability, simplicity of construction, thoroughness in work. It is adapted for all kinds of vegetable crops and nursery stock, requiring careful hand cultivation in the earlier stages of growth. It cuts close to the plants, leaving the soil smooth and does not slide out; it has adjustable handles; the blades can be placed in any desired angle, and from 7 to 16 inches width. \$5.50.



RUHLMANN'S WHEEL HOE.

The Clipper, or Garden Hand Wheel Weeder. The frame is wrought iron, light and strong, has the parallel adjustment, can be readily opened or closed as desired, the cutting blades always remaining in the same line of draft, and the frame closing with the blades. \$4.50.

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



of plants in drills, and pulverizes the soil, cultivates between rows or both sides of a row at once, opens and covers drills, deep or shallow, skims the surface or loosens the soil, gathers loose weeds into heaps between rows, plows and hoes any depth and width required, throws the earth to or from the rows, cuts Strawberry Runners and cleans the ground, cuts the turf edges of walks and borders, scrapes and cleans walks and alleys. The same frame, wheel and handles, answer for all the combinations.

Hand Cultivator and Onion Weeder combined.....\$7 00  
Seed Sower, Cultivator and Weeder combined.....12 00  
Seed Sower only.....8 00

#### EXTRA ATTACHMENTS.

To make up the price of any combined Implement, add the price of the attachment wanted to \$7.00, the price of the Cultivator and Weeder—thus, for a Verge Cutter add \$1.25, making.....\$8 25  
Hopper and Coverer to make a Seed Sower..... 5 00  
Set of 2 rakes and 3 teeth to make a Cultivator and Weeder of a Seed Sower.....4 00  
Wheel and Knife to be fixed to the Cultivator to make a Strawberry Runner Cutter.....2 00

**Mathew's Garden Seed Drill.** One of the most perfect Hand Seed Drills in use, adapted to either field or garden. It opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls it, and at the same time marks the next row, all of which is done with mechanical precision. It sows with an evenness and rapidity, all the different kinds of vegetable seeds, impossible for the most skilful hand to do. It has an indicator with the names of the different kinds of seed, to simplify the adjustment for sowing the same. \$12.00.

**Philadelphia Broadcast Hand Seed Sower.** This hand machine will sow Wheat, Oats, Barley, Buckwheat, Clover, Timothy, Orchard Grass, etc., better, more evenly and economically than by hand, and will spread it over a surface of 15 to 25 feet, according to the seed to be sown; no farmer that has broadcast sowing to do should be without it. \$5.00.

**The Philadelphia Hand Lawn Mowers.**—Nearly all the machines used in mowing lawns are much heavier than is necessary, and more labor is expended in moving them than should be.

To overcome this objection, these machines have been introduced. Style D, 10 and 12 inch cut, with  $6\frac{1}{2}$ -inch diameter driving wheels. These are intended for grass plots and lawns of less than one-eighth of an acre, and for that amount of work are just about perfect, being far the most easily worked and the lightest made.

They have the single gearing, noiseless ratchet, rear cut, floating cutting apparatus, self-sharpening knives, loose handle, and the compact,

strong and simple construction characteristic of the *Philadelphia Mowers*. Style M, 14, 16, 18 and 20-inch cut, with 7-inch diameter driving wheels. The style M machines, with silent ratchets, are designed for general use on private lawns of one-eighth of an acre or more. The journals and bearings are all much longer than in style D. They have the single gearing, noiseless ratchet, rear cut, floating cutting apparatus, self-sharpening knives, and loose handle. They have



THE PHILADELPHIA HAND LAWN MOWER—STYLE M.

also malleable iron roller and handle brace brackets. They are furnished with the new self-locking pawl that cannot slip, no matter how much it is worn and battered, and the revolving knives are arranged so that they throw all the cut grass backwards instead of part of it forwards, as was the case in those made previous to 1881. The adjusting screws are exposed and convenient. The 18 and 20-inch cut of style M have the spring pawl or ratchet, and are intended for use on extensive grounds and parks, where the slight noise made by the pawl is no objection.

The 10-inch cut, D, weighs 26 lbs. It is intended for small grass-plots; and can be easily worked by a lady. With silent ratchet. \$10.00.

The 12-inch cut, D, weighs 28 lbs., intended for small lawns. For ladies and boys. With silent ratchet. \$12.00.

The 14-inch cut, M, weighs 36 lbs., for lawns one-eighth acre; worked by a youth. With silent ratchet. \$14.00.

The 16-inch cut, M, weighs 38 lbs., for lawns one quarter acre. Man's size. With silent ratchet. \$16.00.

The 18-inch cut, M, weighs 44 lbs., for lawns from one-half to three-quarter acres. With spring ratchet. \$18.00.

The 20-inch cut, M, weighs 46 lbs., for lawns from three-quarters to one acre. With spring ratchet. \$20.00.

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

Each machine is boxed ready for shipment, with directions. When ordering mowers, mention style and width of cut.

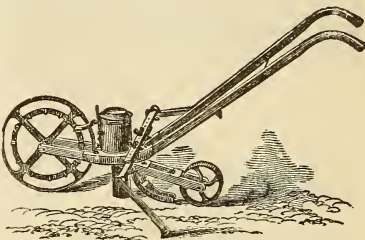
These implements comprise in simple combinations a Wheel Seed Sower, Cultivator, Rake, Scuffle Hoe, Shovel Plow, Strawberry Runner Cutter, and Verge or Turf Cutter. The changes for each kind of work can be made in a few minutes, and every implement of the *Combined Machine* works as well as if made specially for the purpose. The *Combined Machine*, with the extra attachments complete, sows all kinds of seeds in drills, weeds all kinds of plants in drills, and pulverizes the soil, cultivates between rows or both sides of a row at once, opens and covers drills, deep or shallow, skims the surface or loosens the soil, gathers loose weeds into heaps between rows, plows and hoes any depth and width required, throws the earth to or from the rows, cuts Strawberry Runners and cleans the ground, cuts the turf edges of walks and borders, scrapes and cleans walks and alleys. The same frame, wheel and handles, answer for all the combinations.

Extra Steel Plates, for teeth when worn.....each \$0 17  
Shovel plows, set of three, \$1 50. Mole Plow..... . 75  
Verge or Turf Cutter. Scuffle Hoe.....each 1 25

The handles can be taken off, and the Machines packed in a small box for safe and cheap transportation. The combined implement weighs about 20 pounds.

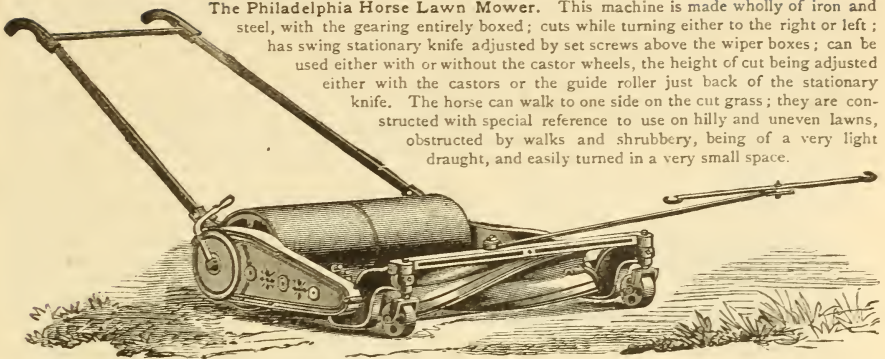
These Implements are all metal but the handles, light, neat, and durable, and are made to a standard, so that any of the parts can be duplicated. They will prove to be all claimed for them.

Full instructions for using the Implements will be sent with every Machine.



MATHEW'S GARDEN SEED DRILL.

The Philadelphia Horse Lawn Mower. This machine is made wholly of iron and steel, with the gearing entirely boxed; cuts while turning either to the right or left; has swing stationary knife adjusted by set screws above the wiper boxes; can be used either with or without the castor wheels, the height of cut being adjusted either with the castors or the guide roller just back of the stationary knife. The horse can walk to one side on the cut grass; they are constructed with special reference to use on hilly and uneven lawns, obstructed by walks and shrubbery, being of a very light draught, and easily turned in a very small space.



THE PHILADELPHIA HORSE LAWN MOWER.

The 30-inch cut horse machine, with draft rod. Weight, 315 lbs. Price, \$80.00.

The 30-inch cut horse machine, with shafts and seat. Weight, 350 lbs. This is the same machine as the above, except it is fitted with shafts and driver's seat, in addition to the draft rod, so that it can be used either way, and is splendid for large open grounds, for which it is especially adapted. \$95.00.

The Pennsylvania Lawn Mowers. The latest invented and improved lawn mowers, being light, strong, easily adjusted, not liable to clog in short or high grass, with easiness of running whilst being worked.

The 14-inch cut machine has 8-inch driving wheels, open cylinder, 4 cast-steel knives, weighs 36 lbs. The popular size for a lady or boy on small lawns. \$15.00.

The 16-inch cut machine has 8-inch driving wheels, open cylinder, 4 cast-steel knives, weighs 38 lbs. The size for a man, and suitable for any-sized lawn. \$17.00.

Wrought-Iron Garden, Lawn and Field Rollers. These rollers are all made of the best wrought-iron, and filled with concrete to give them additional weight, and are preferable to the cast-iron, as they are not so liable to break.

Hand Garden, 12 in. diameter, 18 in. long, weight about 200 lbs. \$10.00.

Hand Garden, 16 in. diameter, 24 in. long, weight about 400 lbs. \$18.00.

One-Horse Lawn, 24 in. diameter, 30 in. long, weight about 700 lbs. \$40.00.

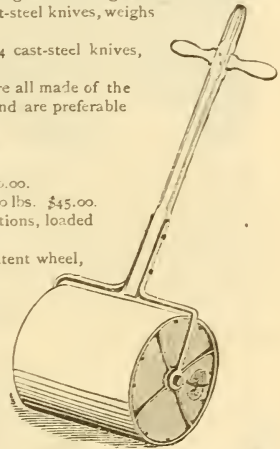
One-Horse Field, 4 feet long, in 2 sections, 20 in. diameter, weight about 600 lbs. \$45.00.

One-Horse, for Road and Lawn Purposes. 4 feet long, in 2 sections, loaded with concrete, 20 in. diameter, weight about 1000 lbs. \$50.00.

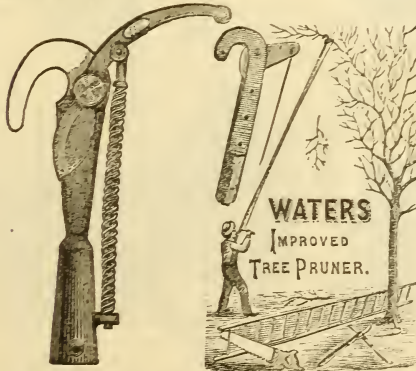
Garden, or Farm Wheel Barrows. These Barrows have Jacobs' patent wheel, and fold together for shipping. They are made of thoroughly seasoned wood, painted, with double frames, firmly bolted together, iron braced, and so constructed that by simply removing the axle-bolt and two nuts, they can be folded flat down, and require but a few minutes time to set up for use.

No. 3. Medium size. \$5.50. No. 4. Large size. \$6.00.

Water Truck. An indispensable article for farmers and gardeners who have water and slops to carry. The barrel can be instantly detached from the Truck, or tilted to empty the contents, and other barrels can be used as needed; extra irons furnished if desired. The weight is raised easily and balanced over the axle, so that no lifting or down pressure is needed in moving it. \$10.00.

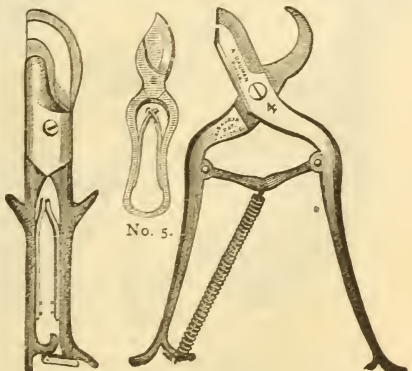


WROUGHT-IRON GARDEN ROLLER.



No. 1.

No. 2



No. 3

No. 4.

Baumann's Patent Pole and Hand Pruning Shears. These are made with a spiral brass spring, are simple, effective and not liable to get out of order, as the frost does not affect the spring, like steel, which is liable to break in frosty weather; the winter season being the best for pruning, at which time the farmer or gardener has less work to do, and can give more attention to tree pruning. (See illustrations Nos. 1 and 4).

No. 1. Large Pole Shear. \$3.50. No. 3. Medium Pole Shear. \$3.00. No. 4. Hand Shear. \$1.00.

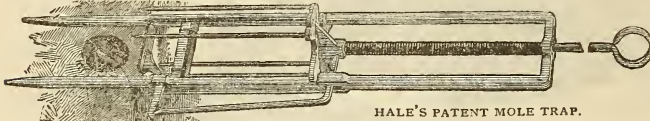
**Waters' Improved Tree Pruner.** Pruning Fruit Trees is necessary during all stages of their growth. By the construction of this hook it encircles the limb, the blade being supported on both sides, allows the blade to be very thin and not resisted by the wood, making an easier and smoother cut; the blade is connected by a rod and pole from 4 to 14 feet long. (See illustration No. 2, page 87.) Extra cutting blades by mail, 30 cents.

4 feet pole.....	\$1.75	8 feet pole.....	\$2.25	12 feet pole.....	\$2.70
6 ".....	2.00	10 ".....	2.50	14 ".....	3.00

**West Chester Hand Pruning Shears.** These shears are made of the very best material and cut easily, keeping sharp a long time, having great cutting powers. The springs are of brass, and can be readily put on if broken. (See illustration No. 3, page 87.) Shears, \$1.25. Springs, 20 cents per pair by mail.

**French Rose Hand Pruning Shears.** This is one of the best small pruners, all wrought and of the finest steel. (See illustration No. 5, page 87.) \$2.50.

**Seymour's Large Hand Pruning Shears.** They are powerful, made of the best material, with concealed brass spring not affected by frost; also used for cutting sheep's toes. \$3.50.



HALE'S PATENT MOLE TRAP.

**Hale's Patent Mole Trap.** The best and most complete trap invented, easily set, will catch them when deep in the ground, and can be set close to small plants,

close to a wall, fence, or in hot-beds. It is very light, neat and durable; made entirely of metal, it cannot warp, twist or get out of order; having no pin or other obstruction projecting into the run, there is nothing to disturb or frighten the mole until caught. \$2.50.

**Turner's Patent Mole Trap.** A very powerful and effective trap for catching moles; has ten teeth. \$4.00.



HYDRONETTE, OR FOUNTAIN PUMP.

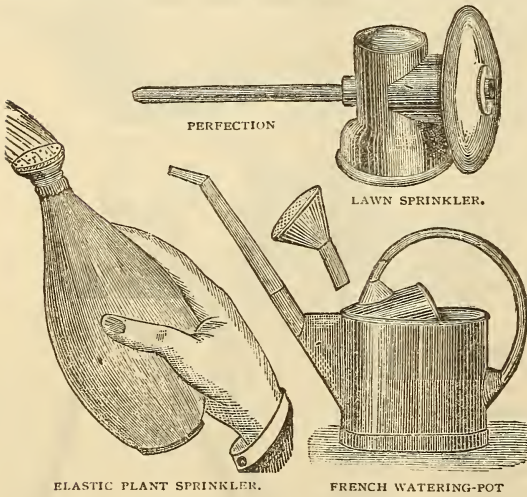
**Excelsior Pump and Portable Fire-Engine.** This compact, portable Engine can be used for all horticultural purposes, etc. All its working parts are of brass, and of easy access to the valves, which can be cleaned at any time. It will draw the water from a stream, tank, or pail near by or at a distance, is of simple construction and easily worked, throwing a continuous stream fifty feet. It has 3 feet of suction and 2 feet of discharge hose. Price, \$3.50. Extra hose, 15 cents per foot, and hose coupler 50 cents additional.

**Aquarius Force Pump.** A powerful small pump, throws eight gallons of water per minute, from fifty to sixty feet, drawing the water from a stream, tank, or will lift it from a depth of twenty feet. Has 2½ feet of suction and 3 feet discharge hose. \$9.00.

**Deakin's Hydronette, or Fountain Pump.** The improved double-action pump for watering and syringing plants. It is not liable to get out of order, being made of brass, with India-rubber Hose 3 feet long to draw the water; with nozzle and sprinkler; throws continuous stream 50 feet. \$8.00.

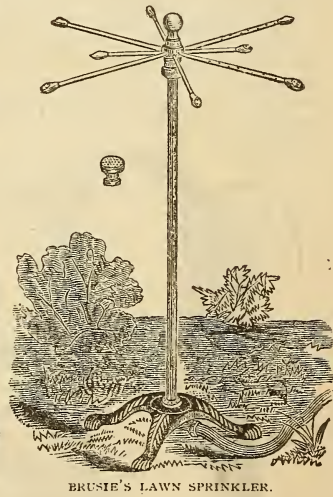
**Whitman's Hydronette, or Fountain Pump.** Is made of brass, very durable, and will not dry up, always being ready for action. This new improved single action pump is novel and simple in mechanism, has 3 feet of rubber hose, straight stream and a sprinkler attached; throws a stream 50 feet. \$8.00.

**Tin Garden Pump.** For watering gardens, washing carriages, etc. The pump is set in a tub or bucket of water and then worked; it has a straight stream and spray sprinkler. \$2.00.



ELASTIC PLANT SPRINKLER.

FRENCH WATERING-POT



BRUSIE'S LAWN SPRINKLER.

**Brusie's Lawn Sprinkler and Fountain.** The work of this Sprinkler is done through *Perforated Arms and Bevelled Balls*, so arranged as to water the *Lawn or Garden* uniformly and as perfect as a shower of rain. It will throw the water over a space of 40 to 50 feet in diameter, according to the pressure of water. By unscrewing the top, putting on the perforated ball, and blank balls on the arms, it is a portable fountain. (See illustration.) \$9.00.

**Peck's Improved Lawn Sprinkler.** It is neat and ornamental, throwing the water from 30 to 40 feet in diameter. It can be used as a fountain by changing the ball on top, and putting on the fountain attachment. Two sizes. Four arms, \$6.00; eight arms, \$8.00.

**Acme Lawn Sprinkler and Fountain.** The simplest lawn sprinkler made, on a stand 3 feet high. \$2.50.  
**Perfection Lawn Sprinkler.** A small revolving lawn and garden sprinkler. The bearings and working parts are of brass, screw to the hose and put the pin in the ground. (See illustration, page 88.) Price \$1.25; by mail, \$1.40.

**Elastic Plant Sprinkler.** This is a very convenient article for sprinkling bouquets and window-garden plants, to cleanse their foliage and keep them in a healthy condition, also for dampening clothes. It is made of rubber, with a flat bottom and perforated brass detachable top. (See illustration, page 88.) \$1.00; by mail, postpaid, \$1.25.

**Elastic Plant Sprinkler.** Similar to the above, with the exception of having a small bucket and tube attached. \$1.00; by mail, postpaid, \$1.25.

**Spray Dampener.** A cheap tin spray dampener. For persons having a few plants or a small conservatory, it takes the place of a syringe; also used by tobaccoists! 50 cents.

**Watering-Pots, Japanned Green.** The French pattern is considered an improvement over the old style of watering-pots. (See illustration, page 88.) 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 any extra exertion. These pots are made of extra heavy tin with an iron-hooped base, to protect the sides and bottom from being indented, and furnished with a detachable spout and two copper-faced roses, coarse and fine, for watering seedlings and plants. 4 qt., \$2.00; 6 qt., \$2.50; 8 qt., \$3.00; 12 qt., \$4.00.

We also have especially made the Round Watering Pot of extra heavy tin and iron-hooped bottom, japanned inside and outside, with two copper-faced roses, fine and coarse. 6 qt., \$2.50; 8 qt., \$3.00; 12 qt., \$3.50; 16 qt., \$4.00.

Common tin Round Watering-Pots, japanned inside and outside. 4 qt., 85 cts.; 6 qt., \$1.25; 8 qt., \$1.50.

**American Improved Brass Garden Syringes.** Of various sizes and patterns, for the conservatory, greenhouse, garden, etc.; fitted with caps or roses for ejecting water in one stream, or in a fine or coarse spray. They are heavily made and of the best material and workmanship, and not to be compared with the common light imported syringes.

No. A A. Parlor, very small, with one fine spray rose, 7 1/4 in. long and 1/2 in. diameter. \$1.25.

No. A. Garden, polished, with one stream and spray rose, 12 in. long and 1 in. diameter; used for whale oil soap, etc. \$2.25.

No. C. Garden, polished, with one stream and spray rose, 14 1/2 in. long and 1 1/2 in. diam. For whale oil soap, etc. \$3.50.

No. 2. Conservatory, with 1 stream and 2 roses, 13 1/2 in. long and 1 5/16ths in. diameter. \$3.50.

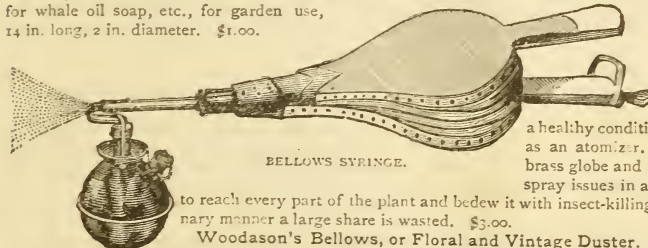
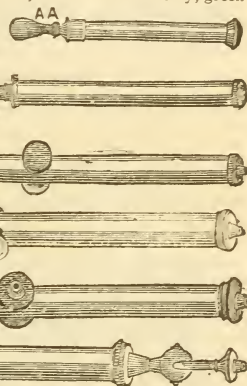
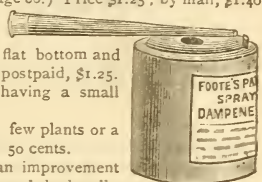
No. 3. Green-house, with one stream and two roses, 18 in. long and 1 1/2 in diameter (best plate valve). \$6.00.

No. 5. Green-house, with one stream and two roses, 18 in. long and 1 1/2 in. diameter (ball valve). \$5.50.

No. 7. Green-house, knuckle-joint, which can be turned in any direction, with one stream and two roses, 18 in. long and 1 1/2 in. diameter (ball valve). \$9.00.

No. 8. Best conical valve, with cross handle and one spray rose, 10 in. long, 1 1/4 in. diam. \$5.50.

No. 13. Tin, japanned, improved ball valve, for whale oil soap, etc., for garden use, 14 in. long, 2 in. diameter. \$1.00.



**Bellows Syringe.** An invention for showering plants with insect-killing liquids—or clear water to cleanse house-plants from dust and keep the foliage in a healthy condition; operating the same way as an atomizer. The liquid is put into the brass globe and the bellows worked; a fine spray issues in a copious stream that is easy

to reach every part of the plant and bedew it with insect-killing liquids; while in the ordinary manner a large share is wasted. \$3.00.

**Woodason's Bellows, or Floral and Vintage Duster.** For Paris Green, London Purple, Sulphur, Hellebore, Pyrethrum, or any other powder. For the extermination of bugs, worms, insects and mildew upon grapevines, etc. By the use of this improved bellows, it can be evenly distributed over every part of the infested plants. Double Cone Bellows, large size, \$3.00; Single Cone Bellows, small size, \$1.00; Atomizer for distributing liquid or powder, \$2.00.

**Cooke's Sulphur Bellows.** For distributing insect-destroying powder on plants. \$2.00.

**The Eureka Fumigator.** After many unsuccessful attempts, we have found an effectual apparatus for the fumigating of green-houses, etc., avoiding the unpleasant effect of being smoked almost to death, as by the old mode, as they required constant attention to prevent the tobacco stems burning to a blaze and destroying the plants.

This Apparatus is of simple construction, and not liable to get out of order. When once lit it is self-acting, and may be left in the house with perfect safety, as flaring is an impossibility, and setting anything on fire out of the question, while all the material is completely consumed without waste and given off in a dense smoke, filling a house in a short time.

It can be used for fumigating Green-houses, Conservatories, Pits, Frames, Hospitals, Ships, Poultry-houses, etc.; destroying all Insects or Purifying Rooms. With directions.

- No. 1. Height 12 in., diam. at top, 5 in. For a house 10x20 ft. Holds 1/2 peck of stems... \$1.50
- No. 2. Height 16 in., diam. at top, 7 in. For a house 12x40 ft. Holds 1 peck of stems.... 2.50
- No. 3. Height 20 in., diam. at top, 9 in. For a house 15x100 ft. Holds 1/2 bush. stems... 3.00
- No. 3. Also made of extra heavy iron, galvanized, and will be found very durable... 4.00
- No. 4. Height 24 in., diam. at top, 12 in. For a house 20x100 ft. Holds 3/4 bush. of stems, is made of extra heavy iron, galvanized, and will be found very durable..... 6.00



We can supply other implements, if so desired. Prices, illustrated circulars, and information given on application.

# Florists' and Amateurs' Requisites.

## CUT FLOWERS, IMMORTELES, BOUQUET MATERIALS, ETC.

**Bouquets of Fresh Cut Flowers, etc.** Among other evidences of refinement and culture is the increasing taste and demand for natural flowers for the decoration of dinner and supper tables, churches, weddings, funerals, etc. We 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 orders mention the latest time that will do to receive the flowers at your place. The prices vary according to the scarcity of flowers, and are always more expensive during the holidays. Prices given when desired on any particular design.

**Brides' and Bridesmaids' Bouquets.** Of choice flowers, with lace papers, or deep silk fringe, cord and tassels. Price from \$3.00 to \$8.00.

**Hand Bouquets.** From \$2.00 to \$5.00.

**Table Bouquets.** From \$3.00 to \$6.00.

**Immortelles, Everlasting Flowers and Ornamental Grasses,** of natural colors or dyed, have become almost indispensable articles for Florists' use, as well as amateurs, in bouquet making and arranging fancy and ornamental designs for church, house and parlor decorations.

### WREATHS OF WHITE, OR COLORED IMMORTELES.

9 in. diam., 2 rows of flowers.....	\$1 00	14 in. diam., 3 rows of flowers.....	\$2 50
10 " " 3 " " .....	1 50	15 " " 3 " " .....	3 00
12 " " 3 " " .....	2 00	15 " " 4 " " .....	4 00

### CROSSES OF WHITE, OR COLORED IMMORTELES.

6 in. diam., 1 row of flowers.....	\$0 50	12 in. diam., 3 rows of flowers.....	\$1 75
10 " " 2 " " .....	1 00	15 " " 3 " " .....	2 00
10 " " 3 " " .....	1 50	18 " " 3 " " .....	2 50

Bouquets and other designs made to order of Immortelles, Everlasting Flowers and Ornamental Grasses, combined or separate, as may be desired. Prices given on application.

**French Immortelles.** In original bunches as imported. 60 cents. The following are the colors we import: yellow, green, white, cherry-red, crimson, blue and violet.

**Everlasting Flowers** of the following varieties: *Acroclinium Roseum* and *Album*, *Helichrysum*, mixed

**Pampas Grass Plumes,** of a beautiful silvery appearance, 15 to 30 inches long, exclusive of stem, retaining their beauty for years. Ours are the finest California Plumes. They can be sent by mail with safety. When received they should be gently shaken over the hot air of a furnace register, or in front of a fire for a few moments, which will develop their beauty and light feathery appearance.

No. 1. Pampas Plumes, 40 cts. each; per dozen...	\$4 00
No. 2. " " 30 " " " "	3 00
No. 3. " " 25 " " " "	2 50
No. 4. " " 20 " " " "	2 00
Colored " " 50 " " " "	5 00

**Erianthus Ravenæ Plumes.** Each 15 cts.; per dozen, \$1.50.

**Dried Natural Grasses.** Assorted natural, or dyed, of various colors. Per bunch, 15 cts.; per dozen, \$1.25.

**Grass Stipa Pennata** (Feather Grass), white or natural, and dyed of various colors. Per bunch, 15 cts.; per dozen, \$1.25.

**Grasses of mixed varieties and colors.** Per large bunch, 50 cts.; per dozen, \$5.00.

**Fine Bleached Wheat and Oats.** Per oz., 20 cts.; per lb., \$2.00.

**Sea or Fern Moss,** very fine and graceful for shells or hanging-baskets, which are filled with Dried Grasses or Everlasting Flowers. Per bunch, 15 cts.; per dozen, \$1.50.

**French Moss,** dyed green, for Immortelle work, etc. Per bunch, 20 cts.; per dozen bunches, \$1.50.

**Fern Leaves Pressed,** for decorating rooms, etc. Per dozen fronds, 25 to 50 cts.

**Fern, Hartford or Climbing,** in beautiful long sprays. Each 10 cts.; per dozen, 50 cts.

**Straw work** of various designs, attractive and showy, for filling with natural or dried flowers, from \$1.00 to \$8.00.

**Fancy White and Gilt Work—Baskets, Plateaux, Stands,** and various other designs, very beautifully made and highly ornamental, which when filled with flowers, make splendid presents; from 50 cts. to \$5.00.

**Wire Work,** of all designs as well as sizes, supplied to order at the lowest market prices.

**Button-hole Bouquets.** From 10 to 25 cents.

**Floral Designs.** Of various sizes. \$3.00 to \$25.00.

**For Funerals.** Anchors, crosses, crowns, harps, wreaths, etc., made up of choice white flowers, each from \$3.00 to \$10.00, according to size.

colors, and *Xeranthemum*, white and red. Per dozen, 10 cts.; per 100, 50 cts.

**Cape Flowers.** These are the handsomest of all the natural dried flowers; silvery-white. Per dozen, 20 cts.; per 100, \$1.00; beautiful colors, dyed, per doz., 25 cts.; per 100, \$1.50.

**Autumn Leaves,** in great variety. Per dozen, 10 to 20 cts.; per 100, 50 cts. to \$1.00.

**Static Incana Hybrida,** in beautiful white sprays, for making up grass-work. Per oz., 20 cts.; per lb., \$1.25.

**Lycopodium Greens,** of extra quality, for making up bouquets. Per lb., 25 cts.; per bbl., \$4.00.

**Twine,** very fine, for tying bouquets. Per ball, 10 cts.; per lb., 60 cts.

**Fine Wire,** of different sizes, for bouquets. Per lb., 30 cts.

**Wooden Toothpicks.** Per box of 2,500, 15 cts.

**Tin Foil,** for bouquet handles. Per lb., 25 cts.

**Bouquet Papers, Italians,** assorted of different patterns and sizes, with twelve turned down scollops, extra broad lace edging, of good, heavy white paper. Per dozen, from 50 cts. to \$1.50, according to size.

**Bouquet Papers, Pasted Cortons,** assorted of different patterns and sizes. Per dozen, from 20 to 50 cts., according to size.

**Bouquet Papers,** with 3-in. white silk fringe, for bridal bouquets; 3 sizes, each 75 cts., \$1.00, and \$1.25.

**Bouquet Holders,** of heavy, plain white paper. Per dozen, 20 cts.

**Glass Tubes,** for button-hole bouquets, each 10 cts.; per dozen, 75 cts.

**Ladies' Brooch or Flower-holder,** fern, frond, bronze, each 50 cts.; per dozen, \$5.00.

WOODEN TRELLISES FOR FLOWER-POTS AND GARDEN.

These trellises are in all cases made of cane painted green, instead of wire. They retain their shape and form, are durable and much lighter. From their peculiar shape, large numbers can be put into a small space, thus making freight charges, even to the most distant points, come very low.

No. 0, wide, 24x8	in. wide, each 10 cts.	Per doz. \$1 00	Ivy shape, 16 in. diam.....each	\$0 60	Per doz. \$6 00
No. 0½, 24x7½	“ “ “ “	“ “ “ “	“ “ “ “	“ 80	“ “ 8 00
No. 1, 30x10	“ “ “ “	“ 30 “ “ 3 00	“ “ “ “	“ 1 00	“ “ 10 00
No. 2, 30x14	“ “ “ “	“ 40 “ “ 4 00	Veranda shape, 2 ft. high, “	“ 30	“ “ 3 00
No. 3½, 42x1	“ “ “ “	“ 50 “ “ 5 00	“ “ “ “	“ 50	“ “ 5 00
Fan shape, 2 feet high.....	“ “ “ “	“ 30 “ “ 3 00	Cross “ “ “ “	“ 30	“ “ 3 00
“ “ 4 “ “ .....	“ “ “ “	“ 75 “ “ 7 50	“ “ “ “	“ 50	“ “ 5 00

TAPERING FLOWER-POT AND GARDEN STICKS.

Made light and of durable wood, painted green. *The Dahlia Sticks* are two-thirds heavier than the others.

1½ ft., tapering.....	Per doz., 20 cts.	Per 100, \$1 00	5 ft., tapering.....	Per doz., \$1 00	Per 100, \$7 00
2 “ “ .....	“ 35 “ “	“ 2 00	3 “ Dahlia.....	“ 85	“ “ 6 00
2½ “ “ .....	“ 50 “ “	“ 3 00	4 “ “ “ .....	“ 1 00	“ “ 7 00
3 “ “ .....	“ 60 “ “	“ 4 00	5 “ “ “ .....	“ 1 25	“ “ 8 50
4 “ “ .....	“ 85 “ “	“ 6 00	6 “ “ “ .....	“ 1 50	“ “ 10 00

POT AND GARDEN PLANT STICKS.

Made strong and of durable wood, painted green, tapering, with a fancy white top.

3 feet.....	Per doz., \$0 80	Per 100, \$6 00	5 feet.....	Per doz., \$1 25	Per 100, \$9 00
4 “ .....	“ 1 00	“ 7 50	6 “ .....	“ 1 50	“ 10 00

WOODEN PLANT AND TREE LABELS.

Plant 4 in. long.....	Per 100, 15 cts.	Per 1000, \$1 00	Notched for wire, 4 in. long.	Per 100, 15 cts. ; per 1000, \$1.
“ 5 “ .....	“ 20 “ “	“ 1 25	Glass, to put paper label in.	Per doz., 50 cts.
“ 6 “ .....	“ 25 “ “	“ 1 50	Zinc, to write on with indelible ink.	Per 100, 60 cts.
Nursery, 12 in. long, per 100, \$1 00.	“ 6 50	“ 6 50	Indelible Ink, for zinc labels.	Per bottle, 25 cts.

**Expanding Adjustable Flower-Pot Covers.** A convenient article for covering common pots. They are made of wood, some of the natural colors oiled, others painted and ornamented, with fancy nails; from their construction they fit pots of several sizes.

Plain colors, 6, 7 and 8 in.....Each 15, 20 and 25 cts. | Walnut, 5, 6, 7 and 8 in.....Each 20, 25, 30 and 35 cts.  
 Fancy “ 6, 7 and 8 in.....Each 35, 40 and 45 cts. | Gilt, “ 7 and 8 in.....Each 60 and 65 cts.

**Wooden Plant Stands.** A useful and cheap folding-stand for arranging plants both in and out doors. Neatly made and painted green. The frame folds together, making a compact and convenient article for transportation and storage. 36 in. high, 40 in. wide, 4 shelves, \$3.50; 60 in. high, 48 in. wide, 5 shelves, \$5.00.

**Wire Plant Stands.** Light, strong and durable, with castors, and very ornamental. Half round, 3 shelves, painted green, and bronzed, \$5.00; Square, 3 shelves, painted green, and bronzed, \$6.00.

**Iron Flower-Pot Brackets,** of beautiful designs and various sizes, and are made to swing, so that they can be moved out of the way of the curtain: from 15 cts. to \$3.50 each, according to size and finish.

RUSTIC WORK.

Made very durable and ornamental, of natural roots and knots.

**Hanging-Baskets,** Nos. 2, 3 and 4, Round Bowl, 8, 10 and 12 in. diameter, \$1.50, \$2.00 and \$2.50.

“ “ “ “ Nos. 1, 2, 3, 4 and 5, Oval Bowl, \$1.25, \$1.50, \$2.00, \$2.50, and \$3.50.

**Large Plant Stands,** from \$2.50 to \$10.00. **Arm Chairs,** for piazzas and lawns, \$5.00. **Settees,** from 4 to 6 feet long, for piazzas and lawns, from \$8.00 to \$10.00.

**Wire Hanging-Baskets.** Galvanized, of various sizes, each from 25 to 65 cents.

For complete Lists of *Hyacinth Glasses, Hanging-Baskets, Flower-Pots, Fern Dishes, Wardian Cases, Iron Brackets, etc.,* refer to *Bulb Catalogue* for 1882-83.

INSECT DESTROYERS, FERTILIZERS, ETC.

We offer the following preparations for destroying the different kinds of Insects, which are such pests to the Gardener and Amateur, that at times they almost despair of saving their plants, until the best known remedies are tried for destroying the same, which we have endeavored to give in our list, and they not only destroy them, but at the same time promote a healthy and vigorous growth. We have a book for sale on the subject: "How to Destroy Insects on Plants and Flowers, in the Garden and House." Price, in paper cover, 30 cents. For other books, see page 81. We also give a list of the best Fertilizers for Flowering Plants, the Lawn and Garden. On pages 88, 89, will be found Syringes, Bellows, Sprinklers, etc., for applying these compounds and preparations, also Eureka Fumigators, see page 89.

INSECT DESTROYERS.

**Gishurst's Compound.** This is extensively used in England and on the Continent, as well as in this country, and is essential for preventing and destroying *Green, Brown, and Black Fly, Mildew, Thrip, Mealy Bug, and Scale,* also for washing walls, frames, and sashes of green-houses. With directions. Price per box, 75 cents; by mail, \$1.00.

**Carbolic Acid Soap.** It will destroy all forms of insects and parasites. It kills and drives away *Lice, Fleas, Ants, Bugs, Worms, Grubs,* and all insects that destroy animals and plants. With directions. Per cake, 10 cts.; by mail, 20 cts.

**Whale Oil Soap.** An effectual remedy for destroying and preventing *Insects* on Plants, Trees, Vines, etc., for washing down the bark of Trees, Grape Vines, destroying the *Aphid*; or *Plant Louse, Slugs* on Roses, *Thrips* on Grape Vines, *Mildew,* and *Slugs* on Pear Trees. In cans, with directions. Three sizes, at 30, 60, and 80 cents each; the two small sizes only available, which we mail for 60 cents and \$1.20. Quantities of 25 lbs. and upwards sold at 10 cts. per lb.

**Combined Soaps.** *Good's New Preparation* is most effective for destroying different kinds of *Insects,* and at the same time stimulates like a fertilizer. It is composed of the following articles, which are all beneficial: *Whale Oil Soap* as the body, with *Carbolic Acid, Hellebore, Tobacco, Guano,* etc. In cans, with directions. Two sizes, ½ lb. cans, 5 cts.; 1 lb. cans, 25 cts. each; by mail, 25 and 40 cts.

**Carbolic and Whale Oil Combined**, in cans, with directions. Three sizes, 40, 75, and \$1.00 each; the two small sizes only mailable, mailed for 75 cents and \$1.35. Quantities of 25 lbs. and upwards sold at 15 cts. per lb.

**Hellebore**, for destroying *Rose Slugs*. Mix two ounces of powdered white Hellebore to one gallon of boiling water. When cool enough to use, apply with a syringe, atomizing bellows, or whisk, bending the tops of the plants over so as to reach the under as well as the upper side of the leaves, dashing the liquid upon the plant in a fine spray. One or two applications is usually sufficient for a season, and it is thoroughly effective. It can also be applied in a powdered state early in the morning while the dew is upon the plants. With directions. Per lb., 40 cts.; by mail, 60 cts; per bottle, 20 cts.; by mail, 35 cts.

**Pyrethrum Roseum**, or Persian Insect Powder. For destroying *Roaches, Ants, Fleas*, and all other noxious *Insects*. To effectually destroy the Bugs, the powder must be thrown into the crevices, holes and places infested by them. Per lb., \$1.00; by mail, \$1.20; per bottle, 25 cts.; by mail, 40 cts.

**Pure Paris Green**, for destroying potato bugs. It is effectual for destroying that pest. Take one pound of Paris Green and fifty pounds of plaster, mix thoroughly together and put it into the Woodason's double or single *cone bellows*, or any other appliance for distributing it evenly over the plants. Apply early in the morning, while the plants are wet with dew; it then forms a paste on the plants, and is more effectual; or, mix two tablespoonfuls to a bucket of water, stirring often to prevent it settling to the bottom, and apply with a syringe, atomizing bellows, or a whisk. Directions for use with each package. 35 cts. per lb.; by mail, 50 cts.

**London Purple**, for destroying potato bugs. Combined either with water or plaster. If the former, mix into a smooth paste, and add in proportion 1 ounce to 3 gallons, or 1 pound to 48 gallons of water, and apply in a fine spray. If with the latter, 6 pounds to 1 ounce, or 1 pound to 100 pounds of plaster, and apply with Woodason's double or single *cone bellows*. Per lb., 25 cts.; by mail, 40 cts.

**Pure Flour of Sulphur**. A preventive and cure for mildew on grape vines, rose bushes, etc., in or out-doors, and for the destruction of insects on plants. It is most effective when applied with Woodason's double or single *cone bellows* like dust on the foliage. Per lb., 10 cts.; by mail, 30 cts.

**Tobacco Stems**, for fumigating plants to destroy insects, and if used every week or two, it not only destroys the insects, but promotes a healthy growth of the plants. Per lb., 10 cts.; in bales of about 200 lbs., \$4.00.

We recommend the Eureka Fumigator. See our list for sizes and prices on page 89.

FERTILIZERS.

**Pure Peruvian Guano**.—Guaranteed. A well-known stimulant to promote growth of all kinds of growing crops and house plants, from the large percentage of ammonia and phosphate it contains. The quantity used per acre is from three to four hundred pounds; before using, it should be made fine and mixed with loam, charcoal dust, or plaster. It should not be mixed with lime, ashes, muck or clay, as they are not suitable, nor should it come in contact with growing plants when used in a dry state. For pot and growing plants in the garden, it can be used as a liquid manure, and its effect is almost immediate. Prepare in the following manner: take one pound of guano to twenty gallons of water, and let stand until dissolved. Water the plants once a week with the solution, stirring it well before using. Put up in boxes, with directions; three sizes, 15, 30 and 50 cts. each, the two small sizes only mailable for 40 cts. and 85 cts. Per sack of 200 lbs., \$3.00; per ton, \$70.00.

**Bowker's Ammoniated Food for Flowers**. A fertilizer made especially for plants grown in the *Conservatory, House, or Garden*; clean, free from offensive odor, largely soluble in water, producing healthy plants free from vermin, early and abundant flowers, to which it imparts a rich and brilliant hue.

Full directions with each bag or package. Package, 35 cts.; by mail, 50 cts.; dozen packages, \$4.00; bags of 5 lbs., 75 cts.; 10 lbs., \$1.25, and 50 lbs., \$3.50.

**Bowker's Kitchen-Garden and Lawn Dressing**. Do not disfigure your Lawns, Grass Plats, or Cemetery Lots with strong, offensive stable manure, full of weed seeds. This preparation acts gradually through the season, producing a luxuriant growth of grass of a rich color, and for all kitchen-garden crops which it stimulates into an early growth. It may be applied during the spring, summer and autumn, or as often as it may be required for nourishment. Bags of 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

**Star Bone Phosphate and Plant Food**. Prepared of *Pure Ground Bones, Sulphuric Acid, Ammoniacal Matter*, and a high grade of *Muriate of Potash*. It contains a large percentage of really soluble *Bone Phosphate of Lime*, made especially to stimulate into a quick and healthy growth all farm crops, Small Fruits, Vegetables, and Flowers; also a splendid Lawn Fertilizer. Apply 400 lbs. to the acre, and two or three tablespoonfuls to each flower pot according to size by sprinkling the surface and working it into the soil. Per up in bags, with directions. 5 lbs., 25 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.00, and in sacks of 200 lbs., \$5.00; per ton, \$40.00.

**Pure, Fine-Ground Bone for Fertilizing**. Recommended for vine borders and fruit-trees; if sown thickly, forms an excellent restoring and quickening power on grass-plats in gardens, pleasure grounds, etc.; it should be rolled in after sown; also fine for mixing with the soil for potting plants. Apply three to four hundred pounds per acre. Per ton, \$45.00; sack of 200 lbs., \$5.00; in bags of 10 lbs., 50 cts.; 5 lbs., 25 cts. (and boxes of 3 lbs., 15 cts.; by mail, 65 cts.)

SUNDRY ARTICLES.

**Grafting Wax**, of first quality, put up in convenient bars for grafting, cuts and bruises on trees, which causes them to heal up rapidly. With directions for use, 1 lb., 40 cts.; ½ lb., 25 cts., and ¼ lb., 15 cts. By mail, 16 cts. per lb., or fraction thereof, additional for postage.

Jersey Peat, for potting plants, etc., (to be mixed with the soil).....	Per bbl,	\$1.50
Propagating Sand.....	"	3.00
Prepared Potting Soil.....	Per bu., 75 cts.,	" 1.50
Sphagnum Moss, used by Florists for packing plants for shipment; also for growing Orchids, etc....	"	1.50
Roffea, the best and strongest material known for tying plants, vines, etc.....	Per lb.,	.75
Archange Mats, <i>new</i> , 8 feet long and 4½ feet wide.....	Each	.85
Mats (Russian Bass), for budding and covering hot-beds, second-hand. 1st quality, 25 cts. each..	Per doz.	2.50
Mats (Russian Bass), second hand, 2d quality. Used for the same purpose as above, 15 cts. each..	Per doz.	1.50

**Bell, or Propagating Glasses**. Made very strong, with an extra heavy rim at the bottom, clear white flint glass, and of uniform shape.

4 inches.....	25 cts.; per dozen, \$2.00	6 inches.....	45 cts.; per dozen, \$4.00
5 ".....	35 " " " 3.00	7 ".....	50 " " " 5.00



# Plant Collections.

For the convenience of those not familiar with the varieties, the following collections have been selected with reference to supplying the very best sorts of the respective classes, and at much lower prices than when selected by the purchaser. We do not make parts of collections.

## THE "\$" MAIL COLLECTIONS.

The varieties are all labeled, true to name, and packed securely to be delivered to purchaser in good order free of expense.

No.	
1.—	6 Abutilons.
2.—	4 Azaleas.
3.—	4 Begonias, Tuberous-rooted.
4.—	6 " Ornamental.
5.—	6 " Flowering.
6.—	6 Bouvardias.
7.—	10 Basket Plants.
8.—	6 Caladiums, Fancy.
9.—	4 Camellias.
10.—	6 Cannas.
11.—	8 Carnations.
12.—	4 Clematis.
13.—	10 Coleus.
14.—	4 Croton.
15.—	8 Chrysanthemums.
16.—	6 Dahlias.
17.—	4 Dracæna.
18.—	6 Ferns.
19.—	6 Fuchsias.
20.—	8 Geraniums, Zonale, Single.
21.—	8 " " Double.
22.—	8 " " Scented.
23.—	6 " " Ivy-leaved.
24.—	12 Gladiolus.

No.	
25.—	4 Gloxinia Grandiflora Crassifolia.
26.—	8 Greenhouse Plants.
27.—	8 Hardy Plants.
28.—	8 Heliotropes.
29.—	5 Hibiscus.
30.—	6 Hydrangea.
31.—	5 Jasmine.
32.—	8 Iris Germanica.
33.—	8 Lantanas.
34.—	6 Lilies.
35.—	4 Marantas.
36.—	12 Pansies.
37.—	6 Pelargoniums.
38.—	10 Petunias, Single, Assorted.
39.—	8 " " Double, " "
40.—	8 Hardy Phlox.
41.—	8 " " Pinks.
42.—	8 Roses, Hybrid Perpetual.
43.—	8 " " Monthly and Teas.
44.—	6 Salvia.
45.—	12 Tuberoses, Double.
46.—	12 " " Pearl.
47.—	15 Verbenas.
48.—	6 Violets.

Clabbing rates of Collections by Mail—3 collections for \$2.50; 5 for \$4.25; 10 for \$3.00.

## THE ABC EXPRESS COLLECTIONS.

The plants here offered are large, well-grown specimens, and are packed carefully to carry to any part of the country. The varieties are grown in large quantities for this purpose, hence the advantages given in prices. Collection A of each number is sold at \$2. B is \$3, and C \$5. It is understood that different sorts are supplied when more than one plant is offered.

### No. 1.—Ornamental Foliage Plants for Bedding.

	A \$2.	B \$3.	C \$5.
Abutilon.....	1	2	4
Achyranthus.....	1	3	6
Agave.....	1	1	2
Arunda Donax Variegata.....	1	1	2
Caladium Esculentum.....	1	2	4
Canna.....	1	2	4
Centaurea.....	1	3	6
Coleus.....	1	3	6
Eulalia Japonica Zebrina.....	1	1	2
Euonymus.....	1	1	2
Hydrangea Variegata.....	1	1	2
Yucca.....	1	1	2

### No. 2.—Ornamental Foliage Plants for Pot Culture.

	A \$2.	B \$3.	C \$5.
Begonia, ornamental.....	1	3	6
Caladium, fancy.....	1	3	6
Croton.....	1	2	4
Dracæna.....	1	1	2
Farfugium Grande.....	1	1	2
Ferns.....	1	3	6
Maranta.....	1	1	2
Palm.....	1	1	2
Pandanus.....	1	1	2
Peperoma.....	1	1	2

### No. 3.—Hardy Herbaceous Plants, requiring no care or protection.

	A \$2.	B \$3.	C \$5.
Aquilegia.....	1	1	2

### No. 3.—Continued.

	A \$2.	B \$3.	C \$5.
Astilba Japonica.....	1	2	4
Chrysanthemum.....	1	2	4
Clematis.....	1	1	2
Delphinium Formosum.....	1	1	2
Dielytra Spectabilis.....	1	1	2
Funkia.....	1	1	2
Hydrangea.....	1	1	2
Iris Germanica.....	1	2	4
Lily of the Valley.....	1	3	6
Lychnis, double white.....	1	1	2
Nymphæa (Water Lily).....	1	1	2
Pæonia.....	1	2	4
Phlox.....	1	2	4
Pinks.....	1	2	4
Platycodium.....	1	1	2
Plumbago Larpenda.....	1	1	2
Tritoma.....	1	1	2

Or, 12 plants of purchaser's selection instead of A collection.

### No. 4.—Hardy Grasses for permanent effects.

	A \$2.	B \$3.	C \$5.
Arunda Donax.....	1	2	4
" " Variegata.....	1	2	4
Bambusa.....	2	2	4
Erianthus.....	1	2	4
Eulalia Japonica.....	1	2	4
" " Zebrina.....	1	2	4
Pampas Grass.....	1	2	4

No. 5.—Bulbous Roots, Summer-Flowering, for bedding.

	A \$2.	B \$3.	C \$5.
Amaryllis Formosissima.....	1	2	4
Canna.....	2	3	6
Dahlias.....	1	2	4
Gladiolus.....	3	5	10
Lilies.....	2	3	6
Madeira Vine.....	2	4	8
Oxalis.....	6	4	16
Tigridia.....	2	4	8
Tuberose, double.....	3	5	10

No. 6.—Bulbous Roots, Summer-Flowering, for pots.

	A \$2.	B \$3.	C \$5.
Amaryllis Vitatta.....	1	1	2
Achimenes.....	2	4	8
Begonias, tuberous-rooted.....	1	3	6
Eucharis Amazonica.....	1	1	2
Gesneria.....	1	2	4
Gloxinia Crassifolia.....	2	4	8

No. 7.—Basket and Vase Plants.

	A \$2.	B \$3.	C \$5.
Begonia, flowering.....	1	2	4
"    ornamental.....	1	1	2
Dracena.....	1	1	2
Ferns.....	3	5	10
Geraniums.....	2	3	6
Ivy.....	1	2	4
Lobelia.....	2	3	6
Othonna.....	2	3	6
Peperoma.....	1	2	4
Peristrophe.....	1	2	4
Torenia.....	2	3	6
Tradescantia.....	2	4	8
Vinca Elegantissima.....	1	2	4

No. 8.—Roses, strong, one year, pot-grown.

	A \$2.	B \$3.	C \$5.
Bengal.....	2	3	6
Bourbon.....	2	3	6
Hybrid Perpetuals.....	3	5	10
Moss.....	1	2	4
Prairie.....	1	1	2
Teas.....	3	4	8

No. 9.—Greenhouse Plants for Winter-Flowering.

	A \$2.	B \$3.	C \$5.
Azalea.....	1	2	4
Calla.....	1	2	4
Camellia.....	1	1	2
Clerodendron.....	1	1	2
Daphne.....	1	1	2
Ferns.....	1	2	4
Gardinia.....	1	2	4
Jasminum.....	1	2	4
Palm.....	1	1	2
Smilax.....	1	2	4

No. 10.—Ferns of the finest varieties, including variegated and tree varieties.

A \$2.	B \$3.	C \$5.
12 varieties.	20 varieties.	40 varieties.

No. 11.—Winter-Blooming Plants.

	A \$2.	B \$3.	C \$5.
Abutilon.....	1	1	1
Azalea.....	1	1	2
Begonia, flowering.....	1	1	2
Bouvardia.....	1	2	4
Calla.....	1	2	4
Carnation.....	1	2	4
Camellia.....	1	1	2
Heliotrope.....	1	2	4
Jasmine.....	1	2	4
Primula.....	1	2	4
Roses.....	1	2	4
Violets.....	1	2	4

# Small Fruits.

The circumstances of soil and climate greatly influence the varieties, both in productiveness and quality, hence the wide difference of opinion upon their respective merits. Of so many new varieties of which we hear and try, few stand the test, or last over a year or two. We have discarded, in the following lists, the poorer kinds, and offer only those that have stood a severe test.

## BLACKBERRY.

These are rank growers, requiring an ordinary soil, with a spading of manure in the spring; trim out the dead wood in the autumn, and the end of growing shoots in the summer. Plant 3 by 8 feet apart.

	Per doz.	Per 100.
Early Dorchester. The earliest sort, good bearers.....	\$ 75	\$3 00
Early Wilson. Early, large, sweet, and productive.....	75	3 00
Early Harvest. (New.) The earliest, good size, and quality.....	2 00	14 00
Kittatinny. Very large, superior quality, and productive.....	75	3 00
Snyder. Early, medium berries, excellent quality, rust proof.....	1 00	4 00
Taylor. Very hardy, medium early, extra large berries.....	1 00	4 00
Thornless. Good bearer, medium.....	1 00	5 00

Add 35 cts. per doz. when ordered to be sent by mail.

## CURRENT.

These require a cool, rich ground. Plant 3 by 4 feet apart. A thorough mulching is necessary for large returns. The currant worm is most effectually destroyed by dusting the bushes with powdered white Hellebore while the dew is on them.

	Per doz.	Per 100.
Black Naples. Black fruit, suitable for jams, etc.....	\$1 50	\$ 8 00
Cherry. Dark red, very large fruit.....	1 50	8 00
Fay's New Prolific Red. Color rich red. As compared with the Cherry Currant it is equal in size, better in flavor, with much less acid, and five times as prolific; also from its peculiar stem less expensive to pick.....	Each \$1	10 00

## CURRANT—Continued.

	Per doz.	Per 100.
La Versailles. An excellent table variety, red.....	\$1 50	\$8 00
Lee's Prolific. Early large black berries. 25 cts.....	2 50	
Red Dutch. Dark red, very productive.....	1 50	8 00
Victoria. Long bunches, brilliant red, late.....	1 50	8 00
White Grape. Large, white fruit.....	1 50	8 00

Add 25 cts. per doz. when ordered to be sent by mail.

## GOOSEBERRY.

- Requires a cool, rich soil. Plant 3 by 4 feet apart. 25 cts.; \$2 per doz.; \$12 per 100, except where noted.
- Houghton's Seeding. A vigorous and productive variety, small, pale red, sweet, and good.
- Downing. Fruit very large, pale green, and splendid quality, prolific and hardy.
- Hudson. New large red, highly recommended.
- Smith's Improved. Large pale greenish yellow, excessively prolific; requires high cultivation.
- Add 25 cts. per doz. when ordered to be sent by mail.

## GRAPE VINES—Hardy Varieties.

These vines should be planted from 6 to 10 feet apart in rows, rows 8 feet apart, either trained on trellises or tied to stakes, and thinned out during the season. Give plenty of good manure every spring, and bone dust during the season. One year old vines, 30 cts.; \$3 per doz. Two year old, 50 cts.; \$5 per doz., except where noted.

- Agawam. (Rogers, No. 13.) Red, tender, and juicy.
- Bacchus. Black, blue bloom, 1 year, 50 cts.; 2 year, 75 cts.
- Brighton. Red bunches, large and compact.
- Catawba. Red, excellent keeper.
- Champion. Black, large, early.
- Clinton. Black, small berry, good wine grape.
- Creveling. Black, early.
- Concord. Black, the hardiest and best grape for general cultivation.
- Delaware. Red, compact bunch, sweet.
- Diana. Pale red, tender.
- Duchess. Recommended as the best Hardy White Grape in existence. 1 year, 75 cts.; 2 year, \$1.
- Early Dawn. An early black grape of fine quality. 2 year, \$1.
- Excelsior. Just introduced as a superior light red grape. 1 year, \$3.
- Eldorado. Clear golden yellow. Early. 2 year, \$1.50.
- Hartford Prolific. Black, early, and prolific.
- Herbert. (Rogers, No. 44.) Black, early, sweet.
- Highland. Black, soft, and sweet. 2 year, \$1.50.
- Iona. Pale red, medium.
- Isabella. Black, musky aroma.
- Jefferson. Light red, juicy, sweet. 1 year, \$1; 2 year, \$1.50.
- Lady. Yellowish green, early sweet.
- Lady Washington. Deep yellow; covered with a thin, white bloom; sweet and good. 2 year, \$1.50.
- Lindley. (Rogers, No. 9.) Red, tender.
- Martha. Greenish-white, very sweet; a popular white grape.
- Moore's Early. Black, very large, excellent.
- Merrimack. (Rogers, No. 19.) Black, very vigorous, sweet.
- Naomi. Pale green, Muscat flavor, beautiful. 1 year, \$1.
- Perkins. Red, early.
- Pocklington. A noble grape, golden berries, large clusters, strong habit. 1 year, \$1; 2 year, \$1.50.
- Prentiss. Yellowish-green, firm, tender, and sweet. 1 year, 75 cts.; 2 year, \$1.
- Salem. (Rogers, No. 53.) Chestnut color, large, good.
- Telegraph. Black, very early, good.
- Vergennes. Red, early. 2 year, \$1.50.
- Waverly. Black, medium early. 2 year, \$1.50.
- Wilder. (Rogers, No. 4.) Purplish-black, early.
- Worden. Black, early.
- Wyoming. Red, early. 2 year, \$1.25.

One-year vines by mail, add 10 cts. each or 50 cts. per doz., to cover postage.

## FOREIGN GRAPE VINES.

For growing under Glass in Hot or Cold Vineries.

In the following list of vines, we have selected only the best varieties for general use, but can furnish others if so desired. These vines are all of the best quality, extra fine and strong, and are certain of giving satisfaction, of one and two years' growth; one year in six inch pots, and the two year old in ten inch pots.

One year old, \$1; two years old, \$2.

These varieties are suitable for either warm or cool vineries:

Black or Purple Grapes.

- Black Prince.  
Madresfield Court.  
Hamburg, Black.  
Hamburg, Muscat.  
Hamburg, Victoria.

Trentham, Black.

- White and Yellow Grapes.  
Buckland Sweetwater.  
Calabrain Raisin.  
Chasselas de Fontainebleau.

- Chasselas, Golden.  
Chasselas, White.  
Santa Cruz.  
White Frontignan.  
White Nice.  
White Sweetwater.

FOREIGN GRAPE VINES—Continued.

These varieties are only suitable for warm vineries :

Black or Purple Grapes.  
 Black Alicante.  
 Black Barbarossa.  
 Black St. Peter's.  
 Bowood Muscat.  
 Frontignan, Black.  
 Frontignan, Grizzly.

Gros Colman.  
 Hamburg Mill Hill.  
 Hamburg, Wilmot's.  
 Lady Down's Seedling.  
 Mrs. Prince's Black Muscat.  
 Prince Albert.  
 Royal Ascot.

White and Yellow Varieties  
 Cannon Hall Muscat.  
 Duchess of Buccleuch.  
 Muscat of Alexandria.  
 White Syrian.  
 White Tokay.

RASPBERRY.

Plant 3 by 6 feet apart, in good soil, in the autumn or early spring. The old wood must be removed every year.

	Color.	Season.	Doz.	100.
Brandywine.....	Red.	Medium.	\$0 75	\$2 00
Caroline. Highly recommendd.....	Yellow.	Medium.	1 50	8 00
Canada Black.....	Black.	Early.	75	3 00
Cuthbert, or Queen of the Market. Superior.....	Red.	Medium.	1 00	4 00
Doolittle's Improved.....	Black.	Early.	75	3 00
Early Prolific.....	Red.	Early.	75	3 00
Early Welsh. New.....	Red.	Very early.	2 00	
Gregg.....	Black.	Late.	75	3 00
Hansell. New.....	Red.	Early.	3 00	18 00
Herstine.....	Red.	Early.	75	3 00
Hopkins.....	Black.	Early.	1 50	6 00
Lost Rubies.....	Red.	Medium.	1 00	5 00
Mammoth Cluster.....	Black.	Medium.	75	3 00
Mont Clair. New.....	Red.	Medium.	4 00	
Philadelphia.....	Red.	Medium.	1 00	4 00
Reliance.....	Red.	Medium.	75	3 00
Shafer's Colossal. New.....	Purple.	Late.	1 50	7 00
Souhegan.....	Black.	Extra Early.	1 50	9 00
Superb. New.....	Red.	Medium.	3 00	20 00
Turner (Southern Thornless).....	Red.	Early.	75	3 00

Remit 25 cts. per dozen additional, when ordered to be sent by mail.

STRAWBERRY PLANTS.

The circumstances of soil and climate greatly influence the varieties of this fruit, both in its productiveness and quality; hence the wide difference of opinion upon their respective merits. Fortunately there are varieties enough to suit all soils and tastes, and each cultivator can, by careful experiment, discover which of the most popular varieties are suited to his circumstances. The best months for planting runner plants in this vicinity are September and October for the autumn, and March and April in the spring; the spring months are generally preferred by all our extensive fruit-growers. When planted in beds for garden culture, the plants can be set from 12 to 15 inches apart, each way. For field culture the rows are about 3 feet apart, and 12 inches in the rows. The ground must be deeply dug and manured with say three inches of well-rotted cow or horse manure. When the ground freezes, cover with hay, leaves, or straw two inches deep; in the spring work this under the plants to mulch the soil and keep the fruit clean.

Pot-Grown Plants ready in August, and when planted in the autumn will produce a crop of berries in the spring. Special List mailed on application. Those marked P are pistillate varieties.

	Doz.	100.	1,000.		Doz.	100.	1,000.
Bidwell. New.....	\$ 50	\$ 1 00	\$ 6 00	Longfellow.....	75	2 00	
Big Bob. P.....	1 50	10 00		Manchester. New.....	75	3 00	
Champion. P.....	50	1 00	6 00	Mount Vernon.....	50	1 00	6 00
Charles Downing.....	50	1 00	6 00	Monarch of the West.....	50	1 00	6 00
Crescent Seedling. P.....	50	1 00	6 00	Nigh's Superb.....	2 00		
Crystal City.....	50	1 00	6 00	Piper's Seedling.....	1 00	5 00	
Cumberland Triumph.....	50	1 00	6 00	Primo.....	75	2 00	
Duncan.....	75	1 50		Seneca Queen.....	75	2 00	
Glendale.....	50	1 00	6 00	Seth Boyden.....	50	1 00	6 00
James Vick. New.....	2 00	10 00		Sharpless.....	50	1 00	6 00
Jersey Queen. P.....	1 00	5 00		Wilson's Albany.....	50	1 00	6 00
Kentucky.....	50	1 00	6 00	Warren.....	75	1 50	
Lennig's White.....	75	2 00					

Mailed free of postage at dozen rates. Remit 50 cts. per 100, or fraction, when ordered to be sent by mail, to prepay postage.

TREES AND SHRUBS.

We furnish from a leading nursery the most approved varieties of Fruit, Shade and Ornamental Trees.

Apples, Standards, 35 cents; dwarfs, 50 cents.	Peaches, Standards, 30 cents.
Apricots, Standards, 50 cents.	Pears, Standards, 75 cents; dwarfs, 50 cents.
Cherries, Standards, 50 cents; dwarfs, 50 cents.	Plums, Standards, 75 cents.
Crab Apples, Standards, 50 cents.	Quinces, Standards, 50 cents.
Mulberries, 50 cents.	Shrubs of Kinds, 50 cents.
Nectarines on Peach, 35 cents; on Plum, 50 cents.	Shade and Ornamental Trees, 50 cents to \$1.00.

Estimates furnished and Catalogues mailed to applicants, giving varieties and descriptions.

# SUPPLEMENT.

## NEW SPECIAL LIST OF VEGETABLE SEEDS FOR 1883.

The following varieties, to which we give space, are not all new introductions, but are worthy of special merit. Having been tried they have proved to be of superior quality. The descriptions of **New Varieties** are as given by their respective growers.

Remit for postage 16 cts. per pound, or 25 cts. per quart, or fraction thereof, when ordered to be sent by mail.

Packets and ounces mailed post-paid on receipt of price.

**BEAN, Ivory Pod Wax.** This new variety cannot be too highly praised, as a dwarf, snap-short, or for a winter shelled bean, and canning purposes. It is a week earlier than the *German Black Wax*, long, stringless, tender, succulent, with transparent ivory-white pods, and of a rich, creamy flavor. It is, without doubt, the most productive wax bean now grown, the vines being a perfect mat of pods. (See illustration, page ii.) Per pkt., 10 cts.; per qt., 50 cts.; per bush., \$10.00.

**BEAN, White Branching Sugar.** Also known as Mexican Tree Bean. This new dwarf variety is the most prolific yet known, grows 18 inches high, branching like a tree, bearing its pods so high that they do not touch the ground, and are not injured by wet weather; the ripe beans resemble the white navy, but are larger and of finer flavor. They yield about 60 bushels per acre. Pkt., 10 cts.; qt., 40 cts.; bush., \$3.00.

**BEAN, Dreer's Improved Lima.** A very productive pole variety of superior quality; when green they are nearly as large as the Large Lima, thicker, sweeter, more tender and nutritious, remaining green in the pod a long time after maturing, which is a benefit to the *market gardener*. Pkt., 10 cts.; qt., 50 cts.; bush., \$12.00.

**BEAN, Giant Wax.** (Red seed.) This pole bean is of our introduction, with pods from 6 to 9 inches long, thick and fleshy, of a pale yellow, waxy color, very productive and tender when full grown; as a snap-short or green shelled bean, they have no superior. Pkt., 10 cts.; qt., 50 cts.; bush., \$12.00.

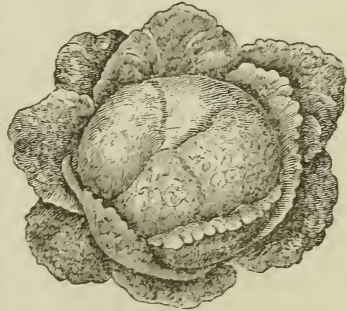
**BEEF, Pineapple.** An excellent half-long variety, with small dark red foliage, and roots of a rich deep crimson color. Pkt., 5 cts.; oz., 15 cts.; lb., \$1.25.

**CABBAGE, Dreer's Early Drumhead.** A favorite with the *market gardeners*; a second-early variety, with large solid heads, broad and roundish, sometimes slightly conical; tender, fine-grained and excellent flavor; also adapted for fall and winter use. We consider it the best strain in the market. (See illustration, page ii.) Pkt., 10 cts.; oz., 80 cts.; lb., \$3.00.

**CABBAGE, Early Jersey Wakefield.** A favorite *market gardener's* variety; it is very early, following the *Oxheart*, of good quality and sure to head; *extra fine selected stock*. Pkt., 10 cts.; oz., 80 cts.; lb., \$3.00.

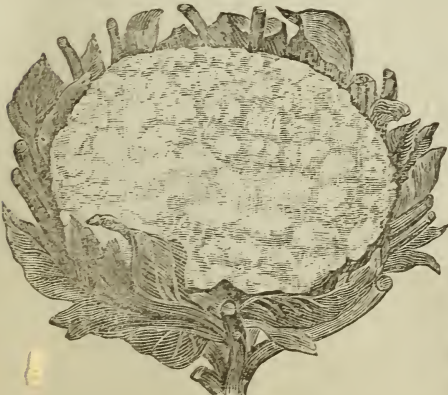
**CABBAGE, Early Improved Flat Brunswick.** The best early *Flat Dutch* for *market gardeners*; either as a second-early or late sort; short stem, large solid heads, always sure; of *superior stock*. Pkt., 10 cts.; oz., 50 cts.; lb., \$5.00.

**CABBAGE, Perfection Drumhead Savoy.** American grown seed of superior quality, the largest solid-heading sort, very finely curled, short stalk, and compact grower, of excellent flavor, with the richness of the *Cauliflower*. Pkt., 10 cts.; oz., 60 cts.; lb., \$6.00.

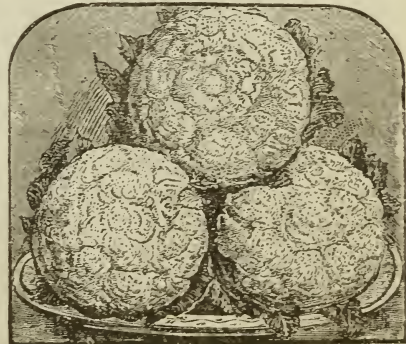


PERFECTION DRUMHEAD SAVOY CABBAGE.

**CAULIFLOWER, Dreer's Earliest Snow-Storm.** The earliest and best of all for forcing or open ground culture. It is dwarf, with short outer leaves, and can be planted 2 feet apart each way, always sure to make fine large heads earlier than any other variety, and is the *gardener's favorite*. Pkt., 50 cts.; oz., \$10.00.

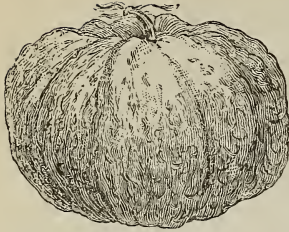


DREER'S EARLIEST SNOW-STORM CAULIFLOWER.



DREER'S SELECTED DWARF ERFURT CAULIFLOWER.

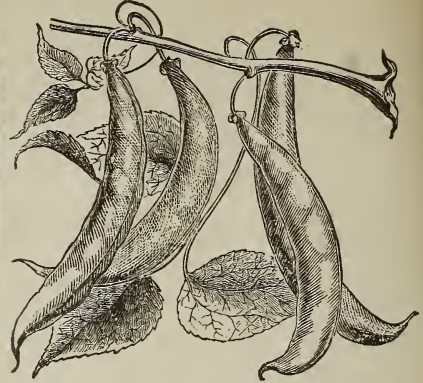
**CAULIFLOWER, Dreer's Selected Dwarf Erfurt.** One of the earliest in cultivation, small leaved dwarf variety for forcing, producing very solid pure-white heads of the finest quality; about 15 inches high; its dwarf habit and short outer leaves allow it to be planted 20 inches apart each way. Pkt., 25 cts.; oz., \$5.00.



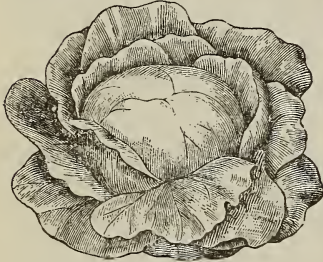
PRESOTT MUSKMELON.



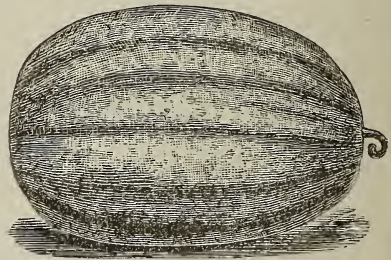
DANVERS CARROT.



IVORY POD WAX BEAN.



DREER'S EARLY DRUMHEAD CABBAGE.



CUBAN QUEEN WATERMELON.



BLACK-SEEDED SIMPSON LETTUCE.



DWARF GOLDEN HEART CELERY.



LITTLE GEM SWEET CORN.



MARQUIS OF LORNE CUCUMBER.

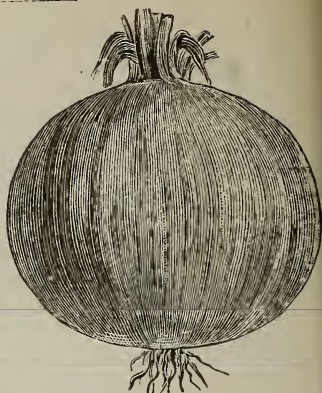
- CARROT, Early Half-Long Carentan.** A new scarlet variety, without core, for forcing or open ground culture. Per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.
- CARROT, Danvers Half-Long Scarlet.** A new intermediate variety; midway between the *Long Orange* and *Early Scarlet Horn*, generally growing with a stump root; of a rich orange-red color, very smooth and handsome, producing very large crops. (See illustration, page ii.) Pkt., 5 cts.; oz., 15 cts.; lb., \$1.25.
- CELERY, Dreer's Large White Solid.** Our favorite market variety, large, solid, blanches perfectly white, of fine flavor, crisp, and very tender. Pkt., 10 cts.; oz., 40 cts.; lb., \$4.00.
- CELERY, Boston Market Dwarf.** This is the famous short, bushy, white, solid variety, of excellent flavor and good quality, which is constantly increasing in favor with the *market gardener* and *amateur*. Pkt., 10 cts.; oz., 60 cts.; lb., \$6.00.
- CELERY, Dwarf Golden Heart.** A new, distinct variety of great value. In size of growth it is the same as the *Half Dwarf White* kinds, except when blanched, the heart is large and of a waxy golden-yellow, making it attractive for market or private use. It is solid, of most excellent flavor, and keeps well during the winter. (See illustration, page ii.) Pkt., 15 cts.; oz., 60 cts.; lb., \$6.00.
- CORN, Stabler's Extra Early Sweet.** A new hybrid between *Crosby's* and *Mammoth*, very productive, of larger size than any of the *Extra Early Varieties* before introduced. It is remarkable for its delicious sweetness and earliness, being about two weeks earlier than *Roslyn Hybrid Sweet*; very desirable for *amateurs* and *market gardeners*, as well as for canning purposes early in the season. Pkt., 10 cts.; qt., 40 cts.; bush., \$6.00.
- CORN, Extra Early Tom Thumb Sweet.** One of the sweetest and tenderest of the dwarf varieties, growing about 3 feet high, and producing a profusion of good sized ears, and its extreme earliness will make it valuable for *market gardeners*. Corn planted the 25th of April was ready for the table on June 27th. Ear, 5 cts.; pkt., 10 cts.; qt., 25 cts.; bush., \$5.00.
- CORN, Roslyn Hybrid Sweet.** A new medium-late variety, which will yield more of a crop than *Evergreen*, or *Mammoth Sugar*, from which it was hybridized, producing a large ear with very small cob and foot-stalk, straight rows of deep grains, very sweet and delicious; one of the best for canning, *market gardeners*, and family use. Ear, 10 cts.; pkt., 10 cts.; qt., 25 cts.; bush., \$5.00.
- CORN, Little Gem Sweet.** A small distinct first-class new late variety, resembling the *Evergreen* and maturing at the same time, very sweet and luscious, remaining in the green state a long time, and produces nearly all corn and comparatively no cob, with 3 to 5 ears per stalk, and none having less than 2 ears; 14 bushels of ears shelled 11 bushels of corn. Plant from May 1st to July 1st in hills  $3\frac{1}{2}$  feet apart each way; it grows about 6 feet high. (See illustration, page ii.) Ear, 10 cts.; pkt., 15 cts.; qt., 50 cts.; bush., \$8.00.
- CORN, Cloud's Early Yellow Dent.** This new dwarf field variety has been carefully selected, and is claimed to possess the following good qualities: it comes early; strong, and vigorous, growing from 6 to 8 feet high, producing large, handsome ears with unusually deep grains, of which 56 ears will make a bushel of shelled corn; yielding 5 to 10 bushels more than corn generally planted in Chester County, and will yield as well on thin land as any other variety; wherever exhibited it has carried off the first prize. Per doz. ears, 75 cts.; shelled per qt., 25 cts.; bush., \$3.50.
- CUCUMBER, Marquis of Lorne.** A new *English Prize*, fine frame forcing variety, of great value for exhibition purposes. It has a white spine, short neck, smooth skin, very straight and prolific, attaining a length of 2 feet,  $4\frac{1}{2}$  inches in diameter, and weight about 6 pounds. It has gained many valuable awards. For other varieties, see page 19 in general list. (See illustration, page ii.) Pkt., 50 cts.
- LETTUCE, Black-Seeded Simpson.** A new variety of the *Curled Simpson Lettuce*, producing a compact mass of leaves of a lighter color and nearly double the size, standing well the summer heat, and on that account is recommended for a summer Salad. (See illustration, page ii.) Pkt., 10 cts.; oz., 30 cts.; lb., \$3.00.
- MELON (Musk), Prescott, or Hardy Ridge.** A new French variety of great merit; large, white-skinned fruit, round, somewhat flattened on both ends, deeply lobed, flesh very thick, of a rich orange color, sweet and delicious flavor. (See illustration, page ii.) Pkt., 10 cts.; oz., 30 cts.; lb., \$3.00.
- MELON (Musk), Casaba, Persian, or Bay View.** Of extraordinary size, delicious flavor; weight from 10 to 15 pounds; the best, prolific, late, oval, netted green-fleshed variety. Pkt., 5 cts.; oz., 15 cts.; lb., \$1.25.
- MELON (Water), Cuban Queen.** The largest, most symmetrical, and solid variety in existence, rind very thin and strong, ripens to the very centre, skin striped with dark and light green. Vines strong, healthy, and of vigorous growth, very heavy cropper, flesh bright red, crisp, tender and melting, luscious, and very sugary. It is an excellent keeper and bears transit well. (See illustration, page ii.) Pkt., 10 cts.; oz., 30 cts.; lb., \$3.00.
- MELON (Water), Icing, or Ice-Rind.** One of the best and most luscious Melons in every respect; solid, always of good flavor, and thin light green rind, white-seeded. Pkt., 5 cts.; oz., 15 cts.; lb., \$1.25.
- OKRA, New Improved Dwarf.** This new early variety has long slender pods, very productive and only grows 14 inches high. (See illustration, page iv.) Pkt., 5 cts.; oz., 20 cts.; lb., \$2.00.
- ONION, Golden Queen.** Resembling the *White Queen*, but more symmetrical, possessing all its good characteristics, of rapid growth, good-keeping qualities, unusually delicate flavor, and of a golden-straw color, from 1 to  $1\frac{1}{2}$  inches in diameter. Pkt., 15 cts.; oz., 80 cts.; lb., \$8.00.
- ONION, Southport Yellow Globe.** A new, very large, handsome globular-shaped straw-colored variety, very productive, of mild flavor, excellent keeper, and one of the very best sorts. (See illustration, page iv.) Pkt., 10 cts.; oz., 35 cts.; lb., \$3.50.
- ONION, Southport White Globe.** The same as the above, except in color. Pkt., 10 cts.; oz., 40 cts.; lb., \$4.00.
- PEA, Dreer's Eureka Extra Early.** A new selection from Dreer's Extra Early, which is the earliest and most prolific, and of a dwarfer habit, growing about 20 inches high, free from runners, an even and abundant cropper, can be gathered in two pickings, very important qualities for the *market gardener*; also for a late fall crop it has few equals. Pkt., 10 cts.; qt., 40 cts.; bush., \$8.00.
- PEA, Telephone.** This new variety is one of the finest branching tall wrinkled marrows yet introduced. It is immensely productive, of the finest quality, and excellent sugary flavor; vines very strong, averaging 18 to 20 pods per stalk; the pods are of a large size and closely packed with 6 to 7 large delicious peas; height, 4 feet. (See illustration, page iv.) Pkt., 20 cts.; qt., \$1.00; bush., \$24.00.
- PEA, Stratagem.** This remarkable new late green wrinkled marrow variety has strong vines, needing but a slight support. The vine branches just under the surface of the soil, growing  $2\frac{1}{2}$  feet high, producing about 20 large pods, full of the largest sized peas to the vine, of excellent quality, and considered one of the most prolific. Pkt., 25 cts.; qt., 80 cts.; lb., \$1.50.



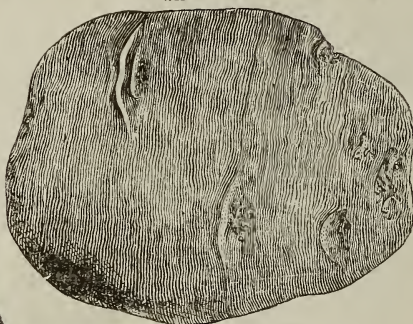
NEW IMPROVED DWARF OKRA—and only grows 14 inches high.



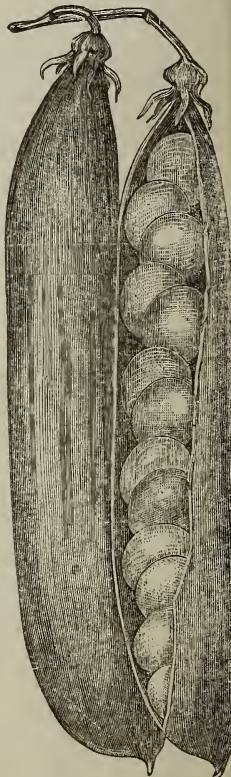
WHITE STAR POTATO.



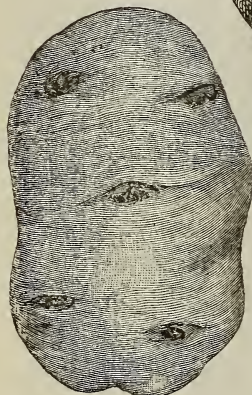
SOUTHPORT YELLOW GLOBE ONION.



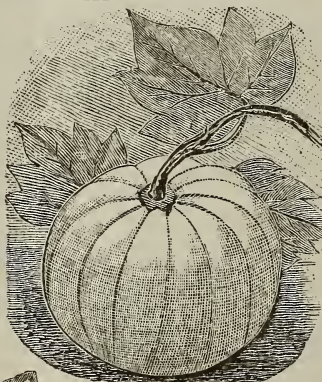
BELLE POTATO.



TELEPHONE PEA.



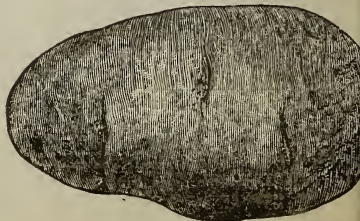
QUEEN OF THE VALLEY POTATO.



PERFECT GEM SQUASH.



LONG STANDING ROUND-SEEDED SPINACH.



WATSON'S SEEDLING POTATO.





ELISS' AMERICAN WONDER PEA.

**PEA, Bliss' American Wonder.** This is the earliest new wrinkled variety in cultivation; in productiveness, flavor, and quality it is unsurpassed. It is of dwarf and robust habit, growing from 10 to 12 inches high. Peas planted in June matured in 33 days. The seed we offer is true, having been grown from the original stock. Per pkt., 15 cts.; per qt., 60 cts.; per bush., \$16.00.

**PEPPER, Golden Dawn.** This new yellow mango is in size and shape the same as the *Large Sweet Bell*; it is very productive, in color of a bright golden yellow, excellent quality, being distinguished from all others on account of its mild flavor and beautiful appearance. Pkt., 15 cts.

**POTATO, Wall's Orange.** This handsome new late variety originated with one of the most careful and successful potato-growers. It is of an orange color, and for quality and productiveness it has no equal; a strong grower, vines completely covering the ground, and as nearly bug-proof as possible; also withstands the drought. One lb., \$1.00; and three lbs., \$2.50, by mail, prepaid. Half peck, \$3.00; peck, \$5.00, at purchaser's expense.

**POTATO, Belle.** This new medium early variety is of extra large size, beautiful form, eyes slightly depressed, never hollow or prongy, skin light red, slightly netted with russet; grows a strong, heavy, upright, branching stock; with dark green foliage. Unsurpassed in cooking qualities. (See illustration, page iv.) Three lbs., \$1.25, by mail, prepaid; pk., \$1.00; bush., \$2.50; bbl., \$6.00.

**POTATO, Jordan Prolific.** This new medium early variety is hardy and of vigorous growth, productive, smooth, oblong in shape, skin and flesh white, even in size, nearly all marketable potatoes, with few and shallow eyes; keeps late in the spring without sprouting, of excellent quality when cooked. Three lbs., \$1.25, by mail, prepaid; pk., \$1.50; bush., \$4.00; bbl., \$8.00.

**POTATO, Jumbo.** This new medium late, enormously productive variety, is one of the most valuable sorts for a main crop yet introduced, yielding more than *Peerless* or *Manmoth Pearl*, and of better eating qualities. The tubers set early, produce a large number of marketable size, with very small eyes, free from rot and one of the best keepers. The vines are heavy, close-jointed and afford protection from the sun, thus acting as a mulch in retaining moisture. Tubers nearly round, a little flattened, skin and flesh white, of excellent flavor, boiled or baked are dry and mealy. Three lbs., \$1.25, by mail, prepaid; pk., \$1.50; bush., \$4; bbl., \$9.

**POTATO, Watson's Seedling.** This new variety is as early as the *Early Rose*, more productive and a better keeper; vines strong, healthy, foliage dark green, oblong tubers, large and uniform in size, eyes shallow, dry and mealy when cooked, and of the very best eating quality. (See illustration, page iv.) Three lbs., \$1.25, by mail, prepaid; pk., \$1.00; bush., \$2.50; bbl., \$6.00.

**POTATO, Queen of the Valley.** A medium early new variety, and one of the most productive in cultivation; very large tubers, long, flattened, somewhat square at the ends, color deep pink at the seed end, changing to almost white at the stem end; cooks mealy, without falling to pieces. Vines large, vigorous, protecting the ground from the sun's rays, and resisting disease better than most other kinds. (See illustration, page iv.) Three lbs., \$1.25, by mail, prepaid; pk., \$1.00; bush., \$2.50; bbl., \$6.00.

**POTATO, White Star.** A new medium early variety of the very best quality and fine appearance. Baked or boiled, its color, floury texture and delicious flavor are unsurpassed. Large, oblong, uniform-sized tubers, remarkably productive, and has effectually resisted the blight; of excellent keeping qualities. Vines strong, foliage dense, of dark green color and well calculated to resist the ravages of the *Colorado beetle*. (See illustration, page iv.) Three lbs., \$1.25, by mail, prepaid; pk., \$1.25; bush., \$3.00; bbl., \$7.00.

At the above prices, *express and freight* charges are to be paid by the purchaser, except where mentioned by mail. For general list of Potatoes, see pages 29 and 30.

**SPINACH, Dreer's Round-Seeded Savoy.** The hardest large, Savoy-leaved, most curled and crimped variety, with thick, fleshy leaves, the best and most profitable for family and market purposes, equally good for spring or fall sowing. Pkt., 5 cts.; oz., 10 cts.; lb., 40 cts.

**SPINACH, Long Standing Round-Seeded.** A new large Savoy, crimped thick fleshy leaved variety; will stand two weeks longer than any other sort before shooting to seed; the very best for spring sowing, on account of seeding so late. (See illustration, page iv.) Pkt., 10 cts.; oz., 15 cts.; lb., \$1.00.

**SQUASH, Perfect Gem.** This new Squash possesses the excellent qualities of both the summer and winter varieties combined, and can be used for either purpose. It is of a creamy-white color, thin skin, fine grained, sweet and rich flavor; a free grower, very productive, and good keeper. (See illustration, page iv.) Pkt., 10 cts.; oz., 25 cts.; lb., \$2.50.

**TOMATO, Mayflower.** This new variety is one of the earliest of the large kinds in cultivation, at least one-third larger than the *Early Acme*; of a bright red color, ripens evenly up to the stem, and presents a beautiful appearance, shape globular, slightly flattened, perfectly smooth, flesh solid and unusually free from seeds, of rich flavor, very productive until killed by frost. Per pkt., 15 cts.; per oz., 60 cts.; per lb., \$6.00.



LIVINGSTON'S FAVORITE TOMATO.



MAYFLOWER TOMATO.

**TOMATO, Livingston's Favorite.** This new variety of Livingston's production is so named on account of its containing so many good qualities sought after by *market gardeners*. It is the largest perfect-shaped Tomato in cultivation, smoother than *Paragon*, does not crack or rot like *Acme*, is of a darker red than *Perfection*; ripens evenly and is as early as any good variety, holding its size to the end of the season; very prolific, good flavor, few seeds, flesh solid, bears shipping a long distance. Pkt., 25 cts.; 5 pkts., \$1.00.

**TURNIP, Extra Early Purple Top Munich.** This new distinct variety is at least two weeks earlier than any other in cultivation. It is of a handsome appearance, somewhat flattened, white with purplish top, flesh snow-white, fine grained, and most delicate flavor. (The true variety.) Pkt., 10 cts.; oz., 20 cts.; lb., \$2.00.

## NEW LIST OF FLOWER SEEDS FOR 1883.

These are not all novelties, but some of recent introduction, and others of especial merit, as well as those which were omitted under their respective heads.

The novelties we offer are given with the descriptions of the introducer or grower, who are the most responsible in the trade.

**ACROCLINIUM, Roseum Flore Pleno.** This pretty novelty of the double rose-colored *Acroclinium* is the best *Immortelle* yet introduced, for the garden or making of winter bouquets. The flowers are larger than the single variety, plant taller and more branching; half-hardy annual; height, 15 inches. (See illustration, page vii.) Price per packet, 25 cts.

**AMMOBIUM, Alatum Grandiflora.** The flowers of this new useful *Immortelle* are pure white and double the size of those of the old variety; which are so much used for winter bouquets; hardy annual; 2 feet. Pkt., 15 cts.

**ASTER, Dwarf Pæony Perfection, Brilliant Dark Scarlet.** This novel new race of dwarf Asters will rank foremost for late summer and autumn decoration in the garden or for pot-culture. The brilliant dark scarlet is a very striking color, and cannot fail to be greatly admired; hardy annual; 1 foot. Pkt., 25 cts.

**ASTER, Dwarf Pæony Perfection, Crimson and White.** This novelty is the same as the above, except the flowers are of a beautiful crimson and white color. Pkt., 25 cts.

**ASTER, Perennial Varieties, Mixed.** A hardy herbaceous plant; seed saved from a splendid collection of beautiful new single varieties; if sown early in the spring, they will flower the first season; 2 feet. Pkt., 10 cts.

**BALSAM, White Perfection.** This beautiful large, double snow-white variety has the most thoroughly double and immense solid round flowers that we have ever seen. Pkt., 20 cts.

**BEGONIA, Robusta Perfecta.** A splendid new hybrid tuberous-rooted green-house or bedding variety, particularly remarkable for its robust and compact habit, succulent dark green foliage and brilliant cinnabar-scarlet flowers; for other varieties and culture, see page 76. Pkt., 25 cts.

**CHRYSANTHEMUM, Frutescens Grandiflorum (Paris Daisy, or Marguerite).** A new perennial green-house species, extensively used in the parks and gardens of Paris, also becoming a fashionable summer flower in this country. It is literally covered all summer with a profusion of single white star-like flowers with a yellow disc; also for winter-blooming in the house; 2 feet. (See illustration, page vii.) Pkt., 15 cts.

**CHRYSANTHEMUM, Frutescens, Etoile d'or.** Same as the above, except large yellow flowers. Pkt., 20 cts.

**CINERARIA HYBRIDA GRANDIFLORA, Tall, Mixed.** This new large-flowering strain is unsurpassed, for beautiful colors and size of its flowers, selected from all prize varieties, in splendid mixture; perennial, but does best treated as tender annuals; 2 feet. Pkt., 50 cts.

**CINERARIA HYBRIDA GRANDIFLORA, Dwarf, Mixed.** Same as the above, except being of dwarf varieties; 1 foot. Pkt., 50 cts.

**CINERARIA HYBRIDA, Double, Mixed.** This is one of our finest plants, and quite an acquisition to our list of florists' flowers, which for cutting can hardly be surpassed. All the rich and beautiful colors of the single exist in this new double variety; 2 feet. (See illustration, page vii.) Pkt., 50 cts.

**COLEUS, Dreer's Hybrids.** Our new strain of hybrid varieties produces the finest colored, most attractive and novel foliage plants, for house or garden culture; half-hardy perennial; from 1 to 2 feet. Pkt., 25 cts.



DOUBLE CINERARIA, OR CAPE ASTER.



DOUBLE ACROCLINIUM ROSEUM.



FIMBRIATA CRISTATA NANA PRIMULA.



FIMBRIATA ALBA MAGNIFICA PRIMULA.



FRUTESCENS CHRYSANTHEMUM.



DWARF COMPACT MULTIFLORA HYBRID PETUNIA.

- CONVOLVULUS MINOR, Tricolor Roseus.** A very charming novelty with rose-colored flowers, pure white centre, fringed with purplish violet, and shading towards the throat in five broad bands of golden yellow; hardy annual; height, 1 foot. Per pkt., 25 cts.
- DAHLIA, Large Flowering, Single Varieties, Mixed.** Our æsthetic people are ever busy seeking after attractive large showy single flowers. Seed saved from a splendid collection of single varieties; tender perennial; blooming the first season from seed, of easy culture; 5 feet. Pkt., 20 cts.
- DELPHINIUM, Ranunculiflora Nana Alba.** A charming new variety, forming a column-shaped compact bouquet, with spikes of flowers, white, tinged with lilac, which is very delicate and more pleasing than the Brown Violet sort, only two of this distinct and useful race of plants; hardy annual; 15 inches. Pkt., 25 cts.



GAILLARDIA PICTA LORENZIANA.

- GALLIARDIA, Picta Lorenziana.** This is a new charming profuse-flowering "so-called" double variety, although in the botanical sense of the word it is not double, but entirely distinct from the single-flowering. We offer this variety in mixture, which has been carefully selected from six different shades of color; fine for massing, and useful as a bouquet flower, continuing in bloom until frost; hardy annual; 1½ feet. Pkt., 25 cts.
- HELIANTHUS, Oscar Wilde (Newport Corsage Sunflower).** This new distinct variety is of a dwarf pyramidal form, with small single flowers, of a deep golden yellow and jet black centre, produced in the greatest abundance from June until killed by frost. Its small, compact growth and attractive flowers make it a desirable bedding plant for massing or as a single specimen; hardy annual; 4 feet. Pkt., 10 cts.
- MARVEL OF PERU, Dwarf White Tom Thumb.** This novelty, when fully developed, does not exceed 10 inches in height, forming a charming little bush, completely studded with snow-white flowers, contrasting finely with its yellowish foliage; fine for beds or margins; tender perennials, treated the same as annuals. Pkt., 25 cts.
- MIGNONETTE, Golden Queen.** A new attractive variety, forming a dense pyramidal plant, and throws up numerous flower-stalks, terminated with spikes of golden-yellow blossoms; hardy annual; 15 inches. Pkt., 20 cts.
- MIGNONETTE, Jeffries' Snow-White.** This novelty is entirely distinct from any other, with pure white spikes of flowers, freely produced around a central stem of great length. For growing in pots and beds, or for bouquets, it will be found invaluable, as a sweet-scented pure white flower; hardy annual. Pkt., 25 cts.
- PANSY, Lord Beaconsfield.** A splendid novelty, producing handsome large flowers of a deep purplish-violet, which shades off, in the top petals, to a whitish hue, imparting a bright and cheerful appearance to the whole plant; hardy perennial; 6 inches. For other varieties, see page 61. Pkt., 25 cts.
- PAPAVER, Danebrog.** A very desirable and showy novelty, producing large single flowers of a brilliant scarlet, with a large silvery white spot on each of the four petals, thus forming a white cross on a scarlet ground. This new Single Poppy will form a striking and beautiful contrast with *Papaver Umbrosum*, which has scarlet flowers, marked with a black spot on each petal (see page 63); hardy annual; 2 feet. Pkt., 25 cts.
- PETUNIA, Hybrida Nana Compacta Multiflora.** This new *really dwarf* variety and profuse bloomer, grows 5 to 8 inches high, by the same in diameter. Of a cherry-red color, with a regularly formed white star; effective for massing and pot-culture. Half-hardy perennial, blooming from seed the first season; treated like hardy annuals. (See illustration, page vii.) Pkt., 20 cts.
- PETUNIA, Hybrida Brillantrosa.** A distinct new variety, producing handsome brilliant rosy carmine flowers, with a light-colored throat; 1 foot. Pkt., 10 cts.
- PRIMULA SINENSIS, Fimbriata Alba Magnifica.** This new, compact variety has deeply indented light green foliage; producing freely large trusses of pure white flowers with a citron eye, measuring 2½ inches across; they are of great substance, each petal being deeply and beautifully fringed. Primulas are treated as green-house annuals. (See illustration, page vii.) Pkt., \$1.00.
- PRIMULA, Fimbriata Cristata Nana Alba.** A new, interesting and entirely distinct variety, of dense dwarf habit and frilled or crimped edged foliage, similar to *Malva Crispa*. Its charming snow-white flowers, with a pale yellow eye, are dented, and show a tendency to become double. (See illustration, page vii.) Pkt., 50 cts.
- PRIMULA, Fimbriata Cristata Nana Rubra.** This new variety is the same as the above, except the flowers are of a beautiful bright red color. Pkt., 50 cts.
- SALVIA, Carduacea.** A very promising ornamental novelty from California, having no resemblance to any other variety of Sage. The plant forms a many-branched bush, 2½ feet high, with white woolly Thistle-like leaves, producing its large, light-blue fimbriated lower lipped flowers in whorls, 4 to 6 on a stem, contrasting with the wide projecting vermilion anthers. Thrives best in a dry, sunny situation, and if sown early begins to bloom in May; tender perennial. Pkt., 25 cts.
- SCHIZANTHUS, Papilionaceus (Butterfly Flower).** A charming new variety of this beautiful flower, resembling some species of *Orchids*. The flowers are purple, spotted with yellow, orange, crimson and a black eye; half-hardy annual; 2 feet. Pkt., 10 cts.
- TAGETES, Pumila Golden Ring.** This beautiful new selection from *Signata* is of an attractive rich orange color; shorter and more compact than its progenitor, very free-flowering and a really good golden-orange-colored bedding plant; tender annual; 10 inches. Pkt., 25 cts.

# New and Rare Plants for 1883.

Varieties offered for the first time in this country; Omissions from General List, and Rare Plants of great value.

Many of these plants have bloomed in our houses during the autumn, the other descriptions have been furnished by the originators. We have included in the general list many varieties that are classed by some dealers as "Novelties," in order to draw a distinction; these sorts should not be overlooked, as they contain the gems that are well tried and not found wanting.

## NEW ABUTILONS

**Coronne D'Or.** A splendid variety with large downy leaves, producing abundantly large bell-shaped flowers, of a beautiful deep sulphur-yellow color; a desirable variety for winter bloom. 50 cents.

**Crusader.** Rich cinnabar-scarlet large bell-shaped flowers, very freely produced. 50 cents.

**Firefly.** Dwarf compact habit, bright salmon-scarlet flowers; a splendid variety for winter bloom. 50 cents.

**Royal Scarlet.** A fine novelty of dwarf branching habit, extremely floriferous. The flowers are of a waxy texture and appearance, and a brilliant fiery scarlet color. Both as regards its habit and splendid coloring this will prove a valuable acquisition. 50 cents.

## ANTIGONON LEPTOTUS.

A splendid new climbing plant from Central Mexico, producing dark rose-colored flowers in racemes two feet long. The profusion of its bloom is such as to give the resemblance of roses at a distance, hence one of its Mexican names is "Rosa de Montana," or Mountain Rose. Described by its discoverer as the most beautiful climber he had ever beheld. This plant is moderately hardy, with protection. The vines are killed to the ground by frost, but as this plant has tuberous roots it quickly shoots up in the spring and develops its flower from June till frost. 50 cents.

## ALOCASIA.

**Lowii.** Foliage large and showy, of a dark metallic green, light grayish-white veins; an attractive and beautiful variety. \$2.00.

**Sedeni.** Foliage very distinct and striking, of a beautiful metallic hue, with distinct white veins. \$1.50.



ANTIGONON LEPTOTUS.

## ARALIA VEITCHI.

This is undoubtedly the most elegant species of this genus introduced to cultivation; it is admirably adapted for dinner-table decoration, as well as exhibition purposes; the leaves are digitate, leaflets narrow, dark shining green on the upper side, deep red below. \$1.50.

## ASPARAGUS PLUMOSUS NANUS.



ASPARAGUS PLUMOSUS NANUS.

The stems of this extremely elegant plant are tufted, slender and gracefully arching. From the upper portion, the branches, which are finer than the fronds of the most delicate Fern, spread in all directions. The whole plant is of a bright cheerful green. It is one of the most distinct and effective decorative plants for the Stove or Warm Conservatory. As a plant for contrast it is unrivalled, and for bouquets its cut sprays have the advantage of much greater persistency than any Fern, retaining their freshness in water for three or four weeks. This plant was awarded a first-class certificate from the Royal Horticultural Society of London. \$3.00 to \$5.00.

## ASTILBA AUREA RETICULATA.

This differs from and is much superior to the ordinary variety, in having thick compact heads of bloom of great substance produced in the greatest abundance, leaves beautifully reticulated with golden-yellow. 75 cents.

## NEW BOUVARDIAS.

- Dazzler.** A splendid variety of bushy compact habit, vigorous growth and extremely floriferous, producing fine clusters of attractive moderately large rich scarlet flowers. 30 cents.
- Double White.** The flowers are composed of three perfect rows of petals of the purest waxy white color, each floret resembling a miniature *Tuberosa*; a very valuable and attractive acquisition. 30 to 50 cents.
- President Garfield.** The flowers of this variety are the same in formation as the double white variety, while the color is of a light pink. 50 cents.

## BEGONIA DISCOLOR REX.

These new *Begonias* have been obtained from *Begonia Discolor* and the Ornamental Leaved Varieties; they participate of the two essential qualities of the parent plants, the vigorous growth, elegant shape and flowers of the one, and beautiful foliage of the other; they thrive splendidly in the open ground, or in pots, in a shaded situation, constitute splendid groups in the garden and are at the same time a real ornament when cultivated in pots, in the conservatory or green-house. 50 cents each, or the set of nine varieties, \$4.00.

**Alegatiere.**

**Comtesse Gab. de Clermont.**

**Edward Andre.**

**Le Schab.**

**Lucienne Bruant.**

**Nivosa.**

**Mad. Svahn.**

**Palais Rameau.**

**W. E. Gumbleton.**

## NEW ORNAMENTAL-LEAVED BEGONIA.

**Louise Chretien.** A splendid variety, with green foliage tinted violet-crimson, the whole suffused with metallic lustre; a grand attractive variety. 50 cents.

## NEW SCARLET CARNATION—METEOR.

Rich, clear scarlet, large and double, a strong and vigorous grower. Another season's trial proves this to be the best scarlet *Carnation* yet introduced, and cannot be too highly recommended to the florist for foreign. 25 cents each; \$2.50 per doz.

## CANNA EHEMANNI.

The most distinct of all *Cannas* on account of the large oval *Musa-Ense*-like soft green leaves, which place it foremost among decorative foliage plants. Its most striking feature is the carmine-red flowers produced on flower stems of great length that unfold about twelve flowers to each of the smaller branches. These flowers are as large as a *Gladiolus*, and are used to advantage in bouquet-making, or producing splendid effects on the lawn. 75 cents.



CANNA EHEMANNI.

## NEW FANCY-LEAVED CALADIUMS.

These have been selected from a large European collection, and are the most distinct and beautiful of the later introductions.

**Augusta Lemoinier.** Fine large leaves with soft green centre and rosy crimson rib and veins. 75 cents.

**Comtesse du Berthier.** Deep green, with large white blotches and bright crimson veins. 75 cts.

**Fulgidum.** Large oval leaves, centre salmony rose, with rich metallic hue, bright veins, and broad green margin. 50 cents.

**La Perle du Bresil.** Ground color green, reticulated all over with pure white, like fine lace; a beautiful variety. 50 cents.

**Leopold II.** Rich crimson-rayed centre, with deep green border. 75 cents.

**Louis Poirier.** Crimson leaf ground, green margin and white spots; a finely marked variety. 75 c.

**Louise Duplessis.** Red, rays and veins on a white ground, green margin. 75 cents.

**Maculata.** Rich green, irregularly blotched with greenish white; very distinct. 50 cents.

**Mad. Heine.** Silvery white, stained and edged with light green. 50 cents.

**Mons. Panhard.** 50 cents.

**Mons. J. Linden.** Ground color green, spotted with ivory white, crimson rib and veins; very distinct. 75 cts.

**Sanchoiatum.** Crimson centre, deep glossy crimson ribs, and pea-green margin. 75 cents.

**Souv. de Mad. Andre.** Ground color bright green, mottled and spotted with white; the veins are of a brilliant rose color, bordered on each side with creamy white. 50 cents.

**Walter Scott.** 75 cents.

## CHRYSANTHEMUMS (MARGUERITES), OR PARIS DAISIES.

**Etoile D'Or.** Soft delicate yellow, flowering in great profusion. 30 cents.

**Frutescens.** Ray flowers white; with yellow eye, blue glaucous foliage. 30 cents.

**Tricolor.** Large tricolored flowers, white, pink and yellow. 30 cents.

## NEW CHRYSANTHEMUM—LARGE FLOWERING.

- Lord Beaconsfield.** A globular flower with broad, incurved petals, salmon-red shaded with amber-yellow, reverse of petals nankin-yellow; a remarkably distinct variety. 50 cents.
- Marquise of Lorne.** Reddish carmine, spotted and tipped with yellow, reverse nankin-yellow; a large globular flower. 50 cents.

## NEW CHRYSANTHEMUM—POMPONE.

- Anastasio.** Pink, shaded magenta; a pretty sub-globose flower. 50 cents.
- Brunette.** Amber-yellow, shaded with reddish brown; a compact well-formed flower. 50 cents.
- Inimitable.** Bright amber-yellow; fine and distinct. 50 cents.
- Virginia.** Pure white; a well-formed flower, the best of the early flowering whites. 50 cents.

The set of six varieties for \$2.00.

## NEW HARDY CLEMATIS.

These have been selected from one of the finest European collections, and are the best of the newer introductions.

- Alba Magna.** This is the finest of all the white varieties, remarkable broad petals and pure white flowers. \$1.50.
- Blue Gem.** The best cerulean blue. \$1.00.
- Comtesse Lovelace.** Bluish lilac, rosette shaped, forming a fine double flower. \$1.50.
- Gem.** Deep lavender blue. \$1.00.
- Gipsy Queen.** Bright deep velvety purple. \$1.50.
- Mrs. Geo. Jackman.** Satiny white, with creamy bar. \$1.00.
- Mrs. James Bateman.** Pale lavender. \$1.00.
- Purpurea Elegans.** Deep purple violet; fine, \$1.00.
- Stella.** Light violet, with distinct plum-colored bar. \$1.00.
- Vesta.** White, creamy tinge on centre-bar. \$1.00.
- Velutina Purpurea.** Blackish mulberry. \$1.50.

The set of eleven varieties for \$10.00.

## CLEMATIS COCCINEA—THE SCARLET CLEMATIS.

This remarkably handsome climbing plant, after three years' trial, has proved to be one of the most desirable for any purpose where climbing plants are required. The plant is a herbaceous perennial, the stems dying to the surface each winter (this is an advantage where an unobstructed view is required in winter); the vines attain the height of from 8 to 10 or 12 feet, beginning to flower in June and continuing until frost; single vines have from 20 to 30 flowers on each, and frequently as many as ten vines will start from one crown each season.

As will be seen by the cut the flowers are bell-shaped; in color a rich deep coral-scarlet, shining as if polished, and lasting a long time when cut. Indeed, one of the most beautiful plants for festooning is to be found in *Clematis coccinea*, with its peculiar shaded green and elegantly cut and varied foliage—if it never flowered it would be a handsome climbing vine.

The plant, during our observation, has no insect pests or enemies: it grows freely in any soil, requiring only one or two hours sunshine to strengthen the vine sufficiently to make a successful flowering season, and above all is perfectly hardy, standing exposure in our severest winters without harm. 50 cents. 3 for \$1.00.

## NEW CROTONS.

- Andreanus.** A variety of neat habit and free robust growth, bold, handsomely colored foliage. \$1.00.
- Aneitumensis.** A beautiful Croton; the midribs and margins of the leaves are bright gamboge yellow; the blades are crossed with parallel bars of the same color on a light olive-green ground. \$2.00.
- Aureum Maculatum.** A small leaved variety of very neat and compact habit. The leaves are ovate oblong, not over three inches long and one and a-half inches broad, deep but bright green, profusely spotted with bright yellow. It is quite distinct, and will prove one of the most desirable of this class of plants. 50 cents.
- Baron James de Rothschild.** One of the finest of the large-leaved section, with yellow midrib, changing to a rich violet crimson; very effective and showy. \$1.00.
- Challenger.** One of the best and most distinct of the long-leaved varieties. The leaves are broadly lanceolate, spreading and slightly recurved. The variegation is very striking. The midribs are at first creamy white, which gradually become suffused with red, finally deepening to bright crimson carmine. The ground color of the blade is light green, but much blotched and streaked with yellow that takes a rosy tint as the midrib deepens in color. \$1.00 to \$2.00.
- Cronstadt.** A remarkable variety, in which the curious twistings and interruptions frequently manifested in this class of plants are developed in a very striking manner. The leaves are of medium size, lanceolate and



NEW CROTONS—*Continued.*

- tapering to a sharp point; in color a deep glossy green, variegated with bright golden yellow. They are twisted, curled and crisped in a great variety of forms. A most distinct and interesting decorative plant. \$3.
- Earl of Derby.** A remarkably fine tri-lobed variety, the stems, petioles, and midribs being of a very bright golden yellow, which diffuses itself over the greater part of the leaf; this, however, as the plant matures, becomes suffused with bright red. \$1.50 to \$2.50.
- Evansianus.** A handsome tri-lobed variety; the leaves when young are light olive-green, with the midrib and veins golden yellow; on attaining maturity, the green deepens and becomes a bronzy crimson, and the yellow marking rich orange-scarlet. \$1.00 to \$3.00.
- Hanburyanus.** This is a very distinct and handsome variety, with leaves 15 inches long by 2½ inches broad. The ground color is olive green, beautifully marked with golden yellow and rosy crimson. \$1.00 to \$2.00.
- Macarthuri.** A handsome and distinct variety, with bright green foliage, golden yellow midrib and blotches. \$1.
- Princess of Wales.** A very elegant variety, with long graceful foliage, sometimes plain and sometimes strongly undulated. The ground color is green, and the variegation creamy yellow, very variable in color. \$2.50.
- Queen Victoria.** It is of medium growth and free-branching habit, a most desirable feature in the formation of good specimens; the leaves when well matured are from nine to twelve inches long, and about two inches broad, oblong lanceolate; the ground color of the leaf is rich golden yellow, beautifully mottled with green; the midrib and primary veins are of a rich magenta color, changing with age to a vivid crimson. The margin of the leaves is unevenly banded with carmine, often extending as far as the midrib, and so harmonizing with the rich yellow as to produce a gorgeous effect. 50 cents to \$3.00.
- Recurvifolius.** A very fine and distinct broad-leaved variety, of dense habit and with recurved foliage, far superior to the well-known *C. Volutus*; the midribs and veins, which are crimson banded with yellow, are much sunk, giving the upper surface of the leaves a ridged and waved appearance. The variegation is well marked and the contrast of the different tints to the deep olive-green ground color is very pleasing. \$1.00 to \$3.00.
- Sinitzianus.** An elegant variety of very light and pleasing aspect. The leaves are narrowly lanceolate, gracefully arching and variable, some with interruptions, others with the blade spirally twisted two or three times around the midrib at the middle, others, again, crisped and undulated. In color they are deep olive-green variegated with straw-yellow, which is constant. It is one of the most elegant and desirable Crotons for table decoration. \$3.00.
- Williamsi.** This is one of the best of the large-leaved Crotons, of free growth, with bold foliage, handsomely marked and richly colored. It is one of the red-tinted series very strongly flushed with crimson. The leaf has a central band and costa of yellow, from which the primate veins of the same color branch out on either side, more or less forking and coalescing near the edge. These veins all change to a deep crimson, and the whole plant becomes flushed with a glowing tint of crimson, shaded with violet, which renders it very conspicuous, well adapted for decoration, and a strikingly effective plant for exhibition purposes. \$1.00 to \$3.00.

## COLEUS—PROGRESS.

This most distinct and richly colored variety is, without doubt, the finest novelty in this class of plants sent out for several years. The color is an admirable mixture of golden yellow, rose, carmine and green, the leaves are cordate and finely serrated. Can be highly recommended, and should be in every collection. 50 cents.

## CORYNOSTYLIS HYBANTHUS ALBIFLORA.

The genus *Corynostylis* belongs to the family of the Violets. The present species was found on the banks of the Amazon. It is of a trailing or climbing habit, producing white trumpet-shaped flowers about two inches long, suspended on long thread-like stems; these interesting flowers, taken in profile, present the appearance of some long-spurred *Tropæolum*, while on the front view they bear a resemblance to those of a gigantic Violet. 50 cts.

## CURCULIGO RECURVATA VARIEGATA.

A plant of noble aspect, producing from a tuberous rhizome an arching head of recurved plaited oblong-lanceolate leaves, upwards of two feet long and six inches broad, on stalks a foot and a half in length; the leaves are green, banded in a varying manner with clear white stripes. The rich Palm-like foliage of this plant renders it of the highest ornamental character, and should be in every collection. \$5.00 each.

## CYPERUS LEPTOCLODUS.

A desirable variety of *Pandanus*-like growth, with long green leaves suitable for centres of baskets or vases. 30 cents.

## CENTROPOGON LUCYANUS.

A fine winter-blooming plant with bright scarlet flowers; very free flowering. 75 cents.

## NEW DOUBLE GERANIUMS.

With few exceptions, the Geraniums offered this season have flowered on our grounds the past summer and autumn, and can be highly recommended.

**Attraction.** Light lilac-pink; a showy variety. 50 cents.

**Chas. Darwin.** Flowers of fine form and size, color very deep magenta purple; the finest of this color, 50 cts.

**Henry Cannell.** Large pips, full and double, of a deep violet purple. 50 cents.

**La Titien.** Very large umbel of lively salmon-red flowers, edged with rosy-white. 50 cents.

**M. Martha.** Light violet shaded with amaranth. 50 cents.

**M. Florentin.** Dwarf compact growth, of a striking red color with velvety scarlet centre. 50 cents.

**Mad. Blanche de la Rue.** Immense trusses of large, pure white flowers; this is by far the finest double white

Geranium yet sent out. 75 cents.

**Mad. Leon Dalloy.** Strong umbels of large flowers, silvery lilac, shaded with white; very distinct. 50 cents.

**Ministre Constance.** Deep mottled salmon, flowers and trusses very large. 50 cents.



## NEW DOUBLE GERANIUMS—Continued.

- Mrs. W. E. Gladstone.** Immense truss, individual pips very large, of a bright orange-red color. 50 cents.  
**Princess Stephanie.** The dwarfest and most floriferous variety, growing but 6 inches in height; flowers large, semi-double, very fresh lively rose lighted with white, of great effect, leaves rounded and finely denticulate: A very distinct variety, and probably the first of a new type. \$1.  
**Paul Chabonnier.** Orange-scarlet, shaded with lively minimum red. 50 cents.

The set of 12 doubles for \$5.

## NEW SINGLE GERANIUMS.

- Celia.** Of a most pleasing and attractive color, rose madder, very broad overlapping petals. 50 cents.  
**Ceres.** Soft rosy salmon, deeper centre, slightly mottled flowers and trusses of fine form, and freely produced; habit very dwarf. 50 cents.  
**Constance.** Bright rosy pink, one of the best of this color; quite distinct. 50 cents.  
**Jules Favre.** Large spherical trusses, lively lake-red shaded with pomegranate-red. 50 cents.  
**Kate T. Patterson.** Rich deep orange, overlaid with buff; very distinct. 50 cents.  
**Mad. M. L. de la Rue.** Rosy violet, of fine form, distinct and attractive. 50 cents.  
**M. Lepere.** Flowers of good form, violet lake-red, upper petals fiery red at the base. 50 cents.  
**Marie Mangin.** Rosy salmon red, slightly shaded white on the edges. 50 cents.  
**Mrs. Pollet.** Flowers of good form, scarlet, with clear white eye. 50 cents.  
**Mrs. Gordon.** Bright crimson, distinct white eye, trusses well formed, extra fine. 50 cents.  
**Nuee de Feu.** Fiery copper red, upper petals marked with violet. 75 cents.  
**Rose.** Rosy red, very large trusses and flowers. 50 cents.

## NEW DOUBLE IVY GERANIUM—SARAH BERNHARDT.

Large double white flowers, veined with crimson; a strong, vigorous and fine variety. 25 cents

## DRACÆNA GOLDIANA.

One of the most magnificent ornamental foliage plants ever introduced, and altogether unique in character and aspect. It is a native of Western Tropical Africa. The plant is of erect habit and the stems are closely set with stalked spreading leaves, the petioles of which are of a grayish color; terete with a narrow furrow along the upper side, the base being dilated and sheathing the stem. The blade of the leaf is marbled and irregularly banded with dark green and silver gray in alternate straight bands, the colors being about equally distributed. The back of the unfolded leaves and the stem where visible, are a pale reddish purple or wine color. It is, without doubt, one of the most superb of ornamental store plants, and indispensable in all first-class collections. \$5.00 to \$15.00.



DRACÆNA GOLDIANA.

## NEW FERN.

- Microlepia Hirtha Cristata.** This fine crested fern is a new introduction from the South Sea Islands, and will be welcomed by all lovers of ornamental Ferns on account of its graceful character and free habit of growth. The fronds have a charmingly drooping manner of growth, so that the plants form exceedingly beautiful objects for basket culture, besides being well suited for pot culture, or for planting on rock-work in a warm conservatory. 50 cents.  
**Nephrolepis Duffii.** A very distinct and remarkable Fern, introduced from the Duke of York Island. It is of close-tufted habit of growth, throwing out long thread-like stolones on which young plants are developed, and producing numerous fronds of a very peculiar character and exceedingly ornamental. The fronds have the peculiarity of growing two together from the same point. 50 cents.

## GYNURA AURANTIACA.

An extremely ornamental and attractive plant, having its stems and leaves thickly covered with soft hairs of a dark violet color, giving the foliage a rich velvety appearance. The flowers are of a brilliant orange color. It is highly recommended as a bedding plant, and will prove very effective as a summer decorative plant. 50 cents.

## GLOBBA COCCINEA.

A zingiberaceous plant of dwarf habit and pleasing aspect; the stems, which are about as thick as a goose-quill, are much crowded, 12 to 18 inches long, and gracefully arching on all sides, giving the plant a very elegant appearance. They are furnished with deep glossy green leaves, and terminate in dense clusters or racemes of flowers, of which the bracts are scarlet and the perianth yellow. The plant is in bloom the greater part of the year. A most interesting addition to our stove flowering plants. \$1.50.

## NEW HELIOTROPES.

- President Garfield.** Bright mauve-purple, free and distinct; one of the best of its color. 50 cents.  
**Swanley Giant.** Of a rosy purple color, the heads of bloom are of enormous size, often measuring 6 inches across; of good habit and delicious fragrance. 50 cents.

**HIBISCUS ROSA—Sinensis Zebrinus.**

A very distinct and handsome variety, with double flowers, which are beautifully flaked and striped. The individual flowers are about  $3\frac{1}{2}$  inches broad, the five outer petals are scarlet edged with creamy yellow in the lower part; the staminal column is entirely petaloid, with a few large petal-like bodies, forming numerous irregular tufts at the apex of a creamy yellow color, variously and irregularly striped and flaked with scarlet. Both the form and marking of the flowers are very irregular and grotesque. 50 cents.

**HIBISCUS SCHIZOPETALUS.**

A very peculiar and striking species. It differs from all others in the remarkable character of its petals, the pendulous flowers and the long tubular calyx. Its drooping flowers, with reflected orange-red and lacinated petals, render this plant not only a curiosity but highly valuable as a decorative or bedding plant. \$1.00.

**JASMINUM GRACILLIMUM.**

JASMINUM GRACILLIMUM.

One of the most distinct species in its graceful habit, and in the abundance of its large sweet-scented flowers, which are copiously produced; in this respect we know of none to compare with it. It is a small-growing species, with long slender branches springing from low down on the stems, and curving over on all sides, weighed down by terminal globose panicles of flowers as large as the fist. The plant is continuously in bloom from October to January, a season when choice white flowers are scarce. 50 cents to \$1.00.

**LILIUM LONGIFLORUM FLORIBUNDA, OR HARRISI.**

It is evidently a variety of Longiflorum; like it, the flowers are trumpet-shape. In color pure white, rather

larger in size than Longiflorum, the petals more recurved, and in addition is exceedingly fragrant. But its great merit is its free blooming habit. Large bulbs of the old variety give from two to three flowers, but the main stem of this sort will produce from four to eight or more flowers. It frequently sends up new shoots which will bear from two to four flowers, thus continuing the season of blooming for months. Bulbs the size of a walnut will produce in this manner, but still smaller bulbs will flower.

This variety is admirably adapted for forcing and can be brought into bloom as early as the holidays. We believe this to be one of the finest novelties ever offered in the way of a Lily. 50 cents to \$1.00.

**NEW REGAL PELARGONIUMS.**

This type of Pelargoniums called "Regal" contains the most brilliant colored flowers in this class of plants. The flowers are of large size, very rich and showy, and although they are not really double, yet from their fulness of form and the extra number of petals, they have the appearance of being so.

**Beauty of Oxton.** The upper petals are of a very rich maroon color, the under petals very dark crimson, shaded with maroon, light centre, tinted with rose; all the petals are attractively and regularly margined with white, and beautifully fringed. 50 cents.

**Dr. Masters.** The upper petals have a large black blotch in the centre, with a narrow margin of rich crimson, the lower petals having a smaller blotch; dwarf, sturdy habit. 50 cents.

**Maid of Kent.** An exceedingly attractive variety, of neat dwarf habit, and extremely free blooming; the flowers are pure white, with bright rose-colored spots on all the petals, which are beautifully fringed and undulated, giving the blossoms a full crispy appearance. \$1.00.

**Mad. Thibaut.** White, richly blotched and marbled with rose, the upper petals marked with maroon, large white centre; immense large trusses of very large fine flowers, with undulated petals; a beautiful variety. 75 cents.

**Queen Victoria.** This remarkably distinct and handsome Pelargonium is one of the most marvellously beautiful and novel varieties ever offered. The color is a rich vermilion, all the petals broadly margined with pure white, and the upper ones blotched with maroon, peculiarly crisped. 75 cents.

**Triumph de St. Maude.** One of the best and finest high-colored varieties in cultivation, of free, dwarf, short-jointed habit; a splendid market variety. 75 cents.

**NEW SPOTTED SHOW AND FANCY PELARGONIUMS.**

**Duchess of Edinburgh.** White, with carmine spot on each petal; a very distinct and desirable variety. 50 cents.

**Emile Zola.** Truss large and finely formed, color carmine-orange, bordered with bright rose; centre with maroon blotch; a vigorous grower and profuse bloomer. 75 cents.

**John Bright.** Cherry red dark spots. 50 cents.

**Mabel.** Dark maroon top, narrow edge, heavily painted flower, fine free habit, and free bloomer. 50 cents.

**Mermeris.** An early free-flowering variety, of rich color; dwarf, compact growth. 50 cents.

**Morning Star.** Rosy crimson, light throat. 50 cents.

## NEW SPOTTED SHOW AND FANCY PELARGONIUMS—Continued.

- Mrs. Gair. Crimson-purple, white centre and edges; dwarf, compact habit. 50 cents.  
 Mrs. Forster. Rosy purple, light edges and centre, a large flower. 50 cents.  
 Mrs. Beck. Top petals lake, light lower petals, white centre. 50 cents.  
 Scarlet Gem. Scarlet, maroon spots, a fine flower. 50 cents.  
 Sims Reeves. Shaded purple lower petals, maroon top, with purple edge. 50 cents.  
 Thetis. Rosy crimson, edged with white, large velvety maroon spots. 50 cents.

## NEW MONTHLY PELARGONIUM—FRED. DORNER.

Throat and edge of petals pure white, each petal shaded toward the centre with a rich carmine-pink, with a glowing crimson blotch on each petal, of which the two upper are the largest. This is a very free and distinct flowering variety. 50 cents.

## PEPEROMIA PROSTRATA.

This very pretty and slender growing basket plant will prove to be a welcome addition to this popular class of plants. The leaves, which are round, are produced close together on long thread-like creeping rhizomes, and are beautifully variegated with brown and light green. The mature leaves assume a somewhat globular shape, giving to the plant a distinct and unique character. 75 cents.

## NEW PERENNIAL PHLOXES.

- Argory. Pure white, brilliant cherry-colored eye; very fine. 50 cents.  
 Cortawbert. Violet-rose color, crimson eye. 50 cents.  
 Lucie Lemoine. Fine large pure white. 50 cts.  
 Mad. Deveret. Bright rose, crimson eye. 50 cts.  
 Rosamund. Salmon scarlet, shaded crimson. 50 cents.  
 Souv. de Louis Van Houtte. Light rose, cerise eye; very fine. 50 cents.

The set of six varieties for \$2.00.

RICHARDIA HASTATA, OR  
YELLOW CALLA.

Smaller than the well-known white one, but a charming flower of a soft yellow color, set off by a rich deep purple spot in the throat. 75 cents.

## HYBRID TEA ROSES.

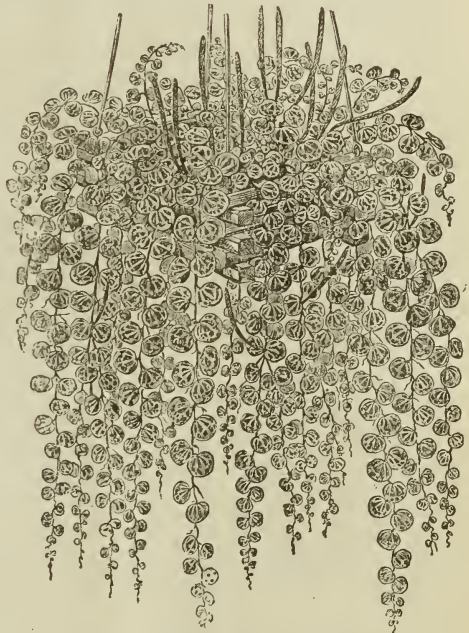
This is a new group produced from crossing Teas with Hybrid Perpetuals. While this type is yet in its infancy, we believe in a few years there will be a great many new varieties. No group attracts more attention than this, and it is certainly destined to attain great popularity.

- Beauty of Stapleford. Flowers large, outer petals very pale pinkish rose, gradually shaded to a deep rosy centre. 50 cents.  
 Duchess of Connaught. Large full flowers of a pale rose color; dwarf. 50 cents.  
 Duchess of Westminster. Exceedingly large and finely formed flowers; carmine rose color. 50 cents.  
 Duke of Connaught. Deep velvety crimson, edged with the brightest red; flowers large, buds long, and of very fine form. 75 cents.  
 Hon. Geo. Bancroft. Deep red, shaded with violet-crimson; large, full flowers, globular form, highly scented. 50 cents.  
 Mad. Julia Weidman. Salmon-silvery rose, carmine and yellow in the centre; reverse of petals violet rose. 75 cents.  
 Viscountess Falmouth. Large flowers of good form, very delicate purplish rose, the back of petals bright pink, highly scented. 50 cents.

The set of seven varieties for \$3.00.

## NEW HYBRID PERPETUAL ROSES.

- A. M. Ampere. Purple red, with bluish reflex, medium size, full, cupped; growth vigorous. \$1.00.  
 Crown Prince. Purple red, with deeper centre, very large and full; fine form. 50 cents.  
 Ernest Prince. Clear red, deeper in the centre, very large, well formed and globular; growth very vigorous. 75 cents.  
 Helen Paul. Very fine white, sometimes shaded with rose, very large, of globular form; growth vigorous. \$1.50.  
 Mad. John Twombly. Deep currant red, large, full, well formed, growth vigorous; in the way of Alfred Colomb. \$1.00.



PEPEROMIA PROSTRATA.

NEW HYBRID PERPETUAL ROSES—*Continued.*

- Mad. Martha D'Halloy.** Cherry carmined red, large, full, well formed; growth vigorous. \$1.00.  
**Mrs. Jowitt.** Brilliant glowing crimson, shaded with lake, flowers very large and globular; a bold, well-built flower of grand form and substance. 75 cents.  
**Lady Sheffield.** Brilliant rosy cerise, of fine form. 75 cents.  
**Ulrich Brunner.** Carmined rose, very large; seedling from Paul Neron. \$1.00.  
**Violette Bouyere.** White shaded with pink, large, full, and fine form; growth very vigorous. \$1.00.

## NEW TEA ROSES.

- Etoile de Lyon.** Fine, striking, sulphur-yellow, deeper in the centre, very large, full, and very fine form; growth very vigorous; said to be one of the best yellow roses ever raised. 50 cents.  
**Mad. Joseph Schwartz.** Flowers of medium size, full, and of fine form; light salmon rose color; a seedling of Comtesse de la Barthe. 50 cents.  
**Mad. Cussin.** Purple rose, with white centre tinted with yellow; large, full, and well formed. \$1.00.  
**Mad. Angele Jacquier.** Flamed cerise, with coppered yellow at the base, bright color; flowers large, full and well formed. 50 cents.  
**Red Safrano.** A sport from the well-known Safrano; the color is a bright red. 50 cents.

## NEW BOURBON ROSES.

- Queen of Bedders.** A remarkably free-flowering deep crimson rose, produced in large clusters. 50 cents.  
**Mad. Isaac Perier.** Beautiful vivid carmine, full, of immense size, perfect imbricated form. 50 cents.

## NEW MOSS ROSE.

- Blanche Moreau.** Pure white, large, full, opening well, of perfect form, blooming in clusters. \$1.00.

## NEW CLIMBING ROSE.

- Caroline Goodrich.** Flowers in clusters, on strong shoots of ten to fifteen flowers each; color the same as the well-known General Jacqueminot, but more double; a strong, vigorous grower. 50 cents.

## SYRINGA—CHARLES X.

The well-known French white lilac. The natural color is red, but by growing in a high temperature in a quite dark place, the flowers are produced perfectly white in large quantities, which are very much esteemed in winter for cut flowers. Plants well set with buds, \$2.00.

## SCIRPUS NUTALENSIS.

A grass-like plant, with light green foliage; very effective for hanging-baskets, or for planting in aquariums or moist shaded places. 50 cents.

## TABERNÆMONTANA CAMASSA.

A green-house shrub of neat, compact habit, resembling the Gardenia in growth and fragrance of flowers; fine for cut flower work. 50 cents.

## NEW DOUBLE TROPÆOLUM—HERMINE GROSSHOFF.

This is a grand and decided novelty; it differs from all other Tropæolums in the dwarf growth and large, perfectly double flowers, which are about two inches in diameter and of a bright orange-red color.

It blooms continuously, and we know of no other plant that will give better results under almost any treatment. It is well adapted to grow in single specimens as a pot-plant, or for planting in the open border. Its bright-colored flowers and elegant habit of growth render it indispensable in the planting of vases, baskets or window boxes.

We feel confident in recommending this plant for almost any purpose, it having been tried at our nursery for over a year.

DOUBLE TROPÆOLUM—HERMINE GROSSHOFF

It was covered with flowers the entire summer, and flowered quite freely even during the dull winter months. 30 cents each; \$3.00 per dozen.

## NEW DOUBLE BLUE VIOLET—MARGUERITE DE SAVOIE.

One of the finest Double Violets yet introduced. It has the style and habit of Marie Louise, but is much larger in flower, color very rich deep blue, with a white centre, fragrant and free flowering; habit and growth good. This is one of the prettiest and most profitable to the grower of cut flowers. 25 cents; \$2.50 per dozen.



## The Plant Department.

IT is the purpose of this department to send out only such stock as will meet with perfect favor, and shall excel in size, quality and novelty previous introductions. The supplement contains novelties offered for the first time, and new and rare plants of merit deserving of more than passing notice.

The collection is being continually enlarged by additions of the latest foreign and native introductions, some of which we have not yet had an opportunity of testing; they have been received from the most reliable growers, experts in their particular specialties, and are offered under their descriptions.

The general list of older varieties has been carefully revised, rejecting all sorts that have not proven themselves adapted to our climate, retaining only such as have some marked excellence in growth, size of flower, or beauty of coloring.

The many valuable works on horticulture now offered, giving detailed culture of each sort, will, we believe, better satisfy our patrons' inquiries than the limited space of this catalogue would admit.

**REMITTANCES AND SUGGESTIONS.** Please see page 2.

**PLANTS BY EXPRESS.**—All plants and other goods are sent by express, unless specially ordered otherwise. This is by far the most satisfactory way of forwarding, as stronger and better plants can be sent and they will be received in better order. We always add enough "extras" of valuable plants to cover express charges.

**PLANTS AND BULBS BY MAIL.**—To those remote from the express office, or who reside in distant places and find express charges excessive, WE MAIL THE PLANTS AND BULBS POSTAGE FREE when selected at the single or dozen price. Rhododendrons and Tree Pæonias are too large to send by mail. By the improved modes of packing, small plants that have been grown in cool houses and small pots are mailed to the most distant points with perfect safety at all seasons of the year.

**NO CHARGE FOR BOXES, BASKETS OR PACKING.**

**PLANTS SHIPPED AT ALL SEASONS OF THE YEAR** by our improved system of packing, which enables us to ship during the coldest weather, and seldom a package is injured.

**SPECIAL COLLECTIONS OF PLANTS AND BULBS** as offered at the end of this department will be found to contain the best things of their respective class, and sold at very reduced rates from catalogue prices. This can only be done where entire collections are taken; no parts or substitutions can be allowed.

**PLANTS, SEEDS AND OTHER GOODS SHIPPED IN ONE PACKAGE** by express, saving express charges; the orders should be made out on SEPARATE ORDER SHEETS.

### DIRECTIONS FOR THE CARE OF PLANTS ON ARRIVAL.

Should the weather be favorable for immediate planting (danger of frost being over), and the plants are not injured by long confinement in the box, they may at once be planted out in the flower borders, sprinkling them with water, and shading for a few days from the direct rays of the sun. Should they, however, have suffered, it is desirable to nurse them for a short time in the house, a close frame, or green-house, keeping them away from the *air* and potting the tender kinds in small pots, in a light, sandy soil, where pots cannot be obtained, they may be planted in boxes, and exposed gradually to the air and sun.

# GENERAL COLLECTION OF NEW AND RARE PLANTS.

## ABUTILON—Chinese Bell-Flower.

Plants of strong growth and easy culture, flowering very freely, and desirable on account of their continuous bloom for the border, as well as for the green-house or room in the winter. 25 cents; \$2.50 per doz., except where noted.

- Aureum Maculatum.** Green and yellow mottled foliage, flower yellow veined with crimson; splendid bedder.  
**Boule de Neige.** A fine white flowering variety.  
**Crusader.** Rich cinnabar scarlet, large. 50 cents.  
**Cronne d'or.** Beautiful deep sulphur-yellow color; desirable. 50 cents.  
**Darwini.** An incessant bloomer, producing from 3 to 5 flowers from the axil of each leaf; flowers large, buff yellow, veined with crimson, which resemble a parasol in shape.  
**Darwini Tessellatum.** The deep green of the leaves being marbled or tessellated with golden yellow, and a tint intermediate between the two. The flowers are the same as the "Darwini."  
**Firefly.** Rich salmon scarlet; fine. 50 cents.  
**Pattersoni.** Beautiful green foliage, large crimson flower.  
**Royal Scarlet.** Brilliant scarlet; very dwarf and free. 50 cents.  
**Snow Storm.** Pure white, of dwarf habit.  
**Vexillarium Aureum Pictum.** Flowers scarlet; petals golden yellow; free bloomer, dwarf drooping spreading habit; foliage golden and marbled; useful in vases and as a bedding plant.  
**William Fowler.** Bright yellow flowers.

## ACHIMENES.

Tropical plants for summer blooming; the scaly tubers must be preserved entirely dry during winter. In early spring pot in peat, sand and a little light soil. They delight in heat, moisture and shade whilst growing, but in a cooler temperature when in bloom. Do not water the foliage. Excellent for baskets. 12 choice varieties named. 30 cents; \$3 per dozen.

## ACHYRANTHUS.

Indispensable for bedding purposes, either in masses or in the ribbon style, their brilliant tinted leaves forming a marked contrast with all other plants. 15 cents; \$1.50 per dozen.

- Acuminata.** Large purple heart-shaped leaves.  
**Aurea Reticulati.** Yellow, green and crimson.  
**Emersoni.** Like Lindeni, a large part of the foliage being beautiful pink.  
**Gilsoni.** Deep purple heart-shaped leaves.  
**Lindeni.** Dark purple elliptic foliage.

## AGAPANTHUS UMBELLATUS—African Lily.

A noble plant, belonging to the bulbous-rooted section, with evergreen foliage. A plant will frequently send up a flower-stalk 3 feet high, crowned with a head of 20 or 30 blue flowers, which will come into blossom in succession. It blooms during the summer, and forms a fine ornament to an architectural terrace, or a lawn. The roots are preserved in a cellar or under the stage in the green-house during the winter. 50 cents to \$1, according to size.

**Alba.** White flowers. \$1.

| **Variegata.** Variegated foliage, blue flowers. \$1.

## AGAVE—Century Plant.

No plants are more decorative or effective than these, for the conservatory in winter, or lawn and garden in summer, presenting a highly picturesque as well as tropical aspect. They can be wintered in a dry cellar, or under the bench of a green-house when necessary.

- Americana.** Dark green leaves. 50 cents to \$8.  
**Americana Heterocantha.** A rare dark-leaved variety of medium growth. \$1.50.  
**Americana Variegata.** Dark green, variegated with creamy yellow; of various sizes. 50 cents to \$10.  
**Verschaffelti.** One of the finest and rarest varieties, with short, almost heart-shaped leaves and black spines. Specimen plants, \$5.

## AGERATUM.

Old favorites, blooming profusely during the summer and winter. 20 cents; \$2 per dozen.

- Blanche.** Pure white, very desirable.  
**John Douglas.** Large azure blue flowers, dwarf, compact habit; fine.  
**Lady Jane.** Blue flowers, an effective bedding plant; dwarf habit, very free.



ACHIMENES.

## AKEBIA QUINATA.

A perfectly hardy and beautiful evergreen climbing plant, growing 20 feet high, with trifoliate leaves and dark brown flowers; highly fragrant. One of the best hardy climbers. 25 cents; \$2.50 per dozen.

## ALOCASIA.

**Gibsoni.** Large leaves, marbled green and black; very ornamental. 50 cents.

**Jenningsi.** Glauous green, blotched black. 25 cents.

**Lowi.** Spotted stems. \$2.50.

**Macrorrhiza Variegata.** Richly variegated. \$1.

**Metallica.** \$1.50.

**Odorata, or Gigantea.** Gigantic upright green leaves, growing 8 to 10 feet high; flowers like a Calla, green and very fragrant. \$1.00.

**Sedeni.** White veins. \$1.50.

**Violacea.** \$1.

## SWEET ALYSSUM.

Favorite summer and winter blooming plants; young plants should be grown on for a succession. 15 cents; \$1.50 per dozen.

**Double White.** Valuable for cut flowers.

**Tom Thumb.** Very dwarf and free.

**Double White; Gem.** Variegated foliage.

**Variegated.** Single flowered.

## ALTERNANTHERAS.

Beautiful dwarf plants of compact habit, growing about 6 inches high, and admirably adapted for edgings to flower-beds or ribbon lines, their beautifully variegated foliage of crimson, purple, yellow, pink, and green forming rich masses of color, always attractive and highly ornamental. 15 cents; \$1.50 per dozen; \$6.00 per 100.

**Amabilis Tricolor.** Orange, crimson and dark green.

**Amœna Spectabilis.** Crimson, pink and brown; the finest and brightest.

**Paronychioides Aurea.** The best golden foliage bedding plant yet introduced.

**Paronychioides Major.** Orange-colored tips, broad foliage.

**Versicolor.** Foliage ovate, olive, crimson and chocolate; when used for edgings they are to be frequently sheared like box edging, when the young tips will assume the most brilliant hues.

## AQUILEGIA CÆRULEA—Rocky Mountain Columbine.

A hardy perennial plant; the most beautiful of all the Columbines, styled the "Queen of Columbines." The flowers measure from 3 to 3½ 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. Strong plants. 25 cents; \$2.50 per dozen.

## AQUILEGIA CHRYSANTHA—New Golden-Spurred Columbine.

A splendid hardy perennial from the Rocky Mountains; flowers rich golden yellow. Strong plants, 25 cents; \$2.50 per dozen.

## ARDISIA CRENULATA.

A very ornamental green-house plant, with dark evergreen foliage, producing clusters of brilliant red berries; a splendid house plant in winter. 50 to 75 cents each, according to size.

**Ardisia Crenulata Fructo Albo.** Similar to the above in growth, producing white berries.

## ARISTOLOCHIA SIPHO—Dutchman's Pipe.

Very large leaves and brownish flowers, of a very singular shape, resembling a pipe. It is a vigorous and rapid growing climber, attaining a height of 20 feet; perfectly hardy. 50 cts.; \$5 per doz.



AQUILEGIA CÆRULEA.

## AMPELOPSIS VEITCHI—Miniature Virginia Creeper.

An introduction from Japan which has proven entirely hardy. It grows as rapidly as the old Virginia creeper, and attains a height of 50 feet. It clings firmly to any wall, tree, etc. The leaves are small on young plants, which at first are of an olive green brown color, changing to bright scarlet in the autumn. As the plant acquires age the leaves increase in size. This variety becomes more popular every season, and is without a rival. 25 cents; \$2.50 per dozen.

**Ampelopsis Quinquefolia—Virginia Creeper.** A very rapid grower, with large dark green foliage, which changes in the fall to scarlet. 25 cents; \$2.50 per dozen.

## ARUNDO DONAX VARIEGATA.

Variegated bamboo; a hardy, broad-leaved, variegated reed; foliage creamy-white and green, retaining its bright fresh color until frost; growing 4 feet high, of graceful form and fine habit. 30 cents.

**A. Donax.** The green form of the above, growing 12 to 15 feet high, perfectly hardy and very effective. 25 cents.

## AMARYLLIS.

Splendid flowering bulbs, suitable for the green-house or room culture. They should be grown in pots, well drained, in a soil of equal parts of peat, leaf-mould and loam. They produce showy lily-shaped flowers, from two to ten on a stalk.

**Aulica.** Dark crimson, large and fine. \$2.50.

**Formosissima** (Jacobæa Lily). Crimson-velvet color, flowering early in the summer. The flowers have a most graceful and charming appearance. To be planted out in May in rich ground; the roots are preserved like Dahlias during the winter. 20 cents; \$2 per dozen.

**Hybrids** from the celebrated collection of Mr. Louis Van Houtte. \$1.25; \$12 per dozen.

**Hybrids of Vittata**, from the celebrated collection of M. Fouchet, Paris. \$1.25; \$12 per dozen.

“ “ “ White ground, lined and striped with red and rose. \$1.25.

“ “ “ Red ground, striped with white. \$1.25.

**Longiflora Alba.** Large fragrant white flowers. 40 cents.

**Longiflora Rosea.** Rose-colored flowers. 40 cents.

**Johnsoni.** Scarlet, striped with white, very large bloom. \$2.

**Prince of Orange.** Bright orange, large. \$2.

**Vittata.** White, striped with dark rose; extra. \$1.



ASTILBE JAPONICA.

## ASCLEPIAS LINIFOLIA ALBA.

A green-house, herbaceous plant bearing umbels of pure white flowers during the entire summer. When planted out, a valuable florist's plant. 25 cents.

## ASTILBE JAPONICA—Spiræa Japonica.

A splendid plant either for outside flowering or forcing; it produces beautiful sprays of silver white flowers during February and March when forced, or outside in June; its dark green leaves, resembling some of the well-known Ferns, when covered with bloom, make it an attractive object. 25 cents; \$2.50 per dozen.

**S. Japonica Aurea Reticulata.** The bloom is much superior to the above; a thick compact head freely produced. 50 cents.

## AZALEA INDICA—Chinese Azalea.

Our collection of these beautiful green-house plants embraces a large list of the latest and best introductions. No plant is better adapted for parlor or conservatory cultivation; the double white varieties are much esteemed for forcing in winter.

Medium plants, 50 to 75 cents; \$5 per dozen. Trained standards of symmetrical growth, strong, from \$1 to \$1.50 each; \$9 to \$15 per dozen.

## HARDY GHENT AZALEA.

This is a magnificent class of hardy flowering plants, the truss of the blossom being large and possessing a great variety of color. The preparation of soil is the same as applied to Rhododendrons. We offer a collection of the finest varieties. \$1.25; \$12 per dozen.

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**Acacia Pubescens.** 50 cents to \$2.50.

**Acalypha Tricolor.** 20 cents.

**Acorus Graminæus Variegatus.** 20 cents.

**Acuba Japonica.** 50 cents.

**Allamanda Hendersoni.** 50 cents.

**Schottii.** 50 cents.

**Aloysia Citriodora.** Lemon verbena. 20 cents.

**Amaranthus Tricolor.** Fountain plant. 20 cents.

**Ananassa Sativa Variegata.** \$3 to \$6.

**Anthericum Vitatum Variegatum.** 25 cents.

**Anthurium Crystallinum.** \$1.50.

**Anthurium Magnificum.** \$1.

**Aralia Guilfoylei.** 50 cents.

**Sieboldi.** 50 cents.

**Aspidistra Lurida.** 30 cents.

**Aspidistra Lurida Variegata.** 50 cents.

## BAMBUSA

The following are elegant reeds, of dwarf and medium growth, giving a graceful appearance to sub-tropical groups, and very useful in decorating aquariums or fountains.

**Aurea Variegata.** Beautifully striped with light green and yellow; 15 to 18 inches high. 30 cents.

**Fortunei Variegata.** White and green striped; dwarf. 25 cents.

**Metake.** Elegant, broad green foliage; medium height. 30 cents.

**Simonsi Argentea.** Silver striped; 4 to 5 ft. 25 cents.

## BEGONIA—Flowering Section.

This species and the following varieties are useful and effective for vases and baskets, or for bedding out in half-shady positions. Flowering profusely during summer and winter. Their constant flowering qualities are a great recommendation. 25 cents; \$2.50 per dozen.

**Foliosa.** White flowers; fine, neat cut foliage.

**Glaucophylla Scandens.** A drooping variety with pink flowers.



**BEGONIA—Flowering Section—Continued.**

- Multiflora.** Light rose; a fine winter-bloomer.
- Richardsoni.** Large pure white flowers in panicles.
- Rubra.** Dark green leaves, flowers scarlet rose, glossy and wax-like. 35 cents.
- Saundersoni.** Scarlet flowers; dwarf-habit, blooming continually.
- Schmidtii.** Flowers white, tinged with pink, contrasting finely with the foliage, being of a dark green, with a metallic lustre.
- Weltoniensis.** Fine salmon-pink, unusually floriferous.
- Weltoniensis Alba.** Pure white.

**BEGONIA—Tuberous-rooted.**

Of recent introduction, and destined to become very popular blooming plants on account of the great variety of color, form of flower, and abundance of bloom. The bulbs produce fine plants, either for pots in summer, or for bedding out, flowering profusely until frost; doing well in half shade. Preserve roots in winter the same as Caladium tubers.

- Boliviana Superba.** Large orange-scarlet flowers. 40 cents.
- Frœbeli.** Vivid crimson-scarlet flowers. 50 cts.
- Orange Perfection.** Very rich and effective orange-scarlet. 50 cents.
- Rosea Perfecta.** Scarlet; splendid. 75 cents.
- Mixed Double,** in the very finest kinds. 75 cts.
- Mixed Single,** in extra fine mixture, from named varieties only. 35 cents.
- Pearcei.** Bright yellow flowers, foliage veined with black. 40 cents.

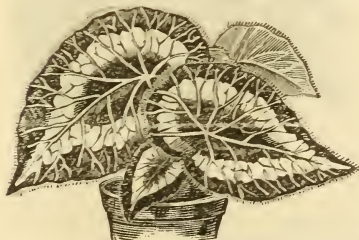


**BEGONIA—Ornamental-leaved.**

All with beautiful variegated foliage, and very desirable for house and garden decorations, in shady positions, especially for baskets, vases, etc. 25 cents; \$2.50 per dozen.

- Crimson Metalica.**
- Decaisneana.**
- Duchess of Brabant.**
- Glorie de Montereau.**
- Louis Chretien.**
- Louise Schneider.**
- Margo.**
- Metalica.**
- Mrs. H. Lowe.**

- Nigrescens Peltata.**
- Parnelli.**
- Pruinosa.**
- Queen of Hanover.**
- Rex.**
- Sir Colin Campbell.**
- The O'Donoghue.**
- Vicente de Condeita.** 50 cents.



**BOUVARDIA.**

Shrubby plants with corymbs of white, rose, crimson and scarlet flowers, blooming during the autumn and winter. Their dazzling richness of color and formation of flower make them one of the most useful of our winter-blooming plants for bouquets.

Strong thrifty plants of last season's growth, which can be bedded out for summer blooming, and lifted in the fall for winter-flowering. 30 cents; \$3 per dozen; smaller size, \$2 per dozen; \$10 per hundred.

- Davidsoni.** The best of the white-flowered varieties; sometimes delicately tinged with pink.
- Dazzler.** A splendid variety of bushy compact habit, very floriferous. It produces fine clusters of large rich scarlet flowers. 30 cents.
- Double White.** The flowers are composed of three perfect rows of petals of the purest waxy white color, each floret resembling a miniature tuberose; a very valuable acquisition. 30 to 50 cents.
- Elegans.** Light scarlet carmine; flower and truss immense size, measuring three to four inches in diameter.
- Humboldt Corymbiflora.** Long tube-shaped pure white flowers; very fragrant.
- Leiantha.** Fine scarlet; compact, deep green foliage.
- President Garfield.** Bright pink double flower, in the style of double white. 50 cents.



- Bignonia Radicans.** Trumpet creeper; hardy. 25 cts.
- Bonaparte Juncea.** Ornamental yucca-like plant. \$1.50.
- B. Venusta.** Green-house climber; orange. 50 to 75 cts.

## CALADIUM ESCULENTUM—Colocasia.



CALADIUM ESCULENTUM—COLOCASIA.

One of the most beautiful and striking of the *Ornamental Foliage Plants* in cultivation, either for culture in the flower-border or for planting out upon the lawn; it will grow in any good garden soil, and is of the easiest culture: when a full size it stands 5 feet high with immense leaves, often measuring 4 feet in length by 2½ in breadth; very smooth, of a light green color, beautifully veined and variegated with dark green. 25 cents each; \$2.50 per dozen. Extra large bulbs, 50 cents; \$5 per dozen.

**C. Bataviensis**—Colocasia. Similar to the *C. Esculentum* in growth and leaf, with darker green leaves and red leaf-stems. 25 cents; \$2.50 per dozen. Extra large bulbs, 50 cents; \$5 per dozen.

## FANCY-LEAVED CALADIUM.

This class of beautiful variegated foliage plants, margined and delicately traced with various rich colors, and elegantly spotted and mottled with rich shades of green, crimson, violet, rose and white, are exceedingly handsome when alone, or intermingled with other plants. As decor-

ative plants they are unequalled, being largely used as exhibition plants for summer and autumn fairs when grown in pots, and for planting out in partly shaded places they have succeeded admirably, for which purpose plant out June 1st, in shady positions, in well-enriched and deeply-dug ground; a mixture of finely decomposed manure or leaf-mould and sand should be employed. They require a moist, warm temperature; great care must be taken in their earliest stages of growth to prevent decay of the tubers or damping off. The tubers, after drying off in the pots in the autumn, can be best preserved during the winter in charcoal dust, in a warm room.

We offer a choice selection of sorts. Strong, well-matured dry tubers. 25 cents; \$2.50 per dozen, except where noted.

**Alphand.** Green spotted with red, crimson centre.

**Argyrites.** Small leaf, white and green spotted.

**Auber.** Green, spotted with white and pink.

**Auguste Riviere.** Green; centre gray with crimson spots.

**Baron Rothschild.** Green, spotted and veined with orange-crimson.

**Barral.** Bright green, with a fine red centre and large spots of rose.

**Balleyme.** Green, profusely mottled with white.

**Bellini.** Dark green, large crimson centre.

**Beethoven.** White, veined with green, mid-rib rose.

**Bicolor Splendens.** Deep crimson; green margin.

**Boieldieu.** Bright orange-crimson, green margin.

**Brongniarti.** Very large green and crimson leaf.

**Chantini.** Spotted with rose and crimson.

**Chantini Splendens.** Spotted with rose and crimson; brilliant centre.

**De Candole.** Green, creamy white centre and crimson spots.

**Discolor.** Green, bronzy-red centre.

**F. David.** Scarlet and white centre; very fine.

**Houletti.** Green, ground suffused with white.

**Duc de Morny.** Green, with crimson-rayed centre.

**Duc de Nassau.** Green, spotted and flamed orange crimson.

**Duc de Ratibon.** Green, crimson veined, white spots.

**Duchartre.** Green, white veined, shaded rose.

**E. G. Henderson.** Green, spotted with rose and rayed crimson.

**Enckei.** Green, spotted with pink.

**Endlicherianum.** Foliage large, green, with large rose centre.

**Hercules.** Gray centre, bright red spots and veins.

**Lamartine.** Dark olive green, with crimson spots.

**Lepeschikinei.** Large spots of rich rose color, bright red centre.



**Mad. Alfred Bleu.** Deep green, white blotches, broad veins of crimson scarlet.

**Max Kolb.** Grayish centre, with crimson blotches.

**Meyerbeer.** White, veins green, mid-ribs red; fine.

**Milton.** Red veins on gray centre, crimson blotches.

**Murillo.** Centre and veins metallic red, crimson.

**Napoleon III.** Flamed crimson centre on green ground.

**Newmani.** Green, spotted rose.

**Onslow.** Deep crimson centre, with forked rays and carmine spots.

**Porphyraphylla.** Rich violet purple stems and veins.

**Prince Albert Edward.** Green, crimson, mid-rib and veins dotted with ivory white, black leafstem; extra. 50 cents.

**Reine Victoria.** Dark green, spotted white and crimson.

**Rossini.** Pale centre, pink ribs and red blotches.

**Rubra Maculata.** Dark green foliage, orange red spots.

**Sieboldi.** Fiery red centre spotted with claret red.

**Triomphe de Exposition.** Crimson centre, with red ribs. 50 cents.

**Wighti.** Light green, with crimson and white spots.

## CALLA ETHIOPICA—Lily of the Nile.

An old and favorite plant, which should be found in every collection; it grows freely during the growing season, requiring an abundance of water, and producing large pure white blossoms during the winter and spring; the resting period during June and July can be given by turning the pots on their sides, without watering, in a shady place. 30 cents; \$3 per dozen. Extra strong, 50 cents; \$5 per dozen.

**Nana.** A dwarf variety, with smaller white flowers and leaves than the above; useful for bouquets. 30 cents.

**CAMELLIA JAPONICA.**

The following list comprises the most popular varieties of this favorite winter-blooming plant. The prices vary according to size; for blooming plants from 75 cts. to \$10 each.

- |   |   |   |
|---|---|---|
| <p><b>Alba Plena.</b> Double white,<br/><b>Alba Plena Fimbriata.</b> Fringed edges.<br/><b>Caleb Pope.</b> Blush rose.<br/><b>Candidissima.</b> Creamy white.<br/><b>Duchesse D'Orleans.</b> White striped with crimson.<br/><b>Dunlap's White.</b></p> | <p><b>Gilesi.</b> Red and white, fine.<br/><b>Henri Favre.</b> Salmon rose.<br/><b>Imbricata.</b> Cr. mson, spotted white.<br/><b>Jeffersoni.</b> Deep crimson.<br/><b>Jenny Lind.</b> White with occasional flakes of rose.<br/><b>Lady Hume's Blush.</b> Peach color.<br/><b>Landrethi.</b> Beautiful pink.</p> | <p><b>Magdalena Leshi.</b> Crimson, spotted with white.<br/><b>Mrs. Cope.</b> White; pink stripe.<br/><b>Prince Albert.</b> Blush, striped.<br/><b>Sarah Frost.</b> Rosy crimson.<br/><b>Sacco Magnifica.</b> Pale rose.<br/><b>Sherwoodi.</b> Light crimson.<br/><b>William IV.</b> Fine rose.</p> |
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**CANNA—Indian Shot Plant.**

A class of plants for grand effects; their rich and varied-colored leaves, combined with large and beautiful flowers of brilliant colors, make them one of the most desirable plants for sub-tropical gardening. The roots are successfully wintered in a cellar.

The following list has been selected as the best from a very large collection of new and old varieties. 25 cents; \$2.50 per dozen.

- Adele Levalois.** Short, broad foliage, rich crimson flowers.  
**Bonneti Excelsa.** Olive-green and purple foliage; very large orange-red flowers.  
**Brenningsi.** Broad green foliage, ornamented with broad bands of yellow; constant variegation.  
**Compacta.** Green foliage, flowers yellow, spotted with scarlet.  
**Coquette.** Green and bronze foliage, the largest orange flowers.  
**Dr. Gromier.** Dark green foliage; large deep crimson flowers; height 5 feet.  
**Ehemanni.** A very distinct variety; soft-green musa-like leaves, and very large carmine red flowers. 75 cents.  
**Marechal Vaillant.** Rich maroon foliage.  
**Mons. Allegatier.** Large green and bronzy purple foliage; very large orange-red flowers.  
**Ornement Du Grand Rond.** Bronzy green foliage, large scarlet flowers; 5 to 6 feet.  
**Premices de Nice.** Tall green leaves; golden yellow flowers.  
**President Faivre.** Foliage splendid bronzy maroon, flowers large brilliant crimson.  
**Souv. de Barrillet-Deshamps.** Green shaded with maroon; large crimson flowers.  
**Tricolor.** Flowers blood red; foliage tricolored green, red and creamy yellow; dwarf.  
**Victor Lemoine.** Dark bronzy green leaves; very large orange flowers; height 5 feet.  
**Zebrina.** Beautiful large, bronzy-shaded foliage.



**REMONTANT, OR MONTHLY CARNATION.**

Very desirable for their free blooming qualities during the winter and early spring months. Young plants set out in the garden will bloom profusely during the summer months, and if lifted and potted in the fall, will continue blooming the winter. 20 cents; \$2.00 per dozen. Large plants in the fall, 40 cents; \$4 per dozen.

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| <p><b>Admiral Farragut.</b> Creamy white, edged purple.<br/><b>Astoria.</b> Yellow, flaked with scarlet, a very desirable old variety.<br/><b>Butterfly.</b> Orange buff, flaked with purple.<br/><b>Crimson King.</b> Beautiful crimson scarlet; very large and double.<br/><b>Donati's Pride.</b> White edged with pink; extra.<br/><b>Edwardsi.</b> Large pure white; extra.<br/><b>Geo. Washington.</b> White, striped cherry.<br/><b>Henry Ward Beecher.</b> White, flaked maroon and crimson.<br/><b>Lady Emma.</b> Rich crimson scarlet, full and double; free.</p> | <p><b>La Purete.</b> Carmine; very free flowering.<br/><b>Meteor.</b> A splendid variety originated in Philadelphia; color is a rich scarlet.<br/><b>Mrs. Porter.</b> Richer in color than La Purete, same in other particulars.<br/><b>Othello.</b> Crimson shaded with purple.<br/><b>Peerless.</b> Large white.<br/><b>Peter Henderson.</b> Very large pure white; of strong dwarf habit, and free blooming qualities.<br/><b>President De Graw.</b> Pure white; very floriferous.<br/><b>Snowdon.</b> Pure white, dwarf habit.<br/><b>Variegated La Purete.</b> Rose, striped with white.<br/><b>Vesuvius.</b> Bright scarlet.</p> |
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**CENTAUREA.**

- Candidissima.** A valuable plant for ribbon-bedding in contrast with Coleus. Leaves downy white, forming a neat compact bush. 15 cents; \$1.50 per dozen.  
**Gymnocarpa.** A plant of the general aspect of the Candidissima, but with more graceful and divided leaves, slightly drooping; silver gray hue. 15 cents; \$1.50 per dozen.

**CHOISYA TERNATA.**

This is a grand spring flowering plant, with pure white flowers, star-shaped, and produced freely from the young growth. It requires a green-house treatment, and should be in every collection. 50 cents.

### CHRYSANTHEMUM—Large Flowering.

This favorite autumn flower, since the addition of so many choice varieties, has become still more popular. The Dwarf or Pompones sorts are sufficient themselves to form a choice bouquet, such is the variety of color and form embraced by them. The Pompones are particularly suited to pot-culture, while both large and dwarf are perfectly hardy, and form beautiful objects in the open garden. The following list comprises the finest new and older varieties:

Spring plants, 20 cents; \$2 per dozen, except where noted. Large plants for exhibition ready in the autumn, 30 cents; \$3 per dozen.

Alfonso. Crimson, pointed with yellow.  
 Alfred Salter. Large delicate pink.  
 Angelia. Very large bronzy orange.  
 Aurea Multiflora. Fine deep yellow.  
 Baron Beust. Bronzy orange; incurved.  
 Boule de Neige. Pure white.  
 Cardia. Fine yellow.  
 Dr. Sharpe. Magenta crimson.  
 Elaine. White, petals tinted carmine.  
 Golden Dragon. Bronze and gold, novel and fantastic form.  
 Golden Mad. Martha. Golden yellow.  
 Golden Queen of England. Golden canary.  
 Herwood. Beautiful rosy crimson, finely incurved.  
 Hetty Parker. Splendid blush, finely incurved, large.  
 H. S. Rundle. Pure white convex flower, imbricated.  
 Jardin des Plantes. Golden orange, finely incurved.  
 Lady Talfourd. Delicate rose and lilac.  
 Lord Beaconsfield. Salmon red shaded with amber yellow, distinct. 50 cents.

Marquis of Lorne. Reddish carmine, spotted and tipped with yellow. 50 cents.  
 Miss Phirza. Clear white, reverse of petals pink.  
 Model of Perfection. Lemon and lilac.  
 Mons. Crousse. Bright clear red.  
 Mr. Geo. Glenny. Incurved flower, bright straw color.  
 Mrs. Geo. Rundle. Finely incurved white.  
 Mt. Etna. Bright crimson.  
 Orpheus. Bronzy crimson.  
 Pink Perfection. Very large bright pink.  
 Queen of England. Striped blush color, incurved.  
 Refulgens. Deep claret crimson, fine flower of good form; attractive.  
 Reine des Blanches. White, lilac reflex.  
 Souv. de F. Marrouch. Orange centre; petals golden.  
 Temple of Solomon. Fine large flowers of clear golden yellow; extra.  
 Venus Alba. Large clear white; fine.  
 Vesta. Pure white.  
 Virginalis. Fine large clear white.

### CHRYSANTHEMUM—Pompones or Liliputian.

Spring plants 20 cents; \$2 per dozen: large plants in the autumn at 30 cents; \$3 per dozen.

Alba Multiflora. Pure white; large clusters.  
 Amie Feille. Bronzy crimson.  
 Anastasio. Pink, shaded magenta. 50 cents.  
 Aurora. Deep orange.  
 Bob. Fine crimson.  
 Brunette. Amber yellow, shaded with reddish brown. 50 cents.  
 Calliope. Orange yellow.  
 Golden Pheasant. Fine golden yellow, splendid form.  
 Henrietta Rimes. Pale sulphur.  
 Inimitable. Bright amber yellow; distinct. 50 cents.  
 Julia Lagravere. Deep velvety crimson.

La Fiancée. Pure white, finely fringed; finest for cut flowers.  
 Les Gobelins. Lilac, white centre.  
 Lilac Cedo Nulli. Lilac.  
 M. Schmidt. Yellow, edged with crimson.  
 Mad. de Paleville. Clear rose.  
 Mad. de Soulangis. Fine rose.  
 Mons. Miret. Yellow, crimson tip.  
 Princess Louise. Clear rose.  
 Ragozza. Rose, yellow edged.  
 Roi de Liliput. Maroon.  
 St. Michael. Very bright golden yellow; fine.  
 Virginia. Pure white, well formed. 50 cents.

### CISSUS DISCOLOR.

Unsurpassed in the rich marbling of its green and velvety purple leaves. It requires little water during winter, but in summer and autumn it grows vigorously and forms a superb plant. The leaves are much used for trimming the margin of bouquets and baskets. 30 cents; \$3 per dozen.

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Campsidium Filicifolium. An elegant climber. 50 cents.  
 Cereus. Night-blooming Cactus.  
 Dr. Regal's. Large. \$1.  
 Grandiflora. 75 cents.

Cestrum. Night-blooming Jasmine.  
 Aurantiacum. Orange; winter flowering. 20 cents.  
 Parqui. White; summer flowering. 20 cents.  
 Chorozema Varium. Orange and crimson flowers. 20 cents.  
 Citrus Mandarin. The favorite miniature orange. 50 cents to \$2.

### CLERODENDRON BALFOURI.

A hot-house climber of great beauty. The flowers are of a bright scarlet, encased by a bag-like calyx of pure white; the trusses or panicles of flowers are upwards of 6 inches in width, and when trained upon the rafters and hanging down, have a rich and elegant appearance. It can also be trained as a pot-plant, and is continually in bloom, although more profusely during the winter months. 25 cents; \$2.50 per dozen.

Clerodendron Speciosum. Like the preceding, with crimson flowers. 50 cents.

### COBAEA.

Handsomely free-flowering climbing plants, growing rapidly, with large bell-shaped flowers. They are among our best summer climbers, and are excellent for training in the green-house and conservatory.

Cobaea Scandens. Rapid grower, large purple bell-shaped flowers. 25 cents; \$2 per dozen.

Cobaea Scandens Variegata. Beautiful green leaves, variegated with yellow and white, large purple bell-shaped flowers, rapid grower. 50 cents; \$5 per dozen.

## HARDY CLEMATIS.

The improvement in this family within a few years surpasses everything of recent introduction in the hardy climbing plants. The effect produced by a well-grown plant is grand, being large in flower, rich in coloring, and produced in large quantities. For verandahs, fences, trellises, etc., of moderate height, they are most appropriate. They endure our severe winters exceedingly well, and in summer are covered with a continual mass of bloom.

**Alba Magna.** This is the finest of the early white flowering varieties, remarkably broad sepal'd flowers of pure white color. \$1.50.

**Albert Victor.** Deep lavender. 50 cents.

**Azurea Grandiflora.** Large azure blue flowers, 50 cts.

**Blue Gem.** The best carulean blue; choice. \$1.

**Comtess Lovelace.** Bluish lilac, rosette-shaped, forming a double flower. \$1.50.

**Coccinea.** Brilliant coral-scarlet bell-shaped flowers, blooming in the greatest profusion. 50 cents; 3 for \$1.

**Duchess of Edinburgh.** Very fine pure double white, scented. 75 cents.

**Flamula** (*Virgin's Bowyer*). Fine foliage, with small white flowers, in clusters; fragrant. 25 to 50 cents.

**Gem.** Deep lavender blue. \$1.

**Gipsy Queen.** Bright deep velvety purple. \$1.50.

**Jackmani.** Large, rich violet purple; very fine. 75 cts.

**Jeanne D'Arc.** White, striped blue, large. 50 cents.

**John Gould Veitch.** Fine double rosette-formed lavender blue. \$1.

**Lady Boville.** Light blue, cupped. 50 cents.

**Lanuginosa.** Very large, pale blue flowers. 50 cents.

**Lanuginosa Candida.** Tinted, grayish-white. 50 cts.

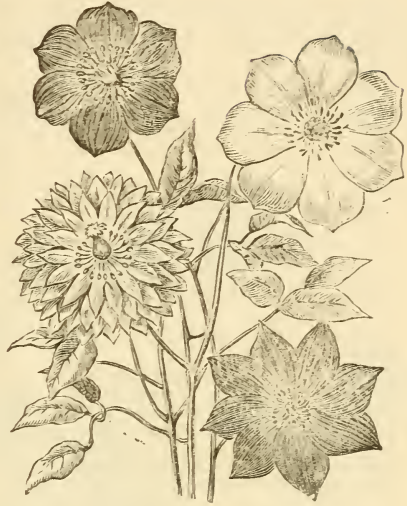
**Lord Londesborough.** Rich mauve, coppery red bar. \$1.

**Lucy Lemoine.** Double white rosette-formed, pale yellow anthers. \$1.

**Magnifica.** Reddish purple, with red bars. 75 cents.

**Miss Bateman.** White, with chocolate anthers. \$1.

**Mrs. Geo. Jackman.** Satiny white, creamy bar. \$1.



VARIETIES OF CLEMATIS.

**Mr. James Bateman.** Pale lavender. \$1.

**Princess of Wales.** Deep bluish mauve, satiny surface. 75 cents.

**Purpurea Elegans.** Deep purple violet; fine. \$1.

**Rubro-Violacea.** Large, rich purplish violet. 50 cts.

**Standishi.** Deep blue, profuse flowering. 50 cents.

**Stella.** Light violet, distinct plum-colored bar. \$1.

**Velutina Purpurea.** Blackish mulberry. \$1.50.

**Vesta.** White, creamy tinge over centre bar. \$1.

## COLEUS.

This plant is too well known to require much description, being deservedly popular plants. Whether grown as individual plants or for massing in ribbon-gardening, hardly anything is so desirable. The following list embraces the best old sorts and novelties of 1880. 15 cents; \$1.50 per dozen.

**Acme.** Broad foliage, golden centre, crimson veins.

**Albion.** Bright green, spotted with purplish black.

**Asa Gray.** Orange crimson, violet veins

**Beacon.** Black, brown and bright crimson veins, broad foliage.

**Beauty of Widmore.** Light green, chocolate centre and pink zone; dwarf.

**Bizarre.** Purplish crimson centre, edged golden yellow.

**Brilliant.** Bronzy crimson, dark veins and shadings, golden edge.

**Buttercup.** Marbled with bright green, pure yellow spots.

**Charm.** Yellow, tinged with bronzy scarlet.

**Climax.** Crimson centre, marbled maroon.

**Crown Jewels.** Claret-crimson, golden yellow margin.

**Excellent.** Green and nearly black leaves.

**Exquisite.** Violet carmine, broad lobed green margin.

**Golden Beauty.** Crimson, wavy, with golden edge.

**Golden Border.** Bright golden yellow, green spot.

**Idyl.** Veined with green and yellow, stained red.

**Kentish Fire.** Vermilion and crimson; deeply serrated.

**Kirkpatrick.** Large white centre, broad green margin.

**Lady Burrell; or, The Shah.** The lower half or base of leaf is rich violet crimson, the upper half golden yellow.

**Maroon Velvet.** Rich velvety maroon.

**Marvellous.** Brilliant crimson, marbled with yellow.

**Multicolor.** Rich shades of crimson, red and rose.

**Parroquet.** Yellow, maculated with crimson and green.

**Pictus.** Color rich brown, on a green or yellow ground.

**Queen Victoria.** Crimson, the brightest golden edge.

**Rainbow.** Bright blood-red crimson, yellow margin.

**Red Cloud.** Crimson and blackish brown.

**Seraph.** Fiery crimson, spotted with chocolate.

**Speciosa.** Green, with yellowish white central bar.

**Splendor.** Green, veined with light yellow.

**Superbissima.** Blackish maroon, purple band.

**Unique.** Yellow centre, marbled maroon.

**Venosa.** Yellow, marbled with dark crimson.

**Victor Lemoine.** Yellow, with broad crimson margin.

**Verschaffelti.** Rich velvet crimson; the well-known bedder.

## CONVALLARIA—Lily of the Valley.

One of the most charming of our spring-flowering plants, whose slender stems set with their tiny bells, diffusing a delicious odor, have rendered it a universal favorite. They are entirely hardy, and delight in a shady, well-enriched border. Roots deliverable until April, and after September 1st.

**Majalis.** Single, white. 10 cts.; \$1 per dozen. | **M. Flore-Pleno.** Double, white. 15 cts.; \$1.50 per doz  
**Variogated.** Golden striped. 25 cts.; \$2.50 per dozen.

## CROTON.

Ornamental plants with the richest variegated and spotted foliage. They should find a place in every collection of plants; suitable for baskets, vases, fern and warden cases.

- Andreanus.** Very neat habit and free growth, its colors exquisitely. \$1.00.
- Aucubæfolium.** Green, spotted with yellow, like an *Aucuba*. 50 cents.
- Challenger.** The variegation is very striking; midribs are at first creamy white, which gradually become suffused with red, finally deepening to bright carmine. \$1 to \$2.
- Disraeli.** A new and distinct variety, with trilobate leaves, deep green inoculated with orange-red. 50 cents to \$1.
- Earl of Derby.** Bright yellow stem, the midribs are of the same rich color, which gradually deepens with age until they become suffused with red. \$2.50 each.
- Interruptum.** Very long wavy foliage, with red midribs. 25 to 50 cents.
- Irregularis.** Long green foliage, broad yellow midrib. 50 cents.
- Johannis.** Very long, narrow, drooping foliage. \$1.
- Mooreana.** The midrib and margin of leaf are of a clear orange, with the blade crossed with parallel bands and stripes of the same color upon a deep green ground. 50 cents to \$1.
- Maximum.** Very large, broad leaves, mottled green and yellow. 50 cents to \$1.
- Ovaliformis.** Oval-shaped green and yellow leaves. \$1.
- Princess of Wales.** Long creamy yellow midrib, variegated foliage. \$2.50.
- Queen Victoria.** The leaves are from 9 to 12 inches long, about 2 inches broad; the ground color is of a rich golden yellow, beautifully mottled with green; the midrib and veins are a rich magenta changing with age to a vivid crimson, a showy variety. 50 cts. to \$3.
- Rubrum Pictum.** Green, yellow and orange-red. 50 cents to \$1.
- Undulatum.** Dark green and orange, undulated margin. \$1.
- Variegatum.** Large green and yellow leaves. 25 to 50 c.
- Veitchi.** Long foliage of creamy yellow changing to rose and carmine. 50 cents.
- Volutum.** Deep green, golden bar through centre; in form like a ram's horn. \$1.
- Weismanni.** Long, narrow leaves of yellow margined with green. \$1.
- Williamsi.** Red tinted leaf with central band yellow. \$1 to \$2.
- Youngi.** Leaves 18 inches long; distinct and noble foliage, surface dark green with creamy yellow and bright rosy red. 50 cents.

## CYPERUS ALTERNIFOLIUS.

A fine grass-like plant, forming a mass of reedy stems with broad tufted heads, very desirable for baskets, vases, or as an aquarium plant. 20 cents.

**Cyperus Alternifolius Variegatus.** Similar to the above, with variegated leaves. 50 cents.

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- Coprosma Baueriana Variegata.** Bright glossy green leaves, shaded with yellow. 50 cents
- Cuphea Hyssopifolia.** 15 cents; \$1.50 per dozen.
- Cuphea Platycentra (Cigar Plant).** 15 cents; \$1.50 per dozen.
- Cyclamen Persicum.** 30 cents; \$3 per dozen. For other sorts, please see Bulb Catalogue.

## DAPHNE INDICA ALBA.

A green-house plant, producing rosy-white flowers, very fragrant; desirable for brides' bouquets, etc. 50 cts. to \$1.

## DELPHINIUM FORMOSUM—Hardy Perennial Larkspur.

Large, bright-blue, white centre. This is among the finest hardy herbaceous plants in cultivation, flowering in tall spikes of the most brilliant blue; if not allowed to produce seed, it will flower from July to November. 20 cts.; \$2 per dozen.

## DRACÆNA—Dragon Tree.

One of the most desirable of our ornamental foliage plants for decoration, either in or out-doors, as it does not appear to suffer under the dry atmosphere of rooms; and in a partially shady situation stands remarkably well during the summer out of doors. Its bright-colored crimson and scarlet-shaded foliage renders it very useful for the window-garden, planted as a centre-piece in a rustic stand, jardiniere, or window-box, or for summer decoration in vases, ornamental beds, etc. It thrives best in a light rich soil, composed of leaf-mould, sand, loam and thoroughly decomposed manure.

- Amabilis.** Green, white and pale violet; strong. \$1.
- Baptisti.** Green, creamy-white flakes flushed with rose. \$1.
- Braziliensis.** Broad green foliage, strong. 50 cts.
- Cooperi.** Broad drooping leaves, dark purplish green and crimson. 50 cents to \$1.
- Ferrea.** Dark bronzy red. 50 cents to \$1.
- Goideana.** Irregularly banded with dark green and silver gray in alternate straight bands. \$5 to \$20.
- Hybrida.** Deep green, margined with bright rose, suffused with deep rose and creamy white. \$1.
- Mooreana.** Reddish crimson mid-rib and stalk, glossy bronze leaf. \$1 to \$3.
- Nigro-Rubra.** Brown, centre crimson; shaded rose. \$1.
- Porphyrophylla.** Oblong leaves, bronzy green. 50 to \$1.
- Schottæ.** The young leaves are freely variegated with pink and creamy white, flushed with yellowish green. \$1.
- Shepherdii.** Dark green; paler green stripes and bronzy orange hue; splendid. \$1.
- Terminalis.** Rich crimson foliage marked with pink and white. 30 cents to \$1.
- Youngi.** Light green changing to copper color. \$1.

## DRACÆNA-CORDYLINA.

- Australis.** A very long, narrow, graceful foliage. 50 cts.
- Indivisa.** Long foliage; green, graceful. 50 cents.
- These sorts are well adapted for centres of large vases.
- Veitchi.** Long foliage, brown streaks. 50 cents.

## DAHLIA.

The best time for planting is after the first of May for the tubers, and the plants may be set out as late as the 10th of June. They delight in a rich, sandy loam, highly manured with decomposed cow manure. To insure perfect flowers, mulch during the summer with short manure. Thin out superfluous branches, and keep them well tied up to strong stakes, firmly driven in the ground. The roots can be preserved during the winter in dry sand, free from frost, damp, or fire-heat.

## New Large Flowering Varieties.

The following collection has been selected from the latest introductions, excelling in color, form and habit, and can be highly recommended from trials on our own grounds.

Plants only of the following ready April 1st. 50 cents.

- Blumenfalter.** Pure rose, quilled like an Aster.  
**Elegant.** Yellow, striped with red; fine form.  
**Glorie de Guiscard.** White, shaded and tipped with red.  
**Mad. Anna.** White, border of purplish rose.  
**Negro Boy.** Blackish purple, shaded maroon; large.  
**Parrot.** Yellow, striped with orange.  
**Queen's Messenger.** Lively purple, fine form.  
**Rival.** Rosy purple, round form.  
**Rob Roy.** Orange, shaded with yellow and crimson.  
**Souv. de Mad. Moreau.** Very large carmine, rose-shaded white; fine.

## General Collection of Large Flowering Varieties.

Large ground roots or plants, 25 cents; \$2.50 per dozen; \$20 per 100.

- Adeline.** White, tipped with crimson.  
**Amazement.** Yellow, striped with crimson.  
**Amazon.** Primrose, full centre.  
**Amorette.** Light rose, edged with lilac.  
**Autumn Glow.** Orange salmon, buff edge.  
**Beppo.** Primrose, tipped with scarlet.  
**Bicolor.** Lilac striped, dotted with maroon.  
**Bila Bila.** Aurora, yellow base.  
**Bird of Passage.** White, tipped with carmine.  
**California.** Pure yellow.  
**Canary Bird.** Canary yellow.  
**Dandy.** Maroon, striped with lilac.  
**Defiance.** Pale yellow, tipped with white.  
**Donald Beaton.** Purple.  
**Elizabeth.** Lilac, striped with purple.  
**Emily.** White, with lavender edge.  
**Fanny Purchase.** Bright yellow.  
**Fascination.** Deep rosy lilac.  
**Favorite.** Pure white, dotted with purple.  
**Flora.** Deep purplish lilac.  
**Frank Smith.** Maroon, tipped with white. 50 cents.  
**Gladiator.** White, broad maroon margin.  
**John Kirby.** Buff.  
**Lady Atkins.** Fine dark scarlet.  
**Lady Herbert.** White, edged crimson.  
**Lady Jane Ellis.** Creamy white, tipped with rose.  
**Lady of the Lake.** Blush, edged purple.  
**Leah.** Orange yellow.  
**Lord Napier.** Bright purple.  
**Magdala.** Fawn, striped and spotted with maroon.  
**Mantes de la Ville.** Rosy lilac.  
**Marie Bersaud.** Orange scarlet.  
**Marquis de Beaumont.** White, tipped with rose.  
**Melly.** White, tipped with purple; fine form.



- Mr. Dix.** Dark crimson red.  
**Mrs. Bond.** Crimson, shaded with scarlet.  
**Mrs. Kuth.** Yellow, tipped with white.  
**Mrs. Thompson.** Yellow, striped with purple.  
**Mrs. Wm Piggott.** Pure white.  
**Nero.** Maroon; perfect.  
**Oblata.** Pure white.  
**Ovid.** Brilliant purple; good form.  
**Penelope.** Blush white, faintly striped with purple.  
**Princesse Mathilde.** Pure white; dwarf.  
**Rev. J. B. M. Camm.** Yellow, flaked red, very large and constant.  
**Rosini.** Bright rose, full centre.  
**Rover.** Deep scarlet, shaded with maroon; extra fine.  
**S. Sickmann.** White, edged with maroon.  
**Sunbeam.** Carmine, striped maroon.  
**The President.** White, lightly tipped with purple.  
**Unique.** Fine yellow.  
**Vesta.** Pure white.  
**Virgo Maria.** Pure white.  
**Wacht am Rhein.** Maroon.

## DAHLIA—New Liliputian or Bouquet Varieties.

The term "Liliputian" applies to the flowers, not the plants. They are distinguished by a profusion of elegant miniature blossoms, remarkable for symmetry of form and beauty of colors. Useful for bouquets and baskets of cut flowers. Plants only, ready April 1st. 50 cents.

- Alma Sonntag.** Pure white, elegant form.  
**Brautschenschmuck.** Very small white flowers one inch in diameter.  
**Hindoo.** Bright orange red, scarlet centre.  
**Ida Fisher.** Pure white, full centre.  
**J. C. A. Stanze.** Orange yellow.  
**Pearl d'Or.** Lake red, tipped with yellow.

- Princess Liebreiz.** Orange buff, good form.  
**Theo. Heymann.** Very dark red.  
**Tijo Wulle.** Cochineal red, closely built cells.  
**Uermuedliche.** Lively rose, spotted purple.  
**Venus.** Crimson, shaded with purple.  
**Wm. Buchner.** Lilac, tipped yellow.

## General Collection Liliputian Dahlias.

Ground roots or plants 25 cents ; \$2.50 per dozen.

Ajax. Pure white.	Gem of the Liliput. Dark scarlet.
Deutscher Goldmeteor. Golden yellow, broad crimson margin.	Gold Pheasant. Yellow, tipped with crimson.
Deutscher Turnergruss. Crimson scarlet, edged with white.	Kleine Domitea. Buff yellow, marked with red ; fine.
Deutscher Zellenmeister. Pure scarlet.	Kleiner Preusse. White, edged with maroon.
Deutsche Jugendfuëlle. Rose.	Kleiner Rufus. Maroon.
Deutsche Mædchenliebe. Lilac.	Little Najade. Rose, edged with crimson.
Dr. Schwebbs. Deep scarlet.	Little Prince. Currant-red, tipped with white.
Dr. Webb. Rich scarlet, medium size.	Little Wonder. Scarlet ; a charming variety.
	Una. Pure white.

## DIEFFENBACHIA.

Baraquin. Waxy-like stems and ribs. 25 to 50 cents.	Picta. Light green leaves, prettily spotted with white. 25 to 50 cents.
Bausei. Beautiful mottled foliage. 50 cents.	Weiri. Leaves marbled with yellow. 50 cents.
Brasilienis. Very striking variegation, deep green leaf beautifully marked and mottled with small blotches of greenish yellow and white. \$1.	

## DIELYTRA SPECTABILIS—Dicentra.

A hardy herbaceous plant, adapted to out-door planting or forcing for early spring blooming. It produces racemes of delicate pink and white heart-shaped flowers, in the open ground, in April and May. 25 cents.

## DIONCEA MUSCIPULA—Fly Catcher.

This curious plant, called "Venus' Fly Trap," is a native of North Carolina ; the ends of the leaves are very sensitive, owing to the delicate, hair-like organs on the inner surface, close as soon as they are touched by an insect or any light substance ; grow in very sandy peat, in pots well drained and covered with moss. Give it a strong moist heat and shade. 30 cents.

## EPIPHYLLUM TRUNCATUM—Lobster-leaved Cactus.

A very useful winter-flowering plant, flowers in different shades of purplish crimson to scarlet. Our stock is grafted on the Pereskia stock, and will succeed where those on their own roots fail : the plants are large and bushy, two and three years old. 75 cents to \$1.

Cruentas. Brilliant crimson.

Salmonium. Salmon.

Salmonium Coccineum. Salmon scarlet.

Spectabilis. Magenta scarlet.

Truncatum. Salmon red.

Violacea. Violet.

## ERYTHRINA CRISTA-GALLI—Coral Plant.

A magnificent plant, producing its scarlet and crimson pea-shaped flowers on spikes 18 inches long. Plant them in the garden in May, and they will flower profusely three or four times in the course of the summer. They may be taken up in the fall, and kept in perfect preservation during the winter in a dry cellar, the roots covered with half-dry earth. 25 to 50 cents, according to size.

## ERIANTHUS RAVENNÆ.

A perfectly hardy Ornamental Grass, from 9 to 12 feet high, throwing up from thirty to fifty flower-spikes. It resembles the Pampas Grass, but blooms much more abundantly, and with the advantage of being hardy, making it a desirable plant for the decoration of lawns. 20 cents ; clump, 75 cents.



EUCHARIS AMAZONICA.

## EUCHARIS AMAZONICA.

A splendid hothouse plant, blooming nearly the entire season. It sends up stalks bearing several pure white, star-shaped flowers, 4 inches across, delightfully fragrant. It is very highly prized in bouquets, baskets, etc. 50 cents to \$1 ; \$5 to \$10 per dozen.

## EULALIA JAPONICA VARIEGATA.

A very graceful, tall, ornamental, hardy plant from Japan. Long narrow leaf blades, striped green, white and often pink or yellow. It throws up stalks from 4 to 6 feet in height, terminated with a cluster of flower spikes ; the flowers are surrounded by long silky threads, which, when fully ripe, expand not unlike an ostrich feather when curled. These dry flowers are valuable as parlor ornaments, as they retain their beauty for a long time. 30 cents ; \$3 per dozen. Clumps, 75 cents ; \$9 per dozen.



## EULALIA JAPONICA ZEBRINA.

This variety resembles the preceding in hardness, growth and bloom, excepting the long blades are marked with broad yellow bands across the leaf instead of longitudinally. Its markings are unlike anything that we know of in cultivation. It makes a very attractive specimen plant for the lawn, and will not fail to arrest attention. 30 cents. Clumps, \$1.

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**Fcheveria Metalica.** Large shell-like leaves of a beautiful metallic lilac hue. 30 cents.

**Euonymus Latifolia Aurea Var.** 30cts.

**Euonymus Radicans Variegata.** Hardy, small, glossy, pea-green leaves, deeply margined with creamy white, running habit. 20 cents.

**Eupatorium Riparium.** White flowers. 25 cents.

**Euphorbia Jacquiniflora.** 25 cents.



EULALIA JAPONICA ZEBRINA.

## FUCHSIAS—General Collection.

The Fuchsia or "Lady's Eardrop" constitutes certainly one of the most graceful tribes of plants. They all require a shady situation during the summer months, and must not become pot-bound before flowering; the best soil is a rich sandy loam, or equal parts of loam, sand and manure thoroughly decomposed. The following have been selected and retained as the best.

Young, thrifty plants. 20 cents; \$2 per dozen.

## Double Corolla Varieties.

**Alpha.** Fine double purple corolla; crimson sepals.

**Avalanch.** Violet corolla; carmine tube and sepals.

**Champion of the World.** Coral red sepals, purple corolla.

**Elizabeth Marshall.** Double white corolla; crimson tube and sepals.

**Elm City.** Crimson sepals; fine dark-purple corolla.

**Emperor of Brazil.** Crimson tube; purple corolla.

**Graf Andrassy.** Dark violet-purple corolla; crimson sepals.

**Kingsburyana.** Bright red tube and sepals; double white corolla.

**Marksman.** Extra large dark-purple corolla; crimson sepals.

**Misai.** Tube and sepals coral red; finely reflexed, violet corolla.

**Mons. Fillon.** Crimson sepals; dark violet-purple corolla.

**Mrs. H. Cannell.** White corolla, carmine sepals.

**Prince Leopold.** Crimson sepals; double purple corolla.

**Princess of Wales.** Crimson sepals; creamy white corolla.

**Purple Prince.** Scarlet sepals; purple corolla; fine.

**Snow-White.** Coral red tube, large white double corolla, very free, early; splendid.

**Tower of London.** Scarlet sepals; double purple corolla.

## Single Corolla Varieties.

25 cents; \$2.50 per dozen.

**Annie Lustre.** Sepals and tube white, corolla crimson.

**Arabella.** White tube and sepals; rose corolla; early.

**Aurora Superba.** Sepals and tube salmon, corolla scarlet.

**Black Prince.** Tube and sepals bright waxy carmine, sepals tipped pale green, large open, pale pink corolla.

**Conspicua.** Crimson tube and sepals; pure white corolla.

**Covent Garden.** White tube and sepals.

**Crown Prince of Prussia.** Dark tube and sepals, blue corolla.

**Earl of Beaconsfield.** The tube and sepals are of a light rosy carmine, deep carmine corolla, three inches long.

**Elegans.** Dark corolla, crimson tube and sepals.

**Electric Light.** White tube and sepals; rose corolla.

**Emily Ney.** White tube and sepals, shaded purple corolla.

**Golden Fleece.** Golden, scarlet and purple flowers.

**Lord Byron.** Tube and sepals crimson, bell-shaped, almost black corolla, one of the darkest known.

**Lustre.** Vermilion corolla; white sepals. Early.

**Miss Arthur.** Blush sepals; orange-salmon corolla.

**Rose of Castle.** Blush white; purplish rose corolla.

**Speciosa.** Orange carmine; winter-flowering.

**Standard.** Rosy pink tube; rich violet-purple color corolla.

**Starlight.** Waxy-white tube and sepals; rosy corolla.

**Star of Wilts.** Tube and sepals cream color; corolla violet.

**Sunray.** Variegated like a tri-color geranium.

**Virgile.** Crimson tube and sepals; white corolla; early.

**Wave of Life.** Bright yellow foliage, rich scarlet tube and sepals, with bright violet-blue corolla.

## FUNKIA—Day Lily.

Hardy Herbaceous Plants, with lily-like flowers, blooming in August.

**Alba.** Large, pure white, fragrant flowers. 25 cents.

**Cucullata Variegata.** Beautiful clear green leaves, marbled with the purest white, blue flowers; requires shade. 30 cents.

**Cœrulea.** Blue flowers, broad dark green leaves. 20cts.

**Lanceolata Marginata.** Light green leaves, margined with white. 30 cents.



MICROLEPIA HIRTHA CRISTATA.

## FERNS.

Our collection embraces the leading sorts of this beautiful class of plants; their graceful and great diversity of foliage make them much valued for Wardian cases, Ferneries and rock-work where there is moisture and shade; the stronger varieties succeed well when planted out in shade and moisture. 20 cents; \$2.00 per dozen, except where noted.

Adiantum. ( <i>Maiden Hair</i> .)	Gymnogramma. Chrysophylla. ( <i>Golden Fern</i> .)	Nephrolepis Duffi (new). Compact elegant habit. 50 cents.
Amabile.	Peruviana Argyrophilla. Finest silver fern.	Tuberosa.
Assimile.	Decomposita.	Polypodium Aureum.
Capillus Veneris.	Sulphurea. ( <i>Sulphur Fern</i> .)	Pteris Argyrea. A very showy strong-growing fern, with variegated foliage; excellent for interior or outside decoration.
Concinnum Latum.	Lomaria Gibba. 50 cents.	Cretico Albo Lineata.
Cuneatum.	Gibba Crispa. 75 cents.	Hastata.
Decorum.	Lygodium Scandens. ( <i>Yaponicum</i> .) A climbing Japanese fern of great beauty.	Nemoralis.
Farleyense. 50 cts to \$1.	Microlepia Hirtha Cristata (new). An elegant crested fern of good habit and growth. 50 cents.	Palmata.
Formosum. 50 cents.	Nephrolepis Exaltata. Strong grower. 25 to 50 cents.	Serrulata.
Gracillimum. 50 cents.	Davallioides Furcans. A beautiful and ornamental crested fern of easy culture.	Serrulata Cristata.
Pubescens.		Tremula.
Seemani. 75 cents.		Tricolor. Very rich crimson veins. 50 cents.
St. Catherinæ.		Sitilobium Circutarium. Strong grower.
Trapeziforme. 50 cents.		
Alsophila Australis. Australian tree fern. \$1 to \$2.		
Asplenium Belangeri.		
Cyrtomium Falcatum.		
Davallia Mooreana. 50 cents.		
Dicksonia Antarctica. Australian tree fern. \$2.		

## FICUS—India Rubber Plant.

A fine plant, very popular, not only in the hothouse but as a decorative plant for the drawing-room or flower-garden. Its thick leathery leaves make it especially valuable in consequence of doing perfectly well in the dry air of inhabited rooms.

- Chauveri.** Foliage much larger and broader than *F. elastica*, cream-colored midrib. \$1.50.  
**Cooperi.** Another variety, with narrower leaves than *F. elastica*, with red midrib. \$1.50.  
**Elastica.** The old and favorite sort. Fine large shining foliage. \$1 to \$1.50.  
**Parcelli.** Large leaves, beautifully marbled with bright green and white. The plant is of free growth and extremely effective. 50 cents.  
**Repens.** A fine creeper for green and hothouse decoration. 25 cents.

## FARFUGIUM GRANDE.

A first-class ornamental plant for pots, well adapted to house culture. The leaves are thick and leathery, dark green, with yellow spots; nearly hardy. 25 cents.

## GARDENIA—Cape Jasmine.

Are desirable for their pure white and delightfully fragrant flowers; blooming in May, June and July, at a season when pure white flowers are scarce; they are highly prized in Bride's Bouquets, Wreaths, etc. 25 to 50 cents.

Camellia Flora.

| Florida.



FARFUGIUM GRANDE.

## ZONALE GERANIUM—General Collection.

This plant is so admirably adapted for bedding purposes in our hot climate, that it is cultivated perhaps in larger quantities than any other plant. So many improvements in this class of plants have been recently made, that we believe the present revision of the list offers a collection unsurpassed in this country—habit, color, growth, and all points duly considered. 20 cents: \$2 per dozen.

**Adam Kock.** Fiery scarlet; immense truss, more compact than "General Grant."

**A. Henderson.** Scarlet crimson; fine white eye

**Alcibiade.** Red salmon, and shaded clear violet.

**Beauty of Kingessing.** Pure white, large salmon centre; immense truss.

**Belisaire.** Salmon, veined crimson, shaded carmine; large truss.

**Comte de Gomer.** Brilliant scarlet; clear white centre.

**Corsair.** Very large bright scarlet; fine form.

**Dazzler.** The richest scarlet, very large white eye.

**Depute Davaux.** Very rich velvety-purple crimson; beautiful.

**Dr. Andry.** The finest salmon bedder.

**Dr. Bagueris.** Salmon orange, edged with pure white.

**Dr. John Denny.** Purplish-violet, with crimson scarlet spot.

**Dr. Orton.** Rich dark satiny crimson; large trusses.

**Eckmann Chatrian.** Intense blood-red.

**General Chaney.** Violet rose, new shade; extra.

**General Grant.** Dazzling scarlet; enormous truss.

**General Sherman.** Crimson scarlet; very large.

**Guinea.** The nearest approach to yellow yet sent out.

**Illustre Citoyen.** Deep orange flowers, lilac centre.

**Jealousy.** Large salmon-yellow flowers, of fine form and size.

**Jean D'Arc.** Pure white.

**John Sisley.** Rich shade of scarlet, white eye.

**John Salter.** Salmon, tipped with white.

**Jules Croles.** Purplish-scarlet.

**La Vienne.** The purest white, pale stamens; splendid.

**Leveson Gower.** Largest salmon flower, size and form.

**London.** The largest pips; truss large; color dazzling scarlet.

**Lord Gifford.** Crimson scarlet, with distinct white eye.

**Marvellous.** Dazzling scarlet, clear white eye.

**Master Christine.** The best pure pink bedding geranium.

**Mrs. George Smith.** The most beautiful salmon.

**New Life.** White and scarlet-striped; very attractive.

**Niobe.** Beautiful soft cerise, finely-shaped pips.

**P. L. Courier.** Very large orange-red.

**Prima Donna.** Pure white.

**Princess of Wales.** Immense truss of orange-salmon. An excellent bedder.

**Purity.** Pure white.

**Rev. Mr. Atkinson.** Dark crimson truss of immense size.

**S. Spinner.** Cerise scarlet; very fine.

**Snow.** Snowy white.

**Venus.** White; dwarf bedder.

**Vesta.** Cherry crimson, suffused with purple.

**White Princess.** The best white bedder.

## DOUBLE-FLOWERED IVY-LEAVED GERANIUM.

This interesting class of geraniums is presenting yearly many novelties; they are especially adapted to pot-culture, either trained on trellises or grown as trailing plants in hanging baskets. 20 cents; \$2.00 per dozen.

**Bijou.** An extremely attractive hybrid variety, with large full double flower trusses of a bright scarlet color.

**Koenig Albert.** Fine double violet rose flowers.

**La Fiancee.** Bright lilac double flowers.

**Lucie Lemoine.** White, tinged with rosy lilac double flowers.

**Rosina.** Pale pink, crimson markings.

**Sarah Bernhardt.** Large double white flowers, veined with crimson. 25 cents.

**Vesta.** Delicate blush, rayed crimson.

## SINGLE-FLOWERED IVY-LEAVED GERANIUM—L'Elegante.

The foliage is beautifully edged with creamy white, large white flowers, useful, from their drooping growth, for vases, rustic or suspended baskets, rockeries, and trained on trellises in pots. 20 cents; \$2.00 per dozen.

## VARIEGATED FOLIAGE GERANIUM.

As an ornament for the parlor or conservatory or for bedding purposes, nothing excels this class of beautiful plants; the flowers are quite attractive in addition to the richness of foliage. 25 cents; \$2 per dozen.

**Black Douglas.** Golden bronze type. Splendid dark zone, on a fine yellow ground; scarlet flowers.

**Happy Thought.** Quite a new feature in Geraniums, differing from the ordinary forms in having a large yellow blotch in the centre of the leaf, with an outer band of green at the margin; flowers rich magenta rose; habit dwarf. A good bedder, novel and universally admired.

**Marshal MacMahon.** Golden bronze type. Fine bold leaf; broad zone of chocolate on golden yellow ground; one of the best and most effective.

**Mrs. Pollock.** One of the most beautiful of the golden tricolor class, bronzy-scarlet zone, golden edge, scarlet flowers.

**Mountain of Snow.** Silver edge, vigorous grower.

**Perfection.** Broad silver edge; vigorous.

## DOUBLE-FLOWERED ZONALE GERANIUM.

The revised list of this year includes only the best of recent introductions, excelling in their free-blooming qualities; the improvements made in this respect and in color have been very decided, so that this class of Geraniums flower as freely as the single varieties. Price 20 cents; \$2 per dozen. Large show plants in May or June, 50 cents.

- Alba Perfecta.** Large double white, immense truss. 30 cents.  
**Anatole de la Forge.** Fine magenta.  
**Aretusa.** Fine large vermillion.  
**Aug. Poirier.** Color salmon rose, with bright orange centre, distinct in color. 30 cents.  
**Bishop Wood.** Scarlet and carmine.  
**Candidissima Plena.** Finely formed flowers of snowy-white.  
**Cheerfulness.** Flesh pink, shaded and mottled rose, extremely double; petals somewhat fluted or fringed. 30 cents.  
**Conrad Kirchner.** Brilliant scarlet, white centre.  
**Cremieux.** Finest scarlet.  
**Dame Blanche.** Large pure white. 30 cents.  
**Deputy Ancelon.** Dark violet rose.  
**Deputy Lafize.** Dark vermillion-purple, very rich color.  
**Deputy Varroy.** Carmine.  
**Deufert Rochereant.** Fine salmon. 50 cents.  
**Dr. Jacoby.** Nankin salmon.  
**Ed. About.** Salmon flaked with white.  
**Ed. Andre.** Large bright red flowers deeper in centre, shaded with lilac. 30 cents.  
**Elizabeth Gerbeaux.** Brilliant salmon, white margin. 50 cents.  
**Emile de Girardin.** Beautiful rose.  
**F. P. Raspail.** Rich crimson, scarlet pips.  
**Gambetta.** Dark red. 50 cents.  
**La Constitution.** Brilliant orange salmon.  
**Lafayette.** Carmine lake, dwarf, compact growth; large truss.
- Litre.** Large flowers of rosy violet.  
**Mad. A. Baltet.** One of the best double whites.  
**Mad. Grandgeorge.** Carmine cherry; extra large truss.  
**M. Machet.** Reddish orange, lower petals marked with salmon rose.  
**M. Maller.** Large flowers of dazzling scarlet, very showy.  
**Mad. Thibaut.** Pink, white blotches on upper petals; extra.  
**Mad. Thiers.** Very large double white, fine form and substance.  
**Mons. Buchler.** Deep purple.  
**M. G. Lowagie.** Very bright vermillion.  
**Nœmie.** Blush pink, white centre; fine.  
**Paul Bert.** Fine violet rose color, large truss and flowers; fine habit. 30 cents.  
**Purpurea.** Rich purplish-scarlet.  
**Remarkable.** Very rich deep magenta, a distinct free flowering sort. 30 cents.  
**Richard Brett.** Large trusses of a peculiar orange color, very double. 30 cents.  
**Robt. Buist.** Brilliant crimson.  
**Rubis.** Rich deep claret, very dwarf and free. 30 cts.  
**Scintillant.** Very large, bright scarlet.  
**Summit of Perfection.** Scarlet back of petals shading to white.  
**Thumbwhite.** Carmine, some petals spotted with white. 30 cents.  
**Vicomte Gondrecourt.** Long petals of reddish nankin yellow. 30 cents.  
**William Hamilton.** Rich deep crimson, bright maroon shadings. 30 cents.

## HYBRID BEDDING AND SCENTED-LEAF GERANIUM.

15 cents; \$1.50 per dozen.

- Capitatum.** Rose-scented.  
**Capitatum Major.** Large leaf; rose-scented.  
**Denticulatum.** Cut leaf; rose-scented.  
**Denticulatum Fernifolia.** Fern leaf; rose-scented.  
**Lady Plymouth.** Variegated white-and-green leaved; rose-scented geranium.  
**Lemon-Scented.**  
**Macbeth.** Oak-leaved; with bold foliage; large scarlet flowers.  
**Multiflorum Compactum.** Silver-gray leaves, rose-colored flowers.
- Mrs. Taylor.** Scarlet-flowered rose geranium; deep scarlet flowers of the hybrid perpetual class, combined with the fragrant foliage of the scented class.  
**Odoratissimum.** Apple-scented, spicy apple perfume.  
**Peppermint-Scented.**  
**Quercifolium Nigricans.** Oak-leaved, veined black.  
**Shrubland Pet.** Dwarf; sweet-scented; scarlet flowers.  
**Variegated Rose.** Variegated green-and-white, edged with pink.

## GESNERA—Nægelia.

The value of Nægelias as decorative plants can scarcely be overestimated. Most of them have rich, velvet-like foliage, which, in the respective kinds, varies from green to crimson, while their pyramidal spikes of blossoms are extremely handsome. They require plenty of moisture at the roots when established, but none on the foliage. The tubers are kept dry in pots during the winter until March, and then started in pots.

- Cooperi.** Green leaves; bright scarlet flowers with spotted throat. 75 cents.  
**Eucodonia Lilacinella.** Bright green leaves; delicate lilac flowers, marbled with a deeper color, yellow throat. 75 cents.  
**Nigrescens.** Dark red velvety leaves; flower dark red, throat light orange. 75 cents.  
**Refulgens.** Violet shaded with brown, throat white, with large chamois spots. 75 cents.  
**Zebrina.** Light rose-colored flowers with orange throat. 50 cents.

## FRENCH HYBRID GLADIOLUS.

They are the most stately and effective of our summer flowering bulbs. The colors comprise the most brilliant of orange, scarlet, and vermillion tints upon yellow and orange grounds, including a graduated scale of intermediate shades, from white and rosy blush and salmon rose tints, to a salmon red and nankin; from blush-white with purple-crimson throat, and marginal streak of pink, to light rosy salmon grounds with flakes of deep carmine. A succession of bloom may be had from July to September, by planting at intervals from April to June, preserving the

FRENCH HYBRID GLADIOLUS—Continued.

strongest bulbs for the latest planting. Their culture is very simple; they will grow in any ordinary garden mould, but succeed best in good earth, manured with well-rotted horse-dung. The bulbs are taken up in the fall and placed in a dry cellar, protected from frost.

Gladiolus in Assortments—Invariably our Selection.

We have made these selections with reference to contrast of colors, time of flowering, and quality of bloom, and will serve as a guide to those unacquainted with the sorts. The seedlings offered abound in the finest varieties, which compare favorably with the higher-priced named sorts. The mixtures contain many good sorts.

No.	Price.
A—12 varieties named.....	\$1 00
B—12 “ “.....	2 00
C—12 “ “.....	3 00
M—12 “ mixed.....	75
N—12 “ “ light colors.....	1 00
O—12 “ “ seedlings.....	1 00
P—12 “ “ very choice.....	1 50
Q—100 “ “.....	3 50
R—100 “ “ light colors.....	6 00

Not less than 50 at 100 rates.

Named Varieties.

On purchaser's selection a discount of ten per cent. from catalogue prices will be made when one dozen varieties are selected. Twenty per cent. on one hundred varieties.

	Price.
Adonis. Rosy salmon, carmine margin.....	10
Apollon. Rosy lilac, large stain of rose.....	50
Aristote. Rose, crimson stripes.....	10
Arsinoe. Fine satin rose, flamed with bright crimson.....	20
Bernard de Jussieu. Violet, shaded cherry and purple.....	15
Bijou. Cherry, flamed scarlet.....	15
Brenchiliensis. Rich scarlet.....	10
Calypso. Rose, blotched with carmine.....	15
Canary. Clear yellow, shaded with rose.....	20
Canova. Long spike of very large white, carmine spotted flowers.....	75
Celine. White and rose ground, carmine stripes.....	20
Ceres. Pure white, stained with purplish rose.....	20
Charles Dickens. Light rose, blazed and striped with carmine rose.....	25
Cherubini. Large flower, perfect shape, blazed with carmine violet.....	20
Citrus. Light yellow, lower petals dark yellow.....	30
Cleopatra. Lilac, tinged with violet.....	20
Colbert. Red, white blotch.....	20
Couranti Fulgens. Dark crimson.....	10
Delicatissima. White, slightly tinged with carmine lilac.....	50
Diana. White, flaked with red.....	20
Don Juan. Orange and fire-red.....	10
Dr. Lindley. Light rose, blazed with cherry.....	30
Duc de Malakoff. Orange red, blazed with lighter stripes.....	20
Edith. Rose carnation, dark stripes.....	15
Eldorado. Pure yellow, red stripes.....	20
Erat. Pale rose, carmine stains.....	25
Etendard. White, blazed with lilac.....	35
Eva. White, slightly tinged with rose and pale lilac.....	75
Felicien David. Cherry rose, striped with light carmine, on large white ground.....	60
Fulton. Transparent velvet-like vermilion, bright purple stain, large flower.....	15
Galathe. White, carmine stains.....	20
Goliath. Light red, carmine stains.....	15
Horace Vernet. Bright purple red, large pure white blotch.....	50



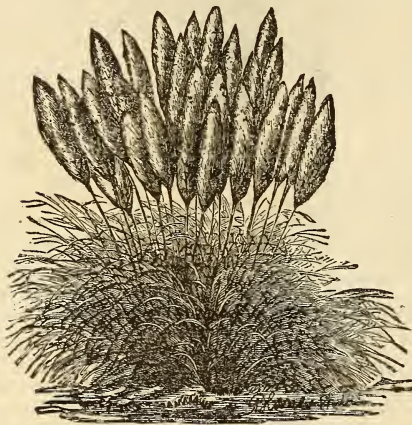
GLADIOLUS.

	Price.
Henrietta. White, tinted and blazed with lilac; dwarf.....	50
Ida. White, tinged with rose, large flower.....	10
Imperatrice. Blush, striped purple.....	15
Isoline. Pale flesh, violet stain.....	25
Imperatrice Eugenie. White, blazed with rosy violet; large flower, perfect shape.....	40
James Carter. Orange red, pure white throat.....	10
James Watt. Bright vermilion, large pure white stain, striped with purple.....	30
Jeanne D'Arc. White, tinged with rose.....	15
John Bull. Pinkish white.....	10
John Waterer. Light cherry, blazed with red, white stains, striped.....	75
La Candeur. Very long spike of large well-opened flowers, of a perfect white, lightly striped with carmine violet.....	75
La Fiancee. Pure white, bluish-violet stain; large and perfect.....	50
Leonora. Cherry, tinged with orange.....	75
Le Poussin. Light red, white ground, and very large white stains.....	15
Lord Byron. Brilliant scarlet, stained and ribboned with pure white.....	10
Lord Granville. Pale yellow, striped with rose.....	20
Lord Raglan. Salmon, vermilion spots.....	30
Louis Van Houtte. Velvety carmine.....	10
MacMahon. Cherry, tinted salmon.....	50
Madame Binder. White, carmine stripe.....	35
Madame de Sevigne. Light cherry, largely stained and lined with white.....	30
Madame de Vetry. White, purplish-carmine stains; very large.....	25
Madame Desportes. White, slightly striped with violet.....	1 00
Madame Henricque. Creamy white, flaked with purple.....	15

## FRENCH HYBRID GLADIOLUS—Continued.

	Price.		Price.
Madame Leseble. Pure white, large purplish-rose stain.....	30	Prince Imperial. White, with carmine.....	15
Madame Rabourdin. Rose, flaked with carmine, lined with white.....	35	Princesse Mathilde. Beautiful rose, carmine stains.....	20
Madame Vilmorin. Rose, white centre, shaded, and striped with carmine.....	40	Princess of Wales. White, blazed with carmine and rose.....	10
Mars. Beautiful scarlet.....	15	Racine. Cherry, tinged with violet; centre white	35
Mary Stuart. White, tinged with rose, blazed with bright cherry.....	75	Rebecca. White, striped lilac.....	20
Mathilda de Landevoisin. White, carnation tinted.....	20	Reine Victoria. Pure white, violet carmine stain; large and fine; extra.....	25
Mazeppa. Rose, yellow stains.....	15	Romulus. Brilliant brownish red; large pure white stain, very showy.....	25
Meteor. Dark red, brilliant, large stains of pure white.....	20	Rosa Bonheur. Large flowers, slightly tinged with lilac, and blazed with carmine violet.....	75
Meyerbeer. Brilliant red, blazed with vermilion, amaranth red stain, perfect shape.....	20	Rubens. Bright vermilion, striped with carmine, whitish ground.....	50
Moliere. Dark red, with violet carmine.....	50	Schiller. Long spike of large well-opened sulphur-colored flowers, large carmine stain.....	50
Mons. Legouve. Fiery red, with blotch white line on each petal.....	1 00	Shakspeare. White, very slightly blazed with rosy carmine, large rose stain; extra.....	60
Napoleon III. Bright scarlet, white streak.....	10	Sapho. Cherry, orange-tinted, large pure white blotch.....	35
Nelly. White, carminate rose.....	15	Sulphureus. Sulphur yellow.....	20
Ophir. Dark yellow, purple stain.....	20	Thalia. White, striped carmine.....	20
Orpheus. Magnificent spike, rose color, blazed with carmine; perfection.....	1 00	Theresa. Rose, shaded with salmon.....	30
Penelope. Large, white and carnation.....	15	Vesta. Pure white, spotted carmine.....	20
Phebus. Fiery red, large pure white stain.....	75	Virginalis. White, bordered carmine.....	75

## GYNERIUM ARGENTEUM—Pampas Grass.



GYNERIUM ARGENTEUM—PAMPAS GRASS.

## GLOXINIA CRASSIFOLIA GRANDIFLORA.

Exceedingly showy and easily managed plants. After planting the tubers in an equal mixture of fibrous peat, light loam, manure and sand, they require little water until they show growth; after this a moist heat is necessary. When in bloom bring them into the conservatory or drawing-room. After the plants have done blooming dry gradually off, and keep in the pots over winter in a moderately warm place under the staging of greenhouse. This variety is of strong habit and excels in rich and varied colored flowers of large bell-shape; erect, horizontal and pendulous.

## Colors and Forms Classified.

These have been assorted to color and form, and can be relied on to answer description.

A—Flowers erect, of a bright rosy crimson color, throat pure white, minutely spotted with deep crimson; a lovely variety. 30 cents.

The most effective and stately of all the Ornamental Grasses, producing a grand effect on the lawn with its graceful foliage and silvery plumes; the latter are produced on stems 8 to 10 feet high, in upward of forty, on well-established plants that remain in the open ground from year to year with protection. This is best done by tying the tops together and enclosing in a flour barrel, with top open and space packed out with straw or leaves, earthing up the soil well around the outside of barrel; or it can be removed to a cellar and replanted in the spring. Requires a rich and deep soil. The plumes, when cut before they fully expand, and dried in the shade, make handsome parlor ornaments for winter decoration.

25 to 50 cents. Extra strong plants for immediate effect can be furnished from \$1 to \$2 each.

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Gazania Splendens. Bright orange flowers. 15 cts.  
Genista Fragrans. Spikes of bright yellow flowers; fragrant. 25 cents.

Glauicum Corniculatum. Long silvery white, velvety leaves; used for ribbon-beds. 15 cents; \$1.50 per dozen.



GLOXINIA CRASSIFOLIA.

## GLOXINIA CRASSIFOLIA GRANDIFLORA—Continued.

- B—Flowers erect, white, with a wavy band of crimson at the throat and pure white lips. The throat is beautifully spotted with deep crimson. One of the most attractive offered. 50 cents.  
 C—Flowers drooping, of a delicate violet-rose color, beautifully shaded. 50 cents.  
 D—Flowers erect, pure white, throat beautifully spotted with purple, rich purplish-blue lips. 30 cents.  
 E—Flowers erect, large, of rich dazzling crimson, of great substance. 30 cents.  
 F—Flowers pendulous, rich deep purple, with dark shadings in the throat; large showy flower. 30 cents.  
 G—Flowers erect, throat white spotted with purple, wavy band of purple at the throat. 50 cents.  
 H—Flowers pendulous, rich bright crimson, fine large flower. 30 cents.  
 I—Flowers erect, large, pure white throat, porcelain blue lips. 30 cents.  
 J—Flowers erect, rich deep purplish blue. 30 cents.  
 K—Flowers pendulous, pure white, large blotch of crimson on lower lip. 50 cents.  
 L—Flowers pendulous, large blotch of purple on lower lip. 50 cents.

The set of twelve varieties, \$4.00.

Mixed colors and varieties. Strong tubers. 25 cents; \$2.50 per dozen.

- G. Insignis. A tall shrubby-growing variety, with large glossy green leaves; producing spikes of large gloxinia-like flowers, of deep lilac color, lasting until Christmas. 30 cents.

## HELIOTROPE.

Perhaps the most favorite free-flowering and fragrant tribe of plants in cultivation, equally fine as summer bedding plants, or in pots during the winter in the house. 15 cents; \$1.50 per dozen.

Chieftain. Lilac, large truss.

Etoile de Marseille. Deep bluish purple.

Florence Nightingale. Blush.

Grandiflorum. Pale lilac.

Juliette. Bluish lilac.

Mad. de Blonay. Large truss, nearly pure white; valuable.

Nelly. Blush white.

Snow Wreath. Nearly white, compact growth.

Swanley Giant. Bright lavender blue. 30 cents.

Violet Queen. Violet.

## DOUBLE HOLLYHOCK—Althæa Rosea.

These, like Dahlias and most flowers, it is almost impossible to either dig too deeply or manure too heavily. The collection embraces the finest double varieties in range of color, from the pure white to deep black, garnet, ruby, crimson, purple, orange, etc.

We offer plants in assorted colors from a very choice collection. 25 cents; \$2.50 per dozen.

## HYDRANGEA HORTENSIS.

The old favorite, producing large heads of pink flowers in great profusion; the color may be changed to a beautiful blue, by mixing the iron scales from a blacksmith's shop among the soil. The Hydrangea thrives best in a shady situation, with a plentiful supply of water; with protection, mostly hardy in the Middle States. 25 cents to \$1.

Aurea Variegata. Golden variegated foliage; very showy. 25 cts.

Hortensis Variegata. An exceedingly ornamental plant; the leaves are deep green, margined with pure white; fine for shady positions. 25 cents.

Imperatrice Eugenie. Rose, shaded with white and blue. 50 cts.

Otaksa. A Japanese variety lately introduced; beautiful large glossy foliage, large heads of pale pink flowers. 25 cents.

Speciosa Variegata. Margin of leaves green, with a broad white band passing through the centre. 50 cents.

Stellata Prolifera. A new and rare variety from Japan; double rose-colored flowers, changing to a coppery shade. 50 cents.

Thomas Hogg. Large pure white flowers which, on well-grown plants, measure more than 12 inches in diameter. Is quite as hardy as the other garden sorts. 25 cents.

New Climbing (*Schizophragma Hydrangeoides*). A climbing variety, producing corymbs of white flowers like the ordinary Hydrangea. 50 cents.



DOUBLE HOLLYHOCK.

## HYDRANGEA PANICULATA GRANDIFLORA.

A hardy variety of great merit; it endures the heat and cold of our climate extremely well. Elongated flowers of snowy white, often a foot long, which are produced in the greatest profusion, and continue from August to November. The finest hardy shrub of recent introduction. 25 cents; extra strong, \$1.

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Hemerocallis Kwamso fl. pl. Large double copper-colored flowers; hardy. 50 cents.

Hoya Carnosa. The Chinese Wax Plant, with pinkish-white flowers. 25 cents.

Hydrocotyle Lurida. Nearly round, handsomely crimped foliage, chocolate colored flowers, a fast runner; suitable for vases and baskets. 15 cents.

HYDRANGEA PANICULATA  
GRANDIFLORA.

## HEDERA—Ivy.

The most useful and popular evergreen vine. The varieties marked with an \* are the hardiest and most vigorous, suitable for covering walls, fences, trees, rock-work and rustic-work, as well as baskets or vases. The others are of a more slender growth, and used principally for hanging-baskets, vases, etc. When grown in pots and trained to screens or trellises, they are very desirable plants for vestibule and hall decoration; their refreshing glossy green foliage will bear a large amount of ill-usage.

**Algeriensis.** Glaucoous green, large silver blotches. 25 cents.

**Aurea Maculata.** Foliage blotched with yellow. 25 cents.

**Conglomerata.** Densely covered with small undulated foliage; curious. 25 cents.

\***Digitata, or Finger-Leaved.** 25 cents.

\***Helix (English Ivy).** Rapid grower, most generally used. 25 cents.

**Laciniatus.** Small cut-leaved. 25 to 50 cents.

\***Latifolia Maculata.** Marbled white on the young growth; vigorous grower. 25 cents.

**Lobata.** Cut-leaved; fine for baskets or vases. 25 cents.

**Maculata Major.** Like *Latifolia Maculata*, but much more variegated. 50 cents.

**Marmorata Elegans.** Small silvery-marbled leaves. 25 cents.

**Rœgneriana.** Giant-leaved; strong grower. 25 cents.

\***Spectabilis Aurea.** Young growth, veined with yellow. 50 cents.

**Tricolor.** A small-leaved variety, with handsome white, green and pink variegated foliage; constant. 50 cents.

## CHINESE HIBISCUS.

Small shrubs; some varieties with large double and others with single flowers, blooming freely during the summer months, and fine for garden decoration in partially shaded situations. They are equally desirable for winter blooming. 25 cents; \$2.50 per dozen.

**Coccineus.** Large flower of bright carmine red; when planted out it blooms continuously under the warmest sun.

**Rosa Sinensis.** Large crimson.

**Auranticum Plena.** Double salmon.

**Cooperi Tricolor.** Foliage beautifully variegated with dark green, pink and white; flowers crimson.

**Cruentus.** Double crimson.

**Fol. Variegata.** Foliage mottled with yellow; flowers crimson.

**Grandiflora.** Large rose.

**Lutens Plena.** Double yellow.

**Metallicus.** Dark bronzy shining foliage; flowers single, crimson.

**Rosa Sinensis—Continued.**

**Miniatus Semi-Plena.** The finest and most brilliant, semi-double vermilion scarlet, flowers 4 inches in diameter.

**Rubra Plena.** Double crimson.

**Schizopetalus.** Flowers drooping, with reflected orange-red lacinated petals; a curious and valuable variety. \$1.

**Vivicans.** Remarkably large flowers, 4½ inches in diameter, full, double. The color is a brilliant crimson scarlet; very showy.

**Zebrinus.** The petals are scarlet-edged and striped in the lower part with creamy yellow and white. 50 cents.

## IMANTOPHYLLUM.

Miniature. Resembling the *Amaryllis* in foliage; bearing large clusters of conspicuous buff orange-colored flowers. \$1 to \$2.

**Crytanthiflorum.** \$2.

## IRIS GERMANICA.

These are neat, robust, hardy herbaceous plants, with large ornamental flowers of rich and elegantly blended colors, exquisitely striped with dark violet, purple, or bronzed lines, upon a lighter ground. Not rising more than 2 or 3 feet in height, they are admirably adapted for gardens. We offer a choice collection of 12 varieties. 20 cents; \$2 per dozen.

## IRIS KÆMPFERI.

This Japanese *Iris* is an excellent addition to the hardy plants; the flowers are of great size, varying in color from pure white to deep blue, veined and mottled. 20 cents; 6 distinct kinds, \$1.

## IXORA.

Exceedingly showy plants, bearing large clusters of splendid flowers in white, rose, orange, etc., which remain a long time in bloom during the winter and spring months.

**Blanda.** White. 50 cents.

**Crocata Rutilans.** Salmon. 50 cents.

**Javanica.** Orange. 50 cents.

**Rosea.** Rose. 50 cents.

## JASMINUM.

**Gracillimum (New).** Exceedingly floriferous; a flowering shoot is produced from every joint, which terminates in a dense cluster of pure white fragrant flowers, blooming from October to February. 50 cents to \$1.

**Grandiflorum.** This favorite variety, known as the Catalonian Jasmine, is a valuable winter-blooming sort. The flowers are pure white and deliciously fragrant. 25 cents.

**Grand Duke of Tuscany.** Large white double flowers; imbricated, fragrant. 30 cents.

**Nudiflorum (Yellow Flowering Jasmine).** Climber; producing yellow flowers; hardy with protection in this latitude. 25 cents.

**Officinale (White Flowering Jasmine).** Climber; hardy with protection in this latitude. 25 cents.

**Sambac.** Very fragrant white flowers; a splendid house plant. 30 cents.

**Sambac Flore-Pleno.** Similar to the above, with double flowers. 30 cents.

## LAGERSTRÆMIA—Crape Myrtle.

One of the most beautiful of half-hardy shrubs, growing and blooming finely in the summer, and only requiring the shelter of a cellar in winter.

**Indica.** The old and popular Crape Myrtle, pink flowers. 25 to 50 cents.

**Indica Alba.** A new white Crape Myrtle. 50 cents.



## LANTANA.

One of the best summer-flowering tribe of plants for our climate; equally fine in dry or wet weather, sun or shade. There are few bedding plants that bloom more continuously or afford a greater variety of color than the Lantana. When grown with a single stem and trained as standards, with fine bushy tops and straight stem, besides being in bloom all summer, they present on the lawn or piazza an effect that is not surpassed by any other plant. 15 cents; \$1.50 per dozen.

**Comtesse Morny.** Blush and rose.  
**Craig.** Rich orange carmine; medium growth.  
**Don Calmet.** Lilac, orange centre.  
**Favourita.** Yellow merging into crimson.  
**Imperatrice Eugenie.** Blush and white.  
**Le Nain.** Orange and carmine.

**Lutea Superba.** Sulphur.  
**Mad. Mail.** Buff, lilac and orange.  
**Perfection.** Green foliage, variegated with yellow, lilac flowers; very showy and constant.  
**Plue d'or.** Very clear canary yellow; a novel shade.  
**Queen Victoria.** Fine white.

## LILIUM AURATUM—Golden Japan Lily.

This superb Lily has flowers from ten to twelve inches across, composed of six delicate white, ivory-like petals, each being thickly studded with rich chocolate-crimson spots, and having a bright golden band through the centre of each petal, with an exquisite vanilla-like perfume. As the bulbs acquire age and strength, the flowers obtain their maximum size and number. Upwards of twelve flowers have been produced on a single stem. It is perfectly hardy in dry soils, also admirably adapted for pot culture.

Flowering bulbs, 50 cents; \$5 per dozen.

## LILIUM LANCIFOLIUM—Japan Lily.

These superb lilies are perfectly hardy, flowering freely in July and August, forming one of the most striking objects in the flower border. Strong bulbs, for spring planting, can be furnished as late as the 1st of April, after which time they can be furnished in pots, for turning out into the border. They also flower finely in pots.

**Album.** White. 50 cents.  
**Roseum.** Spotted rose. 25 cents.  
**Rubrum.** White and red spotted. 25 cents.

For other varieties, to be planted in the autumn, see Bulb Catalogue of 1882-83.



LILIUM AURATUM—GOLDEN JAPAN LILY.

## LOBELIA.

Neat and extremely floriferous plants, much used for edgings (in shade), hanging-baskets, vases, etc., of which we offer the following select varieties. 15 cents; \$1.50 per dozen.

**Speciosa Elegans.** Spreading, fine deep blue.  
**Alba Maxima.** Snowy-white flowers of drooping, spreading habit.

## LONICERA—Honeysuckle.

25 cents; extra strong, 50 cents.

**Belgian or Monthly.** Very fragrant: red and yellow flowers.  
**Chinese Evergreen.** Red, yellow and white variegated flowers; very fragrant; commonly called "Woodbine."  
**Halleana.** A white monthly Honeysuckle, from China; flowers pure white, turning to yellow, with the fragrance of the Cape Jessamine; hardy, vigorous grower, and flowers freely; evergreen.  
**Scarlet Trumpet, or Coral.** Deep red, trumpet-shaped flowers.  
**Variiegated (*Brachypodium aurea reticulata*).** Foliage beautifully variegated; succeeds in any situation; a fine edging to flower beds.  
**Yellow Trumpet or Coral.** Light yellow tube-like flowers.

## LYCOPodium—SELAGINELLA.

20 cents; \$2 per dozen.

**Arborea.** Steel blue, creeping.  
**Cæsia.** Steel blue.  
**Cordata.**  
**Densa.** Resembling a light green cushion of moss. 15 cents; \$1.50 per dozen.  
**Denticulata.** 15 cents; \$1.50 per dozen.  
**Denticulata Variiegata.** 15 cents; \$1.50 per dozen.

**Involucratum.**  
**Martensi Compacta.**  
**Martensi Variiegata.**  
**Plumosa.** Large, spreading, erect, fern-like.  
**Serpens.** Creeping habit, bright green.  
**Wildenovi.** Delicate, bright green, fern-like.

**Laurestinus.** A desirable evergreen shrub for house culture, producing a profusion of white flowers. 30 cts.  
**Libonia Penrhosiensis.** Flowers scarlet, tipped with yellow; beautiful foliage; free bloomer in winter, and of easy culture. 25 cents.

**Laurus Nobilis.** The popular evergreen shrub known as "Sweet Bay." 50 cents.  
**Lysimachia Nummularia Aurea.** Yellow foliage; a splendid vase plant. 20 cents; \$2 per dozen.

## LYCHNIS VISCARIA ALBA PLENA.

Hardy, with fine large double white flowers, which are produced in the greatest profusion during the entire summer; very valuable for funeral designs, taking the place of the Carnation at a season when double white flowers are in great request. 20 cents; \$2 per dozen.

## MADEIRA, MEXICAN, OR MIGNONETTE VINE.

Of rapid growth, suitable for covering arbors, etc. Flowers feathery white, with a fragrance resembling Mignonette. 10 cents; 75 cents per dozen.

## MAHERNIA ODORATA—Honeybell.

A winter flowering greenhouse plant, producing an abundance of small yellow bell-shaped flowers; very fragrant. 25 cents; \$2.50 per dozen.

## MANETTIA CORDIFOLIA.

A pretty climbing plant, producing bright scarlet tubular flowers, about two inches long, forming a complete mass of bloom from July to October. One of the finest plants for large vases and rustic baskets; sun or shade. 25 cents; \$2.50 per dozen.

## MARANTA.

The Marantas are all showy and beautiful plants, with large ornamental foliage, requiring the temperature of the hothouse.

Baraquini. 50 cents.	Micans. 30 cents.	Roseo-Picta. 75 cents.
Bicolor. 30 cents.	Ornata. 50 cents.	Sanguinea. 50 cents.
Fasciata. 50 cents.	Porteana. 50 cents.	Van Den Hecke. 50 cents.
Makoyana. 75 cents.	Regalis. \$1.00.	Veitchi. \$1.50.
Zebrina. An excellent and robust growing variety, very useful for Wardian cases, window boxes, etc. 30 cents.		

## MESEMBRYANTHEMUM CORDIFOLIUM VARIEGATUM—Variegated Ice Plant.

The variegation of the leaves, white and green, is very distinct, and the star-shaped purple flowers contrast finely with the creamy white foliage. It is valuable for baskets or vases, as its succulent character enables it to stand our hot and dry weather. Its bedding qualities are highly recommended. 20 cents; \$2 per dozen.

## MYRSIPHYLLUM ASPARAGOIDES—Smilax.

A climbing plant, unsurpassed in the graceful beauty of its foliage; and its peculiar wavy formation renders it one of the most valuable plants for bouquets, wreaths, festoons, and decorations. It is extensively cultivated by florists for this purpose, and is a great favorite. 20 cents; \$2 per dozen.

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Magnolia Fuscata. A green-house shrub, with fragrant flowers. 75 cents to \$1.	Myrtus Communis. The favorite sweet-scented Myrtle; blooms in early spring. 30 cents.
Muhlenbachia Rotundifolia. A small-leaved running plant, for vases and baskets. 25 cents.	

## MUSA ENSETE.

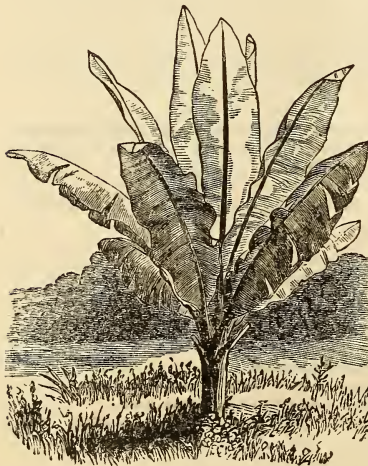
The noblest of all plants is this great Abyssinian Banana. The fruit of this variety is not edible, but the leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib; the plant grows luxuriantly from 8 to 12 feet high. During the hot summer, when planted out, it grows rapidly, and attains gigantic proportions, producing a tropical effect on the lawn, terrace, or flower garden. It can be stored in a light cellar or cool green-house during the winter, with a covering of soil, or planted in a tub, watered sparingly. We offer a fine lot of these plants.

Large plants, 5 feet high.....	\$5 00
2 to 3 feet high.....	2 50

## NERIUM—Oleander.

The double varieties do not show their character until the plants become strong.

Album Plenum. An introduction from the West Indies. Long, slender foliage; fine double white flowers. 40 cents.
Atropurpureum Plenum. The richest blood-red crimson color, quite double and finely imbricated. 50 cents.
Flavum Duplex. Large, semi-double, yellow flowers; early and free flowering. 50 cents.
Madoni Grandiflora. Fully as large as the double pink, and nearly as double; pure white; strong habit. 30 cents.
Prof. Durand. White, duplex flowers, yellow throat. 50 cts.
Splendens. Double pink. 25 cents.



MUSA ENSETE.

## NERTERA DEPRESSA.

An attractive fruiting plant, producing brilliant orange-red berries on dense cushion-like tufts of foliage. 50 cts.

### NYPHÆA FLAVA.

This beautiful yellow water-lily is distinct in foliage, flower and growth. The leaves are variegated with dark purple and light green; under surface is a deep purplish red. 50 cents.

### NYPHÆA ODORATA.

This favorite water-lily is pure white, very fragrant, and easily cultivated in tubs or ponds. They succeed best in about three feet of water on muddy bottom. Tie the roots to stones when planting to keep in place. 40 cents; \$4 per dozen.



NYPHÆA ODORATA.

### OLEA FRAGRANS.

A favorite green-house shrub, delightfully fragrant; the scent is sufficient to perfume a large conservatory. 50 cents to \$1.

### ORCHIDS.

The following list embraces some of the leading kinds of easy culture that require the ordinary temperature of a green-house.

**Bletia Tankervilleæ.** Large showy flowers are produced on stems about 18 inches high, flowers white marked with brown. 75 cents to \$1.50.

**Cypripedium Insigne.** Solitary flowers are produced in winter lasting six weeks in bloom; sepals and petals yellowish green, the dorsal tipped with white and spotted brown. 75 cents to \$3.00.

**Cypripedium Venustum.** Light-green leaves curiously blotched, and mottled dark-green and black. The flower is greenish white, the lip is of yellowish green color. \$1 to \$2.

**Catleya Lobiata Pescatorei.** Light-green foliage, free blooming; the sepals and petals light-rose, the lip rich crimson; autumn bloomer. \$2.

**Catleyana Citrina.** The large flowers are bright yellow; fragrant, and produced from the top of bulb, early bloomer. \$2 to \$5.

**Dendrobium Nobile.** A magnificent species from India; the blossoms are pink and white with a spot of crimson in the centre of the lip; they are borne along the sides of the stems, lasting four weeks in perfection. \$1.

**Dendrobium Pierardi Latifolia.** A beautiful species with white and yellow flowers, drooping deciduous habit, early bloomer. \$3.

**Dendrobium Primulinum.** The white and pink flowers are produced in two rows along the stem; early. \$3 to \$5.

**Dendrobium Wardianum.** Sepals and petals are white tipped with magenta, the lower part of the lip rich orange, spotted on each side with crimson. The flowers are produced in twos and threes, each measuring 3 inches in diameter. \$3 to \$5.

**Dendrobium Suavissimum.** \$3.

**Lælia Acuminata.** The sepals and petals are white, the lip white with a dark blotch on the upper part. \$3.

### OTTHONNA CRASSIFOLIA.

Resembling the Sedums in growth and habit; the flowers are bright yellow, like small tassels, which are borne in great profusion; a splendid plant for baskets and vases, trailing a long distance. It stands the hottest sun. 15 cents; \$1.50 per dozen.

### OXALIS.

**Deppii.** A summer-flowering variety, excellent for borders and edgings. It is grown rather for the lively green with black zone leaves than the flowers. 10 cents per dozen; 50 cents per 100.

**Floribunda Alba.** An ever-blooming variety, used for pots and baskets; white flowers. 10 cts.; \$1 per doz.

**Rosea.** Similar to the above, with rose-colored flowers. 10 cents; \$1 per dozen.

**Lasiandra.** Similar to Deppii, leaves divided in nine divisions, flowers standing well above the foliage. The bulbs are planted an inch apart. 10 cents per dozen; 50 cents per 100.

### PÆONIA—Tree.

This plant, instead of dying down to the ground every winter, as the herbaceous variety, is a small, hard-wooded shrub. The flower is the same in form as the common variety, but of a light pink or blush color. \$1.00.

### PÆONIA—Herbaceous.

The Herbaceous Pæonias are exceedingly hardy, and will succeed in any ordinary garden soil, well enriched with good manure. During the summer months mulching will be beneficial to the roots, especially on dry soils. 30 cents; \$3 per dozen, except where noted.

**Alba Plena.** Double white.

**Baron J. d'Rothschild.** Pale rose. 50 cents.

**Comte de Paris.** Rose, buff centre.

**Duchesse d'Orleans.** Rose, tinged buff.

**Fragrans.** Dark rose; fragrant.

**Humei.** Pink; fragrant.

**Jeanne d'Arc.** Blush white, shaded with rose. 50 cents.

**Lingulata.** Pure white. 50 cents.

**Magnifica.** Of a rosy chamois color. 50 cents.

**Modeste Pulcherima.** Deep rose, bright, large, showy and distinct. 50 cents.

**Officinalis Purpurea Major.** Large purple flower. 50 cents.

**Officinalis Rubra.** Dark crimson.

**Pottsi.** Dark crimson.

**Rosea Delecta Pulchra.** Rose, shaded with buff. 50 cents.

**Sulphurea.** Pale yellow. 50 cents.

**Tenuifolia.** Dark crimson; very double and showy, with peculiar fine cut leaves. 50 cents.

**Tricolor Grandiflora.** Large three-colored flower. 50 cents.

**Whitleyi.** Pure white; fragrant.

## PALM.



SEAFORTHIA ELEGANS.

- C. Recurvata Variegata.** A beautiful variegated form of the above. \$5.  
**Cycas Revoluta.** (*Sago Palm.*) \$5.  
**Heterospathe Elata.** This plant ranks amongst the most ornamental of the pinnate-leaved series. \$1.50.  
**Kentia Belmoreana.** The leaves are beautifully crisp. \$1.50.  
**Kentia Fosterianad.** Robust habit and growth. \$1.50.  
**Latania Glaucophylla.** Glaucon green leaves. \$2.50.

The following is a select list of rare and handsome varieties, which can be recommended of easy culture for apartments, conservatory decoration, or vase plants during the summer. The prices vary according to size and rarity.

- Areca Baueri.** \$3.  
**A. Lutescens.** Fine yellow stems; a beautiful palm of fine color and graceful habit; for a dinner-table or green-house decoration. \$3 to \$6.  
**A. Verschaffelti.** One of the most elegant varieties. \$3 to \$6.  
**Brahea (Pritchardia) Filamentosa.** Resembles *Latania Borbonica*, hung with long white threads. \$1 to \$2.  
**Carludovica Palmata.** The Panama hat palm. In growth like *Latania Borbonica*. \$1 to \$5.  
**C. Incisa.** Cut foliage. \$1 to \$5.  
**Caryota Urens.** \$1.  
**Chamædora Elegans.** As the name implies this is an elegant plant. \$3 to \$10.  
**Chamærops Excelsa.** A handsome fan palm fast grower and easy culture. 50 cents to \$1.  
**C. Giesbrechti.** \$1.  
**C. Humulis.** \$3.  
**Cocos Weddelliana.** The most elegant and graceful of all the smaller palms. \$3 to \$5.  
**Corypha Australis.** (*Australian Fan Palm.*) Of easy culture and good grower. 50 cents to \$1.  
**Curculigo Recurvata.** A remarkably graceful palm-like plant for decorative purposes. 50 cents to \$3.  
**Latania (Livistona) Borbonica.** (*Chinese Fan Palm.*) One of the most desirable for ordinary cultivation; a good grower. 50 cents to \$15.  
**Oreodoxa Regia.** \$3.  
**Phœnix Dactylifera.** (*The Date Palm.*) \$2.50 to \$5.  
**Phœnix Rupicala.** A beautiful species. \$5.  
**P. Reclinata.** \$3 to \$5.  
**P. Sylvestris.** \$3 to \$5.  
**Seaforthis Elegans.** One of the handsomest of green-house palms, of very easy culture. \$1, \$3 and \$5.

## PANDANUS UTILIS—Screw Pine.

Called Screw Pine from the arrangement of the leaves on the stem. Excellently adapted for the centre of vases and baskets, or grown as a single specimen; a beautiful plant. 50 cts. to \$3.

- Javanica Variegata.** Leaves green, with broad stripes of pure white gracefully curved. \$1 to \$3.  
**Veitchi.** This splendidly-variegated Screw Pine is one of the most attractive plants. The leaves are light green, beautifully marked with broad stripes and bands of pure white, and most gracefully curved. \$1.50 to \$5.

## PANSY.

This plant has received special selection and culture, so that the stock offered can be relied on as embracing the best from foreign and domestic collections, comprising the various shades of color with flowers of the largest size and fine form. 15 cents; \$1.50 per dozen. Out of frames, \$1 per dozen.

## PASSIFLORA—Passion Flower.

Very handsome climbing plants, growing rapidly and blooming freely, with blue, purple or scarlet blossoms. *P. Cœrulea* and *Incarnata* are hardy; the other sorts require green-house culture.

- Cœrulea.** Blue; hardy with protection. 25 cts.  
**Incarnata.** Perfectly hardy; blue flowers, free flowering. 25 cts.  
**Insignis (Tacsonia).** Crimson, blue mottled with white tube. \$1.50.  
**Pfordti.** Beautiful blue flowers. 50 cts.  
**Princeps.** Scarlet, very effective. 50 cts.  
**Racemosa.** Purple. 30 cts.  
**Van Volkemi (Tacsonia).** Crimson. 30 cts.

## SPOTTED AND SHOW PELARGONIUM.

We offer a carefully selected collection from the latest and best English and French varieties, which can be highly recommended to all lovers of these rich and showy flowering plants. 50 cents; \$4.50 per dozen. Medium size, 30 cents; \$3 per dozen, except where noted.

- Admiration.** Carmine, white, maroon and violet.  
**Baltic.** Crimson and scarlet, centre shaded with violet.  
**Beadsman.** Pink, with maroon spot.  
**Belle de Paris.** Salmon rose, blotched maroon.  
**Bertha.** Rich maroon, white centre.



PASSIFLORA.

## SPOTTED AND SHOW PELARGONIUM—Continued.

**Captivation.** Pure white, dark spots.  
**Coronet.** Crimson and rose.  
**Dr. Andre.** White and pink, finely fringed petals, splendid.  
**Eclipse.** Blackish maroon, edged crimson, light centre.  
**Firefly.** Fiery crimson, blotched maroon, upper petals slightly spotted with crimson.  
**Gazelle.** Bright rose carmine, white centre.  
**Geo. Sand.** Pale violet and light salmon; one of the best.  
**Grace.** Maroon, upper petals edged with rose.  
**Hebe the Beautiful.** Rosy salmon, dark blotch, fringed.  
**Hiawatha.** Bright maroon, crimson margin.  
**Hofgärtner Huber.** Upper petals rosy purple, under petals rosy with light veins.  
**Hofgärtner Kellerman.** Dark fiery red and light carmine.  
**Imperatrice Eugenie.** White, spotted purple.  
**Lady of the Lake.** Rose and crimson, dark maroon upper petals.  
**L'Arise.** White, veined crimson; dark blotches.  
**L'Avenir.** Scarlet, striped with white.  
**Lord Clyde.** Scarlet, maroon blotch.

**Lord Napier.** Orange rose, shaded with crimson.  
**Mad. Buzard.** Delicate pink, white centre and margin.  
**Magnate.** Violet, blotched maroon, spotted with crimson.  
**Medaille d'Or.** Deep cherry, dark blotches.  
**Midas.** Centre orange-crimson, upper petals veined with maroon.  
**Mrs. Bradshaw.** White, with dark purple blotches, large flower.  
**Nonpareil.** Lower petals rose tinted carmine, upper petals maroon.  
**Oriental.** Lower petals bright lake, upper dark maroon, large white centre.  
**Prest. Schlachter.** Rich purple, white centre.  
**Priniceps.** Orange, crimson and white.  
**Queen of Whites.** Pure silvery white.  
**Rosalind.** Deep crimson, veined and blotched.  
**Striata.** Scarlet, striped white; dark blotch.  
**Sunrise.** Light scarlet, dark blotches.  
**Vicomtesse de Belleville.** Fiery crimson, petals blotched with purple.  
**Valante National.** Each petal blotched with rosy carmine, margined with a broad band of pure white.

## SINGLE PETUNIA.

We offer a very choice collection, selected from many hundreds of finest seedlings, varying through all the shades of crimson, rose and purple, to the purest white, striped, mottled, self-colored, and fringed. A solid bed of single Petunia plants makes a very effective show of flowers during the entire season, and one that suffers but little on account of drought or too much rain. 15 cents; \$1.50 per dozen. The six best are:

**Brilliant.** Rosy carmine, light throat.  
**Climax.** White-edged crimson; fringed.  
**Marginata.** Bright rose, edged with white.  
**Marvellous.** White striped with purplish rose; fringed.

**Princess.** Rosy purple, light veined throat.  
**Superba.** White, marked and blotched with rosy purple.

## NEW AND CHOICE DOUBLE PETUNIA.

Having made the hybridizing of the Petunia a specialty for many years, with the view of obtaining the best in this country or Europe, we annually present a new set carefully selected. The collection offered this season is particularly rich in color, of the largest size, with fringed margins, fine form, and very double. 20 cents; \$2 per dozen.

**Aurora.** Rosy purple, dark centre; fringed.  
**Bijou.** Rosy purple and white; fringed.  
**Circulator.** Rosy pink and white; fringed.  
**Dido.** Rich velvety purple, full centre; fringed.  
**Elvira.** Rosy carmine, edged white; fringed.  
**Galatea.** Rosy crimson, splashed and blotched with white.

**Gloriosa.** Large white, blotched with rosy carmine and deep purple; fringed; extra fine.

**Hecla.** Rosy crimson edged with white.  
**Morning Star.** White, striped and splashed with crimson; fringed.  
**Ne Plus Ultra.** White, carmine and crimson, shaded and mottled.  
**Nina.** Bright rosy carmine, blotched with white; fringed.  
**Sensation.** Splendid crimson, purple and white.  
**Snowball.** The finest white.  
**Stella.** Crimson, purple and white mottled; fringed.  
**Triumphant.** Rosy purple, edged with white, deep cut fringed; the finest introduction for years.  
**Trophy.** Pure white, blotched and marked with purple; fringed.

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**Panicum Variegatum.** A splendid variegated grass for baskets, etc. 20 cents.  
**Papyrus Antiquorum.** The Egyptian paper plant. 50 cents.  
**Peperomia Maculosa.** Dwarf-growing, ornamental foliage plant, with round, thick, bright green leaves, veined with grayish white. 30 cents.

**Pestrophe Augustifolia Var.** Golden yellow and green variegated leaves, fine for baskets. 20 cents.  
**Phormium Tenax (New Zealand Flax).** Longsword-like leaves. 75 cents.  
**Phormium Tenax Variegata.** The variegated form of the above. \$1.



**PHLOX—Hardy Herbaceous.**

The beauty of the Phlox is not yet sufficiently known and esteemed. For their brilliant tresses of flowers, comprising all shades of color, from white to crimson, striped and mottled, they have few if any superiors among hardy perennial plants. They should be divided and replanted, in freshly prepared soil, each alternate year.

**New Varieties.**

50 cents. The set of six varieties, \$2.

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| <p><b>Aigory.</b> Pure white, brilliant cherry-colored eye; fine.</p> <p><b>Cortaubert.</b> Violet rose, deep crimson eye.</p> <p><b>Lucie Lemoine.</b> Fine large pure white.</p> | <p><b>Mad. Deveret.</b> Bright rose, crimson eye.</p> <p><b>Rosamund.</b> Salmon, scarlet shaded crimson.</p> <p><b>Souv. de Louis Van Houtte.</b> Light rose, crise eye; fine.</p> |
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**General Collection.**

20 cents; \$2 per dozen.



PHLOX—HARDY HERBACEOUS.

- Adelaide.** Salmon scarlet; extra fine.
- Augusta Reviere.** Large, bright salmon, shaded carmine; extra.
- Comtesse de Chambord.** White, with salmon purple.
- Comtesse de Lambertye.** Large white, with distinct crimson eye; extra.
- Docteur Boisdual.** Light rose; carmine eye.
- Droneda.** Brilliant crimson.
- Eugene Verdier.** Dotted with silver, and purple eye.
- Le Coer du Monde.** Large rose, flaked white, crimson eye; very fine.
- Le Sultan.** Purplish crimson.
- Mad. Leon Gallois.** Pure white, purple eye.
- M. Gardener Brewer.** Salmon red, very brilliant, fine spikes.
- Mad. de Wendei.** Pure white, large carmine eye; extra fine flower.
- Mad. Montpensier.** White, tinged with lavender; purple eye.
- Mad. Rendatler.** White and crimson flake.
- Mademoiselle Saussine.** White, with large dark carmine eye.
- Miss Robertson.** Pure white, perpetual flowering; extra.
- Miss Whitehead.** Rose, crimson eye.
- Mrs. Balfour.** Carmine purple; fine form.
- Princesse de Furstenberg.** Very large, white; carmine eye.
- Princess of Wales.** Pure white.
- Reve d'Or.** Brilliant salmon, crise eye; fine.
- The Hon. Elizabeth Lake.** Pure white, large rosy crimson eye.
- Victor Lemoine.** Rose, dotted ash, with carmine purple eye; extra.
- York and Lancaster.** White, striped with violet; the marking distinct and constant; beautiful

**HARDY PINKS.**

These are dwarf-growing varieties, about one foot in height. The flowers are of various colors, rich in fragrance, perfectly double, and entirely hardy. 20 cents; \$2 per dozen.

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| <p><b>Alba Fimbriata.</b></p> <p><b>Alfred Harrington.</b></p> <p><b>Brunette.</b></p> <p><b>Claude.</b></p> <p><b>Defiance.</b></p> <p><b>Earl of Carlisle.</b></p> | <p><b>Esther.</b></p> <p><b>Etna.</b></p> <p><b>Gertrude.</b></p> <p><b>John Bull.</b></p> <p><b>Juliette.</b></p> <p><b>Laura Wilmer.</b></p> | <p><b>Lord Lyons.</b></p> <p><b>Mont d'Or.</b></p> <p><b>Mrs. Pottifer.</b></p> <p><b>Mrs. Stevens.</b></p> <p><b>Prince Arthur.</b></p> <p><b>Quarteri.</b></p> |
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**PLUMBAGO.**

Free flowering shrubs, producing flowers in great profusion; are attractive for summer or winter blooming.

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| <p><b>Alba.</b> Pure white. 25 cents.</p> <p><b>Lapensis.</b> Light blue. 25 cents.</p> <p><b>Larpentæ.</b> A variety of low spreading growth, flourishing in almost any soil, deserving of attention as a</p> | <p>bedding plant, for which it is admirably adapted in our climate. It is continually covered with deep blue flowers, summer and autumn. 20 cts.; \$2 per dozen.</p> |
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| <p><b>Platycodon Grandiflora.</b> A free-flowering, hardy perennial; blooming all summer. White and mauve colored; each 20 cents; \$2 per dozen.</p> | <p><b>Pittosporum Variegatum.</b> 50 cents.</p> <p><b>Pleroma Elegans.</b> 30 cents.</p> <p><b>Pleroma Purpurca.</b> 30 cents.</p> |
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**POINSETTIA PULCHERRIMA.**

A hothouse plant of great beauty, producing bracts or leaves that surround the flower one foot in diameter, on well-grown specimens, of the most dazzling scarlet. It blooms from November to February. Largely used by bouquet makers for designs of cut flowers, etc. 25 cents to \$1, according to size.

- Poinsettia Pulcherrima Plenissima.** New Double Poinsettia. Very brilliant scarlet, tinted with orange color; a dazzling color. The head grows on a specimen plant fourteen inches in diameter by ten inches in depth, giving it the appearance of a cone of fire. 50 cents to \$1.

## PUNICA GRANATUM—Pomegranate.

Beautiful plants of symmetrical growth which can be advantageously used as bedding or pot plants, and as they are deciduous, after blooming, they can be kept in a cellar or under the staging of a green-house until they start in the spring. Quite hardy in the South.

**Alba Plena.** Creamy white flowers; very double. 50 cents.

**Legrellei.** Reddish yellow, bordered with white; very double. 50 cents.

**Nana.** A dwarf variety, flowering profusely while only a foot high. A peculiar shade of brilliant orange scarlet, double flowers. 30 cents.

**Rubra Plena.** Double crimson flowers. 50 cents.

## PYRETHRUM AUREUM—Golden Feather.

Used largely for massing or ribbon edging. The leaves are of a golden-yellow color, delicately cut; the color is retained all summer in the brightest sun. The flower shoots should be taken off when they appear to preserve the shape of the plant. 15 cents; \$1 per dozen; \$5 per 100.

## RHODODENDRON.

The Rhododendron is one of the most valuable of our hardy decorative plants. The leaves are broad, green and glossy, and when planted in groups, or belts, or alone, give a summer landscape in the midst of winter. Did it produce no flowers, it would be the most desirable hardy plant known for every style of lawn planting. In June, when the masses of rich and glossy green are surmounted by scarlet, purple and white clusters, each cluster large enough for a bouquet, the display is worthy of any expression of admiration. They bear pruning well, and can be kept down to two feet, or allowed to grow six or eight feet; as standards, they are particularly fine.

They require only a good garden soil, which should be dug at least two feet deep and mixed with some leaf mould or peat; it is also well to mulch the ground during the summer, and a protection of leaves and brush during the first winter will be beneficial. The finest varieties are the Hybrids or Catawbiensis, of which this list is especially selected with reference to hardiness. Plants from 12 to 24 inches high, bushy, well established, of which we offer the following choice-named collection, besides fifteen choice varieties.

\$1 each; \$10 per dozen. Plants set with buds, \$1.50; \$15 per dozen. Extra large specimens in bud, 3 feet high, \$2.50 each; \$24 per dozen. Nearly all these varieties can be furnished in bud.

**Allium Elegans.** Blush, changing to pure white; very fine.

**Alexander Adie.** Very bright rosy crimson.

**Barclayana.** Fine dark crimson.

**Blandyanum.** Deep rosy crimson.

**Brayanum.** Scarlet.

**Caractacus.** Rich purplish crimson, splendid truss and foliage.

**Comte de Gomer.** Beautiful white and crimson.

**Currieianum.** Dark rosy lilac; immense bloom.

**Elfrida.** Deep red, with large spots; pretty.

**Everestianum.** Rosy lilac; crimped petals; fine.

**Fastuosum.** Double lilac, with large trusses.

**H. H. Hunnewell.** Very dark rich crimson, splendid truss.

**Hendersoni.** Purplish crimson; a very free bloomer.

**H. W. Sargent.** Crimson, enormous trusses; a magnificent Rhododendron.

**James Mason.** Light centre, bright scarlet edgings.

**Jewess.** Rosy purple with black spots.

**John Waterer.** Brilliant carmine; immense truss; late bloomer.

**Lady Armstrong.** Pale rose, very much spotted; beautiful.

**Lord Napier.** Very dark pure lake; late bloomer.

**Michael Waterer.** Late crimson, splendid truss.

**Minnie.** Blush white, with large chocolate spots; late bloomer.

**Mrs. John Clutton.** Beautiful clear white, exquisite shape.

**Mrs. Milner.** Rich crimson, splendid habit and leaf; a first-rate kind.

**Mrs. John Waterer.** Bright rosy crimson.

**Nero.** Fine dark rosy purple.

**Perfection.** Very beautiful blush white; fine truss.

**Prince Albert.** Dark chocolate carmine.

**Princess Mary of Cambridge.** White centre, with rosy purple edging, very beautiful.

**The Queen.** Very fine blush white, immense truss and perfect form.

**Victoria.** Fine claret; free bloomer.

## RICHARDIA.

**Alba Maculata.** A dwarf variety of the "Calla Lily;" flowers smaller, of same shape, leaves covered with pure white spots. It flowers freely during the summer months, planted out in the open border. 30 cents; \$3 per dozen.

**Hastata.** "The Yellow Calla;" smaller than the well-known white one; a very charming flower, of a soft yellow color, set off by a rich deep purple spot in the throat. 50 to 75 cents.

## RHYNOSPERMUM JASMINOIDES.

A beautiful green-house plant, with glossy evergreen foliage, producing masses of pure white Jasmine-like flowers, delightfully fragrant; in bloom about May and June. It is of a climbing habit, and presents a beautiful appearance when properly trained. The flowers are very desirable for bouquets, etc. 30 cents.

**Jasminoides Aurea Variegata.** Foliage variegated green, white and carmine. 50 cents.

**Jasminoides Argentea Variegata.** Foliage edged with silvery white. 50 cents.

## SALVIA—Sage.

These rich and abundant-flowering plants are indispensable in the autumnal garden: either in masses or scattered among shrubbery, their gorgeous effect is best displayed. 15 cents; \$1.50 per dozen.

**Splendens.** Scarlet Sage.

**Bruanti.** A novelty of great value for groups in open ground, dwarf and very bushy, long and large flowers, early, splendid velvety red. 25 cents.

**Marmorata.** A new variety of Scarlet Sage, the flowers and calyx pure white, beautifully mottled and spotted with scarlet, dwarf habit, free blooming.

**Soucheti Flore Albo.** Pure white.

## THE ROSE.

The rose still maintains its position as the most attractive of flowers. Every year adds a large number of varieties to our extended lists, new at least in name, if not in character; and it shall be our special endeavor, after careful comparisons, to point out such of them as show a decided improvement in their leading characteristics over pre-existing varieties.

Our collection of Roses is now admitted to be one of the most complete, having been enriched, by direct importation, with the latest popular sorts. The repeated award of the highest premiums by the Pennsylvania Horticultural Society is sufficient evidence of their merit.

EVER-BLOOMING ROSES cannot be secured unless the plants are kept in a vigorous growing condition. To derive the greatest enjoyment from Rose-culture, beds should be prepared exclusively for their benefit, by throwing out the sub-soil and replacing with a good compost, so that the roots in running down may find nourishment.

A fresh loamy soil, enriched with well-rotted cow manure, we have found the best, and the fertility preserved by a yearly top-dressing of well-rotted manure.

Our Roses are *pot-grown on their own roots, and not forced into unnatural growth*; being pot-grown renders them more desirable for sending to a distance; as they retain the ball of roots and soil, the purchaser runs no risk in transplanting. Being kept in cold houses without fire over winter, their natural growth is likewise not checked, in planting out, by sudden changes of temperature in the spring; but the plants go ahead, giving perfect satisfaction in every way.

### ROSES BY MAIL.

We will send by mail 6 pot-grown plants, purchaser's selection, for \$1. 8 fine and distinct varieties of our selection for \$1, all true to name.

#### HYBRID PERPETUAL ROSE.

30 cents; \$3 per dozen, except where noted.

This class is very popular, combining the vigor of the hardy garden Rose with the frequent blooming qualities of several other classes; some of the sorts are also very fragrant. The following is a select list of *the latest introductions*, as well as those that have been well tried:

Alfred Colomb. Brilliant carmine crimson, fragrant, first class.  
 Anne de Diesbach. Carmine, very large and fine.  
 Antoine Mouton. Deep rose; very large and full. Similar to Paul Neron.  
 Ardoise du Chalet. Crimson red.  
 Augusta Pajole. Deep rich crimson; large.  
 Aurora Boreale. Large shining red.  
 Baron Hausmann. Splendid carmine.  
 Camille Bernardin. Deep red, free and fragrant.  
 Capt. Christy. Delicate flesh color, deeper centre.  
 Cardinal Patrizzi. Velvety crimson.  
 Caroline de Sansal. Pale flesh color, large; lovely.  
 Champs de Mars. Extra fine double crimson.  
 Cheshunt Hybrid. Carmine cherry, large and full. 50 cents.  
 Comte Litta. Velvety-purple.  
 Comtesse de Oxford. Light carmine; fine form.  
 Crimson Bedder. Rich crimson.  
 Duchess of Edinburgh. Very pale rose, the largest and finest form.  
 Duchess de Morny. Light rose.  
 Duke de Rohan. Beautifully shaded vermillion.  
 Ed. Moren. Deep cherry rose.  
 Eliza Baele. White, peach centre.  
 Eugene Furst. Deep purple rose; velvety flower, large and somewhat cupped, very sweet.  
 Fanny Petzhold. Rose, shaded with white.  
 Geant des Batailles. Bright scarlet; superb.  
 General Houtpoul. Dark crimson.  
 General Jacqueminot. Brilliant crimson.  
 General Washington. Very double, crimson.  
 Glorie de Ducher. Deep crimson, large.  
 Henry Pages. Light violet rose.  
 Hortense Mignard. Cherry pink, large and full.  
 Jean Gross. Satin rose.

John Hopper. Bright rose, carmine centre.  
 Jules Margottin. Bright carmine, cupped form; fragrant; a splendid variety.  
 La France. Splendid satin rose; very large, full, fine globular form; a constant bloomer. The sweetest of all roses, and none can surpass the delicacy of its coloring.  
 La Reine. Glossy rose, large.  
 Laurestinus. Dark crimson.  
 Lord Raglan. Vivid crimson scarlet.  
 Louis Van Houtte. Bright crimson, shaded black.  
 Madame Charles Wood. Vivid crimson, shaded purple; fine; a magnificent rose.  
 Madame Chirard. Light rose.  
 Mad. Geo. Schwartz. Rose, glossy; free.  
 Madame Marie Finger. Light rose, with darker centre. Large flower and foliage. Vigorous growth.  
 Madame Riviere. Delicate rose.  
 Magna Charta. Bright pink, suffused with carmine.  
 Maria Rady. Splendid crimson.  
 Maurice Bernardin. Vermilion, crimson shade.  
 Mons. Boncenne. Very dark crimson.  
 Pæonia. Clear, bright rose; fragrant.  
 Paulin Talabot. Dazzling carmine. 50 cents.  
 Paul Neron. Very large dark rose; good foliage; by far the largest variety in cultivation; very desirable.  
 Paul Verdier. Large clear rose.  
 Pius IX. Rose, delicately shaded.  
 Prince de Rohan. Rich, dark, velvety-crimson.  
 Rev. H. Dombtrain. Carmine.  
 Rev. J. B. M'Cam. Very bright rosy pink; fine form; very sweet. Constant and distinct.  
 Roi des Espagne. Fine carmine.  
 Souv. de Chas. Montault. Fire red.  
 Star of Waltham. Crimson. 50 cents.  
 Victor Verdier. Carmine, large and full.

#### WHITE HYBRID PERPETUAL ROSE.

Boule de Neige. Pure white. 75 cents.  
 Coquette des Alps. Fine white; flowers in clusters. 50 cents.  
 Coquette des Blanchès. Pure white. 50 cents.  
 Lady Emily Peel. White, edged rose. 30 cents.

Mad. Alf. de Rougemont. Pure white, shaded with rose. 50 cents.  
 Mad. F. Pittet. Pure white; beautiful. 50 cents.  
 Mad. Lacharme. White, shaded with rose, changing to pure white. \$1.



WHITE HYBRID PERPETUAL ROSE—*Continued.*

Olga Marix. White, shaded blush. 50 cents.  
 Pearle des Blanches. Pure white, vigorous and free.  
 30 cents.

Perfection des Blanches. Pure white; vigorous.  
 30 cents.  
 Reine des Blanches. Flesh color. 50 cents.

## BOURBON ROSE.

This class contains some of our choicest ever-blooming Roses; they require but a slight protection during the winter. 30 cents; \$3 per dozen, except where noted.

Appoline. Fine pink.  
 Gloire de Rosamene. Bright crimson, semi-double,  
 climbing habit, free.  
 Hermosa. Pink.  
 Hermosa (climbing). Pink, climbing habit.  
 Imperatrice Eugenie. Large, full rose color.  
 Jos. Paxton. Cherry rose.

Jules Cæsar. Cherry carmine. 75 cents.  
 Mrs. Bosanquet. Large blush, free.  
 Peerless. Cherry.  
 Prince Napoleon. Fine carmine.  
 Queen of Bedders. Rich dark crimson, very free.  
 50 cents.  
 Souvenir de Malmaison. Blush, large, fine.

## BENGAL, CHINESE, OR DAILY ROSE.

25 cents; \$2.50 per dozen.

The brilliant colors of many roses of this class, as well as their constant blooming and dwarf habit, render them great favorites for window-gardening and winter blooming; they are also equally adapted for the flower-bed or pot-culture. The following select sorts are the most desirable:

Agrippina. Deep crimson.  
 Archduke Charles. Changeable.  
 Cels. Blush.  
 Ducher. Pure white.  
 Eugene Beauharnais. Crimson.  
 Indica Alba, or White Daily.  
 James Sprunt, or Climbing Agrippina.

Lemesel. Fine double rose, fine form.  
 Louis Philippe. Crimson and rose.  
 Lucullus. Dark crimson.  
 Nemesis. Sparkling crimson, fine bloomer.  
 Petit Nini. Amaranth, shaded with black.  
 Pink Daily. Pink.  
 Saaguinea. Blood-red.

## TEA-SCENTED ROSE.

This class comprises the most of the "Ever-blooming" Roses. They are, however, quite as much prized and admired for the delicious fragrance and the exquisitely beautiful forms of their flowers, as for their free-blooming qualities. They make excellent bedders, yielding a constant succession of flowers throughout the entire season, and are also well adapted for pot-culture. In color they embrace all shades from the purest white to bright crimson, and from light straw to rich orange.

## Select List of New and Old Varieties.

30 cents; \$3 per dozen, except where noted.

Aline Sisley. Color varies from red to purplish rose;  
 very fragrant.  
 Anna Olivier. Light salmon yellow.  
 Bella. Pure white.  
 Belle Lyonnaise. Canary yellow, shaded salmon.  
 Bon Silene. Carmine and salmon.  
 Bougere. Rosy bronze; large.  
 Canarie. Fine yellow.  
 Catharine Mermet. Bright flesh color, full and beau-  
 tiful.  
 Chamois. Yellow, shaded dark yellow.  
 Comtesse de Labarthe. Fine salmon rose, globular  
 bud.  
 Comtesse Riza du Parc. Flowers medium size to  
 large, double, globular; color beautiful rose on a cop-  
 per ground; very vigorous grower.  
 Cornelia Cook. Large buds of perfect form, color  
 creamy white.  
 David Pradel. Carmine shaded with rose; extra.  
 Devoniensis. Creamy white.  
 Douglas. Rich crimson.  
 Duchess of Edinburgh. The new crimson-flowered  
 tea-rose, resembling a Bengal rose; beautiful.  
 Gloire de Dijon. Blush and yellow. 30 to 75 cents.  
 Helvetia. Salmon, with peach-colored centre. 50  
 cents.  
 Homere. Rose, salmon centre.  
 Innocenta Pirola. Creamy white, medium.  
 Isabella Sprunt. Sulphur, white shade.  
 Jean Pernet. Creamy yellow, with deep yellow centre;  
 double.  
 Le Nankin. White, base of petals bright nankin  
 yellow.

Le Pactole. Pale yellow.  
 Letty Coles. A fixed sport of the fine tea-rose Madame  
 Willermoz, in form resembling that fine rose, in color  
 a beautiful pink. 50 cents.  
 Louis Richard. Orange-yellow, with a coppery-red  
 shade.  
 Madame Azalie Imbert. Buff yellow.  
 Madame Bravy. Pure white.  
 Madame Camille. Very fine light rose.  
 Madame Cecile Berthod. Very double, deep yellow.  
 Madame Celine Noirey. Large rosy purple.  
 Madame Damaizin. Salmon rose.  
 Madame Falcot. Nankin yellow.  
 Madame Margottin. Dark yellow, with rose centre;  
 very fine.  
 Madame Russell. Creamy buff, shaded with pink.  
 Madame Willermoz. Very large creamy white.  
 Mad'le Rachel. Lemon yellow, beautiful.  
 Marechal Niel. Bright golden yellow, large and fine  
 form, with thick feathery petals, opening well, fra-  
 grant, climbing habit. The finest acquisition for  
 many years, and should be in every collection. 30  
 cents to \$1.  
 Marie Arnaud. Canary yellow.  
 Marie Guillot. White tinted with yellow.  
 Marie Sisley. Cream white, bordered with rose; fine.  
 Marie Van Houtte. Very large and double creamy  
 white.  
 Niphotos. Pure white, full, fragrant, fine magnolia-like  
 petals.  
 Olympe Fraciney. White, shaded with yellow; fine.  
 Perle des Jardins. Beautiful straw-color, sometimes  
 deep canary; fine.

## TEA-SCENTED ROSE—Continued.

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| Perle de Lyon. Very large double yellow, strong grower and free flowering. 50 cents. | Souvenir D'Un Ami. Bright rose, large, perfect form, fragrant; one of the best. |
| Reine de Portugal. Golden yellow, shaded with coppery rose. 50 cents.                | Triumphe de Luxembourg. Rose.   |
| Safrano. Saffron yellow.   | Vallee de Chamounix. Orange yellow, shaded lilac.                               |

## MOSS ROSES.

Most of the varieties bloom but once in a season; the flowers and buds are very large and remain in bloom a very long time, and are highly prized. 50 cents.

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| Blanc. White.   | Luxembourg. Bright crimson scarlet, large and mossy. |
| Capt. Ingram. Dark velvety purple.                            | Mad. Ed. Ory. Rich crimson.                          |
| Coutesse de Murinais. Large, pure, white, beautifully mossed. | Madame Moreau. Vermilion red, veined with white.     |
| Crested Moss. Rose, crested.                                  | Princess Adelaide. Bright rosy pink, large.          |
| Glory of Mosses. Fine rose, very mossy.                       | Raphael. Pinkish white, mossy.                       |
| James Veitch. Deep violet, shaded crimson. \$1.50.            | William Lobb. Purplish violet.                       |
| Henry Martin. Carmine.  |  |

## NOISETTE ROSES.

40 cents; \$4 per dozen.

These Roses are free-blooming, flowering in clusters, of taller habit than the foregoing classes; some of them are very fragrant. Those marked with an \* are adapted for training to trellises and pillars.

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|---|-------------------------------|
| America. Creamy yellow.                   | *Lamarke. Creamy white.       |
| Amie Vibert. Pure white.                  | *Monstrosa. Blush.            |
| Beauty of Green Mount. Deep rose.         | *Olif. Pink.                  |
| Caroline Custer. Light buff yellow; free. | Ophire. Buff.                 |
| *Chromatella. Cloth of gold.              | *Sir Walter Scott. Deep rose. |
| *Fellenberg. Crimson.                     | *Solfaterre. Yellow.          |
| *Jaune Desprez. Rosy buff.                | *Washington. White.           |

## PRAIRIE ROSES.

Very hardy climbers. 40 cents.

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|---------------------------|---|
| Baltimore Belle. Blush.   | Gem of the Prairies. Rich rose color; fragrant. |
| Prairie Queen. Deep rose. |   |

## MISCELLANEOUS.

Those marked \* are climbers. 40 cents.

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| Fortune's Double Yellow. Yellow, shaded with crimson. | Sweet Brier. Rosy pink.                         |
| Grevilla or Seven Sisters. In clusters, changeable.   | Yellow Persian. Rich yellow.                    |
| Laura Davoust. Blush.                                 | *White Banksia. Fragrant.                       |
| Ma Surprise. White, centre shaded with salmon.        | *White Mycophylla. White.                       |
| Madame Plantier. Pure white.                          | *White Musk Cluster. Pure white, very fragrant. |
|   | *Yellow Banksia. Fragrant.                      |

## STEPHANOTIS FLORIBUNDA.

One of the most charming hothouse climbers, growing rapidly, with long, glossy, deep green foliage, and producing clusters of pure white flowers, deliciously fragrant; very extensively used for cut flowers. 75 cents.

## SUMMER CLIMBERS.

Very useful, free-flowering and rapid-growing climbers for decorating verandas, trellises, screens, etc., blooming all summer and autumn.

- Cobæa. See special description. 25 cents.
- Ipomœa Leari. Large azure-blue convolvulus flowers. 20 cts.
- Lophospermum Scandens. Foxglove-like, rosy purple flowers.
- Madeira Vine. See special description. 10 cents.
- Manettia Cordifolia. See special description. 25 cents.
- Maurandias. Exquisite slender climbing plants, with graceful foliage and handsome white, pink and purple trumpet-shaped flowers. 15 cents; \$1.50 per dozen.
- Alba. White. Barclayana. Purple. Rosea. Rose.
- Thunbergias. Very desirable for vase plants, blooming incessantly; white, buff and orange flowers, with black eyes. Each color, 15 cents; \$1.50 per dozen.
- : O : —
- Sanchezia Nobilis Variegata. A noble plant when well grown in the hothouse, valuable for decoration; large leaves, beautifully variegated. 50 cents.
- Saxifraga Fortunei. 20 cents.
- Sedum Carneum Variegatum. Light green lance-shaped leaves, edged with white. 30 cents.
- Sieboldi. Small round leaves, rose-colored flowers; hardy. 20 cents.
- Variegata. Same as above, leaves edged with white; hardy. 30 cents.
- Stenotaphrum Glabrum Variegatum. A curious and ornamental grass. For a vase plant, in trailing over the sides, it is unequalled; foliage beautifully striped with pure white. 20 cents; \$2 per dozen.
- Strelitzia Regina. The Queen plant. \$2.50 to \$4.

## STEVIA.

White winter-blooming plants of great value, vigorous growth, and free flowering. 20 cents; \$2 per dozen; \$8 per hundred.

**Compacta.** Snowy-white flowers, early bloomer.

**Serrata Variegata.** Leaves edged with white. This is one of the most effective ribbon-bedding plants adapted to our climate; it may be trained to any height by pinching. For inside rows of ribbon beds it is very effective when bedded in full sun; then the color is nearly white.

## SENECIO—German or Parlor Ivy.

Very useful climbers for inside or open ground decoration, free growers and well adapted to basket or vase culture. 15 cents; \$1.50 per dozen.

**Macroglossus.** Dark metallic green leaves, veined with silvery gray, thick and fleshy, which resemble the English Ivy; large golden yellow flowers.

**Scandens.** Light green leaves, rapid grower.

## DOUBLE TUBEROSE.

One of the most delightfully fragrant and beautiful of the summer flowering bulbs, throwing up tall spikes of double white flowers three feet high, which remain in bloom a long period. By skilful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March, in the green-house or hot-bed; and for a succession they can be planted at intervals as late as August. For flowering in the open borders plant about the 1st of May. We grow many thousands of these roots, and are in a position to supply the finest bulbs. 10 cents; \$1 per dozen; \$6 per hundred. Started in pots for early flowering, \$2 per dozen.

## New Double Tuberose "Pearl."

The value of this sort over the common variety consists in its flowers being of large size, imbricated like a rose, dwarf habit, growing only from eighteen inches to two feet in height; its short growth making it desirable as a pot plant or for winter forcing. 10 cents; \$1 per dozen; \$6 per hundred. Started in pots, \$2 per dozen.

**Variegated-leaved Tuberose.** Leaves striped with light yellow, very showy when planted in masses; flowers single. 20 cents; \$2 per dozen.

## TORENIA.

**Asiatica.** An exquisite, tropical soft-wooded plant, producing a profusion of waxy, porcelain blue flowers, tipped with rich violet purple, in constant succession; it succeeds admirably out of doors in the summer season, where the situation is moist and half-shady, and from its trailing habit is well adapted for vases, rustic baskets, rock-work, etc. 20 cents.

**Bailioni.** Trailing habit, producing bright golden yellow flowers with a deep brownish-red throat. It thrives as well in the open border as the green-house or window-box for summer decoration. 20 cents.

**Fournieri.** This new annual variety, producing large sky-blue flowers, with three spots of a dark blue and a bright yellow centre, has proven a splendid bedding variety. Exposed to the full sun, it forms a compact bushy plant about one foot high, which commences to flower in June and continues incessantly until frost; fine for massing or edgings. 15 cents; \$1.50 per dozen.

## TRITOMA UVARIA GRANDIFLORA.

A splendid summer and autumn flowering plant, with stately flower scapes and magnificent terminal dense spikes of rich orange-red flower tubes; familiarly known from its glowing colors as the "Red-hot Poker." Hardy with protection. 25 cents.

## TRADESCANTIA.

Often called "Wandering Jew," and very pretty for baskets and fountains, growing rapidly, with handsome foliage. 15 cents; \$1.50 per dozen.

**Discolor.** An upright growing sort, light green leaves, the under side violet-purple, good for a centre plant of baskets, etc.; strong grower. 30 cents.

**Multicolor.** The leaves are longitudinally marked and

banded with green, white and purple, and flushed with pink.

**Vittata.** Bright green, striped white.

**Zebrina.** Leaves striped silvery white on dark ground.

## TABERNÆMONTANA CAMASSA.

A green-house shrub of neat, compact habit, resembling the Gardenia in growth and fragrance of flowers; pure white double flowers, fine for cut flower work. 50 cents.

## THE VERBENA

Is the most useful and popular of our bedding plants, yet for want of proper cultivation, many fail to grow it to perfection. Frequent change of soil is necessary. A fresh, sandy loam, enriched with well-rotted manure, or sods from a pasture, well rotted before using, we have found the best mixture. A simple plan, when it is not practicable to renew the entire bed, is to dig holes about one foot square and deep, wherever a plant is desired, and fill up with fresh soil, as above named. We have devoted much labor and care in the annual selection of our Verbena seed, and with over an acre bed to select from, we are in a position to secure first-class novelties in point of color, habit and growth.

Price to name or color, \$1.25 per dozen; without names, assorted colors, \$1 per dozen; \$6 per hundred.

**Basilisk.** Clear pink, white eye.

**Beethoven.** Rich scarlet.



VERBENA.

## THE VERBENA—Continued.

Bijou. Dark scarlet, large white eye.  
 Black Hawk. Rich maroon, shaded black.  
 Blue Bird. Blue, white eye.  
 Blue Boy. Indigo blue, white eye.  
 Brilliant. Rose, crimson centre.  
 Candidissima. The finest white bedder.  
 Defiance. Fine scarlet bedder.  
 Display. White, striped carmine.  
 Esmeralda. Bright pink, light centre.  
 Excelsior. Dazzling scarlet, small white eye.  
 Hesperas. White, large violet, crimson centre.  
 Jubilee. Crimson, white eye.  
 Magnus. White, striped lilac and purple.  
 Mrs. Hayes. Rosy carmine, very large.

Mrs. Woodruff. The finest scarlet.  
 Monitor. Maroon, splashed with white.  
 Murillo. Striped purple and white.  
 Nemesis. Deep cherry, light centre.  
 Neptune. Blood red, white eye.  
 Oracle. White, flaked with scarlet.  
 Purple King. Deep purple.  
 Regalis. White, with blue band through each petal.  
 Rosina. White, maculated with pink.  
 Seraph. Scarlet, white eye.  
 Talisman. White, striped with scarlet.  
 Temple. White, with a pink band through each petal.  
 Vesta. Finest large pure white; fragrant.  
 Vulcan. Scarlet, black centre.

## TIGRIDIA—Shell-Flower.

The flowers are about four inches in diameter. The bulbs are planted about the middle of May, and taken up in October and kept over winter in dry sand.

Conchiflora. Orange, with crimson spots, flowering from July to October. Curious and beautiful shell-like flowers. 10 cents; 75 cents per dozen.  
 Pavonia. Red, with crimson spots. 10 cents; 75 cents per dozen.

## VINCA.

This old and popular plant should be in every garden, producing its masses of bloom from June to frost; of compact bushy growth. Its continual bloom makes a desirable plant for massing. 15 cents; \$1.50 per dozen; \$3 per 100.

Alba. Pure white.  
 Alba Oculata. White, crimson eye.

Rosea. Rose, dark eye.

## VINCA—Periwinkle.

Harr'soni. A beautiful variegated trailing plant, rapid growth, leaves dark green, centre light green, light blue flowers. 15 cents; \$1.50 per dozen.  
 Major Variegata. Similar to the above in growth, leaves glossy green, broadly margined with creamy white, blue flowers; both sorts admirably adapted to hanging baskets and vases. 15 cents; \$1.50 per dozen.

## VIOLET.

It is one of the leading florists' flowers for bouquets and cut flowers. All the varieties should have a slight protection of leaves during the winter. A better plan to insure early spring flowering is, to plant in cold frames in the fall. They thrive best during the summer, in a shady situation, in a rich, deep soil. 15 cents; \$1.50 per dozen, except where noted.

Belle de Chatenay. Double white, border of petals embroidered with lilac.  
 Marguerite de Savoie (New). A very large deep blue double flower, fragrant. This variety is destined to become the leading variety of this class; the best violet sent out for years. 25 cents; \$2 per dozen.  
 Marie Louise. Deep violet blue; very fragrant and free-flowering. It should be grown by all interested in the culture of cut flowers, on account of its easy forcing qualities.  
 Neapolitan. Light blue, large, double, and exquisitely fragrant.  
 Odorata fl. pl. The old double Russian violet, producing large double dark blue flowers, very fragrant. 25 cts.  
 Queen Victoria. A large single-flowering sort, deep blue, very fragrant and free; a good forcing variety. It is a vigorous grower, an abundant bloomer.  
 Schönbrun. Single, deep blue; very fragrant.  
 White Czar. Single white flowers, sweetly scented, strong and free.

Valotta Purpurea. Brilliant scarlet flowers, like an Amaryllis. It blooms in August, and should be cultivated in pots. 30 cents.  
 Viburnum Tinus (Laurustinus). White flowers, buds rose-colored. 25 cents to 50 cents.  
 Vitis Variegata. Hardy climber, variegated leaves, purple berries. 25 cents.

## WISTARIA—Chinese Glycene.

One of the most popular hardy vines, growing rapidly, climbing to a height of fifty feet or more, and when in bloom presents a truly magnificent appearance. The plants offered are all strong, pot-grown, transplant easily, and give satisfaction.

Multijuga. A new variety from Japan, with very elegant foliage and flowers of lilac and blue. 50 cents to \$1.  
 Sinensis. The favorite, producing thousands of rich clusters or pendulous racemes of delicate violet-blue blossoms, richly perfumed. 50 cents.  
 Sinensis Alba. A white variety of the above. 50 cents to \$1.

## YUCCA.

Alcæifolia. Handsome purplish green. 50 cents.  
 Alcæifolia Variegata. Very fine. \$1 to \$5.  
 Filamentosa (Adam's Needle). Hardy and very ornamental, long, narrow leaves, from the edges of which hang long, white threads. The flower-stem rises to a height of five feet, bearing a spike of large, creamy white, bell-shaped flowers; very striking. 25 cents; \$2.50 per dozen.

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# DREER'S GARDEN CALENDAR FOR 1883.

CONTAINING COMPLETE LISTS OF FRESH AND GENUINE

## GARDEN, FIELD AND FLOWER SEEDS,

### Bulbs, Horticultural Implements,

### LAWN MOWERS, LAWN SPRINKLERS, AND GARDEN REQUISITES.

MAILED FREE TO ALL APPLICANTS.

**JANUARY.**

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**MAY.**

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**OCTOBER.**

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**JULY.**

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**AUGUST.**

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**DECEMBER.**

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