

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

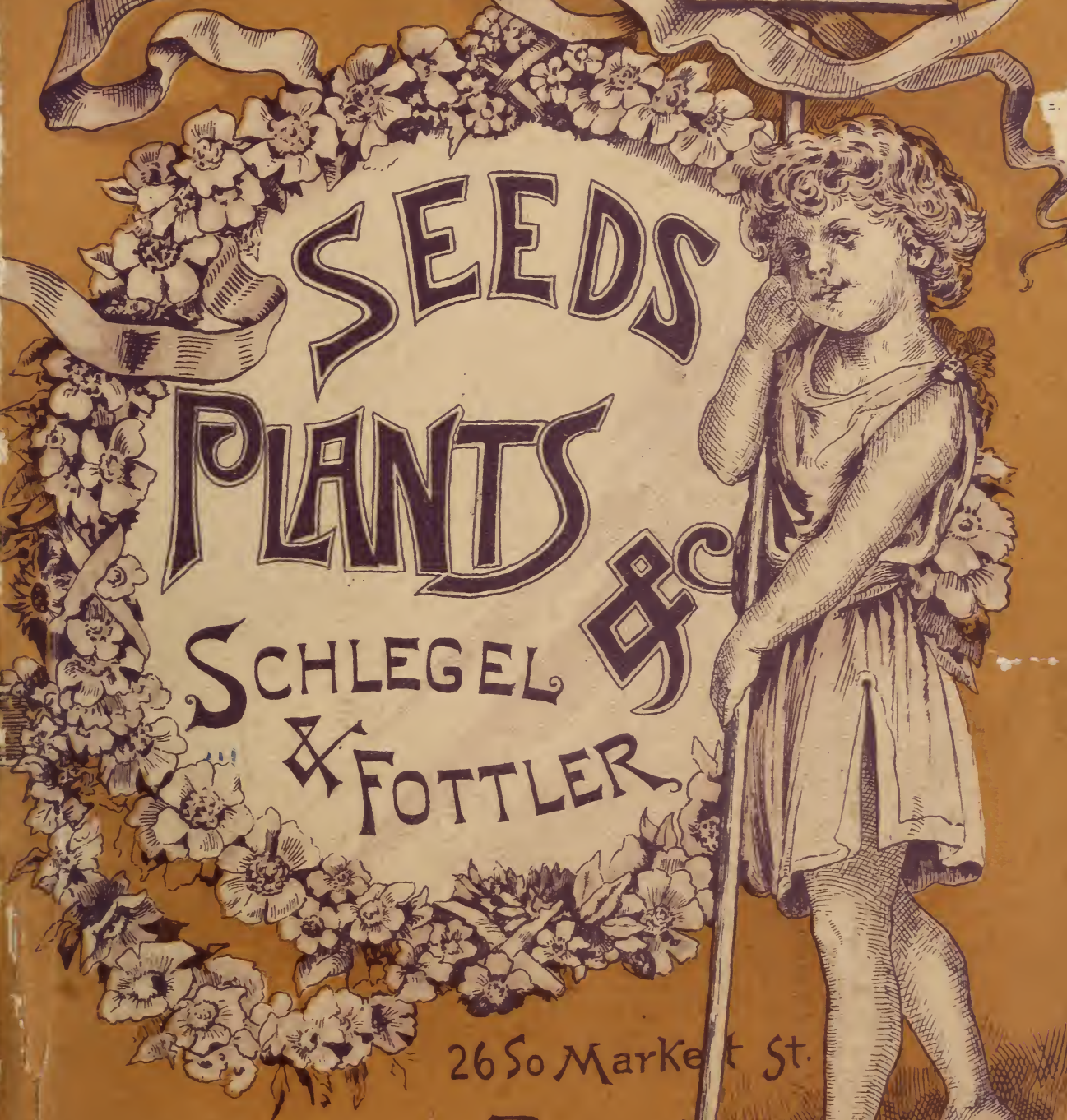
62.39

7890

Entered for
Dec 9th 1915

ANNUAL
CATALOGUE OF

1890
A 90



SEEDS
PLANTS

SCHLEGEL &
& FOTTLER



26 So Market St.

BOSTON

MASS

CABLE * OF * CONTENTS.

	PAGE.		PAGE.
ACHIMENES	71	INSECT EXTERMINATORS	92
AGAPANTHUS	71	IRIS KÄMPFERRII	73
AMARYLLIS	71	LAWN MOWERS	97
ASPARAGUS ROOTS	4-77	LILY BULBS	70, 71
AXLE PASTE	99	LILY, CLIMBING	73
BEGONIAS	72	MADEIRA VINE ROOTS	73
BIRD SEEDS	40-41	MAW SEED, (BLUE POPPY)	40
BIRD GRAVEL	41	MILLA BIFLORA	73
BONE MEAL	98	MILLET SEEDS	40
BOOKS ON GARDENING	41	MONTBRETIA POTTSI	73
BOUQUET WIRE	91	ORNAMENTAL GRASS SEEDS	66
BROOM CORN	41	PÆONIES	74
CALADIUM ESCULENTUM	72	PANCRATIUM MARITIMUM	74
CANNAS	72	PARIS GREEN	92
CANE STAKES	94	PARIS GREEN SIFIERS	93
CARBOLIC PURIFYING POWDER	41	PARROT FOOD	41
CAULIFLOWER, FOTTLER'S CHAMPION, (<i>see colored paper.</i>)		PLANTS, BEDDING SORTS	75, 76
CHIVES	77	PLANTS, NEW AND RARE SORTS (<i>see colored paper.</i>)	
CHRYSANTHEMUM PLANTS (<i>see colored paper.</i>)	70	PLANTS, PERENNIAL SORTS	76-77
CLEMATIS	79	PLANT SPRINKLERS, RUBBER	93
CLOVER SEEDS	36	PLANT STAKES	94
CUTLERY	95	PREMIUMS TO CLUBS	66
CUTTLE-FISH BONE	41	PRUNING SHEARS	95
DAHLIAS	69	RICE, UNHULLED, OR PADDY	40
FERTILIZERS	98	ROFFEA	92
FIR-TREE OIL	92	ROSE BUSHES	78, 79
FLAX SEED	41	RUBBER HOSE	93
FLORISTS' SUPPLIES, ETC.	91	SCYTHE STONES	95
FLOWER POTS, SAUCERS, ETC.	96	SHRUBS, HARDY SORT	80-82
FLOWER SEEDS (<i>in alphabetical order.</i>)	42-68	SMALL FRUITS	86, 87
FLOWER SEEDS, PERENNIALS	67-68	STRAWBERRY PLANTS	87
FLOWER SEEDS, NOVELTIES AND SPECIAL-TIES (<i>see colored paper.</i>)		SUGAR CANE	41
FLOWER SEEDS, ASSORTED PACKAGES	66	SULPHUR	92
FLOWER SEEDS FOR WILD GARDENS	66	SULPHUR BELLOWS	92
FRUIT TREES	83-86	SUNFLOWER	40
FUMIGATORS	94	SYRINGES	90
GARDEN LINES AND REELS	95	TABLE OF SEEDS, ETC., TO THE ACRE, (<i>see inside of cover.</i>)	
GLADIOLUS BULBS (<i>see colored paper.</i>)	73	TARRAGON PLANTS	77
GLOXINIAS	73	THERMOMETERS	95
GRAFTING WAX	41	TIGRIDIAS	75
GRAFTING CHISELS	95	TIN FOIL	91
GRAIN	40	TOBACCO AND SULPHUR	93
GRAPE VINES	87-88	TREE INK	41, 99
GRASS SEEDS	38-39	TREES, DECIDUOUS	89, 90
GRASS SEEDS, SPECIAL MIXTURE FOR PASTURES	37	TREES, EVERGREEN	88
GRASS SHEARS	95	TRELLISES	94
GRASS HOOKS	95	TRITOMA UVARIA GRANDIFLORA	74
GUANO	98	TROWELS	95
HEDGE PLANT SEEDS	36	TUBEROSE BULBS	74
HEDGE SHEARS	95	TYING MATERIALS	92
HERB SEEDS	35, 36	VEGETABLE SEEDS (<i>alphabetical order.</i>)	3-35
HOLLYHOCKS	72	VEGETABLE SEEDS, NOVELTIES AND SPECIALITIES (<i>see colored paper.</i>)	
HOP VINE	79	VERBENA BASKETS	91
HOT BED MATS	96	VETCHES	41
HYACINTHUS CANDICANS	73	WEEDERS	91
HOSE MENDERS	100	WOOD, POT AND GARDEN LABELS	91

See colored paper for New Varieties of Vegetables, Flowers, Plants, &c., &c., &c.

SCHLEGEL & FOTTLER'S

ORDER SHEET

— FOR —

Flower and Vegetable Seeds.

Name,	Amount Enclosed, P.O. Order, \$.....
Post Office,	" " Draft,
County,	" " Cash,
State,	Total, \$.....
	Date, 18

NAMES OF SEEDS WANTED.

PRICE.

NAMES OF SEEDS WANTED.

PRICE.

ORDER SHEET

Amount brought forward,

Produce and Y. Goods

London Produce, 200 lbs

Per lb

Per lb

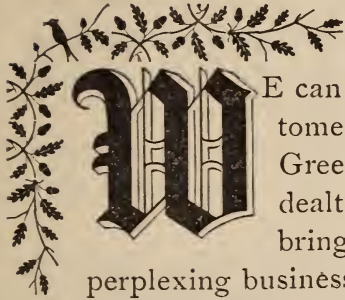
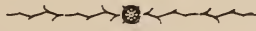
Total

8

—Total amount due

FOR REMARKS.

TO OUR CUSTOMERS.



WE can add but little to what has been presented to our customers upon this — our page of introduction and Annual Greeting. Our efforts to please and satisfy those who have dealt with us appear to be well recognized — a fact that brings much pleasure to what would otherwise be a very perplexing business.

Although we have always chosen to follow a rather conservative course, our record shows constant and steady progress; this encourages us to continue the straightforward systematic policy in our business affairs we have from the first adhered to.

Our business success has been largely due to the SUPERIOR QUALITY of the Stocks we sell; *we deal in no second grade of anything*; as an illustration of these facts we will state that many of the most prominent seed-houses in this Country and in Europe often send to us for various special strains of seeds to grow their Stock from. We do an extensive business with two very critical classes of customers: Market-gardeners and regular Florists. Seeds which satisfy these branches of trade are certainly safe for the general public to use. Our Seed-rooms — the largest in this city — enable us to carry large stocks of seeds, and we are constantly improving our business facilities.

We have added still further room to our hot-houses. **In these we make a complete test of all seeds we offer. This is our invariable rule.**

Our Stock of Seeds is larger and more complete than ever before, although the past season has been in many localities very unfavorable to seed growers.

Send early orders, and there will be no cause for complaint at delays in their execution.

It is a mistake to suppose that all varieties of seeds can be successfully grown in any one locality; a very large variation in climate and soil being necessary to secure the best seeds of various sorts. The idea of growing the major portion of the seed offered by any regular seedsman, upon one farm or in one locality, is impracticable and absurd in the extreme.

We do not send out agents or pedlers, nor do we supply seeds to be sold on commission. Much disappointment can be avoided by refusing to buy the ordinary cheap seeds sent out to sell in this way.

REMARKS TO PURCHASERS.

Our terms are net cash.—All bills are due the first of the month succeeding date of purchase, unless otherwise provided for by special agreement.

Our prices.—We shall adhere as closely as possible to the prices as quoted in this Catalogue; but with some sorts of seeds the market value is often variable. This is most noticeable in grass and clover seeds, bird-seeds, onion-sets, and seed potatoes. Quotations for such articles will be furnished as required.

Orders from unknown parties, to insure prompt attention, must be accompanied by a remittance, or by satisfactory reference to some responsible house or person in this city.

Remittances may be made at our risk by draft, money-order, American Express Company's money-order, cash by express or in registered letter, or in sums of two dollars or less by ordinary mail. Postage stamps may be sent for moderate amounts.

Seeds by Mail.—As seeds can be sent by mail to all parts of the United States, at the rate of ONE CENT FOR EACH TWO OUNCES, no person who wishes our seeds need be without them. (See our remarks on *orders* and *remittances* above, and write for what is wanted.) We send all seeds ordered at ounce or packet rates *free* of charge for postage. All heavy seeds, including peas, beans, corn, clover-seed, seed-grain, roots, etc., we do not send free; as these are quoted at *net* prices at our store. Purchasers desiring these by mail are requested to remit an additional amount sufficient to cover the postage, at the rate of EIGHT CENTS PER POUND, or FIFTEEN CENTS PER QUART. Particular attention is invited to this; as, when omitted, the cost of postage will be deducted from the amount received.

Address, etc.—In ordering, please use the order-sheet we send with each Catalogue, and be particular to sign your NAME, also that of your POST-OFFICE, COUNTY, and STATE, plainly; also mention the mode of conveyance you prefer—whether by mail, express, or freight. Serious delays are sometimes occasioned by failure to give attention to these matters.

Bags used in packing.—Clover and grass-seed bags and bird-seed sacks are not returnable; other bags, sent out on general orders at our regular prices, will be received at the same rates, if returned *sound and in good condition* within *thirty days* from date of sale. THIS AGREEMENT IS VOID IF THE BAGS ARE USED FOR OTHER PURPOSES BEFORE RETURNING. MEALY BAGS WILL NOT BE RECEIVED AT ANY PRICE.

Bags are furnished at following rates: quarter-bushel, 10 cents; half-bushel, 15 cents; one-bushel, 20 cents; two-bushel, 25 cents.

In remitting money for orders, please add a sum to cover the cost of the necessary bags.



VEGETABLE * SEEDS.



ARTICHOKE (*Cynaria scolymus*).

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

The seed should be sown in April, in a good soil, in drills ten to twelve inches apart, and about one inch deep. Protect the plants during the next winter with a light covering of litter, and the following spring separate the plants, and transplant into rows three feet apart, setting the plants two feet apart in the rows. The suckers, or offshoots, from established plants, may be used for propagating instead of sowing seed. The plant is a hardy perennial, growing three to four feet high, with numerous branches. Just before the flower is ready to open, the head is in condition to boil. The edible portion is the under side of the head, the leaves being separated after cooking, and eaten with butter, salt, and pepper. The above applies to the Green Globe artichoke, and not to the so-called Jerusalem artichoke, which is simply a species of sunflower (*Helianthus tuberosus*), and is a tuber that thrives well upon light, dry soil, and is cultivated for feeding to sheep and swine, the tops also being sometimes cut and cured as a dry fodder.

	PKT.	OZ.	LB.
Green Globe. The best for general use . . . . .	.05	.30	\$3.00

ASPARAGUS (*Asparagus officinalis*).

German, *Spargel*. — French, *Asperge*. — Spanish, *Esparrago*.

A bed of asparagus, when properly made, lasts many years, and should find a place in every garden; and to those who grow vegetables on a larger scale the asparagus crop is a most reliable one. Asparagus roots may be purchased in the spring at the seed-stores, or may be grown from seed sown in April or May, in good soil, in drills twelve to fourteen inches apart. The permanent bed should be made *very rich with well-rotted manure*, and thoroughly worked over to a depth of nearly two feet. The asparagus roots (either one or two years old) are to be transplanted into this bed, setting them in rows three to four feet apart, leaving about eighteen inches between the plants in the row. Lay the roots flat in trenches, spreading them well, and using care to have the crowns all placed in the same direction, to keep the roots from running together. Cover lightly at first, gradually filling the trenches as the plants begin to start: the crowns of the roots should be about six inches below the level of the bed. Avoid location near trees, particularly large trees, or their roots will soon take possession of the ground. All difference in varieties of asparagus is probably the result of care in selection, and natural adaptation of soils.

	PKT.	OZ.	LB.
Giant Purple Top . . . . .	.05	.10	\$0.75
Conover's Colossal. Large and prolific . . . . .	.05	.10	1.00
Moore's Giant. Uniform and large; the best variety . . . . .	.95	.15	1.25

ASPARAGUS ROOTS.

Conover's Colossal. One year	Per hundred	\$0.50
Conover's Colossal. Two year	" "	1.00
Moore's Giant. One year	" "	1.00
Moore's Giant. Two year	" "	1.50

BEANS, English (*Faba vulgaris*).

German, *Grosse Englische Bohnen*. — French, *Fève de Marais*. — Spanish, *Haba Inglis*.

English broad beans should be planted in the spring as early as the ground will permit. If planted late, they are usually overtaken by hot weather, also attacked by a small fly: these together result in the ruin of the crop. Plant sparingly, in rows two feet apart, in any good soil, and cultivate only in fair weather, and when the foliage is dry. As the pods get formed, top the plants, thus avoiding too much running to vine. Gather for cooking when the beans are grown to about half their natural size.

	PKT.	QT.	PECK.
Broad Winsor. Best sort for general use . . . . .	.10	.30	\$2.00

BEANS, Dwarf or Bush (*Phaseolus*).

German, *Busch Bohnen*. — French, *Haricot Nains*. — Spanish, *Habichuelas Enanas*.

Dwarf beans, as a rule, are more hardy, and earlier, than the running sorts. They are usually planted in drills, and stand well without support. The rows should be two to three feet apart, according to the character of the soil, and the covering about two inches. Beans will thrive upon light soils, although more profitably grown under good cultivation upon stronger land, where the rows should be kept well apart. Being quite tender, they should not be planted till danger from frost is over; and a dry, warm soil is needed to insure germination. The vines should not be disturbed when moist, or the pods will become rusty. A succession of plantings may be made from early in May till the first of September.

	PKT.	QT.	PECK.
Early China. Good as a string or shell bean . . . . .	.10	.25	1.25
Long Yellow Six Weeks. Excellent for early string-beans . . . . .	.10	.25	1.25
Early Mohawk. Very hardy; bears early planting . . . . .	.10	.25	1.25
Early Valentine. Round pods, early, good flavor . . . . .	.10	.25	1.25
White Wax. Waxen-podded, prolific, pods flat . . . . .	.10	.30	1.50
Black Wax. Early round-podded, stringless, excellent, wax pod . . . . .	.10	.30	1.50
Golden Wax. Equally good as the last, and more prolific . . . . .	.10	.30	1.50
Dwarf Horticultural. One of the very finest early shell beans . . . . .	.10	.40	2.00
Goddard. Similar to last named, but much larger . . . . .	.10	.30	1.50
Yellow Cranberry. Early string-bean; favorite with market-gardeners . . . . .	.10	.30	1.50
Refugee. Later sort; very productive; used for pickling . . . . .	.10	.25	1.25
Large White Marrow. Used as a dry bean . . . . .	.10	.25	1.25
Early Golden Eye Wax. New and superior. (See NOVELTIES.) . . . . .	.10	.40	2.50
White Pea. The most popular baking-bean . . . . .	.10	.20	1.00
Improved Yellow Eye. Largely grown for baking . . . . .	.10	.20	1.00
Turtle Soup. Small black bean for soups . . . . .	.10	.20	1.00
Low's Champion. Strong vine, green pods; extra sort . . . . .	.10	.25	1.25
Flageolet Wax. One of the best; pods extra long . . . . .	.10	.40	2.00
Henderson's Bush Lima. (See NOVELTIES.) . . . . .	.20	1.25	

BEANS, Pole or Running.

German, *Stangen Bohnen*. — French, *Haricots à Rames*. — Spanish, *Judios*.

The planting of the various sorts of pole-beans should be delayed a week or more after the first planting of the early dwarf sorts. The Limas and Sievas, being very

tender, will do better if not planted in the open ground before the first of June. Plant in hills about three feet apart, and one to two inches deep, using five or six seeds to each hill, and set a pole firmly in the centre. Manure liberally in the hill with well-composted fertilizer. Thin the plants, leaving three in each hill. Beans of a flat shape should be placed in the soil with the eye down: planted thus, they come up more readily.

	PKT.	QT.	PECK.
Large White Lima. Best shell-bean grown; a late sort . . . . .	.10	.40	\$ 2.50
Dreer's Improved Lima. Rather earlier and more productive than the last-named sort; pods well filled; equal in quality to Large White Lima . . . . .	.10	.40	2.50
Sieva, or Small Lima. Smaller and earlier than Large Lima . . . . .	.10	.40	2.00
Pole Horticultural. Used as a string-bean, to shell when green, or as a baking-bean; a great favorite . . . . .	.10	.30	1.50
Red Cranberry. Almost stringless; one of the very best of string-beans, . . . . .	.10	.30	1.50
White Caseknife. An early variety, excellent to shell, and useful as a string-bean . . . . .	.10	.30	1.50
Indian Chief. Yellow Pod, a string-bean preferred by many; stringless . . . . .	.10	.30	1.50
Mont D'Or Wax. Very prolific. . . . .	.10	.30	1.50
Concord. Similar in use to the Pole Horticultural . . . . .	.10	.30	1.50
Scarlet Runner. Very ornamental, free climber with bright scarlet flowers . . . . .	.10	.30	1.75
White Runner. Large white flowers, often planted with the Scarlet variety. The effect is very fine . . . . .	.10	.30	1.75

BEET (*Beta vulgaris*).

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

A rather light soil, well enriched, is best suited to the cultivation of the various beets. The mangels and sugar-beets in particular require very liberal manuring. For an early crop of table beets, sow the seed as early as the ground is in condition to work: light frosts will not injure the young plants. For a main crop, sow the first of May; and for winter beets, during the first two weeks in June. Sow in drills twelve to fifteen inches apart, and about one inch deep, pressing the earth firmly upon the seed,—a very important matter. Use about six pounds of seed per acre. Thin out when the plants are large enough. The varieties for table use should be left four or five inches apart, while the mangels and sugar-beets should stand ten to twelve inches apart, in the row. Hoeing and hand-weeding should be attended to early, as weeds must not be allowed to interfere with the young plants. The Swiss Chard (or silver beet) is extensively grown in many parts of Europe, and is an important vegetable amongst the laboring classes.

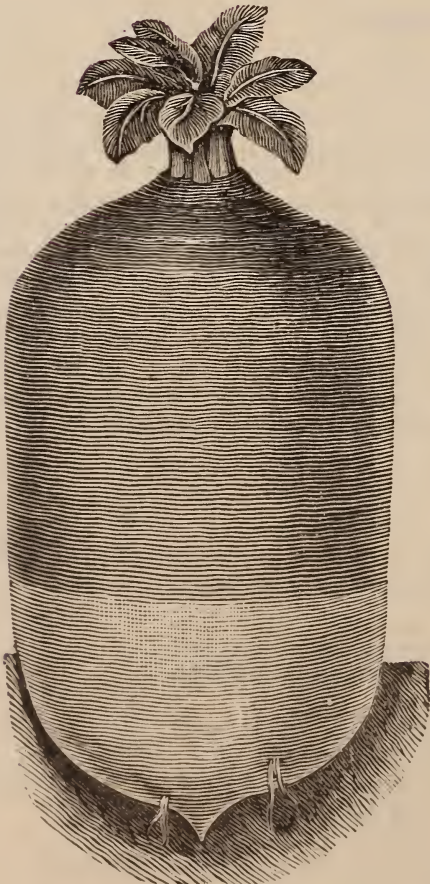
	PKT.	OZ.	LB.
Edmands' Turnip Blood. (See NOVELTIES.) . . . . .	.05	.10	\$.60
Egyptian Turnip Blood. The earliest of all beets, very flat in shape, free from coarse roots, and with a small top . . . . .	.05	.10	.60
Early Eclipse, of recent introduction; very early, dark blood-color, small top, and free from fibrous roots; will grow without thinning the plants. In shape it is more flat than Dewing's Beet . . . . .	.05	.10	.60
Bastian's Early. As early as Bassano, but of better color, being much darker, a very rapid grower, and much used for the early market . . . . .	.05	.10	.60
Dewing's Turnip Blood. Of a dark blood-red color, smooth and handsome; the variety most in demand for the main crop and for family use . . . . .	.05	.10	.60
Long Smooth Blood. A prolific variety, very dark in color; stands drought better than the turnip varieties. . . . .	.05	.10	.60
Swiss Chard. Used as greens, and the ribs of the leaves cooked and served as asparagus . . . . .	.05	.10	.75



Egyptian Turnip-Rooted Beet.



Dewing's Turnip-Rooted Beet.



Golden Tankard Mangel Wurzel.



Sugar-Beet.

—  —

VARIETIES GROWN FOR FEEDING STOCK.

Sow in April or May.

	PKT.	OZ.	LB.
White Silesian Sugar. The variety so much grown in Europe for sugar-making; very sweet, and keeps well; much relished by stock . . . . .	.05	.10	\$0.40
Mangel Wurzel, Long Red. One of the best sorts; large-sized; a good variety for general use . . . . .	.05	.10	.40
Mangel Wurzel, Norbiton Giant. A long red variety, preferred by many to common Long Red, as it is considered of better keeping quality; good for deep soils . . . . .	.05	.10	.40
Mangel Wurzel, Yellow Globe. Does better on shallow soils than the long varieties, and is more easily pulled; is also of richer quality, and an excellent keeper . . . . .	.05	.10	.40
Mangel Wurzel, Golden Yellow Mammoth. Offered last season for the first time; excellent. . . . .	.05	.10	.50
Mangel Wurzel, Golden Tankard. Yellow fleshed, fine form, very rich . . . . .	.05	.10	.50

BORECOLE, or Kale (*Brassica oleracea fimbriata*).

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

Sow early in May, in a prepared bed, and transplant in June, setting the plants and cultivating in the same manner as for cabbages. A strong soil, well manured, is required. The many varieties of borecole are all most delicious,—more delicate than cabbage, when boiled, the quality being improved after a light frost. They should receive more general attention.

	PKT.	OZ.	LB.
Dwarf Green Curled, or German Greens. Should be sown in August, in rows a foot apart, and treated the same as spinach. In this way early spring greens are obtained. For fall use sow in May . . . . .	.05	.20	\$2.00
German Dwarf Purple. A handsome variety for spring sowing . . . . .	.05	.20	2.00

BROCOLI (*Brassica oleracea botrytis*).

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

This plant is very closely allied to the cauliflower, the variation being very slight. It is generally considered rather more hardy, however. In growing brocoli, a seed-bed should be prepared, and the seed sown in May. The plants will be ready to transplant late in June, or early in July, and should be set in very rich, mellow ground, in rows about two and a half feet apart, leaving eighteen inches between the plants. In cool, moist fall weather brocoli thrives well; but, owing to the fact that failure so often results from heat and drought in August and September, its cultivation is rather limited.

	PKT.	OZ.	LB.
White Cape. Heads medium, compact, and creamy white; reliable to head . . . . .	.10	.40	\$4.00
Early Purple Cape. Rather hardier sort, with greenish purple heads; good flavor . . . . .	.10	.40	4.00

BRUSSELS SPROUTS (*Brassica oleracea var.*).

German, *Sprossen Kohl*.— French, *Chou de Bruxelles*.— Spanish, *Breton de Brusselas*.

A species of the cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, boiled in the same way as cauliflower. The seed should be sown about the middle of May, in a seed-bed, and the plants afterwards set in rows two feet or more apart, and cultivated like cabbage. This vegetable does not require extremely high cultivation, however. It is ready for use late in autumn, after the early frosts.

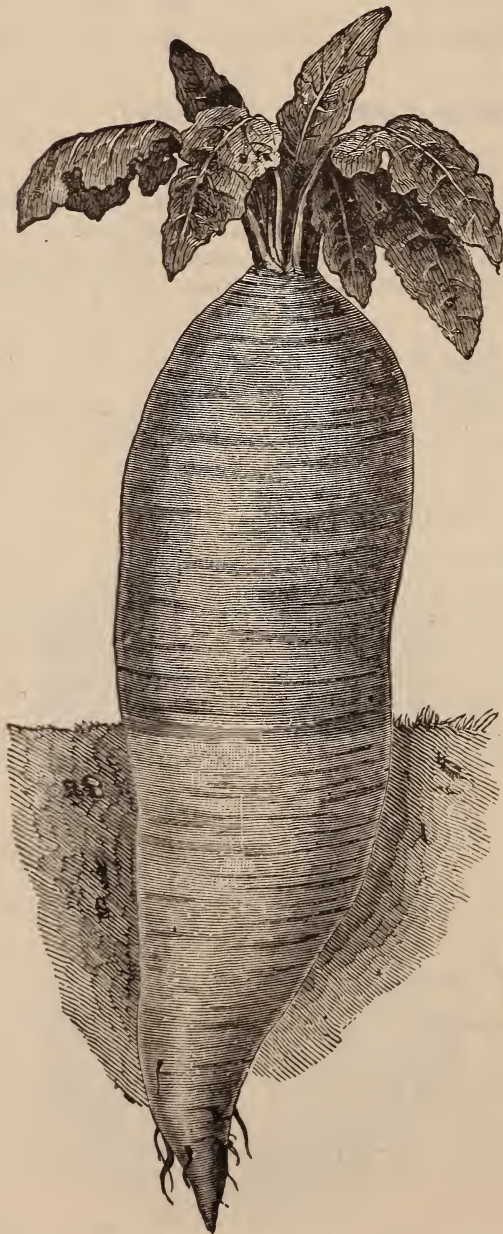
	PKT.	OZ.	LB.
Dwarf Improved French. The best for general use . . . . .	.05	.20	\$2.50



Beet, Swiss Chard.



Early Jersey Wakefield Cabbage



Long Red Mangel Wurzel.
"Norbiton Giant."



Globe Curled Savoy Cabbage.



Early Etampes.

CABBAGE (*Brassica oleracea*).

German, *Kopf-Kohl*. — French, *Chou Cabus*. — Spanish, *Reppollo*.

The cabbage crop is one of first importance to vegetable growers, and, to be successfully grown, needs great care and sound judgment, both as to the selection of proper seed and the cultivation throughout. The early, medium, and later sorts all thrive upon similar soils, yet need varying treatment. The soil along our seashores is peculiarly adapted to the growth of cabbage and its allies; in such localities, cabbages have often been grown for several consecutive years upon the same land, without injury from "club-root" (this is probably owing to the shell-lime contained in such soils); while, a few miles inland, club-root almost invariably appears where cabbages are grown two years in succession. It is possible, however, that a judicious use of lime (either in the form of bone-dust or some other) will eradicate the insect that causes club-root, and thus permit a succession of crops of cabbage. It is safer, however, to select either a piece of strong sward-land, or, if more convenient, land that has not borne crops of cabbage or turnips for two or three years previously. Sward-land should be ploughed in the fall, and again cross-ploughed in early spring, after a heavy dressing of strong manure; high cultivation is absolutely necessary. In this vicinity the larger portion of the early varieties are grown from seed sown in hot-beds in February or March, only moderate bottom-heat being required. Transplant into other frames, without much, if any, bottom-heat, as soon as the plants show the fourth leaf, setting them low in the earth to make them stocky. In April, or as soon as the ground can be easily worked, set out in rows three feet apart, and about eighteen inches between the plants. The smaller varieties may be grown a little closer. The ground should be thoroughly stirred with cultivator and hoe every week, till the plants cover the ground. Cold-frame plants are often used for early crops: such plants are obtained by sowing the seed about the middle of September, and later transplanting into cold-frames, where they are wintered over. These plants are desirable on account of their hardiness, and are less liable to become stunted when set in the open ground. In some localities a crop of celery is made to follow early cabbages the same season by setting every third row with celery-plants. (See remarks on *Celery Culture*.) For a fall crop, sow cabbage in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is ploughed in; thin out to one good plant in each hill. In the same way crops may be grown to lay in for winter use, planting seed as late as July 1 (the middle of June is about the right time, however).

	PKT.	OZ.	LB.
Early Etampes. The earliest known sort; heads oblong, small to medium; sure heading. (See <i>cut.</i>) . . . . .	.05	.30	\$ 3.00
Early Jersey Wakefield. A standard, very early variety; of medium size; in shape pyramidal, with a rounded peak; being very hardy, is well fitted to winter in cold frames; permits of close planting; needs an abundance of manure, and is reliable to head; bears handling well . . . . .	.05	.30	3.00
Henderson's Early Summer. A few days later than Wakefield, rather larger, and more globe-shaped; much used by market-gardeners; stands long in head . . . . .	.05	.30	3.00
Early York. A well-known early variety; of small size; shape, roundish oval; not grown as extensively as formerly . . . . .	.05	.20	2.00
Fottler's Brunswick. Introduced by us some twenty-five years ago. A general favorite sort throughout the country; the earliest drumhead of large size; small stem; sure to head . . . . .	.05	.30	3.00
Stone-Mason Drumhead. One of the very best for a main crop, and is unequalled for storing for winter use; is grown more extensively around Boston than any other drumhead . . . . .	.05	30	3.00
Warren's Stone-Mason. An improvement on the old strain of Stone-Mason; rounder in shape and very solid, and earlier than last-named sort. (See list of <i>Novelties and Specialties</i>.) . . . . .	.05	.40	4.00
Marblehead Mammoth. The largest variety of drumhead known; needs to be set about four feet apart each way; often grows to weigh sixty pounds per head; not considered the most profitable sort . . . . .	.05	.30	3.00
Winnigstadt. A sugar-loaf variety, some three weeks later than the earlier sorts; grows to good size, and does better on lighter soils than other sorts . . . . .	.05	.20	2.00



Fottler's Improved Brunswick Cabbage.



Boston Pickling Cucumber.



Upland Cress.



Boston Market Celery.

— > < —

CABBAGE (Continued).

	PKT.	OZ.	LB.
Premium Flat Dutch. A standard variety of late drumhead; much used at the South and West . . . . .	.05	.20	\$ 2.00
Globe Curled Savoy. A variety with finely curled leaves, and of more delicate flavor than any of the other varieties; used for a fall crop or for winter . . . . .	.05	.30	3.00
Drumhead Curled Savoy. Rather larger, and not quite so finely curled as the last-named sort . . . . .	.05	.30	3.00
English Curled Savoy. Used only to sow early in spring for greens . . . . .	.05	.10	.75
Red Drumhead. A great improvement on the Red Dutch, being much larger, and of handsomer form; used for pickling . . . . .	.05	.30	3.00

CARROT (*Daucus carota*).

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

Carrots are grown more for feeding to stock than for culinary purposes; although there is usually a market demand for considerable quantities for cooking, many of the early sorts being sold in bunches when about half grown. A rather light, sandy loam, deeply tilled, is best suited to the growth of carrots; and upon such soil, if it has been liberally fertilized the previous year, a good crop may be grown without much, if any, additional manure. Strong, fresh manure should never be used. Make the surface smooth, and sow in drills about fourteen inches apart, and about half an inch deep, thinning the plants, when large enough, so as to stand about three to four inches apart. April or May is the proper time to sow, varying the time accordingly as an early or late crop is wanted. Good crops have been grown from sowings as late as the 10th of June. Early weeding is very important.

	PKT.	OZ.	LB.
Early Scarlet Forcing. A small, turnip-shaped variety; used only for early forcing . . . . .	.05	.15	\$ 1.50
Early Scarlet Horn. A medium-sized root, half long, of fine color, and much used for cooking; grown for early use, and to sell in bunches; bears close planting . . . . .	.05	.15	1.00
Guerande (New). Rather more oval in form than Early Scarlet Horn, and much larger, of fine grain and deep orange color; excellent sort . . . . .	.05	.15	1.00
Half-long Scarlet Nantes. An improved stump-rooted variety, of fine color . . . . .	.05	.15	1.00
Danvers Half-Long. The best variety for general crop; is of rich orange color, and a good keeper; yields largely, and is easily harvested . . . . .	.05	.15	1.00
Long Orange. A large, long-rooted variety, much used for main crop; yields large crops . . . . .	.05	.10	.80
Large White Belgian. This variety grows about one-third out of ground, roots white, green above ground, grown extensively for feeding stock . . . . .	.05	.10	.60

CAULIFLOWER (*Brassica oleracea var.*)

German, *Blumen Kohl*. — French, *Choufleur*. — Spanish, *Coliflor*.

Cauliflowers require very high cultivation, even more so than cabbages, and plenty of moisture. Whether grown in the kitchen-garden, or upon a large scale, the crop is a paying one. The demand is evidently rapidly increasing, and there is no more delicious vegetable grown. Cold-frame plants are probably the best and hardiest for early crops; the frames, however, need rather more protection during cold nights than is required for cabbage-plants. Seed sown in hot-beds in February will produce plants that are not much, if any, inferior to cold-frame plants. They should be transplanted once, before setting in the open ground, and also should be gradually hardened by exposure; in this way they may be in condition to set out as early in April as the ground will permit. Set the early sorts about two feet by fifteen inches, and cultivate the same



as cabbages. Where irrigation is practicable, great advantage is thus obtained during a drought. For late cauliflowers, sow seed in open ground, from the middle of May to the middle of June, in hills the same as directed for late cabbages. When the heads are forming, tie the leaves together at the top, thus avoiding the discoloration by exposure to the sun.

	PKT.	OZ.	LB.
Fottler's Champion Erfurt. The very finest of all the cauliflowers; a very early dwarf variety, with heads of the largest size, compact and beautiful form, and of snowy whiteness. (See <i>Novelties and Specialties.</i>) . . . . .	.25		\$ 4.00
Erfurt Dwarf Earliest. Benary's choicest strain . . . . .	.25		4.00
Dwarf Early Danish. Tried last season for first time; superior in many respects. (See <i>Novelties and Specialties.</i>) . . . . .	.25		4.00
Henderson's Snowball. A variety much used in this and the New York markets. In our last year's trials, however, it did not compare with our best stock . . . . .	.25		4.00
Lenormand's Short Stemmed. A large late variety, producing well-formed heads of excellent quality; should be sown quite early . . . . .	.15		1.00

CELERY (*Apium graveolens*).

German, *Sellerie*.—French, *Celeri*.—Spanish, *Apio*.

But little celery is grown for early use; as it is not in its most palatable condition until about October, the bulk of the crop being used during November and later. For this reason it is generally grown as a second crop, following early cabbages, onions, peas, etc. The proper time to sow is early in April, transplanting about the first of June. Set in rows three feet apart, and about 12 inches between plants in the row. Some gardeners trim off the tops a little, while the plants are small, to make them more stocky. Keep down all weeds, and, as fall approaches, draw earth up to the plants, keeping the stalks well together. This earthing-up is continued at intervals, until only the leaves appear above the soil. When well blanched it is ready for use. For winter use it is usually placed in frames, and covered with earth and litter, or stored in cool cellars. Comparatively few soils are well suited to celery culture. Rich, mellow soils, of a sandy nature, are best; while soils that settle and become hard after rain are unsuitable. The seed, being very small, should be covered very lightly, and the earth firmly pressed down upon it. In setting early cabbages, to be followed by celery, it is usual to omit every third row—or, in an onion crop, every fifth or sixth row—as a space in which to transplant celery: in this way the celery is left to occupy the ground after the other crops are removed, the usual distance between the rows of celery being about six feet. It is necessary to plough-in a very heavy dressing of the best of manure to mature both crops.

	PKT.	OZ.	LB.
Boston Market. The dwarf, branching variety grown so extensively about Boston. It is unequalled by any other sort, being solid, crisp, and of excellent flavor; its compact dwarf habit allows closer planting, and requires less earthing-up than the taller sorts . . . . .	.10	.40	\$ 5.00
Early Arlington. A valuable sort for early use, rather taller than Boston Market . . . . .	.10	.40	4.00
Carter's Dwarf Crimson. A very handsome variety of a rosy crimson color; preferred by many on account of its superior flavor. Its culture should receive more general attention . . . . .	.05	.30	3.00
Henderson's White Plume. The stalk, and portions of the inner leaves and heart, are naturally white; needs very little earthing-up; crisp, solid, and of a pleasing nutty flavor, while its white, feather-like foliage places it ahead of all others as a table ornament . . . . .	.10	.40	4.00
Paris Golden. (Self blanching.) A new dwarf variety of great merit; of quick growth, and very early; beautiful golden yellow; solid and of excellent flavor. (See NOVELTIES.) . . . . .	.15	.75	
Celery-Seed for Flavoring. Used in flavoring pickles, soups, etc. . . . .		.10	.40



CELERIAC, or TURNIP-ROOTED CELERY.

German, *Knoll Sellerie*. — French, *Celeri Rave*. — Spanish, *Seleri*.

A variety of celery with roots of turnip-shape. It is grown in the same manner as ordinary celery, but may be set closer, — about eighteen inches by six inches. But little earthing-up is required. Can be kept in winter in same way as other celery. It is eaten as a salad, the roots being boiled and sliced, and used with vinegar.

	PKT.	OZ.	LB.
Erfurt. The best sort . . . . .	.05	.30	\$ 3.00

CHERVIL (*Scandix cerefolium*).

German, *Kerbel*. — French, *Cerfeuil*. — Spanish, *Perefollo*.

Cultivated the same as parsley; used for flavoring soups and stews; the tops only are used.

	PKT.	OZ.	LB.
Fine Curled. The best variety . . . . .	.05	.30	\$ 3.00

CHICORY (*Chicorum intybus*).

German, *Cichorien*. — French, *Chicoree*. — Spanish, *Sauvage à gros Racine*.

Grown for the roots, which, when dried and roasted, are ground for mixing with coffee; the mixture being preferred by many to pure coffee, as it is much richer in flavor. Cultivation of this plant precisely the same as for carrots.

	PKT.	OZ.	LB.
Large-Rooted . . . . .	.05	.20	\$ 2.00

CORN, Sweet or Sugar (*Zea Mays*).

German, *Zucker Mais*. — French, *Sucre Mais*. — Spanish, *Azucar Mais*.

All are so familiar with corn, it is unnecessary to describe its appearance or uses. Its cultivation is very simple, and with only ordinary care good crops are grown. Plant in any good soil, in hills three to four feet apart each way, accordingly as a dwarf or a tall-growing variety is planted. For early use, plant about the middle of May, and follow with successive plantings till July: use manure ploughed in, or in the hill, or both.

	PKT.	QT.	PECK.
Early Corey. Claimed by the introducer to be the very earliest sweet corn grown, being about a week in advance of all others. From many sources we learn that it proved to be enough earlier than other sorts to make it of much value, particularly where a few days often makes much difference in the price of the crop . . . . .	.10	.25	\$ 1.25
Early Minnesota. An early sort, of dwarf habit, ears small, very productive and of excellent quality . . . . .	.10	.20	1.25
Marblehead Extra Early. Considered a little earlier than other sorts, but has a strong resemblance to Early Narragansett, from which it is probably a selection . . . . .	.10	.25	1.25
Early Crosby. The very best early sweet corn; habit very dwarf, with ears set very low; a twelve-rowed variety, with white cob; ears good size . . . . .	.10	.25	1.25
Moore's Concord. Rather taller, and with larger ears, than Early Crosby, also a little later; a good sort for general use; twelve-rowed . . . . .	.10	.25	1.25
Excelsior. A medium late sort; grows good height, and yields numerous ears; the sweetest and most tender corn in the list; twelve-rowed ears of moderate size; requires liberal seeding, as it is delicate as to germinating . . . . .	.10	.25	1.25
Stowell's Evergreen. One of the latest and tallest-growing sorts; large ears, twelve to sixteen rowed, with very deep kernels; very sweet, and remains long in a green state. The stalks are valuable for fodder, as they are rich in sugar . . . . .	.10	.20	1.00

CORN (Continued).

	PKT.	QT.	PECK.
Mammoth Sweet. A late variety, with ears of the largest size; twelve to sixteen rowed, and of fine flavor . . . . .	.10	.25	\$1.25
Black Mexican. Ears of a bluish-black color when dry, but when in a green state the color is not so prominent; an extremely sweet variety; ears eight-rowed and of medium size . . . . .	.10	.25	1.25
Sweet Corn for fodder. Stowell's Evergreen grown specially for fodder bush. \$2.50			.75

CORN, Indian or Flint.

	EAR.	QT.	BUSH.
Early Yellow Canada. A very early, eight-rowed variety; bears close planting, and yields numerous ears, which fill out to the extreme tip; a safe sort for high latitudes or for late planting . . . . .	.03	.15	\$2.00
Early Sanford. The best white variety grown, and extensively used in various parts of New England, both for the grain and as fodder and ensilage. It is of very luxuriant growth; very prolific; large stalk with plenty of leaves, and handsome ears twelve inches long; kernels plump, nearly white in color, which make the best of meal . . . . .	.03	.15	2.00
Longfellow's Yellow. An excellent variety for a main crop; ears long, sometimes twelve to fifteen inches; large kernel and small cob; a sort safe to plant in this latitude; yields immense crops . . . . .	.03	.15	2.00
Mammoth Ensilage. A tall-growing, late variety, with numerous leaves; produces immense crops, the best for ensilage. Sow in drills four feet apart, using one to one and a half bushels of seed per acre			bushel 2.00

CORN SALAD, or FETTICUS (*Fedia olitoria*).

German, *Ackersalat*.—French, *Mache*.—Spanish, *Canoniga*.

Grown for use as salad. Sow very early in spring in rows a foot apart. In six or eight weeks it is ready for use. For early spring use, sow in September, and, when cold weather sets in, cover with litter, and winter over like spinach.

	PKT.	OZ.	LB.
Round-Leaved . . . . .	.05	.20	\$2.00

CRESS, or PEPPERGRASS (*Lepidum sativum*).

German, *Kresse*.—French, *Cresson*.—Spanish, *Mastuerzo*.

Used for salads and for garnishing. Sow in April in rows a foot apart, and follow with successive sowings every two weeks, as it quickly runs to seed.

	PKT.	OZ.	LB.
Curled. The sort most generally in use . . . . .	.05	.10	\$0.80
Upland. Fine; recently introduced . . . . .	.10		

WATER-CRESS (*Nasturtium officinalis*).

German, *Brunnen-Kresse*.—French, *Cresson de fontaine*.—Spanish, *Berro*.

A hardy perennial aquatic plant, growing in water along the margins of streams. It is easily introduced by setting roots, or by sowing seeds about midsummer, in beds prepared at the edge of slow-running water. It is used as a salad in early springtime, has an agreeable pungent flavor, and is believed to be of value as a purifier of the blood.

PKT.	OZ.	LB.
.15	.40	\$4.00

CUCUMBER (*Cucumis sativus*).

German, *Gurke*.—French, *Concombre*.—Spanish, *Pepino*.

To obtain early cucumbers, and at the same time avoid most of the annoyance of the striped bug, it is a good plan to plant the seeds about the first of May in frames, without much bottom heat. Small sods, turned over, may be placed close together in the frames, and upon these the seeds may be planted; or small pots may be plunged

CUCUMBER (Continued).

into the soil in the frames, and a few seeds placed in each. In three or four weeks these may be transplanted into open ground. Set, without disturbing the plants, each piece of sod into hills made three to four feet apart each way. If transplanted in the evening, and one watering given, the plants will not droop. The seeds may be planted in the hills late in May, making the crop somewhat later. Use dry plaster or an infusion of powdered white hellebore in water, to destroy the striped bug. For pickles, plant during last two weeks in June.

	PKT.	OZ.	LB
Improved White-Spine. The best variety grown; the sort most generally used, both for forcing and open-air culture; medium length, dark-green color, crisp, and of excellent flavor; turns white when mature . . . . .	.05	.10	\$.80
Extra Arlington White-Spined, for forcing. (See <i>Novelties and Specialties.</i>) . . . . .	.10	.30	1.50
Early Russian. The earliest variety; but three or four inches long. Its best quality is its earliness . . . . .	.05	.10	.75
Tailby's Hybrid. A cross between the White Spine and an English Frame variety, combining the hardiness of the former and the beauty and size of the latter . . . . .	.05	.10	.75
Early Cluster. Grows in clusters; bluish-green in color; an early sort, of medium size . . . . .	.05	.10	.75
Early Frame. An early sort, formerly much used for forcing, and also open culture; short, about five inches . . . . .	.05	.10	.80
Boston Pickling. The best to grow for pickles; yields large crops of short, straight, dark-green pickles . . . . .	.05	.10	.75
Long Green Prickly. A well-known late variety, producing cucumbers about twelve inches long; good deep color; flavor excellent . . . . .	.05	.10	.75
London Long Green. Somewhat similar to the last-named sort; rather longer, and more pointed at each end . . . . .	.05	.10	.75
Long Green Turkey. A very crisp and firm variety, of most excellent quality; when full grown it measures about fifteen inches in length; very productive . . . . .	.05	.10	.75

ENGLISH FRAME VARIETIES (For forcing).

- Rollison's Telegraph.** Per package, 25 cents.
- Carter's Model.** Per package, 50 cents.
- Tender and True.** Per package, 25 cents.

DANDELION (*Taraxacum dens leonis*).

German, *Löwenzahn*.—French, *Dent de Leon*.—Spanish, *Amargon*.

Extensively used as early spring greens, and considered very healthful. Sow seed in May or June, in any good soil, in drills fifteen inches apart, upon beds made smooth with the rake. Cover very lightly, and press the earth firmly upon the seed. Cultivate during the summer to keep down the weeds. Cover with litter upon the approach of severe weather, and remove the covering early in spring. If spare frames are at hand, they may be used to advantage by setting them over a portion of the bed, and forcing the dandelions under them, thus forwarding a portion of the crop. Dandelions make an excellent salad if blanched by earthing-up, or placing boards to exclude the light.

	PKT.	OZ.	LB
Improved Broad-Leaved . . . . .	.10	.40	\$4.00

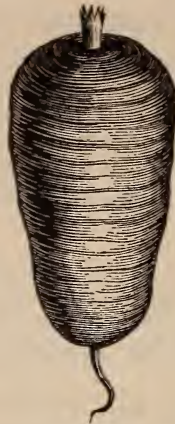
EGG-PLANT (*Solanum melongena*).

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

Egg-plants require a light, warm soil, and, being very delicate and tender, must not be set out too early. They require a high temperature at all times. Sow in hot-bed about the first of April, with good steady bottom-heat, and delay transplanting out until such



Early Forcing Horn Carrot.



Early Scarlet Horn Carrot.



Flag Leek



Peerless White-Spined Cucumber.



Tennisball Lettuce (*White Seed*).
BOSTON MARKET IMPROVED.
(For entire Culture under Glass.)




Boston Curled Lettuce.



Large Oval Purple Egg-Plant.



Pickling Martynia.

—  —

EGG-PLANT (Continued.)

time in June as is necessary to avoid a temperature much below 70°. Set two to three feet apart each way, according to the nature of the soil, more room being needed if the soil is very fertile; a delicious vegetable when properly cooked.

	PKT.	OZ.	LB.
Early Long Purple. An early variety, of longer shape than any other; color, deep purple; some lighter, with occasional stripes of yellowish-white . . . . .	.10	.30	\$3.00
New York Improved Oval Purple. The best sort for general culture, and leading market variety; fruit large, oval or heart-shaped; leaves and stem somewhat prickly, — a feature not seen in other varieties . . . . .	.10	.40	5.00
Black Pekin. A globe-shaped variety, of superior excellence; deep glossy black fruit; solid and quite early . . . . .	.10	.40	5.00

ENDIVE (*Cichorium endivia*).

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

For early use, sow in April or May; but, as it is mostly used quite late in autumn, it will be in time if not sown before June or July. Any good soil will suit endive, and it does not require much manure. When large enough, transplant into rows fifteen inches apart, setting the plants eight or ten inches apart. As it is not much used, except as a salad, it needs to be thoroughly blanched. When of full size, tie all the leaves into a bunch at the extreme top: in a few weeks it will be ready for use. It can be blanched more quickly and thoroughly by placing boards so as to exclude the light from it.

	PKT.	OZ.	LB.
Green Curled. One of the best varieties; nicely curled . . . . .	.05	.30	\$3.00
Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled . . . . .	.05	.30	3.00
Broad-Leaved Batavian. A looser-growing sort, sometimes used in soup; not as desirable for blanching as the other varieties . . . . .	.05	.30	3.00

KOHLRABI (*Brassica oleracea var.*).

German, *Kohlrabi*. — French, *Chou Rave*. — Spanish, *Colinabo*.

Sow in May or June, in rows about eighteen inches apart, and thin out the plants to about twelve inches apart in the row. Ordinary soil, with a moderate fertilizing, is all that is required for growing Kohlrabi. Use the hoe frequently to keep down weeds. This vegetable appears to be intermediate between turnip and cabbage, and has to a certain extent the flavor of both. The bulb that forms upon the stem just above the ground is fit to use when about half grown; when mature it becomes hard and fibrous. It is boiled and served like turnips.

	PKT.	OZ.	LB.
Early White Vienna. The variety most in demand; greenish-white outside, with clear white flesh . . . . .	.05	.30	\$3.00
Early Purple Vienna. Does not vary from the Early White, except in outside color, which is bluish-purple . . . . .	.05	.30	3.00

LEEK (*Allium porrum*).

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

Leeks require a very rich, mellow soil, and a liberal dressing of well-composted manure. Sow the seed in April, in rows a foot apart, and transplant in July. Land that has borne an early crop of peas, cabbages, etc., may thus be made use of for a second crop; but additional manure should be applied before setting out the leeks. They should be set quite deep, and in rows fifteen inches apart, with six inches between the plants. Care must be used to avoid having the young plants overcome by weeds. Later in the season, draw earth up around the plants to blanch them.

LEEK (Continued).

	PKT.	OZ.	LB.
Long Winter. A large sort; grows quite long; best for general use . . . . .	.05	.30	\$ 2.00
Gaint Carentan. An extra large variety . . . . .	.05	.30	3.00
Large Rouen. Leaves dark green, broad, and thick; largely grown in the vicinity of Paris; it is also the best for forcing . . . . .	.10	.30	3.00

LETTUCE (*Lactuca sativa*).

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

Lettuce is a plant of most simple culture when grown in the open air. It requires rich soil, plenty of well-rotted manure, and abundant moisture. With these conditions, its growth is vigorous and rapid; and to be crisp and tender, it should be grown quickly. Of all the salad-plants, lettuce easily takes the lead; and no garden is worthy the name without its lettuce-beds. It has few, if any, insect enemies, and flourishes throughout the spring and summer months. Droughts and hot weather are its worst drawbacks, as during such periods it inclines to run up to seed. Seed may be sown in a frame in February or March, not much bottom-heat being required. The plants may be set out as early as the ground can be worked, as light frosts will not injure them. Set in rows about eighteen inches apart, leaving eight or ten inches space between plants. For successive crops, sow every two weeks up to July. Large quantities of lettuce are grown in forcing-houses, or headed under glass in frames. To be successful in such culture requires considerable experience, and demands much care.

	PKT.	OZ.	LB.
Boston Fine Curled. A variety highly esteemed for earliness, beauty of form, and good table qualities; rich green color; beautifully curled . . . . .	.05	.30	\$ 4.00
Early Curled Simpson. An early sort; not quite as fine curled as the Boston Fine Curled, but rather larger. It is not intended as a heading lettuce: it forms a compact mass of tender leaves of a yellowish-green color . . . . .	.05	.30	3.00
Black-Seeded Tennisball. This variety is the most popular for open-air culture: it forms a handsome compact head, with very few outside leaves, and is crisp and tender . . . . .	.05	.30	3.00
White-Seeded Tennisball. The sort so extensively grown about Boston for forcing and heading under glass; good size, firm heads, and very white and crisp . . . . .	.10	.40	5.00
Buttercup. Recently introduced; very handsome and excellent in all respects . . . . .	.10	.40	5.00
All the Year Round. A hardy variety, of medium size, with fine firm heads; good for successive sowings, as it does not incline to run to seed . . . . .	.05	.30	3.00
Defiance. The best of all the so-called Cabbage Lettuces, large, solid and crisp, stands the summer heat . . . . .	.05	.30	3.00
Brown Dutch. One of the best and hardiest varieties; outside leaves of a rich bronze shade; heads well, and is of excellent quality; should be more generally cultivated . . . . .	.05	.30	3.00
White Paris Cos. A sort with long, narrow, upright leaves; does not head, but, when tied up, blanches very nicely; bears close planting . . . . .	.05	.30	3.00

MARTYNIA.

The martynia is a plant not very extensively cultivated. The seed-pods when young and tender, make very acceptable pickles. Some of the varieties are also grown in the flower-garden for ornamental purposes. The plant is half hardy; and as it does not bear transplanting well, the seed should be sown where the plants are to stand. The soil best adapted is a warm, sandy loam. Plant in May or June, in rows two feet apart, making hills about a foot apart. In each of these sow several seeds, and thin to one plant in each hill when the plants are well started.

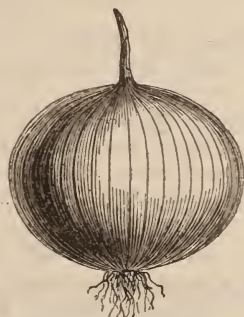
	PKT.	OZ.	LB.
Martynia Proboscidea. The best for pickles . . . . .	.05	.40	\$ 4.00



Montreal Nutmeg Melon.



White Japan Melon.



True Danvers Yellow Onion.



Burpee's Mammoth Iron-Clad Watermelon.



Mushroom.



Arlington Nutmeg Melon, Green Fleshed.



Surprise Muskmelon.



MELON, Watermelon (*Citrullus vulgaris*).

German, *Wassermelone*. — French, *Melon d'Eau*. — Spanish, *Sandia*.

Melons of all sorts should be planted on rather a light, sandy loam, a gentle slope towards the south being desirable. Make hills about eight feet apart each way, and put in each a good shovelful of well-composted manure; press it down and cover with earth. Upon each hill plant six or eight seeds about half an inch deep. The middle of May is early enough for planting in open ground; but the crop may be forwarded by planting in frames, as directed for cucumbers. Three plants should be left to grow in each hill. Destroy bugs, and cultivate in same manner as for cucumbers.


	PKT.	OZ.	LB.
Phinney's Early. A very early variety, of medium size; red-fleshed, with light-colored seeds; quite hardy, and very productive; quality excellent . . . . .	.05	.10	\$0.75
Cuban Queen. One of the very best new varieties, of round shape, and of largest size; flesh bright red, very crisp, delicate, and sweet; an early and most reliable sort; color, green, with indistinct stripes . . . . .	.05	.10	.75
Mountain Sweet. An old favorite; form rather long; color, dark green; seeds dark; a very solid melon, sweet and crisp; a safe variety for northern growing . . . . .	.05	.10	.75
Burpee's Mammoth Ironclad. A large, fine melon of excellent quality and good flavor; flesh of a dainty red color, and more crystalline than the Cuban Queen; a splendid keeper and shipper . . . . .	.05	.10	.75
Ice Cream, medium size, nearly round, color pale green, white seed, thin rind, flesh solid, scarlet, crisp, of delicious flavor and very sweet . . . . .	.05	.10	.75
Citron for Preserving. Is used for preserves only; is very hardy and productive . . . . .	.05	.10	.75
Colorado Preserving. This is much more productive than the common preserving citron, and is much larger, weighing from fifteen to forty pounds each. The flesh is firm and solid, with few seeds, which are pale green. The preserving qualities are the finest . . . . .	.05	.10	1.00

MELON, Muskmelon (*Cucumis melo*).

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

Muskmelons are cultivated in the same way as described for watermelons, except that the hills should stand nearer together: six feet each way is the proper distance.

	PKT.	OZ.	LB.
Hackensack. A new and very desirable sort; much in demand by market-gardeners to grow as a main crop; large size, round shape, deeply ribbed, roughly netted; flesh green, very sweet, and highly flavored; quite early . . . . .	.05	.15	\$0.80
Early Christiana. One of the best first early sorts, of medium size; very short and flattened at the ends; deeply ribbed; flesh a bright salmon color; one of the most spicy and delicious melons known . . . . .	.05	.15	.80
Casaba. A large variety, of muskmelon shape; flesh greenish-yellow; a favorite sort . . . . .	.05	.15	.80
White Japan. One of the smallest varieties, of a pale, greenish-white color. It is both early and prolific, and its flavor and sweetness are unsurpassed . . . . .	.05	.15	.80
Nutmeg. A small variety, favorably known for many years; round, netted, with a dark-green skin; flesh light-green; very sweet . . . . .	.05	.15	.80
Arlington Nutmeg. A popular variety, extensively grown by market vegetable-growers; larger than the Nutmeg, but not so good in flavor; flesh yellowish-green . . . . .	.05	.15	.80

——

MUSKMELON (Continued).

	PKT.	OZ.	LB.
Montreal Nutmeg. A very large melon, of recent introduction; has given very general satisfaction; longer in form than most of the green-fleshed sorts; grows very large, up to fifteen pounds or more; excellent flavor, and extremely productive . . . . .	.05	.15	\$0.80
Emerald Gem. Introduced last season; a melon of rare merit, and destined without question to become very popular. No other melon compares with it for excellence of flavor. (See <i>Novelties</i>.) . . . . .	.05	.15	1.00
Long Yellow Musk. One of the oldest varieties in cultivation. Shape, long, with deep ribs; color, a rich yellow inside and out; a large melon, of a peculiar musky flavor, not as sweet or juicy as the other varieties; a standard market sort . . . . .	.05	.15	.80
Mango. Usually classed with the melons, but not grown for use as such; used entirely for making pickles, being gathered in a green state; in shape resembling long muskmelon, but much smaller . . . . .	.05	.40	4.00

MUSTARD (*Sinapis*).

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


Cultivated to use as greens; often used mixed with cress. Sow in any ordinary soil in rows a foot apart, using plenty of seed. Successive sowings may be made from April to July; or, at any time during cold weather, it can be easily grown in frames.

	PKT.	OZ.	LB.
White Mustard. The sort mostly used to grow for salads. The seed is also much in use to mix with pickles, in preserving cider, and is ground in large quantities in the manufacture of the mustard of commerce . . . . .	.05	.10	\$0.15
Brown Mustard. Not differing materially from the last-named sort, except in the color of the seed . . . . .	.05	.10	.15

MUSHROOM (*Agaricus Campestris*).

German, *Champignon-Brut*. — French, *Champignon*. — Spanish, *Hongo*.

To cultivate mushrooms successfully does not always require extensive experience. Some care is necessary, however, in the selection of the materials, and in forming the beds; but the matter of securing and maintaining the proper temperature in the room and in the beds needs close attention, for success depends very much upon this point. Mushrooms may be grown in a great variety of situations, — a dark room, cellar, stable, or elsewhere. Any place in which an even temperature of about 50° to 60° can be kept, is suitable. For materials for the bed, use fresh horse-manure, free from straw or chips, and good loamy soil. Some growers use the manure unmixed with loam, after first having well fermented it by alternately piling up and mixing for a few weeks; but it is undoubtedly better not to allow the manure to heat much before forming the bed. Use one-fourth to one-third loam; the rest manure. Mix very thoroughly; and, upon a dry, firm bottom, make the bed of this mixture, about four feet wide, and of any desired length. Build it up evenly, pressing it down very firmly, and leave it about a foot high. It will shortly begin to heat. Use a thermometer to thrust into the bed, and note the temperature. When the heat has partially subsided, leaving a temperature of 70° to 80°, put in the spawn. Pieces from the size of walnuts to that of eggs are placed in the bed about a foot apart, deep enough to cover them well, and the manure pressed down. Let it remain thus ten or twelve days; then cover with two inches of fresh loam, and make this moderately firm. The bed is finished by covering all with four or five inches of straw or other litter. Watering is not necessary, unless the surface of the bed gets very dry: in this event, moisten freely with water at a temperature of about 80°. In gathering the crop, do not cut, but twist them off carefully, filling up the holes with loam to keep insects from the roots. In six or eight weeks from spawning the beds, mushrooms should appear. Our space is too limited to present a complete

——

MUSHROOM (Continued).

treatise on mushroom culture; and to those who wish to more thoroughly investigate the subject we recommend Robinson's "Mushroom Culture." We will forward a copy upon receipt of price, seventy-five cents.

English Spawn (bricks). Per pound	\$ 0.15
French Spawn. Two-pound boxes, each	1.25
French Spawn. Three-pound boxes, each	1.60
French Spawn. Four-pound boxes, each	2.00

NASTURTIUM (*Tropæolum majus*).

German, *Kresse Indianische*.— French, *Capucine*.— Spanish, *Capuchina*.

Grown for the pods, which, gathered in a green state, make very delicate pickles. The flowers of the several varieties are very pretty. A good assortment appears in the flower-seed department of this Catalogue; running vines of easy cultivation.

	PKT.	OZ.	LB.
Large Pickling. The variety grown for pickles . . . . .	.05	.15	\$ 2.00

OKRA, or GUMBO (*Abelmoschus esculentus*).

German, *Essbarrer Hibiscus*.— French, *Gombo*.— Spanish, *Quibombo*.

Sow in May in drills,—the dwarf variety about two feet apart, the tall sort three feet, and two inches deep. Thin the plants to eighteen to twenty-four inches apart, according to variety. It is of the easiest culture. Ordinary soil and manuring only are required. The young pods are used in soups and stews; a plant very generally grown at the South.

	PKT.	OZ.	LB.
Long Green. Tall sort, pale green . . . . .	.05	.10	\$ 1.00
Dwarf Green. More productive than the other sort, and better suited to Northern cultivation . . . . .	.05	.10	1.00

ONION (*Allium cepa*).

German, *Zwiebel*.— French, *Ognon*.— Spanish, *Cebolla*.

The onion-crop is perhaps next in importance to cabbage. Although an expensive vegetable to cultivate, it is usually a very profitable crop. Much depends upon the selection and preparation of the ground, the quality of the seed, the quantity and value of the fertilizers, the time of sowing, and the care bestowed upon the growing crop. Much also depends upon the season. A long, cold rain after sowing often causes failure of the seed to germinate well; or a severe drought in early summer may cause the crop to blight. Another enemy to onion-culture is the onion maggot, for which there is no satisfactory remedy yet discovered. Nevertheless, success is the rule; and with proper care, a crop of five to six hundred or more bushels per acre may reasonably be expected. Select a clean, rich piece of land, upon which onions were grown the previous year, if possible. In some localities, onions have been successfully grown for over thirty consecutive years upon the same land; while in other sections it is found safer not to continue to grow them more than three or four years in succession. A crop of mangels or other beets is one of the best to precede onions. Scatter broadcast a heavy dressing of well-rotted manure, and plough six or seven inches deep as early in spring as the ground can be worked; harrow and rake down to a fine, even surface. Sow about four pounds of seed per acre, in drills a foot apart, and a quarter of an inch deep. If a seed-drill is used, it should be provided with a good roller to press the earth firmly upon the seed, particularly if the soil is very dry. Sow as early as possible: a few days delay often makes a marked difference in the crop. Unless the plants stand very thick together, they need not be thinned out much, if any, as onions will crowd each other, and find room

ONION (Continued).

to grow. *Never allow the weeds to get ahead of the young plants:* the weeds must receive early attention. Use a scuffle or wheel-hoe between the rows, and pull out the weeds not reached by the hoe. When the tops are all down, and the onions well formed, they may be pulled, and left on the ground for a fortnight or longer to dry (unless the weather be unfavorable), turning them occasionally with a wooden rake.

BEWARE OF CALIFORNIA AND WESTERN GROWN ONION SEED. IT IS FREELY OFFERED IN OUR MARKET, AND WILL DISAPPOINT THOSE WHO USE IT.

	PKT.	OZ.	LB.
Early Red Globe. Earliest of the various red onions; fine-grained and heavy; of good size; very mild flavor; rapidly growing in favor . . . . .	.10	.30	\$ 3.00
Large Red Wethersfield. Largely grown as a general crop; rather more flat in shape, and a larger onion, than Early Red Globe; a later variety . . . . .	.10	.25	2.50
Yellow Globe Danvers. <i>Extra Stock.</i> The variety most extensively grown around Boston, and in many other sections; an early round variety, with very small neck; ripens early, and very uniformly; yields large crops, and keeps well . . . . .	.10	.30	3.00
Yellow Globe Danvers. <i>Good Stock, Eastern grown, and every way reliable</i> . . . . .	.10	.20	2.00
White Portugal. Very early, rather flat in shape; mild-flavored; does not keep as well as the yellow and red varieties . . . . .	.10	.30	3.00
White Globe. Quality similar to the last-named sort, but of globe shape, and rather larger, also later . . . . .	.10	.30	3.00

ITALIAN VARIETIES.

	PKT.	LB.
New Queen. White skin; very early sort; a rapid grower, and keeps remarkably well; has the sweet, mild flavor peculiar to the Italian varieties . . . . .	.10	.30 \$3.00
Giant White Tripoli. Large, flat variety; grows very rapidly; sweet, and very mild in flavor . . . . .	.10	.20 2.00

ONION-SETS (Market Variable).

Plant them as early in spring as convenient, to obtain early green onions; but they may be set at any time up to June 1. Set in rows a foot apart, and three or four inches between them in the row. Any good soil will suit them. When grown in quantity, high cultivation is given in order to forward the crop for an early market. They are ready for use as soon as the bulbs begin to be of fair size: those not used in a green condition will ripen early in July, and make nice onions. Potato onions and Top onions are grown from bulbs only, growing in clusters. These clusters are separated, and the smaller ones kept for seed.

	QT.	PK.
White Sets. The best for general use; mild flavor . . . . .	.30	\$2.00
Yellow Sets. Not as mild in flavor as the white variety, otherwise as good . . . . .	.30	1.50
Top Onion-Sets. Largely used at the West; not much in demand in this section; clusters of small onions for early planting . . . . .	.30	1.50
Potato Onion-Sets. Sometimes called "Hill Onions," or "Multipliers;" a good, safe sort to use; sure crop and early . . . . .	.20	1.00
Shallots. Somewhat resembling the last-named sort, but smaller; much used in soups, stews, salads, etc.; very mild flavor . . . . .	.20	1.00

PARSLEY (*Apium petroselinum*).

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

Parsley seed germinates very slowly, taking two to four weeks to come up: hence, if wanted early, no time is to be lost in delaying the sowing. Make the rows twelve or fourteen inches apart. Thin to three or four inches apart, or transplant at this distance. Can be sown in hot-beds in February, or later in open ground. Late in autumn place frames over some of the plants to lengthen out the season of cutting. For garnishing purposes nothing equals parsley; it is also used in salads, soups, etc. Any good soil will suit for growing this plant.

	PKT.	OZ.	LB.
Plain-Leaved. A sort not much curled; much used in soups, etc.; rather stronger in flavor than the other sorts . . . . .	.05	.10	\$1.25
Double Curled. A fine variety, well curled; in common use for general crop . . . . .	.05	.10	1.25
Champion Moss Curled. A most elegantly curled variety; rather dwarf, and of the richest green; very ornamental . . . . .	.05	.10	1.25
Hamburg, or Rooted. A rooted variety, of which the roots are the portion used; good in flavoring soups and stews . . . . .	.05	.10	1.25
New Fern-Leaved. Exquisite in form, and admirably suited for mixing with dwarf ornamental foliage plants in the flower-garden, also for table decoration . . . . .	.05	.10	1.25

PARSNIP (*Pastinaca sativa*).

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

Sow in April, or early in May, as parsnips require a long season to mature. Their cultivation is otherwise the same as directed for carrots. They may be dug in the autumn, and stored for winter use; but, if left in the ground till the following spring, they are very much improved in flavor. Sow a liberal quantity of seed, as from its nature it does not always come well.

	PKT.	OZ.	LB.
Long Smooth White. The variety most in use; long, smooth, and free from coarse roots . . . . .	.05	.10	\$0.60
Student. An imported variety of much merit; good size and smooth . . . . .	.05	.10	.60
Abbott's Improved. Also an imported sort; well liked by growers who use it . . . . .	.05	.10	.60

PEAS (*Pisum sativum*).

German, *Erbse*. — French, *Pois*. — Spanish, *Guissante*.

In the seedsman's catalogue there is nothing of more importance than peas. No one who plants a vegetable-garden thinks of doing without them; and the pea-crops are relied upon by almost every market-gardener, as they bring early, and usually very profitable returns, besides permitting an early clearing of the land to be occupied by second crops. Celery, squashes, melons, sweet-corn, and various other crops, may be grown after a pea-crop. The cultivation of peas requires only ordinary attention; but we would call particular attention to the fact that success depends in a great measure upon the quality of the seed; and, as a rule, the gardener who thinks it economy to purchase peas where he can obtain them at the lowest figure, finds that he has made a most expensive mistake when he gathers his crop. The dwarf varieties require a rich soil, and liberal manuring: the other sorts need only ordinary cultivation. Peas are very hardy, and succeed best under low temperatures. The early, round, smooth varieties should be sown as early as possible in spring, while the more tender, wrinkled sorts will do better if planted after the ground has become warmer. Sow in drills two to three feet apart, according to the height of the variety planted, and not less than four inches deep. A pint will plant about forty feet of row. Make the drills deep enough to allow

—◆◆◆—

PEAS (Continued).

room for the manure, which is usually scattered along the bottom of the drill. It is safer not to have the seed in direct contact with the manure; to avoid this, draw in a little earth before sowing the peas. It is better to use well-rotted compost than fresh stable-manure. Successive plantings may be made up to the middle of May; if planted later, in this latitude, they suffer from the heat, and become mildewed. Some of the dwarf sorts yield good crops if sown about the middle of August. The taller sorts should be supported with strong brush, firmly planted along the drill, before the peas make much vine: in field-culture this is usually omitted, however. There is much confusion as to the varieties of peas, many sorts in the same catalogue being identical except as to name. This is particularly true of the smooth, early sorts. Our list is compiled more with a view to simplify this matter than to confuse with many names. At the same time we present all the varieties found worthy of cultivation.

EXTRA EARLY VARIETIES.

	PKT.	QT.	PECK.
Laxton's Earliest of All. The latest acquisition to the list of early peas, highly recommended by the English growers who tried it last season . . . . .	.10	.25	\$1.25
Maud S. A very fine selection of the early white varieties; and claimed by the originator to be earlier than any other sort . . . . .	.10	.25	1.50
Improved Daniel O'Rourke. Our leading early market sort; very early, and yields immense crops; pods long and uniform, and can be taken off almost entirely at one picking; vine two and a half feet. Much inferior stock is sold under this name. We offer a strain that is fully equal to the original Daniel O'Rourke, so famous when first introduced, some thirty-five years since . . . . .	.10	.25	1.25
Early Dexter. An excellent first early, in many respects similar to the last-named variety, and with some growers proving fully its equal; good pods, large yield; vine two and a half feet . . . . .	.10	.25	1.50
Kentish Invicta. One of the very best early peas for market or family use; a blue-seeded variety; very sweet and rich in flavor; very early and hardy; pods long; very productive; a favorite with all; vine about two and a half feet . . . . .	.10	.25	1.25
Bliss' American Wonder. The earliest and very best dwarf wrinkled pea known; the greatest acquisition to the list of peas for many years . . . . .	.10	.30	1.50
Laxton's Alpha. A very early, wrinkled marrow; rather earlier than Little Gem, and of taller growth; vine about two feet . . . . .	.10	.25	1.50
Tom Thumb. An exceedingly dwarf variety, growing eight to ten inches high; is early, and bears close planting; very productive . . . . .	.10	.25	1.50
McLean's Blue Peter. An early dwarf sort; similar in habit to Tom Thumb, but more robust in growth; a blue-seeded variety of excellent flavor; well worthy a place in every garden; vine a foot high or less . . . . .	.10	.25	1.50
McLean's Little Gem. A leading favorite for garden use; a green, wrinkled pea, quite early and productive; flavor excellent; may be planted close; one foot high . . . . .	.10	.25	1.50
Extra Early Premium Gem. Pods long and of a dark green color; very prolific, and one of the earliest; more dwarf than "Little Gem" . . . . .	.10	.25	1.50

SECOND EARLY AND LATER VARIETIES.

McLean's Advancer. This variety takes the lead as a second early market pea; pods long and uniform, maturing well together, the crop closely following the Daniel O'Rourke; a green, wrinkled marrow; vine two feet. This variety is much inclined to deteriorate, unless great care is given by the seed-grower. We have given special attention to our stock of Advancers; and they cannot be excelled for purity . . . . .	.10	.25	1.25
Carter's Stratagem. A most remarkable variety, and will unquestionably take the lead for medium and late use. Its pods are about double the length of other varieties in its class, besides being well filled, and with			

PEAS (Continued).

	PKT.	QT.	PECK.
remarkably large peas, and these of the richest flavor. Succeeds under ordinary cultivation. In all respects the finest medium and late variety known . . . . .	.10	.30	\$2.00
Carter's Telephone. Introduced a few years since, and has been quite popular; a strong grower, and about four feet high; branches considerably, and bears remarkably long pods . . . . .	.10	.30	2.00
Horsford's Market Garden. A grand wrinkled variety coming in between the Little Gem and the Advancer. In habit of growth quite distinct from either of these. Vines two feet high, very even in growth; pods well filled with peas of finest quality . . . . .	.10	.25	1.50
Bliss' Everbearing. Introduced two or three years ago, and has proved a favorite for general use; branches considerably if not too thickly planted; large, well-filled pods . . . . .	.10	.25	1.50
Champion of England. One of the best known of the older varieties; a tall-growing, green, wrinkled marrow; quality unsurpassed by any other pea; pods medium; peas large; vine about five feet . . . . .	.10	.25	1.25
Yorkshire Hero. An excellent late dwarf, wrinkled marrow; good pods; peas large; flavor excellent; vine two and a half feet . . . . .	.10	.25	1.25
Blue Imperial. A favorite late variety, much used at the South; a smooth blue pea; rich flavor; vine three feet . . . . .	.10	.25	1.50
Dwarf White Missouri Marrow. One of the best late sorts; white-seeded; very productive, although not as sweet as the green wrinkled varieties; many prefer its flavor; vine three feet . . . . .	.10	.20	.75
Black-Eyed Marrow. Much used for a general late crop; an old and very popular pea, yielding immense crops; vine three feet . . . . .	.10	.20	.75
Tall Sugar (<i>edible pods</i>). Cultivated as a string pea; pods very large and long, and, when gathered young, are stringless, and very tender; vine about four feet . . . . .	.15	.40	

PEPPER (*Capsicum annuum*).

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

Sow in March or April in a hot-bed, and transplant into open ground late in May, or early in June, when the weather has become well settled, as the plants are quite tender. Set in rows about two feet apart, and fifteen inches apart in the row. A warm, sandy loam is best suited to their growth.


	PKT.	OZ.	LB.
Pickling, or Squash. The variety generally grown for pickling; medium size; thick skin; very productive . . . . .	.05	.30	\$4.00
Bull-Nose, or Bell. Larger than the last-named sort, and of milder flavor; skin quite thick; an early sort . . . . .	.05	.30	4.00
Sweet Mountain. This variety is larger than any of the above sorts. It is thin-skinned, and very sweet and mild; used for making stuffed pickles . . . . .	.05	.30	4.00
Long Red Cayenne. A small, long-shaped variety; very pungent; the Cayenne pepper of commerce . . . . .	.05	.40	4.00
Red Cherry. A small round pepper, of strong flavor; makes a very ornamental plant . . . . .	.05	.40	4.00

POTATOES (*Solanum tuberosum*).

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

(Prices subject to variations of the market.)

It is almost needless to devote space to any description of the uses or cultivation of the potato. It is sufficient to state that any good soil will produce them. When grown upon a good sandy loam, however, their quality is usually much better than that of those produced upon heavy soils. Make furrows of good depth, three feet apart;

—  —

POTATOES (Continued).

scatter a liberal dressing of fertilizer along the drill; and upon this set the seed-potatoes, about eight or ten inches apart. One or two pieces of potato, containing one or more eyes in each piece, are put in each hill. Cover a couple of inches, and, when the sprouts appear, cultivate and hoe to keep the soil free and clear of weeds. As the vines increase, draw earth around them, forming a slight ridge.

	BUSH.	BBL.
Charles Downing. A new early white-skinned variety. At the Ohio Experiment Station it was tested with over 100 other sorts, and was placed at the head of the list for yield and quality	\$1.50	\$4.00
Pearl of Savoy. Now considered one of the standard and best early varieties. Tubers oblong, fair, and of large size; flesh pure white and very mealy. This variety is very hardy, vigorous, and free from disease	1.25	3.00
Beauty of Hebron. A general favorite in many sections; in shape resembling Early Rose; skin nearly white, with pink tinge around the eyes; very productive, and of superior quality; said to be earlier than Early Rose	1.25	3.00
Dakota Red. Enormously productive, and a medium late variety. It is very distinct in appearance, the skin being reddish-brown, while the flesh is as white as the "Snowflake" variety. The tubers are of large size and excellent flavor	1.25	3.00
Early Rose. This has been the standard variety for general use for the past twelve or fifteen years; too well known to need description	1.25	3.00

PUMPKIN (*Cucurbita pepo*).

German, *Kurbiss*. — French, *Citrouille*. — Spanish, *Calabaza tontanera*.


Pumpkins are grown chiefly as food for stock. They were formerly esteemed for culinary purposes, but at present are almost entirely superseded by the various squashes, which are in all respects much superior. The usual method of planting pumpkins is to scatter a few seeds at intervals in the hills when planting Indian corn: in this way good crops of pumpkins are secured with slight labor and expense.

	PK.	LB.	PECK.
Connecticut Field. The common yellow pumpkin in general use; grown chiefly for feeding stock . . . . .	.05	.30	\$1.25
Sweet or Sugar. A smaller variety, fine-grained and sweet; the best for table use . . . . .	.05	.60	
Mammoth. (<i>See Squashes.</i>)			

RADISH (*Raphanus sativus*).

German, *Rettig*. — French, *Radis*. — Spanish, *Rabanito*.

Radishes should be grown on light, sandy loam, and, to be crisp and tender, they should make a rapid growth. If the soil is moderately rich, very little, if any, fertilizer is necessary. For very early use, begin sowing in frames in January, and continue successive sowings every two weeks. Early in May the seed may be sown in open ground; but for such early sowing a warm, well-sheltered situation should be selected: later sowings may follow every two or three weeks throughout the summer, using the varieties best adapted to the different stages of the season. Sow broadcast in narrow beds or in drills. Many radishes are grown to good advantage drilled in with other crops. For winter radishes, sow the seed about midsummer, and keep the roots during winter in a cool cellar covered with earth, or in well-covered pits out of doors. Winter radishes should be placed in cold water an hour or so before using.

—————

 —————

 RADISH (Continued).

	PKT.	OZ.	LB.
Early Long Scarlet (<i>short top</i>). The standard market variety of the long sorts, used either for forcing or open culture; six or seven inches long . . . . .	.05	.10	\$0.75
Early Scarlet Olive-Shaped . One of the early sorts; much used for forcing, and suitable for early sowing in open air . . . . .	.05	.10	.75
Early Scarlet Olive-Shaped, White-Tipped . Commonly called "French Breakfast" radish; similar to the preceding variety in form; color, a handsome scarlet, with a white tip . . . . .	.05	.10	.75
Scarlet Turnip-Rooted, Earliest Erfurt . Short leaved; very early; rich deep scarlet; particularly fine for use in frames. <i>New</i> . (See <i>Novelties</i>.) . . . . .	.05	.10	.75
Early Scarlet Turnip-Rooted . Differing from the Scarlet Olive in shape only, this being of a round shape; for early use . . . . .	.05	.10	.75
Early Scarlet Turnip-Rooted, White-Tipped . Similar to last-named sort, except the white tip of the root; a handsome radish . . . . .	.05	.10	.75
Wood's Early Frame . In shape half long; much used for forcing; of handsome color . . . . .	.05	.10	.75
Early White Turnip-Rooted . Another sort for early use; round in form, and of clear white color . . . . .	.05	.10	.75
Beckert's Chartier . A new radish, of large size and fine appearance, being about one half clear rose color, balance white; grows very fast, and is of fine flavor; crisp and tender . . . . .	.05	.10	.75
Yellow Summer Turnip-Rooted . For use during the summer and fall months. All the following varieties (except the winter radishes) are sorts suitable for growing during the summer, as they endure the heat . . . . .	.05	.10	.80
Gray Summer Turnip-Rooted . . . . .	.05	.10	.80
White Summer Turnip-Rooted . . . . .	.05	.10	.80
Golden Olive-Shaped Summer . . . . .	.05	.10	1.00
Long White Naples Summer . . . . .	.05	.10	1.00
White Giant Stuttgart . . . . .	.05	.10	1.00
Long Black Winter . Grown for winter use . . . . .	.05	.10	1.00
Long White Winter . Another good winter variety . . . . .	.05	.10	1.00
Chinese Rose Winter . One of the best winter radishes . . . . .	.05	.10	1.00

 RHUBARB (*Rheum rhaponticum*).

German, *Rhabarber*. — French, *Rhubarbe hybrida*. — Spanish, *Ruibarbo hibrida*.

This plant is mostly propagated by division of the roots. The best time to set out the plants is early in the spring, although it is sometimes done in autumn. Make furrows of good depth, three to four feet apart, according to the variety planted; across these furrows, at right angles, make others the same distance apart; at each intersection put three or four shovelfuls of good manure, and upon this set the plants. Any good soil will suit rhubarb; but to obtain heavy crops, good soil well manured is indispensable. A piece of root with a single bud, or eye, is enough for each hill. Cultivate during summer, but do not pull any stalks the first year. Late in autumn cover each plant with a good shovelful of manure, and plough a furrow against each side of the rows; this protection will assist the earliness of the crop. In early spring level the ground, working in the manure with a fork. Plants can be obtained from seed, which may be sown in a hot-bed in March, and the plants set out about the middle of May. It takes longer, however, to obtain a crop from seedling plants than from roots.

	PKT.	OZ.	LB.
Linnaeus . The earliest and best for garden use; not as coarse and fibrous as the larger sorts . . . . .	.05	.30	\$2.00
Victoria . The variety in general use for the market; yields immense crops . . . . .	.05	.30	2.00

Roots of the above varieties: per dozen, \$2.00; per hundred, \$8.00.

RAPE (*Brassica napus*).

Sow as early in spring as the ground can be worked, in rows fifteen inches or less apart. As this plant is cultivated in this way entirely for greens, they are of but little value in market unless an early crop. A very rich soil is required to obtain a rapid growth.

	PKT.	OZ.	LB.
Large-Seeded Garden. For spring sowing . . . . .	.05	.10	\$ 0.30

SALSIFY (*Tragopogon porrifolius*).

German, *Haferwurz*.— French, *Salsifs*.— Spanish, *Salsifi*.

Salsify is rapidly coming into favor, and is considered a most delicious vegetable. It is used stewed, boiled, or fried, and sometimes as a salad, sliced raw in vinegar, with salt and pepper. When cooked, it has an oyster flavor. It is commonly called vegetable oyster. The cultivation is precisely the same as directed for parsnips; and it will keep over winter, in the ground where grown, in the same way as parsnips. There are no

	PKT.	OZ.	LB.
White French . . . . .	.05	.20	\$1.50
Mammoth Sandwich Island (new) . . . . .	.10	.30	2.00

SEA KALE (*Crambe maritima*).

German, *Meerkohl*.— French, *Crambe maritima*.— Spanish, *Breton de Mar*.

A half-hardy, perennial plant, highly esteemed as an early spring vegetable. The young shoots, when blanched and boiled, have a flavor somewhat like asparagus. It is very generally cultivated in Europe, and should be better known here. Sow the seed early in spring, in hills about two feet by three. Thin to three or four plants in each hill, and cultivate during summer. Protect during the succeeding winter with about six inches of manure or leaves upon each hill. Early in spring remove the covering, and, when the young shoots appear, earth up to blanch, or cover with flower-pots, etc., for same purpose. Sea Kale may also be propagated from roots. Store the roots over winter in a dry cellar, packed in sand; in March cut them in pieces, and place in hot-beds; from there transplant to open ground in May; in this way stronger plants will be secured, which will yield good crops the following spring. A strong soil is suitable.

	PKT.	OZ.	LB.
Silver Sea Kale . . . . .	.10	.30	\$ 4.00

SPINACH (*Spinacia oleracea*).

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

Spinach may be grown on any ordinary soil, and its cultivation is a very simple matter. It is grown both as a spring and summer crop. For early use, sow in August or September, in drills twelve to fourteen inches apart, using sixteen pounds of seed per acre. At the approach of cold weather cover lightly with straw, or any handy litter. Uncover when the plants begin to make a new growth in spring. For summer use, sow early in spring, in same way as above, using rather less seed. If the plants stand too thick, thin to three or four inches apart. A liberal dressing of good manure should be used. The land can hardly be made too rich.

	PKT.	OZ.	LB.
Round Thick Leaf. The variety in most general use; equally good for spring or autumn sowing . . . . .	.05	.10	\$ 0.30
Long Standing. A desirable sort, that does not incline to run to seed as much as most others . . . . .	.05	.10	.30
Savoy Leaved. Leaves wrinkled or curled; makes a handsome appearance . . . . .	.05	.10	.30
Prickly Seeded. Rather more hardy than any of the above-named sorts, but not so productive . . . . .	.05	.10	.30
New Zealand (<i>Tetragonia expansa</i>). A plant of a different genus, but of similar character and uses as spinach; makes a very large plant; should be started in hot-bed in March, and transplanted when the ground is warm, about three feet apart each way . . . . .	.05	.15	1.00

SQUASH (*Cucurbita melo-pepo*).

German, *Speise Kurbiss*.—French, *Courge*.—Spanish, *Calabaza bonetara*.

Squashes, being very tender, should not be planted too early; and as they make a very rapid growth, they will have ample time to mature if planted after the weather has become settled and warm. A warm mellow soil suits them best; and they require a liberal amount of manure, which is best applied directly to the hills. Plant in May, after all danger of frosts is past. The summer varieties should be planted in hills three to four feet apart each way, and the later sorts about twice this distance. Put eight or ten seeds in each hill, as there is much danger of loss from bugs. Protect against these as directed for cucumber culture. When well grown, thin to three or four plants to each hill. The summer squashes are ready for use when young and tender: the later sorts should be left till thoroughly ripened. Some of the varieties will keep over well into the next spring. Squashes are often grown as an auxiliary crop. A good plan is to plant amongst early peas, at the second hoeing, at proper intervals in every other row. In this latitude squashes may be planted as late as June 20 with good success.

	PKT.	OZ.	LB.
Early White Scalloped. One of the earliest summer squashes; flat, scalloped-shaped; light cream color . . . . .	.05	.10	\$0.75
Early Summer Crookneck or Warted. Another very early variety, long in shape, and of a bright-yellow color; the best of the summer squashes . . . . .	.05	.10	.75
Perfect Gem. A recent addition to the list of squashes; excellent both as a summer and winter squash. . . . .	.05	.10	.75
Boston Marrow. The earliest of the fall sorts; is ready for use very soon after the summer varieties; rich orange color, good size, excellent flavor, keeps well . . . . .	.05	.10	.75
Dunlap's Early Prolific Marrow. <i>New</i> ; much earlier and more prolific than any other strain of Marrow Squash . . . . .	.05	.10	1.00
Low's Bay State. A recent novelty, shape of Essex Hybrid; shell very hard; color blue; very heavy and solid . . . . .	.05	.10	1.00
American Turban. Considered by many the best of the autumn squashes; very fine-grained, dry, rich, and sweet; medium size; color, pinkish orange . . . . .	.05	.10	1.00
Essex Hybrid Turban. Resembles the last-named sort, but has a very hard shell; this is a cross between Turban and Hubbard; its quality is equal to the Turban, and it keeps as well as the Hubbard; a solid, thick-fleshed sort; an excellent squash . . . . .	.05	.10	1.00
Hubbard. The standard winter squash; grown more extensively than any other late variety; color, dark green; shell extremely hard; flesh dry, fine-grained, and sweet; excellent keeper . . . . .	.05	.10	1.00
Marblehead. Another excellent winter variety, of a bluish color; has all the qualities of the Hubbard; a very solid, heavy squash . . . . .	.05	.10	1.00
Canada Crookneck. The best of the winter crooknecks for table use; rather small, but productive . . . . .	.05	.10	.80
Large Winter Crookneck. An old and well-known variety; keeps remarkably well; not quite as sweet or rich as many others. The late crooknecks are not as liable to injury from bugs as the rest of the varieties . . . . .	.05	.10	.80
Mammoth Yellow. Grows to an immense size if given high cultivation, sometimes weighing considerably over one hundred pounds; not much used for the table . . . . .	.25	.80	

TOBACCO (*Nicotiana tabacum*).

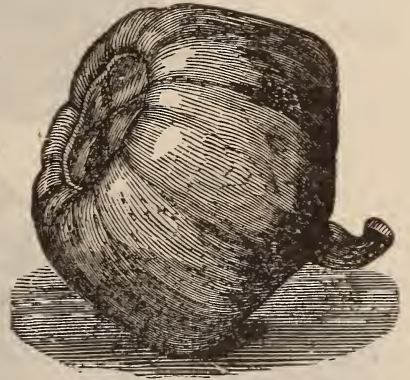
	PKT.	OZ.	LB.
Connecticut Seed-Leaf. The variety extensively grown in the Northern and Middle States; largely used as cigar wrappers . . . . .	.10	.30	\$3.00
Havana. Imported seed . . . . .	.10	.50	6.00



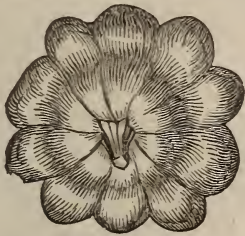
Bliss' American Wonder Pea.



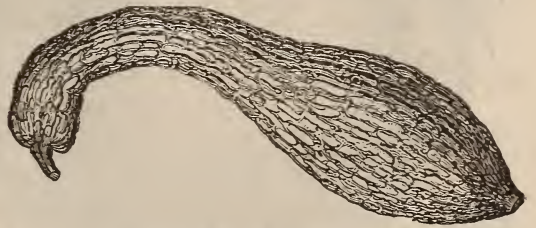
Boston Marrow Squash



American Turban Squash.



Early Scollop Squash



Summer Crookneck Squash.



Hubbard Squash.



Long Standing Spinach.



Essex Hybrid Turban Squash.



Livingston's Perfection Tomato.



Paragon Tomato.



Acme Tomato.

—❁❁❁—

TOMATO (*Lycopersicum esculentum*).

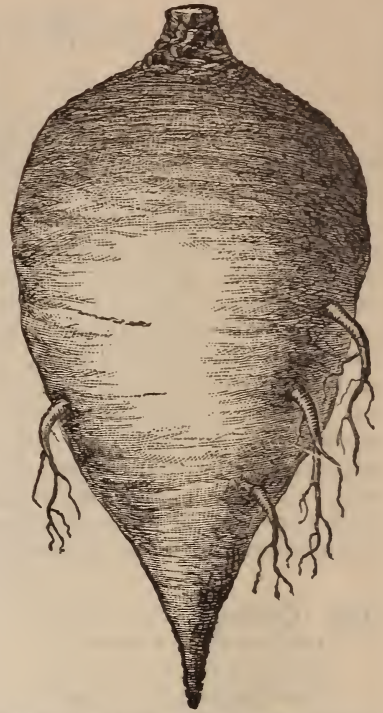
German, *Liebes-Apple*. — French, *Tomate*. — Spanish, *Tomate*.

Of tomatoes the varieties are numerous, some of them being very distinctive. However, there are many sorts of the large red variety annually introduced, and represented as being superior to all others, which, as a rule, do not show variation enough to be classed as distinct varieties. Nothing worthy of mention has been gained for many years, in point of earliness, in tomatoes, nor is it probable that there will be; but with the perfection of color, form, and solidity found in any of the score or more of the so-called new varieties, it seems needless to cultivate inferior tomatoes. The seed may be sown in hot-beds, with good bottom-heat, in February or March; and, when the plants are two or three inches high, transplant into other frames about four or five inches apart each way, or into boxes or single pots which are to remain in the frames. Set the plants out in open ground, not earlier than the last week in May or first of June. Being very tender, they will not bear the least frost. Choose a light, sandy, or gravelly loam, in a well-sheltered situation, and with a southern exposure if possible, as early fruit is desirable. In such a location the plants may be set about three feet apart each way, using a large shovelful of well-rotted manure in each hill. On rich soils but little, if any, manure is necessary; and the plants will need to stand about four feet apart each way.

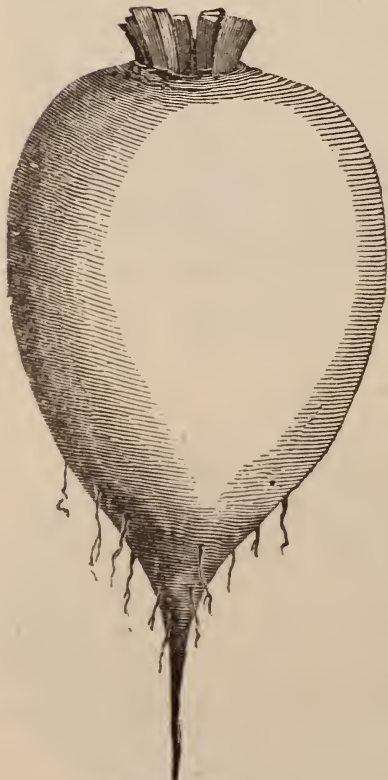
	PKT.	OZ.	LB.
Red Cross. This superior variety we introduced last year. It is the result of crossing the best known market sorts, and most careful selections for several years. We consider it the very finest and most reliable Tomato in cultivation. (See list of NOVELTIES and SPECIALTIES.)	.10	.50	
Livingston's Beauty. A standard variety of recent introduction. Quite distinct in color, being a rich glossy crimson with slight tinge of purple; grows in clusters; early; smooth; solid and firm in flesh	.05	.30	3.00
Livingston's Favorite. Offered for the first time two years ago; originated by Mr. Livingston, the introducer of several noted varieties. A superior tomato	.05	.30	3.00
Livingston's Perfection. Also recently introduced by Mr. Livingston, who describes it as being "as early as Canada Victor, of a blood-red color, perfectly smooth, ripens uniformly, and bears abundantly until frost comes; free from seeds, bears transportation well, while for canning purposes it surpasses any hitherto offered"	.05	.30	3.00
Paragon. Not quite as early as the last-named, and rather larger; of rich blood-red color; a most excellent tomato	.05	.30	3.00
Acme. Very early and productive; fruit medium-sized, and of a dark rich red, slightly tinged with purple; very solid and smooth; flavor unusually fine	.05	.30	3.00
Canada Victor. Considered by many as one of the earliest varieties; originated in Canada; a solid, handsome tomato	.05	.30	3.00
Trophy. One of the large sorts, usually smooth and handsome; a second early	.05	.30	3.00
Large Smooth Red. An older sort, of good form, color, and size	.05	.30	3.00
Golden Queen. The very finest yellow tomato in cultivation. Its color a clear golden yellow; very solid and smooth, and of most excellent table quality. It is of large size, and free from tendency to crack or rot; medium early	.10		
Yellow Plum. A bright lemon-colored tomato; uniformly oval in shape; small size; used for preserves	.05	.40	4.00
Red Cherry. Small round fruit, resembling cherries in size and shape; used for preserves or pickling	.05	.40	4.00
Fig, or Pear-Shaped. Also a small preserving tomato, of perfect pear shape, and bright red color	.05	.40	4.00
Strawberry, or Ground Cherry (<i>Physalis alkekengi</i>). Belongs to another genus of plants. The fruit has a peculiar flavor of mixed acidity and sweetness, somewhat resembling the strawberry	.05	.40	4.00



Yellow Swedish Turnip.
"London Extra."



Large White French Turnip.



New Egg Turnip.



Yellow Swedish Turnip.
"Shamrock."

TURNIP (*Brassica campestris*).

German, *Rube*. — French, *Navet*. — Spanish, *Nabo*.

A light soil is the best upon which to grow turnips; and, if it has been well manured the previous year, no further supply is required. A dressing of some good commercial fertilizer may be applied to advantage; but fresh stable-manure should not be used, or the crop will be more or less worm-eaten, and rank in flavor. The flat or English varieties are extensively used as a late crop, and may be made to follow almost any other early crop. Fall turnips may be sown from the 1st of July till about Sept. 10, or, in favorable seasons, even later. These varieties are also used for early crops, the seed being sown in April. But few soils or locations will produce early turnips of good quality. Old pasture-land recently broken up, and dressed with bone-dust, phosphate of lime, guano, etc., will often produce satisfactory crops; but at best, success is the exception rather than the rule, in growing early turnips. Sow the seed broadcast upon an even surface, using about three-quarters of a pound of seed per acre, and rake it in evenly. The Swedish, or Rutabaga varieties, should be sown in drills fifteen to eighteen inches apart, at any time from the first of June to the middle of July, using about one pound of seed per acre. The plants should be thinned to about eight or ten inches apart.

	PKT.	OZ.	LB.
Purple Top Munich. The earliest of the flat turnips . . . . .	.05	.10	\$0.60
Purple Top Flat, Strap Leaf. The best of the flat or English turnips; used for early or late crops . . . . .	.05	.10	.60
White Top Flat, Strap Leaf. Very similar in form and quality to the Purple Top; not quite as desirable or popular . . . . .	.05	.10	.60
White Egg. A very handsome variety for fall crop; keeps well through the winter; skin very smooth; pure white; grows large; oval-shaped; one of the best table turnips grown . . . . .	.05	.10	.60
Yellow-Stone, or Globe. Of medium size, with yellow flesh; keeps well . . . . .	.05	.10	.60
Yellow Aberdeen. An old, well-known sort; rather more flat than last-named variety . . . . .	.05	.10	.60
White French. Oval in form; clear white flesh; one of the best winter turnips . . . . .	.05	.10	.60
German Sweet. Rather more globe-shaped than White French, and has a coarser appearance; white fleshed, and most excellent in flavor . . . . .	.05	.10	.60
Laing's Early Swede. One of the earliest of the Yellow Swedes; globe-shaped . . . . .	.05	.10	.60
London Extra Swede. A standard variety, of excellent quality; oval-shaped; short neck; free from roots . . . . .	.05	.10	.60
Shamrock Swede. Also a popular variety; rather more globe-shaped than the London; fine-grained; yellow flesh; short neck . . . . .	.05	.10	.60
Carter's Imperial Swede. Claimed by many to be the best Swede turnip grown; flesh a light creamy yellow; very smooth and solid; yields immense crops . . . . .	.05	.10	.60
White Swede. Somewhat resembling White French, but rather longer; an excellent late turnip . . . . .	.05	.10	.60
Long White, or Cow-Horn. A rapid-growing late variety, of a long or carrot shape; in some sections much cultivated for feeding to stock . . . . .	.05	.10	.60

SWEET, POT, AND MEDICINAL HERBS.

A small space in the garden may be used to great advantage for the cultivation of a few of the most useful and desirable herbs. Their cultivation is very simple, and but little care is needed beyond keeping down the weeds. Sow in April or May, in drills twelve to fifteen inches apart, and thin out the young plants where they stand too thick. When the ground is well covered with the foliage, it is a good plan to cut out every other row; which tie up in small bunches, and dry in the shade. The balance of the crop, having more room, will spread out, and again cover the ground in a short time. In this way a large crop may be taken from a small patch of land. As a rule, all herbs should be gathered when just coming into bloom.

SWEET, POT, AND MEDICINAL HERBS (Continued).

	PKT.	OZ.	LB.
Anise (<i>Pimpinella anisum</i>). Annual . . . . .	.05	.15	\$ 1.00
Anise (for flavoring) . . . . .			.25
Arnica (<i>Arnica Montana</i>). Perennial . . . . .	.10	2.00	
Balm (<i>Melissa officinalis</i>). Perennial . . . . .	.10	.40	
Basil, Sweet (<i>Ocimum basilicum</i>). Annual . . . . .	.05	.20	2.00
Borage (<i>Borago officinalis</i>). Annual . . . . .	.05	.20	2.00
Burnet (<i>Poterium sanguisorba</i>). Perennial . . . . .	.05	.20	
Caraway (<i>Carum carvi</i>). Perennial . . . . .	.05	.10	.60
Caraway (for flavoring) . . . . .			.20
Catnip (<i>Nepeta cataria</i>). Perennial . . . . .	.10	.50	
Coriander (<i>Coriandrum sativum</i>). Annual . . . . .	.05	.20	
Coriander (for flavoring) . . . . .			.20
Dill (<i>Anethum graveolens</i>). Biennial . . . . .	.05	.15	
Dill (for flavoring) . . . . .			.30
Fennel, Sweet (<i>Anethum fœniculum</i>). Perennial . . . . .	.05	.15	
Fennel, Sweet (for flavoring) . . . . .			.25
Horehound (<i>Marrubium vulgare</i>). Perennial . . . . .	.10	.40	
Hyssop (<i>Hyssopus officinalis</i>). Perennial . . . . .	.10	.40	
Lavender (<i>Lavendula vera</i>). Perennial . . . . .	.05	.20	
Lovage (<i>Levisticum officinale</i>). Perennial . . . . .	.10	.40	
Marjoram, Sweet (<i>Origanum marjorana</i>). Annual . . . . .	.05	.25	2.50
Opium Poppy (<i>Papaver somniferum</i>). Annual . . . . .	.10	.30	
Pennyroyal (<i>Hedeoma pulegiodes</i>). Annual . . . . .	.10	1.00	
Rosemary (<i>Rosemarinus officinalis</i>). Perennial . . . . .	.10	.50	
Rue (<i>Ruta graveolens</i>). Perennial . . . . .	.10	.30	
Saffron (<i>Carthamus tinctorius</i>). Annual . . . . .	.05	.20	2.00
Sage (<i>Salvia officinalis</i>). Perennial . . . . .	.05	.20	2.00
Sorrel (<i>Rumex crispus</i>) . . . . .	.05	.20	2.00
Summer Savory (<i>Satureia hortensis</i>). Annual . . . . .	.05	.20	1.50
Tarragon (<i>Artemisia Dracuncululus</i>). Perennial (Plants each) . . . . .	.25		
Thyme (<i>Thymus vulgaris</i>). Perennial . . . . .	.05	.30	4.00
Woodruff (<i>Asperula odorata</i>). Perennial . . . . .	.05	2.00	
Wormwood (<i>Artemisia absinthium</i>). Perennial . . . . .	.05	.20	2.00

HEDGE-PLANT SEEDS.

	OZ.	LB.
Arbor Vitæ, American (<i>Thuja Occidentalis</i>). Evergreen . . . . .	.30	\$ 3.00
Buckthorn (<i>Rhamnus catharticus</i>). Deciduous . . . . .	.20	1.50
Barberry (<i>Berberis vulgaris</i>). Deciduous . . . . .	.20	1.50
Fir, Norway Spruce (<i>Abies excelsa</i>). Evergreen . . . . .	.15	1.00
Honey Locust (<i>Gleditschia tricanthos</i>). Deciduous . . . . .	.15	1.00
Japan Quince (<i>Cydonia Japonica</i>). (See list of shrubs.)		
Osage Orange (<i>Maclura aurantiaca</i>). Deciduous . . . . .	.10	.75

CLOVER-SEEDS.

(Prices subject to variations of the market.)

	PER LB.
Red, Northern (<i>Trifolium pratense</i>), about	\$ 0.14
Red, Medium (<i>Trifolium pratense</i>), about . . . . .	.12
White Dutch (<i>Trifolium repens</i>), about . . . . .	.25
Alsike, or Swedish (<i>Trifolium hybridum</i>), about . . . . .	.25
Lucerne, or Alfalfa (<i>Medicago sativa</i>), about . . . . .	.25

SPECIAL MIXTURE OF GRASSES.

FOR

Hay and Permanent Pasture.

The most important and valuable crop grown in New England is the Hay Crop. This is equally true of many other sections of the country.

With this fact in mind, it is not a little to be wondered at that so little attention is given to the matter of properly seeding lands intended to bear crops of hay for several successive years, or to be used for an almost equally important purpose as permanent pasturage.

Most farmers follow the rule which their ancestors for generations have been accustomed to, and are content to use the stereotyped formula of "Timothy, Red-Top, and Clover" for all lands being laid down to grass; only varying the seeding by using greater or less quantities of seed, or by omitting the clover at times; there is no question as to the value of Timothy and Red-top *as hay*; but we have long held the opinion that, considering all points, these grasses are not fairly entitled to the leading position they have so long held.

By having early and late mixtures separate, and growing in different fields, it avoids the hurry necessary to harvest a large crop when the whole matures at the same time; as the early grass will usually be ready for cutting by the 10th of June, or even earlier, while the harvesting of the later crop may often be safely delayed until July 1, or later, according to the season and locality.

Orchard Grass makes hay that is fully equal to any other, and it yields as abundant crops as the combination of Timothy and Red-top, or either of them separately. *It is also a much more permanent grass* than Timothy, which is a very important feature, particularly where land is seeded with the intention of mowing it a few years, and afterwards allowing it to become a permanent pasture.

Orchard grass possesses another merit, which, all other qualities being equal, should at once place it in the very front rank,—*it comes to maturity some two or three weeks earlier than Timothy* and most of the other grasses in common use, and it is ready to be cut before the time of the seeding of that terrible pest the White Daisy, thus preventing its increase, and soon destroying it entirely. Stock will readily eat the daisy if it is cut before the stems get hard and woody, and this can be accomplished if Orchard Grass is used as a base when mixing the seed that is to be used. Red Clover also comes to maturity earlier than Timothy and Red-top; consequently it can be used with Orchard Grass to the very best advantage.

Our "**Special Mixture of Grass Seeds for Hay and Permanent Pasture**" comprises about one-half Orchard Grass seed, and the balance is made up of *Northern Red-top* (which grows taller and makes better hay than the Red-top from the South), a proper proportion of Red Clover (the mammoth variety), and some half-dozen more varieties of the **very best of imported grasses**. These latter give great permanency to the sward, besides *entirely overcoming the great and only objection to the use of Orchard Grass*, which, when used alone, is apt to grow in clumps and with an uneven sward. Although Orchard Grass is one of the best to grow in the shade, under trees, etc., it will produce heavier crops when exposed to the full sunlight.

The first cost of seeding with our **Special Mixture** is rather more than when using the customary formula. We believe that no better investment can be made than to seed down land properly; the only increased expense is the additional cost of seed,—a small item compared with the advantages to be gained. Use at least four bushels of seed per acre, evenly applied; and thus an even, firm sward, without vacant spaces, will become established.

The special Mixture of Grass Seeds we will supply at \$2.00 per bushel. For large quantities, special prices will be given on application.

GRASS * SEEDS.

(Prices subject to the variations of the market.)

Timothy (<i>Phleum pratense</i>). One of the most important of all the grasses, commonly called "Herd's-grass," and making what is known as "English hay;" thrives best upon rich, heavy soils, upon which it is quite permanent, and produces very heavy crops. When used alone, sow half a bushel of seed per acre; with other grasses, one-fourth to three-eighths of a bushel is enough. Blossoms in June or July. (45 pounds per bushel.) Price variable. (about)	BUSH. \$2.50
Red Top (<i>Agrostis vulgaris</i>). A very valuable, permanent grass; scarcely of less importance than Timothy; grows well upon almost any soil, but will pay well for high cultivation: especially valuable for meadows, pastures, and lawns, where permanent grasses are desirable. One bushel per acre is usually sown, mixed with Timothy, for mowing-lands: for pastures or lawns, if used alone, from two to four bushels are used per acre (14 pounds per bushel). Price variable. (about)	1.25
Red Top. Clean seed	LB. .20
Rhode Island Bent (<i>Agrostis canina</i>). A fine and very permanent grass, chiefly used for pastures or lawns, for which it is one of the best. In most localities it does not produce heavy crops. It has been claimed that this species and <i>A. vulgaris</i> are identical: the species are distinct, however. Blossoms in June or July. (12 pounds per bushel)	BUSH. 2.75
Kentucky Blue (<i>Poa pratensis</i>). Sometimes called "June grass;" an early grass of much value; the famous pasture-grass of Kentucky, which makes that State so famous for its superior horses and cattle. It thrives best upon limestone soils, and in partially shaded situations, but will do well upon any ordinary soil; stands the heat of summer remarkably well. For pastures and lawns it has no superior, giving that peculiar, rich shade of bluish green so much admired in the best lawns; also making a very close, velvety turf. It is usually sown mixed with other fine grasses; when used alone, two to three bushels of seed are required per acre. Blossoms in June. (14 pounds per bushel.) Fancy clean seed	1.75
Orchard (<i>Dactylis glomerata</i>). One of the very best grasses in cultivation, and rapidly coming into favor. If cut just as it is coming into bloom (as it always should be), a good second crop will follow, and sometimes even a third. It is recommended for sowing with red clover, as they come into flower at the same time. Orchard is one of the earliest grasses, yields immense crops, and makes the best of hay: it endures considerable shade, and is much used for sowing in orchards. Two to three bushels of seed will sow an acre. (14 pounds per bushel)	2.50
Fowl Meadow (<i>Poa serotina</i>). A valuable grass for wet meadows, where it will produce large crops of excellent hay after it has become well established. It thrives on such lands as are occasionally overflowed, but will not endure to remain under water for a long period, especially in hot weather. Blossoms in July or August. Sow two bushels per acre. (10 pounds per bushel)	2.25
Pacey's Perennial Rye-Grass (<i>Lolium perenne</i>). A rapid-growing, early grass; much used for sowing with other grasses in meadows, pastures, and mowing-lands. As it starts early, it soon shades the ground, affording shelter to the more delicate sorts. Should be cut as soon as it is in blossom. Makes excellent hay. Sow two bushels per acre, if used alone. (24 pounds per bushel)	2.56
Italian Rye-Grass (<i>Lolium Italicum</i>). One of the imported species, highly esteemed in England, where it is much used for soiling. It is valuable for mixing in with other grasses for permanent pastures, where its earliness recommends it. (18 pounds per bushel)	3.00
Tall Oat-Grass (<i>Avena elatior</i>). Also very valuable as a meadow and pasture grass; an early grass much relished by stock, and producing an abundance of foliage; recommended as one of the best pasture-grasses. Two or three pounds of seed for each acre should be added to the mixture of grass-seeds intended for permanent pasture. (12 pounds per bushel)	3.50

GRASS-SEEDS (Continued).

	LB.
Yellow Oat-Grass (<i>Avena flavescens</i>). Succeeds best sown with other grasses; a valuable pasture-grass. In sowing down for permanent pasture, it is well to use a small quantity of these grasses; in this way making more sure that those best adapted to the best soil will have a chance to become established. (8 pounds per bushel)	\$0.40
Meadow Fescue (<i>Festuca pratensis</i>). Several of the Fescue grasses are valuable for moist soils, particularly so for permanent grass-land or pastures; while others of the genus succeed best in very dry and even sterile soils. They are rarely sown as a main crop upon any land, being usually mixed with the various species of rye and oat grasses. Meadow Fescue is one of the principal grasses found in moist portions of old pastures and grass-fields. The seed ripens early, and sheds readily; and, where this species becomes well established, it remains many years. It is much relished by live-stock, and makes excellent hay. (15 pounds per bushel)	.20
Tall Fescue (<i>Festuca elatior</i>). Very similar to Meadow Fescue, and by some claimed as identical with that species; grows well in moist and shady places. (15 pounds per bushel)	.40
Sheep's Fescue (<i>Festuca ovina</i>). A low, dense-growing species, well adapted for use in dry pastures; particularly valuable where sheep are kept. (12 pounds per bushel)	.30
Hard Fescue (<i>Festuca duriuscula</i>). Not quite as common as the preceding species, but much like it in appearance and habit; grows rather coarser; valuable for dry soils. (14 pounds per bushel)	.30
Meadow Foxtail (<i>Alopecurus pratensis</i>). The only species in list of Foxtail grasses that is worthy of attention. It is not particularly valuable as a hay-crop, being light and very bulky: as a pasture-grass, it withstands heat and drought well. It is also an early grass, and grows rapidly. The seed is difficult to obtain, and is consequently rather high in price. (8 pounds per bushel)	.50
Rough-Stalked Meadow (<i>Poa trivialis</i>). Nearly all of the species in the genus <i>Poa</i> are valuable grasses; several of them are of such a succulent nature, however, that they will not withstand much drought: these species we do not recommend, and have avoided them in compiling this list. <i>Poa trivialis</i> is one of the best of our meadow-grasses. It should be used only upon moist soils, and well shaded with other grasses. In such situations it yields good crops. As hay, it shrinks nearly three-quarters of its weight when cut. (14 pounds per bushel)	.40
Wood Meadow (<i>Poa nemoralis</i>). A more dwarf and finer-growing species than the preceding; useful for moist and shady portions of lawns and pastures; generally used in mixture with other grasses. (14 pounds per bushel)	.40
Crested Dog's-Tail (<i>Cynosurus cristatus</i>). An extremely hardy grass, sometimes used in mixtures for sowing pasture-land. When mature, the stems are rather too hard and wiry to be relished by cattle: it is more especially adapted to use in sheep-pastures. From this grass is obtained the Leghorn straw of commerce. (28 pounds per bushel)	.45
Sweet Vernal (<i>Anthoxanthum odoratum</i>). This species is indispensable in lawn grass-seed. It is one of the first grasses to appear in spring, and remains green later in the autumn than almost any other. It is also remarkable as being almost the only species that possesses fragrance. When cut and drying, the air is filled with its delightful aromatic odor, which is also imparted to the other grasses cured with it. No lawn should be seeded without a liberal portion of this grass-seed. It is also valuable in pastures on account of its extreme earliness. (11 pounds per bushel)	.40
Lawn-Grass. A few hints may be of service to those who lack experience in laying out and seeding lawns or other pleasure-grounds. To insure a really fine lawn, there are several requisites: a good depth of rich soil, properly drained, and free from bowlders immediately below the surface; a liberal dressing of thoroughly decayed manure (ten or twelve cords per acre); nicety of grading in the levels and slopes; a firm, smooth surface upon which to sow the seed; and a sufficient quantity of the very best lawn grass-seed, suited to the situation. The latter item is of prime importance. Bowlders below the surface will, during the heat of summer, cause unsightly dry spots in an otherwise beautiful lawn: all such should be removed. A rich soil of good depth, and liberally fertilized, will maintain a fine greensward permanently, needing only an occasional top-dressing. Fresh strawy manure should never be used in making a lawn: when decaying, it is liable to allow uneven settling of the soil. Make a smooth surface with harrow and rake, and use a roller to make it firm and even, before sowing the seed. After sowing, cover the seed well by raking it in, and again use the roller to	



finish the work. Use four bushels, or even more, of the best lawn-seed, per acre. In this latitude there is no more favorable season for sowing than the last of August or the first of September. Sown at this time, the grass will be strong enough to winter over safely; and the weeds which will inevitably appear, being mostly annual plants, will not have time to mature, and scatter their seeds. If the seeding cannot be delayed till autumn, it should be done as early in spring as possible, so that the young grass may be strong enough to withstand the heat of midsummer.

	BUSH.	QT.
Finest English mixture (16 pounds per bushel)	\$4.00	.25

MILLETS.

(Prices subject to variations of the market.)

BUSH.

Hungarian Grass (<i>Panicum Germanicum</i>). An annual forage-plant of great value. It flourishes during the heat of summer, remaining green when almost all other vegetation is dried up. It is one of the very best plants for green fodder, or for ensilaging, and makes hay of the best quality. It yields immense crops, and thrives upon somewhat dry, light soils. Sow broadcast about one bushel of seed per acre, at any time from the middle of June till the first of August. (48 pounds per bushel.) Price variable (about)	\$1.50
Millet, Common or Italian (<i>Panicum miliaceum</i>). In habit and usefulness, very similar to the preceding. The flower-stem is of a more branching, open appearance. This plant requires a rather better soil than Hungarian; cultivation the same. (50 pounds per bushel.) Price variable (about)	1.50
Golden Millet (<i>German millet</i>). Grows much taller, and produces larger crops, than either of the preceding species; it also requires more time to grow, and a good soil. It makes a very coarse-looking, dry fodder, which is readily eaten by live-stock. Cultivation the same as the other millets. (50 pounds per bushel.) Price variable. (about)	2.00

SEED-GRAIN.

(Prices subject to variations of the market.)

QT. BUSH.

Spring Wheat. Highland, a superior variety; yields good crops . . . . .	.15	\$2.00
Winter Wheat. Clawson, the best white winter wheat known . . . . .	.15	2.00
Spring Rye. Extra selected		1.50
Winter Rye. Extra selected		1.25
Barley, Two-Rowed. Clean, and free from oats		1.30
Oats, White Russian. Do not rust; very productive :		1.00
Oats, Surprise. Extra large and heavy		1.00
Buckwheat. Common		1.40
" Silver-hull		1.75

BIRD-SEEDS.

(Prices subject to variations of the market.)

QT. BUSH.

Canary-Seed, Sicily. Carefully selected; the best quality, re-cleaned . . . . .	.15	\$3.00
Hemp, Russian. Heavy seed; first quality, re-cleaned . . . . .	.10	2.50
Rape, German. Small-seeded variety, imported seed; extra quality . . . . .	.15	3.00
Rape, English. Large-seeded; not as much in demand for bird-food as the small-seeded variety . . . . .	.15	3.00
Rice, Unhulled or Paddy . . . . .	.15	3.00
Millet . . . . .	.10	1.50
	LB.	
Maw (<i>Blue Poppy</i>) . . . . .	.15	
	QT.	BUSH.
Sunflower . . . . .	.15	\$3.00
Mixed Bird-Seed (<i>canary, hemp, rape, and millet</i>) . . . . .	.15	2.75

BIRD-SEEDS (Continued).

	LB.	BUSH.
Cuttle-Fish Bone . . . . .	.30	
Mocking-Bird Food (<i>for all soft-billed birds</i>) . . . . .	.25	
	QT.	
Parrot-Food. Best mixture . . . . .	.15	\$3.00
Bird-Gravel . . . . .	.10	

MISCELLANEOUS SEEDS.

	QT.	BUSH.
Flaxseed . . . . .	.20	\$3.00
Broom-Corn. Improved dwarf . . . . .	.20	3.00
Vetches (<i>for spring sowing</i>)		3.00
	LB.	
Early Amber Sugar-Cane . . . . .	.30	

HANDY BOOKS ON GARDENING.

SENT BY MAIL ON RECEIPT OF PRICE.

Quinn's Money in the Garden	\$1.50
Henderson's Garden and Farm Topics	1.50
Henderson's Gardening for Profit	1.50
Henderson's Practical Floriculture	1.50
Henderson's Gardening for Pleasure	1.50
Henderson's Handbook of Plants	3.00
Robinson's Mushroom Culture . . . . .	.75
Schenk's Gardener's Text-book . . . . .	.75
Rand's Popular Flowers	2.00
Rand's Garden Flowers	2.50
Rand's Flowers for Parlor and Garden	2.50
Williams' Window-Gardening	1.50
Potato Pests, their Habits, and Remedies for their Destruction . . . . .	.75
Profits in Poultry	1.00

MORRILL'S TREE-INK.

The best and cheapest article for use in protecting trees from the ravages of the canker-worm. Full directions for applying with each package.

2-pound cans, each . . . . .	.30	10-pound cans, each	\$1.10
3-pound cans, each . . . . .	.45	20-pound cans, each	2.00
5-pound cans, each . . . . .	.60	28-pound cans, each	2.80

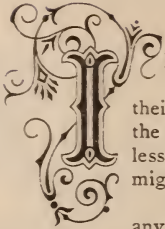
GRAFTING-WAX.

A superior article, made expressly for us by a nurseryman of life-long experience. It invariably gives the best satisfaction whenever used. It is neatly put up in pound, half-pound, and quarter-pound packages. Per pound, 30 cents.

CARBOLIC PURIFYING-POWDER.

The best disinfectant known; far more pleasant and effective than chloride of lime. A light application removes all unpleasant odors from sinks, drains, water-closets, damp or mouldy places, or wherever bad odors exist. It is adopted by various Boards of Health, upon recommendations by physicians and scientific men, as a preventive of fever; will free cattle and poultry from vermin, and is safe to apply to them. Good reports are had from its use in the hill with potatoes, thereby preventing rot; also around trees, vines, etc., to prevent the ravages of various insects. In packages at 25 cents and \$1.00 each. By the barrel, price upon application.

FLOWER * SEEDS.



Our list of flower-seeds will be found all those varieties known to be desirable, and worthy the attention of florists and amateurs. Our Catalogue is arranged with a view to aid our patrons in their selections by offering the very best varieties of each species, and to avoid the confusion attending the selection from catalogues in which the greatest possible number of varieties are presented, regardless of their value; many of which only disappoint the cultivator by taking time and garden space which might otherwise be used in growing better flowers.

Constant care is required, in any event; but with patience, and the exercise of reasonable judgment, any one may soon acquire experience enough to successfully grow most of the species of flowers: failure oftener results from ignorance and negligence than from any fault of the seeds or of nature.

A few suggestions may prove of value to those who are unfamiliar with floriculture. The selection of the seeds; the preparation of the flower-beds or borders; the choice of location best suited to each species; the use of fertilizers; the time and manner of sowing seeds or of setting plants; the destruction of noxious weeds and injurious insects; and many other details incident to the cultivation of a flower-garden, — all require care, and more or less skill.

The first requisite is RELIABLE SEEDS: we spare no pains or expense to procure the very *best*. A thorough trial of our seeds will do more to establish this fact in the minds of our patrons than any statement by us would be likely to do.

The seeds of some of the species are very small and delicate, and, from many causes, are liable to fail, particularly when sown in the open ground. If sown too early, the earth lacks the warmth necessary to insure germination; if covered too deeply, the delicate sprouts cannot force their way through; if heavy rains ensue, the seeds may be entirely washed away, or the soil beaten down and crusted over, or perhaps left in such a wet condition as to cause the seeds to decay. Again: the sowing may be followed by extreme heat and drought; and, if the seeds have become at all swollen, they are liable to become dry again: in such a case they are utterly ruined.

The middle of May is early enough, in this latitude, to sow most of the species in the open ground: too early sowing is a great mistake. The small and delicate seeds must be covered very lightly with earth: the finest of them had better be sown without any covering; beyond the simple pressure of a smooth board; the larger and more hardy seeds may be planted deeper, and some of them earlier.

A rather light, sandy loam suits most flowers; and in such soils seeds generally germinate well. Some flowers thrive best in a rather shady situation and in rather heavy clay soils (the pansy is a notable example), while other species do best upon light, poor soils, and exposed to the full rays of the sun: this is particularly true of the portulaca. A partial shading is necessary to protect those delicate seedlings that come from very small seeds. The seeds of nearly all the annual varieties, and many of the biennials and perennials, may be sown in March or April under glass, in frames, in greenhouses, or in small boxes in any sunny window. In this way a good stock of plants may be had at small expense, and a gain of several weeks made in the season of blooming; less weeding of the flower-beds will be necessary; and, when the plants are set out of doors, further transplanting is not required. Shallow boxes two to three inches deep, and with open seams at the bottom, are the best in which to start the seeds. Fill these boxes to within half an inch of the top with good, rich soil, mixed with about one-fourth sand; or, if convenient, procure some fine leaf-mould from the woods. Make the surface level and smooth, and upon this scatter the seeds sparingly. Use a fine sieve, with which sift carefully over the seeds just enough earth to cover them. Afterwards gently shower them with tepid water, using a fine sprinkler; and keep the boxes in a temperature as near 60° as possible. Avoid much watering, unless the surface of the soil appears dry. Transplant into other boxes when the plants are large enough to handle, setting them from half an inch to an inch apart. Sometimes the young seedlings are attacked by a minute fungus, which causes them to "damp off." In such a case no time is to be lost in transplanting into other boxes. In setting plants out into the beds or borders, allow liberal space for each: crowding too many into a small area is a mistake very often made. For fertilizers, use well-decayed stable-manure, made very fine, and well mixed into the soil, or some first-class commercial fertilizer. From an experience of several years, we confidently recommend for general use the Soluble Pacific Guano. As a fertilizer for all plants, we have not found anything better: it acts more quickly than stable-manure, and has the additional advantage of never introducing the seeds of weeds; by its use the foliage of plants soon acquires a richer green color; and many claim that it imparts a brighter hue to the flowers of many species. It may be applied at the time of sowing or of transplanting, or later, whenever needed, using care not to sprinkle it upon the foliage of the plants, nor to apply too much at once.

Flowers are classified as Annuals, Biennials, and Perennials. Annuals are those plants that bloom the first year from seed, and, after ripening their seeds, perish the same season. They comprise many of the most beautiful flowers, and, as a rule, are of easy culture. Some of the Biennials and Perennials will flower the first season if the seed is sown early, and they may then be kept over for another year, or longer. Pansy, Antirrhinum, Dianthus, etc., belong to this class. Biennials generally bloom the second year from planting the seed, and then die. Perennials, as a rule, bloom the second year, and are more or less permanent thereafter. The seeds of some of the Perennials remain a long time in the soil before germinating.

Several species of the Biennials and Perennials will succeed well if the seeds are sown early in autumn.

Particular attention is called to our LIST OF NOVELTIES IN FLOWERS, which includes almost all the new varieties sent out by the European growers. Of late, many very beautiful new sorts have been added to our gardens and conservatories; and doubtless many of these novelties are well worthy attention.



FLOWER-SEEDS.

SEED QUOTED AT

10 cts. to 25 cts. per oz. ; not less than 1 oz. at oz. price.						
30	"	50	"	"	"	1/2 " " "
60	"	\$ 1.00	"	"	"	1/4 " " "
\$1.25	"	3.00	"	"	"	1/8 " " "
3.50 upwards						1/16 " " "

ABRONIA.

PKT. OZ.

Trailing plants, with sweet-scented, verbena-like flowers. Remove the husk before sowing, and start under glass. They succeed best in a light, rich soil. *Annuals.*

Arenaria. Yellow. 1/2 ft. . . . .	.05	\$1.00
Umbellata, Grandiflora. Large, pure rose; fine. 1/2 ft. . . . .	.05	.75
Villosa. Dark rose; very free flowering. 1/2 ft. . . . .	.05	.75

ABUTILON.

Desirable plants for conservatory or house culture, with bell-shaped flowers. Grow rapidly in sandy loam, and are very effective when plunged in the border in summer. *Half-hardy shrubs.*

Extra Fine Mixed. From new fertilized sorts . . . . .	.25
Fine Mixed . . . . .	.10

ACACIA.

Graceful, ornamental plants, that may be employed for out-door decoration in summer, and conservatories in winter. Succeed best in sandy loam. *Greenhouse shrubs.*

Mixed Varieties . . . . .	.10	\$1.00
Brachybotrya. Very fine; flowering several times during the winter . . . . .	.10	1.50
Coccinea. Bright rose . . . . .	.15	
Lophanta. A very fine variety of this ornamental plant . . . . .	.10	1.00

ACHILLEA.

Ptarmica, fl. pl. Free flowering, hardy, herbaceous plant, with double white flowers; splendid for cutting. 1 ft.10
--	-----

ACROCLINIUM.

One of the most beautiful and valuable of the everlasting flowers, and grown extensively for winter bouquets. Sow in hot-beds, and transplant. *Annuals.*

Album. Single white. 1 ft. . . . .	.05	.30
" fl. pl. Double white. 1 ft. . . . .	.10	
Roseum. Single bright rose. 1 ft. . . . .	.05	.30
" fl. pl. Double rose. 1 ft. . . . .	.10	

ADLUMIA (*Mountain Fringe*).

A beautiful perennial climber, with elegant foliage, resembling the maiden-hair fern. Sow the seed in May where they are to remain, and they will bloom the following season.

Cirrrosa. Pink. 10 ft. . . . .	.05	1.50
" Purpurea. Purple. 10 ft. . . . .	.10	

ADONIS.

Handsome plants with showy flowers, and of easy culture in any soil. Seed should be sown early.


Æstivalis (<i>Flos Adonis</i>). Scarlet. <i>Annual.</i> 1 ft. . . . .	.05	.50
Vernalis. Yellow. <i>Perennial.</i> 1 ft. . . . .	.05	.50

AGERATUM.

Fine plants for massing outside, and valuable for winter blooming in the house. Prized by the florists for cut flowers. *Annuals.*

Conspicuum. White; blooms until frost; fine for bouquets. 1 1/2 ft. . . . .	.05	1.50
Lasseauxii. Very fine rose color. 1 1/2 ft. . . . .	.05	1.50
Mexicanum Album. White. 1 1/2 ft. . . . .	.05	.50
" Blue. 1 1/2 ft. . . . .	.05	.50
" Imperial Dwarf. Dark blue. 1 ft. . . . .	.05	.75
" " " White. 1 ft. . . . .	.05	.75
" Little Dorrit. Azure blue; very floriferous . . . . .	.10	1.50
" Swanley Blue. Large-flowering; charming . . . . .	.10	1.50



—  —

AGATHEA.

	PKT.	OZ.
Cœlestis (<i>Blue Marguerite</i>). The flowers are the counterpart of the <i>Paris Daisy</i> , except color, which is light blue with a yellow disk; it is of easy growth, and produces flowers all the year. <i>Tender perennial</i> . . . . .	.10	

AGROSTEMMA.

Attractive, free-flowering plants of easy culture, fine for beds or borders, and an excellent cut flower.

Coronaria Atrosanguinea (<i>Rose Campion</i>). Crimson. <i>Perennial</i> . 2 ft. . . . .	.05	.50
“ Alba . White. <i>Perennial</i> . 2 ft. . . . .	.05	.50
Cœli Rosea (<i>Rose of Heaven</i>). Deep rose. <i>Annual</i> . 1 ft. . . . .	.05	.40
“ Alba . White. <i>Annual</i> . 1 ft. . . . .	.05	.40

ALLIUM.

Azureum . Hardy, bulbous-rooted plant, with large heads of showy azure-blue flowers. <i>Perennial</i> . 1 ft.10	1.50
--	-----	------

ALONSOA (*Mask-Flower*).

Very ornamental, either in the greenhouse or outside in summer. Very desirable in the garden for the brilliancy of their flowers. Succeeds in any light, rich soil. *Annual*.

Albiflora . White. Very constant and fine. 1 ft. . . . .	.05	.50
Linifolia . Scarlet. Pyramidal habit, and very free flowering. 1 ft. . . . .	.05	.75

ALYSSUM.

Free-flowering plants, suitable for beds, borders, or rock-work. Grow well in any rich garden-loam.

Maritimum (<i>Sweet Alyssum</i>). White. <i>Annual</i> . 1 ft. . . . .	.05	.50
Saxatile Compactum (<i>Golden Alyssum</i>). Yellow. <i>Perennial</i> . 1 ft. . . . .	.05	.75
Benthami “ Dwarf, compact, and very sweet. <i>Annual</i> . . . . .	.05	.75

AMARANTHUS.

Graceful ornamental foliage plants, producing a striking effect in the flower-garden. Sow the seed early, and set out the last of May, or in June, in rich soil. *Annuals*.

Bicolor Ruber . Scarlet and orange foliage. 2 ft. . . . .	.05	.50
Caudatus (<i>Love Lies Bleeding</i>). Crimson. 3 ft. . . . .	.05	.50
Cruentus (<i>Prince's Feather</i>). Scarlet. 3 ft. . . . .	.05	.50
Henderi . Very brilliant foliage; splendid. 3 ft. . . . .	.05	1.00
Melancholicus Ruber . Dark-crimson foliage. 3 ft. . . . .	.05	.40
Princess of Wales . Carmine, orange-green, and bright yellow	.05	1.00
Salicifolius . Scarlet and purple; one of the handsomest. 3 ft. . . . .	.05	1.00
Tricolor (<i>Joseph's Coat</i>). Red, yellow, and green foliage. 2 ft. . . . .	.05	.40
“ Splendens . Remarkable for the brilliancy of their coloring . . . . .	.10	
Mixed Varieties . . . . .	.05	.40

AMMOBIUM.

Pretty annuals, producing white everlasting flowers. Sow the seed the last of May in the open border. They do well in almost any situation.

Alatum Grandiflorum . Large flowering and pure white. 2 ft.05	.60
--	-----	-----

AMPELOPSIS.

Veitchii (<i>Japanese Ivy</i>). A species of the woodbine from Japan, which has proved entirely hardy. The leaves are small, and at first of an olive-green color, changing to bright scarlet in the autumn. <i>Hardy perennial</i>05	.50
--	-----	-----

ANCHUSA.

Angustifolia . Hardy, herbaceous plant, flowering the first season; a long bloomer, and splendid for bouquets; with azure blue, forget-me-not-like flowers . . . . .	.10	1.50
Capensis . Annual, with flowers like the preceding . . . . .	.05	1.00

ANAGALLIS.

Universal favorites of the flower-garden; suitable for beds, borders, and rockwork. *Annuals*.

Grandiflora Mixed . Large flowering varieties. ½ ft.05	1.00
---	-----	------

ANEMONE (*Wind-Flower*).

Very pleasing, hardy perennials, easily grown from seed; some varieties producing flowers early in the spring, others in the autumn. Fine for bouquets. Very rich soil.

Chinese (<i>Garden Anemone</i>). Extra mixed. Large-flowered varieties. ½ ft. . . . .	.05	1.00
Japanica Honorine Jobert . White, with yellow centre; blooms in the autumn. 3 ft. . . . .	.15	

ANGELONIA.

Grandiflora . Beautiful for greenhouse culture in pots, having fine spikes of blue flowers; very sweet-scented. It blossoms the first season. Light, rich loam25	
---	-----	--

ANTHERICUM.

Liliastrum Major . One of the finest hardy, herbaceous plants grown, producing pure white, sweet-scented, gladiolus-like spikes in early summer . . . . .	.10	
Liliago (<i>St. Bernard's Lily</i>). Free flowering perennial, with numerous spikes of delicate white flowers . . . . .	.10	



BELLIS PERENNIS (*Double Daisy*).

Well-known perennials. Admirably adapted for making edgings to borders, and growing in pots. They grow best in a shady and rather cool situation, in loamy soil, richly manured.

	PKT.	OZ.
Double White. From extra double flowers. 1/2 ft. . . . .	.15	\$ 6.00
“ Red. Longfellow. Fine dark rose color. 1/2 ft. . . . .	.15	
“ Extra Mixed. From prize flowers. 1/2 ft. . . . .	.15	6.00
“ Good Mixed. 1/2 ft. . . . .	.05	4.00

BIDENS.

Atrosanguinea (*Dahlia zimapani*). A very handsome flower, of a deep-purple color, about 1 1/2 inches in diameter, and single. Seed started early will produce fine flowers the first season. Light, rich loam. *Half-hardy perennial*

	.10	1.50
--	-----	------

BOCCONIA.

Japonica. Very ornamental-leaved plant, perfectly hardy, and well adapted for borders, or growing in clumps; forming a bush about 6 feet high, with beautiful spikes of white flowers

	.10	2.00
--	-----	------

BRACHYCOME (*Swan River Daisy*).

A beautiful plant, resembling the daisy, growing from 6 to 10 inches high, compact branching habit, with abundance of blue and white flowers; suitable for rockeries, etc. Peaty loam. *Annual.*

Iberidifolia. <i>Mixed.</i> 1/2 ft.05	1.00
--	-----	------

BROWALLIA.

Very handsome, free-flowering plants, completely studded with their beautiful flowers the whole summer; excellent for cut flowers. Light, rich soil. *Annuals.*

Abbreviata. Deep rose. 1 1/2 ft. . . . .	.15	
Czerwiakowski. Deep blue, with white centre. 1 1/2 ft. . . . .	.05	1.00
Elata Grandiflora. Large flowered blue. 1 1/2 ft. . . . .	.05	1.00
“ Alba. White. 1 1/2 ft. . . . .	.05	1.00
Rœzli. Blue and white flowers, double the size of other species. 1 1/2 ft. . . . .	.10	1.50
Extra Mixed. 1 1/2 ft. . . . .	.05	1.00

CACALIA (*Tassel-Flower*).

Beautiful and profuse flowering plants, with tassel-shaped flowers, grown readily from seed sown where it is to remain. Rich, sandy loam. *Annuals.*

Aurantiaca. Golden yellow. 1 1/2 ft. . . . .	.05	.50
Coccinea. Bright scarlet. 1 1/2 ft. . . . .	.05	.50

CALCEOLARIA.

Plants of a highly decorative character; very desirable for house or conservatory culture; remarkable for their size, color, and markings. Sow the seed in August or September, for early flowering, in a light, rich compost. *Tender perennials.*

Hybrida Grandiflora. Self-colored and spotted varieties mixed, from prize flowers . . . . .	.50	
“ “ Tigrina. Tigred or spotted, from prize flowers . . . . .	.50	
“ “ Pumila Compacta. Dwarf self-colors. Extra mixed . . . . .	.50	
“ “ “ Tigrina. Dwarf, tigred or spotted. Extra mixed, . . . . .	.50	
“ “ “ Victoria Prize. Large size and brilliant colors . . . . .	.50	
Rugosa. Shrubby or bedding variety. Mixed colors . . . . .	.50	

CALANDRINIA.

Very beautiful dwarf-growing plants. Seed started inside, and planted out in May or June; are a blaze of beauty when the sun strikes them. Light and rather dry soil.

Umbellata. Bright crimson. <i>Annual.</i> 1/2 ft.05	1.50
--	-----	------

CALENDULA (*Pot Marigold*).

Showy, free-flowering, hardy annuals, producing a fine effect in beds or borders, and flowering very late in the autumn. Extensively used by florists; grow well in any good garden soil.

Officialis fl. pl. Le Proust. Double; nankeen colored; constant. 1 1/2 ft. . . . .	.05	.40
“ “ Meteor. Double; light orange-striped flowers. 1 1/2 ft. . . . .	.35	.40
“ “ Prince of Orange. Double; deeper orange than “Meteor.” 1 1/2 ft. . . . .	.05	.40
“ “ Ranunculoides (<i>Garden Marigold</i>). Double orange; very fine. 1 1/2 ft. . . . .	.05	.40
“ “ Superba. Double; rich yellow; dark eye. 1 1/2 ft. . . . .	.05	.40
Pluvialis (<i>Cape Marigold</i>). White . . . . .	.05	.40

CALAMPELIS (*Eccremocarpus*).

Scabra. Well-known, beautiful, half-hardy climber; its bright orange-colored flowers being conspicuous among the delicate green of the foliage. It grows best in light, rich soil, and should be protected through the winter in a cold pit. Flowers the first season from seed. 10 ft.

	.10	1.50
--	-----	------

CALLIRHOE.

An elegant genus of plants strongly resembling the scarlet Linum; commence to bloom when 6 inches high, giving a mass of flowers the entire summer. Rich soil.

Macrorhiza. Lilac and white. <i>Perennial.</i> New. 2 ft. . . . .	.15	
Pedata Nana Compacta. Deep rose. <i>Annual.</i> 1 ft. . . . .	.10	2.00



CAMPANULA (*Bell-Flower*).

Beautiful, well-known plants, characterized by the richness of their colors, and profusion of their bloom. They include the favorite Canterbury Bells, which are among the most attractive border-plants. Light, rich soil.

	PKT.	OZ.
Annual Varieties. Mixed. 1 ft. . . . .	.05	\$ 1.00
Latifolia Macrantha. Deep purple, free-flowering, hardy perennial . . . . .	.05	1.50
Perennial Varieties. Mixed. Free-flowering, hardy sorts. 2 ft. . . . .	.05	1.50
Medium (<i>Canterbury Bells</i>). <i>Double and Single.</i> Mixed. <i>Biennial.</i> 2½ ft. . . . .	.05	.50
“ Double Rose. <i>Biennial.</i> 2½ ft. . . . .	.05	1.00
“ “ White. “ “ . . . . .	.05	.75
“ “ Blue. “ “ . . . . .	.05	.75
“ Single Rose. “ “ . . . . .	.05	.50
“ “ White. “ “ . . . . .	.05	.50
“ “ Blue. “ “ . . . . .	.05	.50
“ Calycanthema (<i>Cupped Canterbury Bells</i>). Mixed. <i>Biennial.</i> 2½ ft. . . . .	.05	.75
“ Striata. New. Stripped and spotted blue and white; fine . . . . .	.10	

CANARY-BIRD VINE. (See *Tropæolum*.)

CANDYTUFT. (See *Iberis*.)

CANNA (*Indian Shot*).

These plants are grown for the remarkable beauty of their foliage, and produce a striking effect on lawns during the summer, either singly or in groups. Seed should be sown early in a strong, moist heat, and the roots kept through the winter like dahlias. *Half-hardy Perennials.*

Fine Mixed. 4 to 8 ft. . . . .	.05	.50
Dark Varieties, Mixed. 4 to 8 ft. . . . .	.05	.75
Collection of twelve separate colors . . . . .	.75	

CARNATION PINK. (See *Dianthus*.)

CATANANCHE.

Very showy, free-flowering, hardy perennials. Succeed in any garden soil.

Mixed Colors. 2 ft.05	.50
------------------------------------	-----	-----

CEDRONELLA.

Can. Hardy perennial plant with fragrant foliage, and long spikes of purplish flowers, remaining a long time in bloom. 2 ft.

.10

CELOSIA (*Cockscomb*).

Free-flowering, graceful plants, producing their flowers in combs and beautiful feathery spikes. Should be sown early, and transplanted in June in a rich soil. *Annuals.*

Cristata (<i>Cockscomb</i>). <i>Tall Crimson.</i> 2 ft. . . . .	.10	2.50
“ “ <i>Dwarf Crimson.</i> 1 ft. . . . .	.10	2.00
“ “ <i>Glasgow Prize.</i> Dark foliage, with crimson combs. 1 ft. . . . .	.10	3.00
“ “ <i>Tall Mixed.</i> 2 ft. . . . .	.05	1.50
“ “ <i>Dwarf Mixed.</i> 1 ft. . . . .	.05	1.50
Pyramidalis Coccinea. Crimson; feathery spikes. 3 ft. . . . .	.05	1.00
“ Atroviolacea. Violet; feathery spikes. 3 ft. . . . .	.05	1.00
“ Aurea. Golden; feathery spikes. 3 ft. . . . .	.05	1.00
“ Mixed. Feathery spikes. 3 ft. . . . .	.05	1.00
Huttonii. Dark ornamental foliage; crimson. 2 ft. . . . .	.10	3.00
Collection of six separate colors . . . . .	.50	

CENTAUREA.

Very showy, free-flowering plants, some of which have beautiful silvery foliage, and are well adapted for ribbon borders and carpet bedding. Succeed in any garden soil.

Cyanus (<i>Bachelor's Button</i>). Mixed colors. <i>Annual.</i> 2 ft. . . . .	.05	.40
“ “ “ <i>Black Blue, White, Rose, Lilac, and Red</i> each	.05	.50
Moschata (<i>Sweet Sultan</i>). Mixed colors. <i>Annual.</i> 2 ft. . . . .	.05	.50
“ “ “ <i>Blue, White, and Purple</i> each	.05	.60
Sauveolens, “ “ <i>Yellow.</i> <i>Annual.</i> 2 ft. . . . .	.05	.75
Candidissima. Silver-leaved, foliage broader and whiter than the others. <i>Half-hardy perennial.</i> 1 ft. . . . .	.10	6.00
Clementei. Silver-leaved, finely cut, and very white. <i>Half-hardy perennial.</i> 1 ft. . . . .	.10	2.00
Gymnocarpa. Silver-leaved, very graceful. <i>Half-hardy perennial</i> . . . . .	.10	1.50

CENTRANTHUS.

Very pretty, compact-growing plants, effective in beds, ribbons, or as an edging; grow and flower freely in common garden soil. *Annuals.*

Mixed Colors. 1½ ft.05	.50
-------------------------------------	-----	-----

CHRYSANTHEMUM.

Showy and effective garden favorites. The annual varieties are in great demand, and extensively grown for cut flowers all the year, making a fine pot-plant for winter, and excellent for beds or borders through the summer. Succeed best in loam and rotten manure, equal parts.

Frutescens (<i>White Marguerite, or Paris Daisy</i>) . . . . .	.10
Chinese. Double, large-flowered, mixed, well-known variety for pot and greenhouse culture . . . . .	.25
“ Pompon. Same as preceding, with small flowers . . . . .	.25
Uliginosum. Abundant large white flowers, excellent for cutting . . . . .	.25

CHRYSANTHEMUM (Continued).

	PKT.	oz.
Japanese. Long, loose petals; from prize double flowers . . . . .	.25	
Tricolor Burridgeanum. Single, white, with crimson band and yellow centre. <i>Annual.</i> 1½ ft. . . . .	.05	\$ 0.50
“ Eclipse. Golden yellow, dark-brown disk, with purplish ring. <i>Annual.</i> 1½ ft. . . . .	.10	
“ Lord Beaconsfield. Crimson maroon, edged with gold. <i>Annual.</i> 1½ ft. . . . .	.05	1.00
“ The Sultan. Deep crimson, gold band next the centre. <i>Annual.</i> 1½ ft. . . . .	.05	1.00
“ W. E. Gladstone. Brilliant, rich crimson, distinct. <i>Annual.</i> 1½ ft. . . . .	.05	1.00
“ Venustum. Single, crimson, with white band and yellow centre. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Coronarium Sulphureum Flore Pleno. Double lemon, fine for cutting. <i>Annual.</i> 1½ ft. . . . .	.05	.75
“ Album “ “ Double white, fine for cutting. <i>Annual.</i> 1½ ft. . . . .	.05	.75
Segetum Grandiflorum. Single, deep rich yellow, fine. <i>Annual.</i> 1½ ft. . . . .	.05	.75
Double Mixed. Annual varieties. 1½ ft. . . . .	.05	.50
Single Mixed. Annual varieties. 1½ ft. . . . .	.05	.50
Collection of twelve separate colors. <i>Annuals</i> . . . . .	.60	

CHELONE.

Barbata Torreyi. The singular beauty of this hardy, herbaceous perennial entitles it to a place in every collection. The flowers are a fine scarlet, and they grow well in any ordinary soil. 3 ft.

	.05	.75
--	-----	-----

CINERARIA.

A favorite greenhouse plant, with great variety of beautiful colors, blooming through the winter and spring months. Seed should be sown in September or October; when large enough, potted in an equal mixture of loam, leaf-mould, and sand, and in February repotted in a stronger soil.

Hybrida Grandiflora. This strain is saved only from extra large flowering prize varieties. 1½ ft. . . . .	.50	
“ “ Brilliant Prize. Large and brilliant colored strain. 1½ ft. . . . .	.50	
“ “ Nana. New, large-flowering, dwarf varieties, splendid strain. 8 inches . . . . .	.50	
“ “ Plenissima. Double, of greatest perfection, in beautiful variety of colors, . . . . .	.50	
Maritima (Dusty Miller). Silver foliage. 1 ft. . . . .	.05	1.00
“ Candidissima. Same as preceding, with whiter foliage. 1 ft. . . . .	.05	1.00
Acanthifolia. Fine silvery foliage. 1 ft. . . . .	.10	2.00

CLARKIA.

Favorite annuals, with pretty, cheerful-looking flowers, growing freely, and blooming profusely in any good garden loam.

Mrs. Langtry. Purest white, with a brilliant carmine centre. Single. ½ ft. . . . .	.05	.75
Purple King. Fine purple flowers of great effect; very double. ½ ft. . . . .	.05	.75
Salmon Queen. Double flowers of a salmon-rose color; handsome. ½ ft. . . . .	.05	.75
Double Mixed. ½ ft. . . . .	.05	.50
Single Mixed. ½ ft. . . . .	.05	.50

CLEMATIS.

Well-known, rapid-growing, free-flowering climbers, admirably adapted for covering arbors, verandas, etc. They delight in a strong, rich soil. The seed require some time to germinate. *Hardy perennials.*

Jackman's New Hybrids. Excellent new varieties from Mr. Jackman's celebrated collection.

	.15
--	-----

CLIANTHUS (Glory Pea).

Dampieri. A magnificent greenhouse shrub. The flowers are brilliant scarlet, with a black blotch in the centre. They grow best in a rich, sandy loam, and do not stand transplanting . . . . .	.25	6.00
Puniceus. Brilliant red, spotted with white . . . . .	.10	4.00

CLINTONIA.

Handsome, free-flowering plants, suitable for borders, baskets, and rock-work. They resemble the lobelia, and flower until frost.

Finest Mixed. *Annual.* ½ ft.

	.05	3.00
--	-----	------

CLITORIA.

Cœlestis. Handsome greenhouse climbers, producing large bright-blue flowers. Flowers first season from seed. Rich loam. *Perennial*

	.05	1.00
--	-----	------

COBÆA.

Scandens. A magnificent rapid-growing climber, with beautiful foliage, and large, purple, bell-shaped flowers. Seed should be planted edgewise, and covered lightly. *Half-hardy perennial.* 20 ft.

	.10	1.00
--	-----	------

COCCINEA.

Indica. Splendid climber, with smooth, glossy foliage, and large snow-white flowers, followed with deep-scarlet fruit. *Annual.* 10 ft.

	.10	2.50
--	-----	------

COLEUS.

Ornamental foliage plants, of general use in ribbon-gardening, massing, or any situation where striking effect is wanted. Many new varieties produced from our seed. *Half-hardy perennial.*

Finest Mixed. Saved only from the newest sorts

	.25
--	-----

COLLINSIA.

A genus of free-flowering California annuals of great beauty, well adapted for massing or mixed borders.

Finest Mixed. 1 ft.

	.05.	.50
--	------	-----

—————

 —————

COMMELINA.

Handsone, free-flowering, tuberous-rooted plants, suitable for borders. The roots may be kept through the winter like dahlias. They flower the first season from seed.

	PKT.	OZ.
Cœlestis. Bright blue. 1½ ft. . . . .	.05	\$ 0.75
“ Alba. White. 1½ ft. . . . .	.05	.75

CONVOLVULUS MINOR (*Dwarf Morning-Glory*).

Showy plants, with handsome, rich-colored flowers, producing a brilliant effect in beds or borders. *Annual.*

Kermesinus Violaceus. Crimson violet, very brilliant . . . . .	.05	.50
Mauritanicus. Bright blue; fine for baskets and vases . . . . .	.10	1.00
Finest Mixed. 1 ft. . . . .	.05	.20

COREOPSIS, or CALLIOPSIS.

A genus of showy annuals and perennials. They are of a hardy character, and require only to be sown in rich loam.

Atkinsoni. A fine biennial variety, with yellow and brown flowers . . . . .	.05	.50
Bicolor. Golden yellow, with brown centre. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Cardaminifolia. Dwarf crimson. <i>Annual.</i> 1 ft. . . . .	.05	.50
Coronata. Yellow. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Drummondii. Yellow and red. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Nigra. Dark red. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Annual Sorts. Finest mixed. 1½ ft. . . . .	.05	.40
Perennial Sorts. Finest mixed. 3 ft. . . . .	.05	.60

COSMEA (COSMOS).

Bipinnatis Hybridus Grandiflorus. Handsome plants growing 5 ft. high, and covered in the fall with flowers resembling the single dahlia, though smaller, and range through all shades of rose, purple, and pure white; are excellent for cutting, and bloom first season from seed

.10

COSMIDIUM.

Burridgeanum. Beautiful coreopsis-like annual, with large, showy, crimson and yellow flowers. 2 ft.,

.05

.50

CREPIS (*Hawkweed*).

Remarkably showy and free-flowering annuals; very effective in beds, borders, and rock-work. Grow well in common garden soil.

Mixed. 1 ft.05	.50
-----------------------------	-----	-----

CUPHEA.

Platycentra (*Cigar Plant*). This makes a beautiful border or house plant; grows freely, and produces its scarlet, tipped with black and white, flowers, in great profusion. Rich loam. *Annual*

.10

Strigulosa. Splendid for masses; also an excellent market-plant

.10

CYCLAMEN.

One of our most popular plants for winter and spring blooming. The foliage is beautifully marked, and the flowers are extremely handsome. Sow the seed in a compost of well-rotted manure, leaf-mould, and coarse sand, thoroughly mixed, and they will make flowering bulbs in one year if well grown. They require gentle heat and even temperature.

Persicum. Extra mixed, beautiful varieties . . . . .	.25	8.00
“ Grandiflorum Giganteum. Mixed. Very large and rich-colored flowers . . . . .	.50	
“ “ “ Atrorubrum. Very large dark red . . . . .	.50	
“ “ “ Duke of Connaught. Rich purplish crimson; large, . . . . .	.50	
“ “ “ Picturatum. White ground, suffused with pink; large, . . . . .	.50	
“ “ “ Rosy Morn. Clear, bright, delicate rose; large . . . . .	.50	
“ “ “ White Swan. Very large and pure white . . . . .	.50	

CYNOGLOSSUM.

Pretty border-plants, producing their white and blue flowers in large quantities: fine for cut flowers. They succeed in any good soil, and are not particular as to situation. *Annual.*

Cœlestinum. Fine blue . . . . .	.05	.50
Linifolium. Pure white . . . . .	.05	.50

CYPRESS-VINE. (See Ipomea.)

DAHLIA.

This favorite fall flower, to succeed well, should have a strong, deep, and rich soil. The roots should be stored during winter in a dry, warm cellar, and covered with sand. *Half-hardy perennials.*

Large-flowering Double. Saved from very choicest varieties . . . . .	.10
Liliputian Double. Choice, small-flowering varieties . . . . .	.10
Single Mixed. From finest strain in cultivation; flowers the first season from seed . . . . .	.05

DATURA.

Ornamental plants, with large, sweet-scented, trumpet-shaped flowers. Planted in clumps, they produce an excellent effect. *Annuals.*

Humilis. Double yellow. 3 ft. . . . .	.05	.75
Wrightii. White, changing to lilac. 3 ft. . . . .	.05	.60
Double Mixed. 3 ft. . . . .	.10	.75

DELPHINIUM (Larkspur).

Well-known annual and perennial plants, with curiously cut leaves, and splendid flowers of various colors. Good, rich soil and sunny situation suit them best.

	PKT.	OZ.
Double Branching. Mixed. Annual. 1½ ft. . . . .	.05	\$ 0.30
“ “ Collection of eight separate colors . . . . .	.40	
“ Dwarf Candelabrum. Mixed. Annual. 1 ft. . . . .	.05	1.00
“ Hyacinth-flowered (Dwarf-rocket). Mixed. Annual. 1 ft. . . . .	.05	.30
“ “ Collection of ten separate colors . . . . .	.50	
“ Tall Rocket. Mixed. Annual. 1½ ft. . . . .	.05	.30
“ “ Collection of ten separate colors . . . . .	.50	
Formosum. Dark blue. Perennial. 2 ft. . . . .	.05	1.00
“ Cœlestinum. Light blue. Perennial. 2 ft. . . . .	.05	1.50
Nudicaule. Scarlet. Perennial. 1 ft. . . . .	.10	
Sinense Grandiflorum Flore Pleno. Beautiful double blue; flowers first season . . . . .	.15	
Perennial Hybrids. Choice Double and Single Mixed . . . . .	.10	

DICTAMNUS (Fraxinella).

Hardy, herbaceous perennials. The leaves, when rubbed, emit an odor like lemon-peel. Grow well in any garden soil.

Mixed. Red and white. 2 ft.05	1.00
--	-----	------

DIANTHUS (Pink).

This genus is highly valued for the beauty and fragrance of their flowers, which present a rich variety of colors. The different varieties are hardy. The carnations require a covering of evergreen boughs and leaves through the winter.

Chinese Double. Mixed. 1 ft. . . . .	.05	.50
“ “ Collection of twelve separate colors . . . . .	.60	
Heddeewigi Diadematus fl. pl. (Double Diadem Pink). Extra fine colors mixed . . . . .	.10	3.00
“ Laciniatus fl. pl. (Double Fringed Pink). Finest colors mixed . . . . .	.10	3.00
“ Double. Large flowering, choicest mixture . . . . .	.05	1.50
“ Single. Finest selected single-flowering mixed . . . . .	.05	1.50
“ Albus fl. pl. Fine double white . . . . .	.05	1.50
“ Atropurpureus fl. pl. Large double dark blood-red . . . . .	.05	1.50
Plumarius (Single Pheasant-Eye Pink). Fringed, with dark centres . . . . .	.05	.50
“ fl. pl. (Hardy Garden Pink). Finest double, mixed colors . . . . .	.10	4.00
Caryophyllus (Carnation Pink). Prize stock. From stage-flowers; finest double mixture . . . . .	.50	
“ “ “ Extra Double Mixed . . . . .	.25	
“ “ “ Fine Double Mixed . . . . .	.10	2.50
“ “ “ Dwarf Perpetual. New double race. Extra mixed. . . . .	.50	
“ “ “ Grenadin. Brilliant scarlet . . . . .	.15	
“ “ “ Collection of twenty-five separate varieties	1.50	
“ “ “ “ “ twelve “ “	1.00	
“ “ (Picotee Pink) Prize Stock. From stage flowers. Finest mixture . . . . .	.50	
“ “ “ Choice mixed . . . . .	.25	
Hybridus Semperflorens. fl. pl. Cross between Carnation and Chinese, mixed colors . . . . .	.25	
Barbatus (Sweet William). Double mixed. Extra large-flowered . . . . .	.10	1.50
“ Single Mixed. Finest varieties . . . . .	.05	.50
“ Hunt's Perfection. Finest varieties, with large eyes . . . . .	.05	.75

DIGITALIS (Foxglove).

Well-known hardy biennials of easy culture. They prefer a rich, loamy soil, and partial shade.

Ivery's Spotted. Mixed varieties, finely spotted. 3 ft. . . . .	.05	.75
Monstrosa. Splendid mixed, much improved beautiful class. 3 ft. . . . .	.05	.75

DODECATHEON (American Cowslip, Shooting-Star).

Hardy herbaceous perennials, somewhat resembling the Cyclamen, exceedingly handsome in cultivation, thriving well in shady borders, in light, rich soil.

Meadia. Light purple. 1 ft. . . . .	.10	
Splendens. Bright rosy crimson. Very fine. 1 ft. . . . .	.25	

DOLICHOS (Hyacinth-Bean).

Lablab Mixed. A beautiful, quick-growing climber, with blue and white flowers in clusters. Annual. 10 ft.05	.40
--	-----	-----

ECHEVERIA.

Succulent, ornamental, free-growing plants, suitable for rockeries, edgings, or massing. They require a very porous soil of loam and coarse sand, and the protection of the greenhouse in winter.

Splendid Mixture . . . . .	.50	
Metallica. Splendid . . . . .	.75	
Secunda Glauca. Much used for edging . . . . .	.50	

ECHINOCYSTIS.

Rapid growing climbers with ornamental seed pods and large seed.

Californica (California Cucumber). Hardy, Tuberos perennial . . . . .	.15	
Lobata. Flat, black seed. Annual. . . . .	.10	



ELICHRYSUM (*Eternal Flower*).

Very effective everlasting flowers; extensively used for winter bouquets and decorations. Succeed in any good garden loam. *Annuals*.

	PKT.	OZ.
Bracteatum. Mixed. Single varieties . . . . .	.05	\$ 0.50
Monstrum, fl. pl. Extra double varieties mixed . . . . .	.05	.75
Minimum, fl. pl. Smallest double-flowered varieties, mixed . . . . .	.05	1.00
Collection of ten separate colors. Double . . . . .	.50	
" "six " " " " " " " " "	.35	

ERYSIMUM.

Very showy, free-flowering annuals, blooming in spikes; very handsome and effective in beds or borders.

Arkansanum. Yellow. 1 ft. . . . .	.05	.40
Peroffskianum. Orange. 1 ft. . . . .	.05	.40

ERYTHRINA (*Coral Tree*).

A splendid genus of half-hardy shrubs, with beautiful brilliant scarlet flowers. Succeed best in a warm situation. The roots should be kept in sand, in a warm, dry cellar, through the winter.

Cristi-galli. 4 ft.20
------------------------------------	-----

ESCHSCHOLTZIA.

Annual plants, with bright, showy flowers. Very attractive for bedding, massing, or ribbon-work. Light, rich soil.

Californica. Bright yellow, with orange centre. 1 ft. . . . .	.05	.50
" Alba. White. 1 ft. . . . .	.05	.50
Carminea Grandiflora Rosea. Intense carmine flowers. Very distinct. 1 ft. . . . .	.05	.75
Crocea, flore pleno. Double orange-colored flowers. New. 1 ft. . . . .	.05	.75
" " " Alba. Double white. New. 1 ft. . . . .	.05	.75
Madarin. Flowers rich orange inside, brilliant scarlet outside. 1 ft. . . . .	.05	1.00
Mixed Extra. 1 ft. . . . .	.05	.40

EUCHARIDIUM.

A truly magnificent annual of dwarf spreading habit of growth, and long, narrow foliage. It flowers very profusely, and is of very easy culture.

Breweri. Purplish rose, shading to white in the centre15
---	-----

EUPHORBIA.

Variegata. A showy border plant, with foliage veined and margined with white. Grows well in common garden loam. <i>Annual.</i> 1½ ft.05	.50
--	-----	-----

EXACUM AFFINE.

Compact plants, about six inches high, with clusters of violet-purple cyclamen-scented flowers; if sown in the spring, it will blossom during the summer and through the winter. *Half-hardy annual*

FEVERFEW. (See *Matricaria*.)

FENZLIA.

A beautiful dwarf annual, keeping in flower the whole summer, making it desirable for small beds or edgings. It is also very pretty for window gardens. Light, rich loam.

Dianthiflora Alba. White. ¼ ft. . . . .	.10	5.00
" Rosea. Fine rose. ¼ ft. . . . .	.10	5.00

FERNS.

Choice Varieties Mixed. Graceful, well-known class of plants. Very highly appreciated25
--	-----

FUCHSIA.

Double Mixed. From new sorts . . . . .	.25
Single Mixed. " " " . . . . .	.25

GAILLARDIA.

A genus of beautiful, showy plants, well adapted for garden decoration, giving a profusion of brilliant flowers during the summer and autumn.

Picta Lorenziana. " <i>New Double Gaillardia</i> ." Mixed colors. <i>Annual.</i> 1½ ft. . . . .	.05	1.00
" Mixed. Choice single varieties. <i>Annual.</i> 1½ ft. . . . .	.05	.50
Grandiflora Mixed. Perennial varieties. 1½ ft. . . . .	.05	.50

GAURA.

Lindheimeri. Half-hardy annual of light and graceful habit, with spikes of white flowers tinted with red; very profuse bloomer. 2 ft.05	.50
--	-----	-----

GESNERIA.

Beautiful greenhouse plants; remarkable for the beauty of their foliage, which is singularly marked, and their long spikes of brilliant-colored flowers. Sow in a light compost, and keep in a warm, moist atmosphere.

Choicest Varieties Mixed. <i>Tender perennial.</i> 1 ft.25
---	-----

GERANIUM.

These plants are too well known to require description.

	PKT.	OZ.
Large-Flowered Pelargonium. Show varieties. Extra mixed . . . . .	.50	
Apple-Scented. A favorite variety . . . . .	.25	
Double. Finest mixed . . . . .	.50	
Zonale. Finest mixed . . . . .	.10	
New Golden and Bronze. A prize strain . . . . .	.25	

GEUM.

Coccineum. Hardy, herbaceous perennial, with bright-scarlet flowers; very showy. 2 ft. . . . .	.05	\$ 0.60
" Atrosanguineum fl. pl. A splendid variety, with beautiful double scarlet flowers, . . . . .	.05	1.00

GILIA.

Handsome, low-growing annuals; profuse bloomers; suitable for beds, borders, or rock-work. Grow well in common garden soil.

Achillæfolia Major. Blue. 1 ft. . . . .	.05	.50
Mixed. Choice colors. 1 ft. . . . .	.05	.50

GLADIOLUS.

Well-known variety of bulbs, easily grown from seed. Sow in spring, and cover an inch deep. Cultivate through the summer, and take up the bulbs after frost, many producing fine flower-stalks the second season.

Gandavensis, New French Varieties. This is a splendid mixture of all the new sorts . . . . .	.10
Lemoinei Hybridus. Mixed hardy sorts; fine for bouquets . . . . .	.10

GLAUCIUM.

Corniculatum. A graceful plant, with fine silvery foliage; handsome for bedding purposes. <i>Perennial.</i> 1 ft.10	1.50
--	-----	------

GLOXINIA.

Splendid greenhouse plants, producing their beautiful flowers of the richest and most brilliant colors in great profusion. They grow best in a porous, well-enriched soil, in a warm, moist atmosphere. *Tender perennials.*

Hybrida. <i>Choicest French varieties.</i> Mixed . . . . .	.50
" Grandiflora Crassifolia Erecta. Upright flowers. Finest mixed . . . . .	.50
" " Horizontalis. Drooping flowers. Finest mixed . . . . .	.50
" " Punctata. Spotted flowers. Finest mixed . . . . .	.50
" Gesnerioides. This variety is the result of hybridizing the Gloxinia with the Gesneria, and the peculiar properties of both species are fully united . . . . .	.50

GODETIA.

Exceeding handsome, showy, free-flowering annuals; suitable for beds, borders, and ribbon-work. Succeed best in rather poor soil.

Bijou. Pure white, with bright rose spot at the base of each petal . . . . .	.05	.75
Duchess of Albany. Satiny white; very large size . . . . .	.05	.75
Lady Albemarle. Brilliant dark crimson. 1 ft. . . . .	.05	.75
" Satin Rose. Beautiful deep-rose pink . . . . .	.05	.75
The Bride. White, with rich carmine centre. 1 ft. . . . .	.05	.60
Finest Mixed. 1 ft. . . . .	.05	.50

GOLDEN FEATHER. (See Pyrethrum.)

GOMPHRENA (Globe Amaranthus).

Well-known everlastings, with showy flowers; extensively used in winter decorations. Start the seed in heat, and transplant, as they are slow to germinate outside. *Annuals.*

White, Reddish Purple, Orange and Variegated. Each.05	.40
--	-----	-----

GOURDS.

These are grown for their curiously shaped and variegated fruit. The vine is desirable for covering arbors, walls, etc. *Annuals.*

Apple-Striped. Apple-shaped, striped with green . . . . .	.05	.50
Bottle-Shaped. Very desirable . . . . .	.05	.50
Egg-Shaped. Resembling an egg . . . . .	.05	.50
Hedgehog. Prickly . . . . .	.05	.75
Hercules Club. Club-shaped . . . . .	.05	.50
Orange. Shape and color of an orange . . . . .	.05	.50
Pear-Shaped. Two colored . . . . .	.05	.50
Teasel. The dried flower-heads are used in fulling woollen cloth . . . . .	.05	.75
Sugar Trough. Large and useful . . . . .	.05	.30
Dipper-Shaped . . . . .	.05	.40
Collection of twelve separate varieties . . . . .	.50	

GRAMMANTHES.

Gentianoides. Profuse flowering little annual, with beautiful rich orange-scarlet star-shaped flowers; adapted for rock-work, baskets, etc. 1/4 ft.10
--	-----

GYPHOPHILA.

Graceful, free-flowering plants. Flowers small, but produced in great quantities in loose panicles; elegant for bouquets. Succeed well in common garden soil.

	PKT.	OZ.
Elegans. White. <i>Annual.</i> 1½ ft. . . . .	.05	\$ 0.50
Paniculata. White. <i>Perennial.</i> 2 ft. . . . .	.05	.60

HELIANTHUS (*Sunflower*).

A well-known genus of hardy annuals, with large, brilliant flowers.

Globosus Fistulosus fl. pl. Double, globe-shape; very fine. 7 ft. . . . .	.05	.30
“ Multiflorus. Double, very floriferous. 6 ft. . . . .	.05	1.00
Nanus Folis Variegatus. Dwarf, variegated foliage; handsome. 4 ft. . . . .	.10	1.00
Oculatis Viridis fl. pl. Double, with green centre. 7 ft. . . . .	.05	.30
Oscar Wilde. Single, with small flowers; very handsome. 8 ft. . . . .	.05	.50
Sutton's Miniature. Small, single golden-yellow flowers in great abundance. 3 ft. . . . .	.05	1.00
Uniflorus Giganteus. Very large, single flowers. 8 ft. . . . .	.05	.30

HELIOTROPE.

This is a general favorite for its delicious fragrance. Grows freely in the open border, and is a mass of bloom until killed by frost; elegant for cut flowers in winter. They require a rich, light soil. *Half-hardy perennial.*

Dark Varieties. Finest mixed. 1½ ft. . . . .	.10	2.00
Louise Delaux. Rose-tinted flowers. 1½ ft. . . . .	.10	2.50
Madame de Blonay. White; very fine. 1½ ft. . . . .	.10	3.00

HELIPTERUM (*Everlasting*).

Tender annuals; fine for winter bouquets and floral designs. Succeed best in a light, dry soil, made tolerably rich.

Corymbiflorum. White. 1 ft. . . . .	.05	1.00
Sanfordi. Yellow. 1 ft. . . . .	.05	1.00

HIBISCUS.

A showy, ornamental class of plants, with large, varied, and beautiful-colored flowers, growing freely in common garden loam.

Africanus. Buff, with maroon centre. <i>Annual.</i> 2 ft. . . . .	.05	.50
Palustris Roseus. Rose. <i>Perennial.</i> 3 ft. . . . .	.05	.50

HOLLYHOCK.

This is one of our handsomest ornamental biennials, giving spikes of flowers, about five feet high, of almost every color. Seed sown in July will flower the following season. They require a dry, deep soil, enriched with plenty of manure.

Double Chater's Prize. Finest mixed . . . . .	.25	
“ “ “ Collection of twelve separate colors	1.00	
“ “ “ “ “ six “ “ “ . . . . .	.60	
“ German. Finest mixed . . . . .	.10	1.50
“ “ “ Collection of twelve separate colors . . . . .	.75	

HONESTY* (*Satin Flower*).

Purple. Early summer free-flowering plant, with silvery seed-pods; much admired and used in winter decorations. Succeeds well in common garden soil. <i>Hardy biennial.</i> 2 ft.05	.60
--	-----	-----

HUMEA.

A remarkably handsome plant; valuable for decorative purposes. Its graceful appearance renders it most effective. It has a peculiar but delightful odor. *Half-hardy biennial.*

Elegans. Red. 3 ft. . . . .	.10	3.00
“ Alba. White. 3 ft. . . . .	.10	3.00

IBERIS (*Candytuft*).

A beautiful and most useful plant for growing in beds or masses; used extensively by florists for cut flowers. Light, rich soil. *Annuals.*

Mixed. Choice colors. 1 ft. . . . .	.05	.30
Coronaria (<i>White Rocket</i>). Large white heads. 1 ft. . . . .	.05	.30
“ Improved. Fine strain for florists . . . . .	.10	.50
Carter's New Carmine. Beautiful vivid carmine. 1 ft. . . . .	.05	.75
Dunnettii. Rich dark crimson. 1 ft. . . . .	.05	.30
Odorata. White; sweet-scented. 1 ft. . . . .	.05	.30
Lilacina. Purple. 1 ft. . . . .	.05	.30
Sempervirens. White. <i>Perennial.</i> 1 ft. . . . .	.05	1.00
Pruiti. The finest of all perennial Candytufts, with pure white flowers, and of dwarf growth . . . . .	.10	
Jucunda. Fine perennial variety, with rosy-crimson flowers . . . . .	.10	

ICE-PLANT.

A pretty little trailing-plant. The leaves and stalk being covered with small-watery globules gives it the appearance of being covered with ice. <i>Annual</i>05	.50
--	-----	-----

IMPATIENS.

Sultani. This plant has done finely out-of-doors, and is a valuable addition to the flower-garden; it grows freely, and flowers profusely and continuously; resembles the Balsam in habit of growth; the flowers are single, an inch in diameter, and of the richest carmine-magenta color. <i>Tender perennial,</i> .15		
---	--	--



IPOMEA.

Extensive genus of twining-plants; remarkable for their fine foliage and showy flowers. Well adapted for open-air or greenhouse culture. *Annuals.*

	PKT.	OZ.
Purpurea (<i>Morning-Glory</i>). <i>Mixed colors</i> . . . . .	.05	\$0.20
“ “ “ <i>Collection of twelve separate colors</i> . . . . .	.50	
Noctiflora Hybrida (<i>Moon Flower</i>). Large, fragrant, white flowers . . . . .	.10	.75
Coccinea (<i>Star Ipomea</i>). Scarlet star-shaped flowers . . . . .	.05	.30
Grandiflora fol. Marmoratis . <i>Mixed</i> . Very large flowers, and striped foliage . . . . .	.05	.50
Leari . Magnificent large flowers, mazraine blue, shading to red . . . . .	.10	
Quamoclit (<i>Cypress Vine</i>). <i>Scarlet</i> . . . . .	.05	.50
“ “ “ <i>White</i> . . . . .	.05	.50
“ “ “ <i>Mixed</i> . . . . .	.05	.50

IPOMOPSIS.

Exceedingly handsome, free-flowering biennial, with long spikes of dazzling orange and scarlet flowers. Seed started under glass will commence blooming in August. Light, rich soil.

Finest Mixed . 4 ft.05	1.00
-------------------------------------	-----	------

JACOBEA. (See **Senecio**.)

KAULFUSSIA.

Beautiful little hardy annuals, somewhat resembling an aster, of compact growth, and very effective in beds or borders. Common garden soil.

Amelloides . <i>Mixed</i> . Colors are white, rose, purple, and crimson05	.75
--	-----	-----

KENNEDYA.

A genus of free-flowering, evergreen, greenhouse climbers, with beautiful pea-shaped flowers of various colors. The seed should be soaked in warm water before planting.

Finest Mixed . 6 ft.15	
-------------------------------------	-----	--

LANTANA.

Ornamental free-flowering plants, with brilliant flowers constantly changing in hue; fine for garden or pot culture. They delight in a rich loam and sunny situation. *Tender perennials.*

Hybrida . Finest mixed10	1.00
---	-----	------

LATHYRUS ODORATUS (*Sweet Pea*).

Beautiful free-flowering, climbing annuals. Their fine fragrance and large variety of colors make them indispensable for every garden. Sow in April or May, in trenches from eight to ten inches deep; cover about an inch; and, as they grow, draw the earth around them (not covering the shoots) until the trench is full. Rich loam, sunny situation, and plenty of moisture.

Extra Mixture . These are mixed by us from all the finest separate colors, the poorer colors usually found in the imported mixture being left out. Per lb., \$1.00; ¼ lb., 25 cents . . . . .	.05	.10
Fine Mixture . As imported. Per lb., 75 cents		
Adonis . Charming rosy-pink . . . . .	.05	.15
Blue-Edged . White and pink, edged with blue . . . . .	.05	.10
Butterfly . White, tinted lilac . . . . .	.05	.10
Crown Princess of Prussia . Delicate blush . . . . .	.05	.10
Painted Lady . Pink and white . . . . .	.05	.10
Purple . . . . .	.05	.10
Purple-Striped . . . . .	.05	.10
Scarlet-Striped . . . . .	.05	.10
Scarlet Invincible . Intense scarlet . . . . .	.05	.10
White . . . . .	.05	.10
Collection of ten separate colors . . . . .	.40	
Latifolius (<i>Perennial Pea</i>). <i>Mixed colors</i> . . . . .	.05	
“ “ “ Albus . White . . . . .	.10	
“ “ “ Splendens . Dark red, fine . . . . .	.10	

LARKSPUR. (See **Delphinium**.)

LAVATERA.

Showy annuals, with large flowers; fine for background to other plants. Common garden soil.

Trimestris . Red and white mixed. 3 ft. . . . .	.05	.40
Arborea Variegata . New and distinct species, with large leaves beautifully variegated . . . . .	.10	

LAVENDULA (*Lavender*).

Spica. Chiefly cultivated for the delicious fragrance of its flowers. Succeeds in common garden loam. *Hardy perennial*

.05	.25
-----	-----

LAYIA.

Elegans. A native of California, forming tufts about one foot high. The flowers are golden-yellow, bordered white, with orange centre, and measure nearly two inches in diameter. *Annual*

.10

LEPTOSIPHON.

Beautiful in flower and foilage, very attractive in beds or ribbon-work, and of easiest culture. Common garden loam. *Annual*.

Finest Mixed French Hybrids . ½ ft.05	1.00
--	-----	------

LIBONIA.

Floribunda. Small shrubby plants from Brazil, with tubular yellow-tipped scarlet flowers of drooping habit and very abundant; very ornamental for the sitting-room or greenhouse; flowering from November till spring	PKT.	OZ.
	.25	

LINARIA.

Cymbalaria. This is perhaps better known under the names of Coliseum and Kenilworth Ivy. It is a very handsome trailing-plant, suitable for baskets10	\$2.50
--	-----	--------

LINUM.

One of the most effective and showy bedding-plants, with fine foliage, delicate stems, and flowers of long duration. Succeed best in a good loamy soil.

Grandiflorum Rubrum (<i>Scarlet Flax</i>). <i>Annual</i> . 1½ ft. . . . .	.05	.50
Perenne. Finest mixed perennial sorts. 1½ ft. . . . .	.05	.75

LOBELIA.

Exceedingly pretty, profuse-blooming plants, of easy culture, valuable for beds, borders, edgings, ribbon-work, baskets, etc. *Tender perennials*, flowering first season from seed.

Erinus Crystal Palace Compacta. Azure blue, very compact . . . . .	.10	3.00
“ Blue King (<i>Emperor William</i>). Dark blue, compact . . . . .	.10	3.00
“ Gracilis. Blue. Best for hanging-baskets . . . . .	.10	1.50
“ Kermesina. Crimson . . . . .	.10	1.50
“ Pumila Magnifica. A fine bedding variety, very compact, with deep blue flowers . . . . .	.10	2.00
“ Paxtonia. Blue and white . . . . .	.10	1.50
“ Prima Donna. Velvety maroon, distinct . . . . .	.10	
“ Rosea. Fine rose . . . . .	.10	1.50
“ Speciosa. Dark blue . . . . .	.10	1.50
“ Star of Ischl. Deep azure-blue; we recommend it particularly for bedding . . . . .	.10	2.00
“ White Gem. Dwarf, compact; white . . . . .	.10	3.00
Cardinalis. Scarlet. <i>Perennial</i> . 3 ft. . . . .	.10	
Collection of ten separate colors . . . . .	.75	

LOPHOSPERMUM.

Ornamental climbing-plants with large and handsome flowers; very effective for conservatory or garden decoration. They require a rich soil. *Half-hardy annuals*.

Hendersonii. Rosy carmine. 10 ft. . . . .	.10	3.00
Scandens. Purple. 10 ft. . . . .	.10	3.00

LOTUS.

Jacobæus. Ornamental, half-hardy annual, with pea-shaped flowers almost black. 1 ft. . . . .	.05	.75
Luteus. Same as preceding, with yellow flowers. 1 ft. . . . .	.05	.75

LUPINS.

Desirable plants in every garden, with long, graceful spikes of various-colored flowers. Common soil.

Extra Mixed. Annual varieties. 2 to 4 ft. . . . .	.05	.30
“ “ Perennial varieties. 4 ft. . . . .	.05	.40
Collection of twelve separate colors . . . . .	.50	

LYCHNIS.

Very handsome and useful perennials, of easy culture, strikingly effective in mixed borders. Good rich loam.

Chalcedonica. Scarlet. 2 ft. . . . .	.05	.60
“ Alba. White. 2 ft. . . . .	.05	.60
Fulgens. Bright Scarlet. 1½ ft. . . . .	.05	1.50
Senno Striata. Striped white and crimson. 2 ft. . . . .	.10	
Haageana Hybrida. Finest mixed. 2 ft. . . . .	.05	1.50

LYTHRUM.

Showy plants, with long spikes of beautiful flowers. Suitable for beds or borders. Rich soil.

Flexuosum. Carmine. <i>Annual</i> . 1 ft. . . . .	.10	2.00
Roseum Superbum. Rose. <i>Perennial</i> . 2 ft. . . . .	.05	1.00

MALOPE.

Grandiflora Mixed. Large and showy scarlet and white flowers, growing 4 or 5 ft. high in good soil. <i>Annual</i>05	.40
--	-----	-----

MANDEVILLEA.

Suaveolens. Desirable climber for house or conservatories; rapid grower, producing clusters of very sweet-scented white flowers during the summer. They require rest during the winter. Light, loamy soil05	1.00
--	-----	------

MALVA.

Showy, free-flowering plants, succeeding in any good garden loam. *Annual*.

Crispa. Ornamental foliage with curled edges; very fine. 5 ft. . . . .	.05	.50
Miniata. Scarlet. 1½ ft. . . . .	.05	.75

MARIGOLD. (See *Tagetes*.)

MATRICARIA (*Feverfew*).

Low-growing plants, suitable for beds and edgings, extensively grown by florists for their flowers. Succeed best in a light, rich soil. *Half-hardy perennial*.

	PKT.	OZ.
Grandiflora fl. pl. Double pure white . . . . .	.10	\$ 1.00
Nana fl. pl. Dwarf double white; very fine . . . . .	.10	1.00
Eximia Pyramidalis. Pyramidal form, about six inches high; flowers very double, and pure white . . . . .	.10	

MAURANDYA.

These handsome climbers are particularly adapted for house and conservatories, or training on trellises in the garden. Very profuse bloomers, and flower first season from seed. They require a fine, rich loam. *Half-hardy perennial*.

Purple. 10 ft. . . . .	.10	4.00
Scarlet. 10 ft. . . . .	.10	4.00
White. 10 ft. . . . .	.10	
Finest Mixed. 10 ft. . . . .	.10	4.00

MESEMBRYANTHEMUM.

Dwarf-growing plants of great beauty, well-suited for edgings and rock-work, producing their star-like flowers the whole summer. Grow best in a sandy soil. *Annual*.

Cordifolium Variegatum. Remarkable for the distinct white and green variegation of its leaves . . . . .	.15	
Tricolor. Rose, with purple centre . . . . .	.05	.75
“ White. . . . . .	.05	.75
Finest Mixed. . . . . .	.05	.75

MIGNONETTE. (See *Reseda*.)

MIMOSA (*Sensitive Plant*).

A very interesting and curious plant, its leaves closing if touched or shaken. Good garden loam. *Annual*.

Pudica. Pinkish white. 1½ ft.05	.60
--	-----	-----

MIMULUS (*Monkey-Flower*).

Showy, profuse-flowering plants. They succeed best in rather shady, moist situations. *Half-hardy perennials*, but treated as *annuals*.

Moschatus (<i>Musk-Plant</i>). Yellow. 1½ ft. . . . .	.10	5.00
Tigrinus. Extra mixed; tigred and spotted . . . . .	.10	2.50
“ Duplex. Double extra mixed; tigred and spotted . . . . .	.10	
Queen's Prize. A most magnificent strain, with large and brilliant-colored flowers . . . . .	.15	

MIRABILIS (*Four-o'Clock*).

A well-known garden favorite, with beautiful foliage and flowers; bloom first season from seed; and the roots may be kept through winter like dahlias, blooming much earlier the following season. Rich loam.

Jalapa, fol. Variegatis. Gold-striped foliage, mixed colors. 2 ft. . . . .	.05	.30
“ Longiflora. Sweet-scented white. 2 ft. . . . .	.05	.30
“ Tom Thumb White. Snow-white flowers and variegated foliage. 10 inches high . . . . .	.05	1.00
“ Choice Mixed. 2 ft. . . . .	.05	.30
“ Collection of eight separate colors . . . . .	.30	

MOMORDICA.

Curious trailing-plants with ornamental foliage. The fruit is bright orange, and, when ripe, bursts open, exposing its bright red seeds and carmine interior. Very effective on rock-work, stumps, etc. *Annual*.

Balsamina (<i>Balsam-Apple</i>). 10 ft. . . . .	.05	.50
Charantia (<i>Balsam-Pear</i>). 10 ft. . . . .	.05	.50

MORNING-GLORY. (See *Ipomea*.)

MUSA.

Ensete (*Abyssinian Banana*). A splendid large-leaved Palm for open air in summer, producing a striking effect. Seedlings obtain a very large size the first season if frequently repotted

MYOSOTIS (*Forget-me-not*).

Neat and beautiful little plants, with star-like flowers, too well-known to need much description. Succeed best in moist situations. *Half-hardy perennials*.

Alpestris Compacta Aurea. Dwarf golden-leaved variety, with bright blue flowers . . . . .	.15	
“ Robusta Grandiflora. New, large-flowering, of pyramidal habit, very fine, blue . . . . .	.10	3.00
Azorica. Dark blue, handsome . . . . .	.10	
“ Alba. Fine white . . . . .	.10	
Dissitiflora. Dark blue, very early, and quite distinct . . . . .	.10	8.00
“ Alba. Pure white flowers of a large size . . . . .	.10	5.00
Palustris (<i>True Forget-me-not</i>). Beautiful blue . . . . .	.10	3.00
“ Semperflorens. Dwarf blue. Flowers all summer . . . . .	.10	4.00
Fine Mixed . . . . .	.19	3.00

MYRSIPHYLLUM (*Smilax*).

Asparagoides. No climbing-plant in cultivation surpasses this for the graceful beauty of its foliage, and orange fragrance of its flowers. Succeeds best in a rich soil. *Tender perennial*. 10 ft.

—————

 NASTURTIUM. (See Tropæolum.)

NEMOPHILA.

Neat, compact, uniform habit of growth, with varied and beautiful colors, blooming all summer; suitable for beds, borders, and pot culture. Grow best in a moist, partially shaded situation, and not very rich soil. *Annual.*

Finest Mixed. $\frac{3}{4}$ ft. . . . .	.05	\$ 0.30
Atomaria Atro Cœrulea. Large deep ultramarine blue flowers, with pure white centres . . . . .	.05	.75

NICOTIANA.

Ornamental plants; very effective both in foliage and flower; grow well in a rather rich loam. *Annual.*

Affinis. Fine variety, producing freely large white flowers, with a delicious fragrance. 2 to 3 ft. . . . .	.05	1.50
Atropurpurea Grandiflora. Purple crimson. 4 ft. . . . .	.05	.50
Suaevolens. White and very fragrant flowers; 1 to 2 feet high . . . . .	.10	

NIEREMBERGIA.

Handsome little plants, blooming profusely the whole summer; fine for edgings, hanging-baskets, etc. Good garden loam. *Annual.*

Frutescens. Large-flowered, white and blue . . . . .	.10	1.50
Gracilis. White and lilac . . . . .	.10	1.50

NIGELLA (*Love in a Mist*).

Finest Mixed. Curious and interesting free-flowering plants, of easiest culture. Common garden loam. <i>Annual.</i> 1 ft.05	.30
--	-----	-----

NOLANA.

Trailing annual plants, with pretty flowers, resembling the Dwarf Convolvulus, but softer in color, while some are beautifully marked; fine for baskets, rock-work, etc. Common garden loam.

Finest Mixed. 1 ft.05	.40
------------------------------------	-----	-----

NYCTERINIA.

Sweet-scented plants, with large heads of star-shaped flowers; valuable for beds, edgings, etc. They blossom through the whole season. Light, rich soil. *Annual.*

Capensis. White, with yellow centre. $\frac{1}{2}$ ft. . . . .	.05	1.50
Selaginoides. Pink, with yellow centre. $\frac{1}{2}$ ft. . . . .	.05	1.00

CENOTHERA (*Evening Primrose*).

A beautiful, free-flowering class of plants, very useful for beds and borders, flowering in long spikes. Common garden loam. *Annuals.*

Rosea. Extra fine, with rose-colored flowers. $\frac{1}{2}$ ft. . . . .	.05	1.00
Taraxicifolia Aurea. Large golden yellow; very fine . . . . .	.05	1.00
Finest Mixed. . . . . .	.05	1.00

OROBUS.

Fine Mixed. Beautiful hardy perennials, with pea-shaped flowers; of easy culture05	.75
---	-----	-----

OXALIS.

Very attractive plants, with richly colored flowers; suitable for rock-work, baskets, etc., outside, or for house and conservatory culture. *Half-hardy perennial.* Succeed in light, rich loam.

Finest Mixed. $\frac{1}{2}$ ft. . . . .	.10	
Tropeoloides (<i>Corniculata Purpurea</i>). Dwarf, dark purplish brown foliage; yellow flowers . . . . .	.10	2.00

OXYURA.

Chrysanthemoides. Showy plant, with beautifully fringed, golden-yellow flowers, edged with white; very free-flowering. Common garden soil. <i>Annual</i>05	.50
---	-----	-----

PANSY (*Heart's-ease, Viola Tricolor*).

This popular favorite is too well known to need any description. Seed sown in February and March give better results during the summer than those sown in the fall, and wintered over. Sow in light soil, and, when large enough, transplant into pots or boxes; and at the proper time plant out in the garden in a rich, moist loam, protecting them from winds and midday sun. Never allow them to get dry during hot weather. *Perennial.*

Fine Mixed. Very fine sorts . . . . .	.05	1.50
Finest Quality Mixed. Large flowering; splendid strain . . . . .	.10	2.50
Belgian Blotched. Our own splendid mixture of the finest colors to be obtained, large flowers . . . . .	.15	4.00
Ne Plus Ultra. A choice mixture of finest varieties, large size and fine colors . . . . .	.25	6.00
Black, Bronze, Brown Red, Golden Yellow, Mahogany, Light and Dark Blue. Each . . . . .	.10	2.00
Candidissima (<i>Snow Queen</i>). Delicate, pure, satin white . . . . .	.10	2.00
Emperor William. Brilliant blue, with purple eye . . . . .	.10	2.00
Lord Beaconsfield. Purple violet, shading off on top petals to a lighter hue . . . . .	.10	2.00
Giant Improved Trimardeau. Extremely large flowers, with fine colors . . . . .	.25	8.00
“ Bugnot's. Largest size, and finest colors of any strain grown . . . . .	.50	
“ Cassier's Odier. Distinct and beautiful, large size and fine colors . . . . .	.50	8.00
“ French Stained. Very large stained sorts, choice . . . . .	.50	
“ Striped. Very large race, entirely distinct . . . . .	.50	
“ Yellow. Very large golden yellow with dark eye . . . . .	.25	8.00
“ White. Large, pure white, with three distinct dark violet spots . . . . .	.50	
Collection of Eighteen Varieties	1.25	
“ “ Twelve “ . . . . .	.80	
“ “ Six “ . . . . .	.50	

PAPAVER (Poppy).

Very showy, free-flowering plants, with large and brilliant flowers. Succeed well in any good garden-soil.

	PKT.	OZ.
Pæony-Flowered. Double, finest mixed; large flowered. <i>Annual.</i> 2 ft. . . . .	.05	\$ 0.30
Ranunculus-Flowered (African Rose). Double mixed. <i>Annual.</i> 2 ft. . . . .	.05	.30
Croceum Flore Pleno. Double yellow, with curiously undulated and crisped petals. <i>Perennial</i> . . . . .	.15	
“ “ Alba. Double white variety of above. <i>Both flower first season</i> . . . . .	.15	
Danebrog. Brilliant scarlet, large white blotch on each petal. <i>Annual.</i> 2 ft. . . . .	.05	.50
Mephisto. Scarlet, with large black spots. <i>New. Annual</i> . . . . .	.05	
Nudicaule. Yellow. <i>Perennial.</i> Flowers first season. 2 ft. . . . .	.05	1.00
“ Album. Pretty white variety of above; free-flowering . . . . .	.15	
“ Miniatum. Intense orange-scarlet color . . . . .	.15	
Orientele. Scarlet; large black blotch on each petal. <i>Perennial.</i> 3 ft. . . . .	.05	1.00
Umbrosum. Rich vermilion, with shining black spot on each petal. <i>Annual.</i> 1½ ft. . . . .	.05	.75
Victoria Cross. Rich vermilion-crimson; white blotch at base of petals. <i>Annual</i> . . . . .	.10	
Single Mixed. Annual varieties. 2 ft. . . . .	.05	1.00
Collection of ten separate colors. Double. <i>Annual</i> . . . . .	.40	

PASSIFLORA (Passion Flower).

Handsome, fast-growing, free-flowering, ornamental twiners, with beautiful and interesting flowers; suitable for conservatories. *Tender perennial.*

Cœrulea. Sky-blue; will bloom in the open ground in summer. 20 ft. . . . .	.10
Coccinea. Vivid scarlet flowers. 15 ft. . . . .	.10

PENTSTEMON.

Beautiful and attractive, hardy, herbaceous plants, with long, graceful spikes of richly colored flowers. Succeed in a light loam, and should have a dry situation, as they suffer more from wet than cold during the winter.

Hybridus Extra Mixed. 2 ft. . . . .	.10	5.00
Cobœa. Splendid species of this handsome perennial, with large white flowers shaded with blue . . . . .	.10	
Wrightii. Brilliant scarlet; one of the finest, and very showy. <i>Biennial</i> . . . . .	.10	

PERILLA.

Ornamental foliage plant, growing well in common loam. *Annual.*

Nankinensis Atropurpurea Laciniata. Deep mulberry foliage; edges of leaves finely cut . . . . .	.05	.50
“ Macrophylla Compacta. Dark finely cut foliage; dwarf habit . . . . .	.05	.60

PETUNIA.

For out-door decoration or house culture, few plants equal this. They flower early, and continue a mass of bloom the whole season. Succeed well in common loam in a sunny situation.

Striped and Blotched Large-Flowered. Extra mixed. Superior strain . . . . .	.25	
Finest Mixed. Splendid and very showy strain . . . . .	.10	3.00
Mixed. Very good quality . . . . .	.05	1.00
Grandiflora Alba. Beautiful large pure white flowers . . . . .	.10	
“ Fimbriata. Single, fringed varieties. Extra mixed . . . . .	.25	
“ Superbissima. Large and distinct, with tигred throats . . . . .	.25	
Inimitable. Striped and blotched; small-flowered . . . . .	.05	2.00
“ Nana Compacta Multiflora. New dwarf, 6 inches high, striped flowers . . . . .	.10	6.00
Kermesina. Crimson . . . . .	.05	1.50
Nyctaginiflora. White . . . . .	.05	1.00
Double Fringed. Large double finely fringed flowers . . . . .	.50	
“ Lilliput. Dwarf compact, with small double flowers . . . . .	.50	
“ Striped and Blotched. Large double variegated flowers . . . . .	.50	
Collection of twelve separate varieties, single	1.00	
“ “ “ “ double	1.25	
“ “ six “ “ . . . . .	.75	

PHACELIA.

Very fine annual from California, blooms in about eight weeks from time of sowing, showy and free-flowering; common loam.

Campanularia. Beautiful rich deep-blue, 6 inches high10
--	-----

PHASEOLUS.


Caracalla. A beautiful climber; may be grown outside in summer, and in the greenhouse in winter. Valued by florists for their delicious fragrance and resemblance to orchids; bluish-white flowers. Light, rather rich loam

	.10	1.50
--	-----	------

PHLOX DRUMMONDII.

These plants are unrivalled for profusion and duration of bloom, and richness of color; one of our finest annuals for beds, borders, etc. Light, rich loam.

Extra Mixed. Choice colors . . . . .	.05	.75
Grandiflora Mixed. Extra large-flowered varieties . . . . .	.10	1.25
“ Alba. Large pure white . . . . .	.05	1.50
“ Atropurpurea Striata. Large deep purple, striped . . . . .	.05	2.00
“ Coccinea. Splendid large scarlet . . . . .	.05	2.00
“ Stellata Splendens. Vivid crimson with white star in the centre . . . . .	.05	2.00
“ Collection of twelve separate colors . . . . .	.75	
“ “ of six separate colors . . . . .	.50	
Double White. Charming double pure white flowers . . . . .	.10	4.00
Nana Snowball. Dwarf white; large flowers . . . . .	.10	
“ Fireball. Dwarf scarlet; very brilliant . . . . .	.10	
“ Extra Mixed. Finest dwarf varieties . . . . .	.10	
Decussata. Newest perennial sorts. Mixed . . . . .	.10	2.00

——————

 POLEMONIUM (*Jacob's Ladder*).

Fine, hardy, herbaceous perennials, with large heads of flowers; excellent border plants. Succeed best in a moist, rich soil.

	PKT.	OZ.
Choice Mixed. Blue and white. 1 ft. . . . .	.05	\$0.50
Flavum. New species of this popular perennial, with nankeen-yellow flowers . . . . .	.10	

POLYANTHUS. (See *Primula*.)

PORTULACA.

Too much cannot be said in praise of these popular and beautiful annuals, which are covered with flowers of every color throughout the season. Succeed best in an exposed, sunny situation.

Double Extra Mixed . . . . .	.10	
“ Collection of six separate colors . . . . .	.50	
Single Extra Mixed . . . . .	.05	.75
“ Collection of eight separate colors . . . . .	.40	

POTENTILLA.

Handsome and ornamental, hardy, herbaceous plants, lasting a long time in bloom. They grow without trouble in any good garden loam.

Double Finest Mixed. Choice varieties. 1½ ft. . . . .	.10	
Single “ “ Very fine . . . . .	.05	1.00

PRIMULA (*Primrose*).

These plants cannot be excelled for pot-culture in the sitting-room or greenhouse. Seed sown early germinates more freely than those sown during hot weather. Sow in a fine, rich loam, press lightly, and just cover the seed with fine leaf-mould. *Tender perennials.*

Sinensis Extra Mixed. Finest large-flowered fringed varieties . . . . .	.50	
“ Fine Mixed. Fine fringed sorts . . . . .	.25	
“ Double Extra Mixed . . . . .	.75	
“ Alba Magnifica. Large, pure-white flowers, with citron eye; very compact . . . . .	.50	
“ Alba Oculata Lutea. Large, fringed, white, bright yellow centre . . . . .	.50	
“ Chiswick Red. Brilliant scarlet carmine, large fringed flowers . . . . .	.50	
“ Elegantissima. Crimson, shaded with purple, centre deep gold color . . . . .	.50	
“ Magenta Queen. Very large flowers, bright magenta color, with lemon color eye . . . . .	.50	
“ Mont Blanc. Snowy white flowers of great size and substance . . . . .	.50	
“ Splendida. Deep crimson, beautifully fringed and of great size . . . . .	.50	
“ Vesuvius. Large fine crimson . . . . .	.50	
“ Collection of twelve separate colors	1.50	
Auricula. Choicest mixed, from named show flowers . . . . .	.25	
Japonica (<i>Japan Primrose</i>). Finest mixed . . . . .	.10	5.00
New Hybrids. Resembling the Auricula and Polyanthus . . . . .	.25	
Veris (<i>Polyanthus</i>). Extra quality, mixed. <i>Hardy perennial</i> . . . . .	.10	2.00
“ “ <i>Gold Laced.</i> Fine strain with golden yellow edges . . . . .	.10	5.00

PYRETHRUM.

This genus includes handsome, free-flowering, hardy plants, and ornamental-foliaged varieties; very useful for edgings. Succeed well in good garden loam.

Aureum (<i>Golden Feather</i>). Golden foliage. 1 ft. . . . .	.10	1.50
“ Golden Gem. Improvement on the preceding in color of foliage. 1 ft. . . . .	.10	1.50
“ Selaginoides. Finely cut and bright golden foliage, of dwarf, compact habit. 8 inches . . . . .	.10	
Hybridum. Double-flowering. Finest mixed. 2 ft. <i>Hardy perennial</i> . . . . .	.25	
“ Single-flowering. Finest mixed. . . . .	.05	1.50

RANUNCULUS.

Asiaticus Superbissimus. This variety is of very vigorous growth, producing very double flowers of endless variety of colors, flowering the first season from seed, and continuing throughout the summer. .10

RAMONDIA.

Pyrenacia. Described by Parkinson as the “*Blew Beares Eares with Borage Leaves*,” a pretty perennial only 3 or 4 inches high, resembling the primrose in habit of growth; is quite hardy, and splendid for borders; the flowers are lilac color, and continue from May through the whole summer. .15

RESEDA (*Mignonette*).

A well-known favorite for pot or garden culture, with very fragrant spikes of flowers. If well thinned out, they produce stronger plants, and larger spikes of flowers. Grown in light, sandy soil, its fragrance is much stronger than when grown in a rich soil. *Annual.*

Grandiflora. Large-flowered, sweet Per lb. 1.50 . . . . .	.05	.15
Giant Pyramidal. Large, bright red, fragrant . . . . .	.10	.40
Golden Queen. Flowers of a golden hue; fragrant . . . . .	.10	.75
Diamond. White flowering; fragrant . . . . .	.10	1.00
Machet. Massive spikes of very fragrant red flowers; highly recommended for pot culture . . . . .	.10	1.50
Miles's Spiral. Splendid long spikes, profuse bloomers; sweet . . . . .	.10	.60
Monstrosa. Largest perfection, and very sweet scented . . . . .	.10	.50
Parson's White. Very large and distinct; fragrant . . . . .	.10	.50
Victoria. Dark red; fragrant . . . . .	.10	.66

RHODANTHE.

Belongs to the family of everlastings, and resembles the *Acroclinium*. Very beautiful for winter bouquets. *Annual.*

Maculata. Rosy purple, with crimson centre. 1 ft. . . . .	.05	1.50
“ Alba. White. 1 ft. . . . .	.05	1.50
“ Flore Pleno. New double, with bright rosy carmine flowers . . . . .	.25	



RICINUS (*Castor-Oil Bean*).

Tall-growing and highly ornamental plants, with beautiful foliage and brilliant-colored fruit. If planted singly on lawns, they produce a fine effect. *Annual*.

	PKT.	OZ.
Borboniensis Arborea. Large, dark-green foliage. 15 ft. . . . .	.05	\$ 0.30
Cœrulescens. Bluish-green foliage and fruit. 10 ft. . . . .	.05	.30
Duchess of Edinburgh. Dark-purple stems and foliage. 10 ft. . . . .	.05	.30
Guyanensis Nanus. Dwarf, with rose-colored fruits. 4 ft. . . . .	.05	.30
Philippine Species. Large, dark foliage. 10 ft. . . . .	.05	.30
Sanguineus. Blood-red foliage and fruit. 7 ft. . . . .	.05	.30
Collection of eight separate varieties . . . . .	.50	

RIVINA (*Rouge Plant*).

Humilis. Greenhouse evergreen shrub, with beautiful little bright scarlet berries. Very handsome for pot-culture. Use a mixture of leaf-mould and sand for potting

.10

ROCKET (*Hesperis*).

Fragrant, free-flowering, hardy perennials, blooming in the spring. As soon as through flowering, they should be transplanted into a fine, rich soil, where they will give much larger flowers the following season.

Matronalis. Purple. 1½ ft. . . . .	.05	.40
“ Alba. White. 1½ ft. . . . .	.05	.40

SALVIA.

Ornamental bedding-plants, growing best in a light, rich soil, and producing fine spikes of brilliant-colored flowers. *Half-hardy perennial*.

Argentea. Silvery foliage and white flowers. 3 ft. . . . .	.05	.75
Coccinea Hybrida. Intense scarlet. <i>Annual</i> . 2 ft. . . . .	.05	1.50
Farinacea. Resembling <i>Salvia splendens</i> in growth, with bright light-blue flowers. <i>Annual</i> . 3 ft. . . . .	.10	3.00
Patens. Deep blue. 2 ft. . . . .	.20	
Splendens. Bright scarlet; most popular variety. 3 ft. . . . .	.10	3.00
“ Compacta. Blooms earlier, and is more compact than the preceding. 2 ft. . . . .	.15	

SALPIGLOSSIS.

Beautiful flowering plants, with richly pencilled and veined blossoms, suitable for greenhouse or garden. Light, rich soil. *Annual*.

Virabilis Grandiflora. Largest flowering. Mixed. Blossoms all summer . . . . .	.10	2.00
“ “ <i>Collection of six separate colors</i> . . . . .	.50	

SANVITALIA.

Procumbens, fl. pl. A dwarf, free-growing annual of trailing habit, with double, bright golden-yellow flowers. Common garden loam. ½ ft.

.10 1.00

SAPONARIA (*Bouncing Bet*).

A beautiful class of compact-growing plants, flowering all the season; suitable for beds, borders, or ribbon-work. They are not particular as to soil or situation. *Annual*.

Fine Mixed. Pink and white flowers. ½ ft.05	.50
--	-----	-----

SCABIOSA (*Mourning Bride*).

One of our handsomest summer-flowering plants, with beautiful variegated flowers. Grow freely in good loam. *Annual*.

Grandiflora, Finest Double Mixed. New double large-flowering varieties . . . . .	.05	.75
“ Double Dark Purple, Double White, Double Cherry Red . . . . .	.05	.75
Dwarf Double Mixed. Finest colors . . . . .	.05	.75
Caucasica. Bright pale-blue flowers, 3 to 4 inches across. <i>Hardy perennial</i> . . . . .	.10	1.00
Collection of eight separate colors . . . . .	.50	

SCHIZANTHUS.

A genus of beautiful annuals; profuse bloomers, with rich and various-colored flowers. Sow in light, rich loam, and shelter from winds.

Finest Mixed. 1 ft.05	.60
------------------------------------	-----	-----

SCHIZOPETALUM.

Walkerii. White, sweet-scented annual, with curiously cut petals

.05 .75

SEDUM (*Stonecrop*).

Interesting little plants, growing freely in baskets, mounds, rock-work, etc., flowering in great profusion, and of very easy culture. *Annuals and perennials*.

Finest Mixed. ¼ ft.10	1.00
------------------------------------	-----	------

SENECIO (*Jacobæa*).

Handsome, free-flowering plants, with brilliant-colored blossoms; fine for beds or borders, succeeding best in light, rich soil. *Annual*.

Elegans fl. pl. Extra double mixed. 2 ft. . . . .	.05	1.00
“ Nana fl. pl. A beautiful dwarf double flowering <i>Jacobæa</i> with great variety of colors. 1 ft. . . . .	.05	1.00
“ Pomponicus. Compact habit, double purple red flowers . . . . .	.15	
“ Ruber. Dark rose color . . . . .	.25	
Speciosa. Very handsome perennial, with fine purple flowers; blooms first season . . . . .	.25	

SILENE (*Catchfly*).

Well-known plants, with bright, attractive flowers, and of easy culture in any good garden loam.

		PKT.	OZ.
<i>Annual.</i>			
Armeria (<i>Catchfly</i>).	Finest Mixed. 2 ft.	.05	\$ 0.40
Pendula Compacta.	Dwarf, pink. 1/2 ft.	.05	.50
"	" Alba. Dwarf, compact white. 1/2 ft.	.05	.50
"	" Rosea fl. pl. Dwarf, compact, double rose flowered	.05	.60
"	" Alba fl. pl. " " " white "	.05	1.00

SMILAX. (See *Myrsiphyllum*.)**SOLANUM.**

Ornamental and interesting fruit-bearing plants for garden and greenhouse. Succeed in a rich soil.

		PKT.	OZ.
<i>Annual.</i>			
Hybrids.	<i>Finest Mixed.</i>	.10	1.00
Capsicastrum Nanum (<i>Dwarf Jerusalem Cherry</i>).	Scarlet berries	.10	1.50

STATICE (*Sea Lavender*).

Interesting plants of easy culture, remaining a long time in bloom; valuable for winter decorations.

Annual Varieties.	Finest Mixed. 1 1/2 ft.	.05	.60
Perennial Varieties.	Finest Mixed. 1 1/2 ft.	.05	.60
Suworowi.	Fine annual variety, flower-spikes about 15 inches long, of a bright rose-color	.10	

STELLARIA.**Graminea Aurea.** Golden-yellow foliage, well adapted for carpet-bedding and edgings, does not exceed 3 inches in height, and is a far richer yellow than the *Golden Feather*15**STENACTIS.****Speciosa.** Hardy herbaceous perennial from California, with showy purple star-like flowers; blooms from midsummer through the autumn. Sown early in heat, it blooms the same season. 2 ft.05 .60**STEVIA.**A useful plant for pot or border culture; very free-flowering. Extensively used by florists for cut flowers. Very easily grown, requiring a light, rich soil. *Tender perennials.*

Eupatoria.	White	.05	1.50
Lindleyana.	Reddish white, sweet scented	.05	1.50
Purpurea.	Purple	.05	1.50
Serrata.	White, fine for bouquets	.05	1.50

STOCKS (*Gilliflower*).

A favorite genus of plants; one of our sweetest and gayest flowers for greenhouse or garden; excellent for bedding, massing, edging, or pot-culture. Very profuse bloomers, requiring rich soil. Sow the seed in February or March in the hot-bed, or May and June in the open border.

DOUBLE, LARGE-FLOWERED GERMAN TEN-WEEKS.

Finest Mixed.	This seed is saved from pot-grown plants only	.10	4.00
Fine Mixed.	Very good quality	.05	2.00
New Giant Perfection.	Finest pot-seed. Mixed colors	.10	4.00
Boston Florists' Double White.	Long spikes of very double pure white flowers	.10	5.00
Bright Rose, Carmine, Crimson, Canary Yellow, Celestial Blue, Dark Blood	Red, Purple Violet, and Pure White	each, 10 cents.	4.00
Collection	of twelve separate colors	.75	
"	" eight separate colors	.60	

The following varieties are valued for their late autumn flowering; also winter and early spring blooming in pots.

Earliest Flowering Autumnal (<i>Intermediate</i>).	Finest pot-seed. <i>Double Mixed</i>	.10	
East Lothian or Autumn.	<i>Double Scarlet</i>	.20	
"	" <i>White</i>	.20	
"	" <i>Finest Mixed</i>	.20	
Emperor or Perpetual.	" <i>Finest Mixed</i>	.10	
Winter or Brompton.	" <i>Finest Mixed</i>	.10	

SUNFLOWER. (See *Helianthus*.)**SWEET CLOVER** (*Melilotus*).

Melilotus Suaveolens.	Grows about 3 ft. high, and is very sweet scented; the flowers are yellow and quite large; it grows freely in any common garden soil	.05	.75
Melilotus Cœrulea.	Blue-flowered	.05	.40

SWEET PEAS. (See *Lathyrus*.)**SWEET SULTAN.** (See *Centaurea*.)**SWEET WILLIAM.** (See *Dianthus*.)

TACSONIA.

A beautiful climber for house or conservatory; flowers abundantly, and nearly the whole season; closely allied to the passion-flower. They require a fine, rich loam. *Half-hardy perennials.*

Ignea. Scarlet. 10 ft.	PKT.	OZ.
Von Volxemi. Large-flowered; bright scarlet. 10 ft.	.20	.20

TAGETES (Marigold).

Old garden favorites of rich and beautiful colors. Many of the dwarf varieties make excellent pot-plants for winter blooming. They grow well in any good garden loam. *Annual.*

African Lemon. Large double, lemon color	.05	\$ 0.40
“ “ Quilled. Same as above, with quilled petals	.05	.50
“ Orange. Large double, orange color	.05	.40
“ “ Quilled. Same as preceding, with quilled petals	.05	.50
“ El Dorado. Flowers from three to four inches in diameter, most perfectly imbricated, and extremely double. The colors run through all shades of yellow, from very light primrose to the deepest orange	.10	
“ Finest Double Mixed	.05	.40
“ Collection of six separate colors	.25	
French Double Dwarf Striped. Splendid strain	.05	.75
“ “ Dwarf. Finest mixed. 1 ft.	.05	.50
“ “ Tall. Finest mixed. 2 ft.	.05	.50
“ Aurea Floribunda. Very fine improved bedding variety	.05	.60
“ Single Striped. New	.05	.75
“ Double Collection of ten separate colors	.40	
“ “ “ “ “ six “ “	.25	

THUNBERGIA.

A genus of ornamental, free-flowering climbers of rapid growth; handsome foliage, and much-admired flowers. Succeed best in light, rich soil, and warm situation. *Annual.*

Alata. Buff, with dark eye. 5 ft.	.05	1.00
“ Alba. White, with dark eye. 5 ft.	.05	1.00
Aurantiaca. Bright orange, with dark eye. 5 ft.	.05	1.00
Bakeri. Pure white. 5 ft.	.05	1.00
Finest Mixed. 5 ft.	.05	.75

TORENIA.

Beautiful trailing, free-flowering plants; suitable for pot-culture in house or conservatory. They also succeed well in a moist, shady border during the summer months, and for baskets and vases are unsurpassed. Light, rich loam. *Tender perennial.*

Bailloni. Bright golden yellow, with brownish-red throat	.10
Fournieri. Azure blue, with three dark-blue spots and bright-yellow throat	.10
“ Grandiflora. New large-flowered variety of the preceding	.15

TRITOMA (Red-Hot Poker).

Interesting and showy plant, with flower-stalk 3 ft. high, covered for about a foot with bright orange-scarlet flowers. Very effective if planted in clumps or among shrubbery. Rich soil.

Uvaria Grandiflora. <i>Half-hardy perennial</i>	.10	2.00
--	-----	------

TROPÆOLUM (Nasturtium).

A splendid genus of climbing and trailing plants, profuse flowering, and of very easy cultivation, growing well in any good garden loam. *Annual.*

Canariense (Canary-bird Vine). Bright yellow. 12 ft.	.10	.50
Minus (Small-flowered). Mixed Colors	.10	.30
Speciosum. Small, intense scarlet; beautiful; ripens very few seed	.20	
Lobbianum, Extra Mixed. Splendid climbers. Noted for brilliant colors and dark foliage	.10	.40
“ Cardinal. Dark cardinal red; superb	.10	1.00
“ Crown Prince. Deep blood-red	.10	.50
“ Lucifer. Very dark scarlet	.10	.75
“ Mercier Lacombe. Purplish violet	.10	.75
“ Monsieur Colmet. Dark brown	.10	.50
“ Napoleon III. Golden, striped with carmine	.10	.50
“ Perpetual Flowering. Brilliant crimson, dark foliage, continuous bloomer	.10	.75
“ Roi des Noirs. Black	.10	.50
“ Spitfire. Brilliant scarlet	.10	.50
“ Collection of twelve separate colors	.75	
Majus (Climbing), Extra Mixed. Large-flowered; our own mixture of finest colors per lb. 1.50	.05	.15
“ “ Coccineum. Scarlet	.05	.15
“ “ Dunnett's Orange. Fine orange red	.05	.15
“ “ Edward Otto. Brownish lilac	.05	.15
“ “ Heinemanni. Chocolate color	.05	.15
“ “ King Theodore. Very dark; almost black	.05	.25
“ “ Luteum. Yellow	.05	.15
“ “ Regelianum. Purple violet	.05	.15
“ “ Scheuerianum. Straw color, spotted	.05	.15
“ “ Scheuerianum Coccineum. Scarlet striped	.05	.15
“ “ Collection of eight separate colors	.40	

VISCARIA.

Remarkably fine plants for masses, borders, etc., easily grown in a light soil, their bright blossoms continuing the whole summer. *Annual.*

	PKT.	OZ.
Cardinalis. Bright scarlet. 1 ft. . . . .	.05	\$ 0.50
Oculata Cœrulea. Blue, with white eye. 1 ft. . . . .	.05	.50
Finest Mixed. 1 ft. . . . .	.05	.50

VIRGINIA STOCK.

Very handsome free-flowering little plants, for beds, baskets, or edgings, growing freely in any good garden loam. *Annual.*

Finest Mixed. Red and white varieties. ½ ft. . . . .	.05	.50
Fairy Queen. Dwarf. Compact bright rose . . . . .	.05	.75

WAHLENBERGIA (Bell-Flower).

Handsome showy plants, resembling the campanulas, with pretty bell-shaped flowers. Succeed in light, rich loam. *Hardy perennials.*

Grandiflora. Blue. 2 ft. . . . .	.05	1.25
“ Alba. White. 2 ft. . . . .	.05	1.25

WAITZIA.

Charming variety of everlastings, suitable for pot or garden culture, very pretty for dried-flower work; grow well in light loam. *Annual.*

Grandiflora. Bright yellow. 1 ft.10
--	-----

WALLFLOWER.

Well-known, deliciously fragrant plants, with large spikes of double flowers similar to the gilliflower. Succeed best in light, rich soil, in a moist atmosphere. *Half-hardy perennials.*

Extra Double Branching, Finest Mixed. 2 ft.10	4.00
“ “ Collection of six separate colors60	

WHITLAVIA.

Charming annuals, with handsome bell-shaped flowers, very profuse flowering, and effective in beds, borders, edgings, or ribbon-work, doing well in common garden soil.

Grandiflora. Violet blue. 1 ft. . . . .	.05	.40
“ Alba. White. 1 ft. . . . .	.05	.40
“ Finest Mixed. 1 ft. . . . .	.05	.40

WIGANDIA.

Splendid ornamental foliated plant, with immense richly-veined leaves, the stems covered with crimson hairs. Very showy on lawns. They require rich loam and plenty of room. *Half-hardy perennials.*

Caracasana. Lilac. 6 ft. . . . .	.15
Imperialis. Splendid. 7 ft. . . . .	.15

WILD CUCUMBER.

Extensively used for covering walls, fences, etc. It is a very rapid climber, with bright-green foliage and greenish-white flowers

	.05
--	-----

XERANTHEMUM.

Everlastings of the easiest culture. Sow the seed about May, in the open border, in any good garden loam. Very useful for winter decorations. *Annual.*

Finest Mixed, including White, Purple, and Rose05	1.00
--	-----	------

ZEA (Maize).

Japonica. An ornamental foliated plant from Japan, leaves alternately striped with green and white.05	.15
Gracillima Variegata. More compact than the preceding, graceful10	

ZINNIA.

This is one of our finest summer-flowering plants. The flowers are large, handsome, finely formed, and in great variety of color. Seed sown early under glass will commence flowering in June, and continue the whole season. They require but little attention, and any common garden loam. *Annual.*

Double Extra Mixed. Our own mixture of finest colors. 3 ft. . . . .	.05	1.00
“ Lilac, Purple, Rose, Scarlet, White, and Yellow, each . . . . .	.05	1.00
“ Striped. (<i>Zebra Zinnias</i>) Beautifully striped and variegated flowers . . . . .	.10	2.00
“ Giant. (<i>Grandiflora Robusta Plenissima</i>) very large, double, and fine colors . . . . .	.10	2.00
“ Liliput. Finest Mixed. New small flowered dwarf growing variety . . . . .	.15	
“ Pompon. Finest Mixed. Very double small flowering variety. . . . .	.05	1.00
“ Dwarf (<i>Nana fl. pl.</i>) Finest dwarf double mixed. 1 ft. . . . .	.05	1.00
“ “ Alba. Fine White . . . . .	.05	1.50
“ “ Aurea. Fine Yellow . . . . .	.05	1.50
“ “ Coccinea. Extra fine Fiery Scarlet . . . . .	.05	1.50
“ “ Purpurea Nigra. Very dark Maroon . . . . .	.05	1.50
“ “ Violaacea. Fine Violet . . . . .	.05	1.50
Single Tom Thumb. Finest Mixed. Large single flowers . . . . .	.15	
Collection of six separate colors. Tall . . . . .	.30	
“ “ “ “ “ “ Dwarf . . . . .	.40	

SELECT LIST OF CHOICE HARDY

PERENNIAL FLOWER-SEEDS,

NOT MENTIONED IN GENERAL LIST.

IT is perhaps not generally known that very many Hardy Perennials can with every safety and success be raised from seed; endless varieties germinate with the utmost freedom, and from that stage onward are of the simplest possible cultivation; others, it is true, require more care and attention, but even the trouble which it is necessary to bestow upon these is as nothing compared with the very beautiful results which are obtained.

In making up the following selection, we have had regard to the fact that the great majority of the public require perfectly hardy, comparatively free-growing sorts, at once showy and attractive. These points are embodied in the following list, in addition to which a very large number are invaluable for the purpose of supplying cut bloom for the table or other decorations; the attention now being paid to Hardy Perennials for this purpose alone is most striking, for no class of plants are so well adapted for cutting as these; they are easily grown, perfectly hardy, flowering from year to year, requiring but little attention, and producing in the great majority of instances an almost endless quantity of bloom.

Aconitum Pyramidatum. Strong-growing, with erect stems of numerous helmet-shaped flowers of a dark blue color; very fine	PKT.
Aconitum Pyrenacium. With fine yellow flowers	.10
Æthionema Grandiflora. Branching sub-evergreen shrub; flowers bright rose; one of the most attractive perennials	.10
Agrostemma Flos Jovis. Pretty symmetrical bush 2 ft. high, with soft downy foliage, and bright rose-colored flowers	.05
Alstroemeria Chilensis. Highly interesting, of easy growth, dwarf habit, and produce large heads of flowers in different shades	.10
Androsace Coronopifolia. Elegant little plant from the Alps, allied to the Primula; flowers white	.10
Anemone Sylvestris (Windflower). May be described as a fac-simile of Anemone Japonica Alba , only flowering in early summer instead of autumn. It forms clumps about 2 ft. high, with pure white flowers	.10
Anemone. New Irish Varieties. In form these partake of the style of A. Coronaria , but with larger flowers which are very bright and showy	.25
Aristolochia Siphon (Dutchman's Pipe). Hardy climber, with large, rich, deep green foliage; flowers resembling in shape a pipe	.15
Asclepias Tuberosa. One of the most showy of our autumn flowering perennials; about 2 ft. high, with bright orange-colored flowers in umbels	.10
Asperula Hexaphylla. Fine, tall-growing, white-flowered species, similar in habit and flowers to Gypsophila Paniculata , blooming for a long time; fine for cutting	.10
Asphodelus Ramosus. Producing from a single root numerous stout branching stems 3 to 4 ft. high, covered with white flowers. Will thrive in almost any soil or situation	.10
Bignonia Radicans (Trumpet Vine). Splendid climber, with large orange and red trumpet-shaped flowers,	.10
Bupthaliun Salicifolium. A first-class perennial; flowers golden yellow, on stems 2 ft. high, forming a pretty and very symmetrical bush	.10
Campanula Carpatica. Bright blue, growing 1 ft. high; very useful	.10
Campanula Carpatica Alba. White-flowered variety of the former	.10
Campanula Glomerata Duhurica. Invaluable for cutting or decoration. It grows about 18 inches high, forming a number of stems, producing flowers at the axils of the leaves, and terminating with large heads of rich purple	.10
Campanula Turbinata. Mixed Varieties. These grow about 6 in. high, and produce immense quantities of beautiful salver-shaped flowers, including all shades of blue, purple, white, and almost crimson	.10
Cowslip. Yellow. We offer this color of the true English Cowslip. They are very early, dwarf-growing and quite hardy	.10

	PKT.
Candytuft. Perennial Sorts. See <i>Iberis</i> , page 54.	
Delphinium Cardinale. A distinct scarlet variety, with a decided yellow centre; very robust and vigorous habit, growing 4 ft. high; foliage large and deeply divided; excellent	.25
Delphinium Cashmerianum. Dark green foliage, and very large dark blue flowers from 1 to 2 inches in diameter, height about 18 inches	.10
Delphinium, Lemoine's Hybrids. An excellent strain of double and single varieties, in a great variety of colors	.10
Dianthus Deltoides (The Maiden Pink). Bright red flowers, thoroughly hardy; in bloom for a long period; of dwarf, neat habit	.10
Dianthus Deltoides Alba. White-flowered sort of the preceding	.10
Digitalis Monstrosa. Splendid Mixed. A much improved beautiful class of Foxgloves	.10
Dryas Octopetala. A beautiful Alpine, with dark green foliage and large white flowers; height 3 inches	.25
Echinacea Angustifolia. A highly ornamental genus of autumn flowering perennials, nearly allied to the Rudbeckia . It grows about 4 ft. high, with large reddish purple flowers with black centres	.10
Erigeron Aurantiacus. Fine tufts of leaves with flower-stems 9 inches high, with large, bright orange flowers; blooms freely, and thrives in almost any soil	.10
Erinus Alpinus Albus. Pretty Alpines, forming compact cushions, which are literally covered with white flowers, growing freely on rock-work and dry places	.15
Erinus Alpinus Carmineus. New, bright, carmine-flowered variety of above	.15
Eryngium Amethystinum. A noble and handsome plant, as hardy as it is beautiful. It grows about 3 ft. high, with handsome foliage, and heads of flower of a lovely amethystine blue	.10
Erythraea Diffusa. Dwarf, dense tufts of foliage, surmounted with numerous bright, rosy pink flowers, on stems 6 inches high, flowering for nearly two months; highly recommended for rock-work or edgings	.25
Gaillardia Grandiflora Superba. A very free-flowering variety, with unusually large and beautiful flowers; individual flowers measuring 4 inches and upward in diameter; colors red and yellow	.15
Galega Officinalis. A strong-growing border-plant, having bunches of purple pea-shaped flowers	.05
Galega Officinalis Alba. Pure white-flowered variety of above, most valuable where cut flowers are wanted in quantity. It blooms nearly all summer	.10
Gentiana Acaulis (Blue Gentian). Charming cushions of glossy foliage, from which issue numerous erect bell-shaped flowers of intense blue	.10
Gentiana Lutea (The Great Yellow Gentian). Producing whorls of numerous bright yellow flowers on stems 3 to 5 ft. in height; distinct from all others of this family	.10
Geum Montanum. Forming close, large tufts of foliage, and producing abundance of showy, bright golden yellow flowers on stems 9 to 12 inches high; a first-class perennial	.15
Gypsophila Acutifolia. Fine rose-colored flowers	.10
Gypsophila Cerastioides. Of dwarf habit, and abundance of white flowers	.10
Helenium Grandiflorum. A first-class autumn-blooming plant; flowers 2 inches across, of a deep yellow with black disc	.19
Helleborus Niger (Christmas Rose). Flowers 2 to 4 inches in diameter; white, with yellow stamens; the buds are tinged with rose; blooms very early in the spring. 1 ft. high	.10
Humulus Lupulus (Hop Vine). Hardy climber	.10
Liatris Spicata. Showy plants, with long, spiked heads of rosy purple flowers	.10
Linaria Alpina (Alpine Snapdragon). A lovely little Alpine, which is covered the whole summer with deep violet flowers having orange throats	.15
Lupinus Polyphyllus. Stout spikes of blue and blue and white flowers, very showy	.05
“ “ Albus. Flowers pure white on large spikes	.05
Meconopsis Cambrica (Welsh Poppy). Very free growing, and having abundance of bright yellow flowers, composed of numerous whorls of rose-colored flowers, white in the bud	.15
Morina Longiflora. Effective perennial, forming rosettes of large deep green foliage and stout spikes, composed of numerous whorls of rose-colored flowers, white in the bud	.10
Oenothera Macrocarpa. A compact trailing, vigorous-growing perennial, with deep yellow flowers, 3 inches across, very useful and showy in almost any soil or situation	.10
Papaver Pilosum. A curious species, growing about 2 ft. high, with spikes of salmon-red flowers	.10
Phlox Nelsonii (Moss Pink). This and the following are certainly two of the best Alpine Phloxes grown. This variety has beautiful moss-like foliage, spangled with myriads of snow-white flowers in early spring	.25
Phlox Setacea Atropurpurea. Similar to the preceding, with large purplish rose-colored flowers with crimson belt	.25
Platycodon Grandiflora (Wahlenbergia). Producing abundance of salver-shaped flowers 2 to 3 inches across, of a deep blue color	.05
Platycodon Grandiflora Alba. White variety of the preceding	.05
Potentilla Formosa. One of the most charming perennials, growing about 2 ft. high and producing in great profusion numerous quantities of bright cherry-red flowers	.10
Rudbeckia Neumannii. Handsome autumn-flowering perennial, of very fine growth, producing abundance of bright golden-yellow flowers with black centres	.10
Saponaria Ocyroides Splendens. A most useful and attractive perennial, of neat trailing habit, having quantities of very brilliant red flowers	.05
Scabiosa Caucasica. Bright pale flowers, 3 to 4 inches across	.10
Sidalcea Candida. About 2½ ft. high, with pure white flowers about an inch across; blooms for a long time, and prefers a moist, loamy soil	.10
Thermopsis Lupinoides. Showy and ornamental perennials, having erect stems 2½ ft. high, terminating with racemes of bright yellow flowers	.10
Trollius, Mixed. A charming group of spring-flowering perennials, forming tufts of large, handsome foliage, from which issue branching stems bearing large, globular flowers, varying from creamy white to deep orange,	.25
Verbascum Phoeniceum. Effective and free-growing, producing an abundance of erect spikes 2 ft. high, thickly set with purple, white, and red flowers	.10
Wulfenia Caranthisca. Of dwarf habit, with spikes of bright blue flowers with yellow throat. A beautiful Alpine	.25
Zauschneria Californica. One of the best for autumn flowering; about 18 inches high, with bright vermilion flowers. It grows best in a dry, warm situation	.25

FIRST PRIZE.



1889.

To *Schlegel & Fottler*
 For *Pompon Dahlias*

\$ 3

DAHLIAS.

These autumn-flowering plants are more popular than ever. They should not be planted until the weather has become warm and settled in spring, and should be taken up before severe frosts in autumn. They require a sunny situation, and rich soil, to bring out their full beauty. One shoot only should be allowed to each root. Roots should be kept in a warm, dry place during winter.

The following POMPON varieties are of recent introduction, and exceedingly fine in form and colors, far surpassing the older sorts. This collection was awarded the above prize.

Price 20c. each.

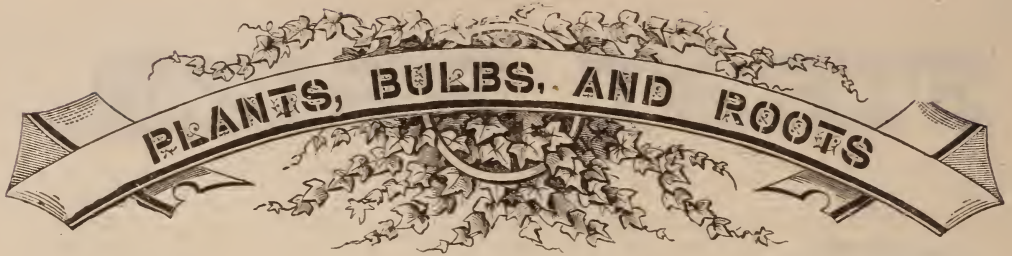
\$2.00 per dozen.

- Beatrice.** Blush tinted violet.
- Brunette.** Finest sport known.
- Catharine.** Best known golden yellow.
- Darkness.** Deep Maroon.
- Fashion.** Bright orange buff.
- French Sport.** One of the best.
- French White.** Splendid white.
- Garnet.** Orange scarlet, free bloomer, excellent.
- Gruss Au Wein.** Centre deep pink shading off to lighter.
- Hedwig Pollwig.** Deep red, tipped with white.
- Isabelle.** Very fine scarlet.

- Lady Blanche.** Finest white known.
- La Comet.** Intense scarlet, extra.
- Mabel.** Lilac, excellent form, free bloomer.
- Mlle. Valentine Faconet.** White, effectively striped with purple.
- Prof. Bergeat.** Bright rosy crimson.
- Princess Sophie Sophiea.** Shaded lake, very bright.
- Rosalie.** Pale primrose yellow, rose tint.
- Rougier Chauvier.** Rosy purple, tipped with white.
- Wilhelm Nitches.** Red tipped with white.
- Young America.** White, spotted and splashed with Maroon.

The following are selected from older sorts, and for a general assortment give the best of satisfaction.

	EACH.	DOZ.
Double Show. Large flowered, assorted colors . . . . .	.15	\$1.50
Double Pompon. Small flowered, assorted colors . . . . .	.15	1.50
Single. Assorted colors . . . . .	.15	1.50



FOR

SUMMER AND FALL FLOWERING.

CHRYSANTHEMUMS.

We have a fine collection of this popular fall flower, embracing the different colors, sizes, and shapes. They are fine small plants, and should be grown in a rich compost of light loam and rotten manure, giving them a cool, airy situation out of doors through the summer, thus making strong plants for fall blooming.

Price, 15-cents each; \$1.50 per dozen. By mail, 5 cents extra for each plant.

LILIES (*Lilium*).

Now that hardy plants generally are being so much sought after, no genera can lay so much claim to our attention as the genus *Lilium*. They are stately, massive, and beautiful. Some possess the most gorgeous colors, while others are of snowy whiteness and purity, with the most delicate and agreeable perfumes; whilst for general effect, whether growing in the gardens or used as cut flowers, they have no rivals.

They should be planted in spring by the 1st of May, and in the fall from Oct. 1, as long as the soil can be worked, in a good loamy soil, enriched with very rotten manure. Plant four inches deep, and cover in winter with a light layer of manure, which may be forked in the following spring. The majority of lilies are perfectly hardy; and those that are not require only a covering of four to six inches of dried leaves, or other non-heat-conducting material. The bulbs should not be disturbed oftener than once in three years.

General List of all the most desirable Standard Varieties.

	EACH.	DOZ.
Auratum (<i>Golden-rayed Queen of Lilies</i>). This magnificent variety has become one of the standard favorites of the flower-garden. Their immense blooms, measuring nearly a foot in width when fully expanded, are produced in great profusion; very fragrant . . . . .	.25	\$2.00
Batemanæ . A Japanese lily, three to four feet high, with richly colored flowers of a bright apricot tint . . . . .	.50	5.00
Brownii . A magnificent variety, with large trumpet-shaped flowers, white inside, purple outside, with rich chocolate-colored stamens	1.25	
Canadense . Our bell-shaped native lily; drooping yellow and red flowers . . . . .	.10	1.00
Candidum (<i>Easter Lily</i>). Snow white, very fragrant . . . . .	.10	1.00
Concolor . Graceful foliage, with numerous brilliant crimson flowers . . . . .	.25	2.50
Coridion . Yellow, with black dots . . . . .	.25	2.50
Elegans (<i>Thunbergianum</i>). Deep maroon . . . . .	.15	1.50
Elegans Atrosanguineum . Rich blood-crimson, spotted with black . . . . .	.15	1.50
Elegans, Alice Wilson . Bright straw-color, sparsely spotted with black; very rare and desirable	2.00	

LILIES (Continued).

	EACH.	DOZ.
Elegans Citrinum. Dwarf, with beautiful light-yellow flowers . . . . .	.25	\$3.00
Elegans Staminosum. Blood crimson, perfectly double . . . . .	.25	2.50
Excelsum (Isabellinum). One of the best varieties grown; of a delicate buff color, and very fragrant . . . . .	.50	5.00
Hansoni. The outside is yellow streaked with white, and the inside bright yellow spotted with purple; one of the best	1.50	
Humboldtii. A California variety, with fine large flowers of a golden yellow color spotted with purple . . . . .	.50	5.00
Leichtlinii. A beautiful Japanese variety of neat and elegant habit. The flowers are pure canary-yellow with crimson spots . . . . .	.75	
Longiflorum. Snow white, trumpet-shaped . . . . .	.15	1.50
Martagon (Turk's Cap). Various colors mixed . . . . .	.25	2.50
Martagon Dalmaticum. Rich glossy crimson purple . . . . .	.75	
Monadelpum. Rich citron-color spotted with black. One of the best . . . . .	.75	
Pardalinum. Scarlet shaded to rich yellow, freely spotted purple brown . . . . .	.25	2.50
Pomponium Vernum. Bright crimson scarlet; an elegant variety . . . . .	.50	
Speciosum (Japan) Album. Pure white and fragrant . . . . .	.40	4.00
Speciosum (Japan) Præcox. Pure white with slight rose-tint . . . . .	.40	
Speciosum (Japan) Roseum. White spotted with rose . . . . .	.15	1.50
Speciosum (Japan) Rubrum. White spotted with crimson . . . . .	.15	1.50
Superbum. Yellowish-red flowers, from twenty to fifty in number, in the form of a pyramid . . . . .	.15	1.50
Tenuifolium. This dazzling little gem is worthy of all praise, and should find a place in every collection. It blooms out of doors about the middle of May; and its graceful, wax-like flowers, of a lovely vermilion scarlet, cannot fail to impart pleasure to all lovers of lilies. Selected bulbs, 50 cents each . . . . .	.25	3.00
Tigrinum (Tiger Lily). Orange salmon, spotted black . . . . .	.15	1.50
Tigrinum fl. pl. Double tiger lily . . . . .	.30	3.00
Umbellatum. Free bloomer, varying in color from yellow flaked with red, without spots, to yellow or red covered with dots; very showy . . . . .	.15	1.50
Wallacei. A magnificent Japanese variety, with beautiful clear-buff flowers spotted with black . . . . .	.50	

ACHIMENES.

One of the finest summer ornaments of the greenhouse or conservatory, blooming freely from July to October, and producing all shades and colors of flowers from white to crimson. Plant early in the spring, in light loam and leaf-mould; keep in a warm, shady place, care being taken in watering not to wet the foliage. After blooming, leave them in the pots, and keep entirely dry during the winter.

Mixed Varieties 5 cents each; 50 cents per dozen.

AGAPANTHUS (*African Lily*).

A fine bulbous-rooted plant, with flower-stalk about three feet high, crowned with a head of twenty or thirty flowers, which open in succession during the summer. They should be grown in a sandy loam, enriched with very rotten manure, and liberally supplied with water while growing.

Umbellatus. Blue 40 cents each.

Umbellatus Flore Alba. White \$1.00 each.

AMARYLLIS.

Very beautiful drooping, lily-shaped flowers, varying in color from richest crimson to pure white striped with scarlet or crimson. They should be grown in well-drained pots, in a soil of equal parts of peat, leaf-mould, and loam.

Formosissima (Jacobean Lily). Velvety crimson 20 cents each; \$2.00 per dozen.

Vittata Hybrids. Striped varieties \$1.00 each.



Canna.



Gladiolus (see page 73).

BEGONIA (*Tuberous Rooted*).

These splendid varieties produce branching, and at the same time tufted, plants from twelve to eighteen inches high, covered with bright flowers of various colors the whole summer, succeeding as well in partial shade as in the sun. Roots should be kept in the greenhouse during winter.

Mixed Varieties. 20 cents each; \$2.00 per dozen.

CALADIUM ESCULENTUM (*Colocasia*).

One of the most beautiful of the ornamental-foliaged plants, either for culture in pots, or planting out on the lawn. They will grow in any garden-soil, and are of the easiest culture, often growing five feet high; with immense leaves, very smooth, and of a light green beautifully veined with dark green.

Dry Bulbs 10 cents each; \$1.00 per dozen.

Growing in Pots 25 " " 3.00 " "

CANNA.

A class of plants for grand effects. Their rich and varied-colored leaves, combined with large and beautiful flowers of brilliant colors, make them very desirable for planting in groups on the lawn, or singly in beds. Keep the roots in a warm, dry place through the winter.

Ehemanni. Magnificent sort, with deep green <i>musa</i> -like foliage and elegant carmine crimson flowers over 3 inches long and 2 inches wide	EACH.	DOZ.
	.25	\$2.50
Robusta. Very dark foliage, robust grower . . . . .	.10	1.00
Mixed Varieties . . . . .	.10	1.00

HOLLYHOCKS.

Popular and handsome class of plants. Plant in rich loam, and divide the roots once in two years.

Choice Strain. Assorted colors 25 cents each; \$2.00 per doz.

—————

 —————

GLADIOLUS.

Of summer-blooming plants for general garden-decoration, the gladiolus is deserving of special attention. Requiring but little room for growth, they are exceedingly useful for filling vacant places in the border, while for massing in large beds, where a brilliant and effective display is desired, they are invaluable. They succeed best in good loam, manured with well-rotted horse-dung. Bulbs should be planted about three inches deep and six inches apart, and kept well watered.

	DOZ.	PER 100.
Extra Fine Mixed. All colors . . . . .	.40	\$2.50
Shades of Red. Mixed . . . . .	.40	2.50
“ “ White and Light. Mixed . . . . .	.50	3.00
“ “ Yellow. Mixed . . . . .	.50	3.00
“ “ Pink and Variegated. Mixed . . . . .	.50	3.00

GLOXINIA.

A superb genus of greenhouse bulbs, producing in great profusion beautiful flowers of the richest and most beautiful colors. They succeed best in sandy loam and peat, and require a moist heat. After blooming, dry off gradually, let the bulb remain in the pot without water, and keep in a warm place until they show signs of starting again.

Mixed Varieties. Splendid sorts 30 cents each; \$3.00 per dozen.

GLORIOSA SUPERBA.

A climbing-plant best described as a *Climbing Lily*. The leaves are very glossy, deep green, with tendrils at their tips. The flowers are scarlet and yellow, lily-shaped, with petals reflexed like the cyclamen 30 cents each; \$3.00 per dozen.

HYACINTHUS CANDICANS.

A magnificent new species, with flower-stems three to four feet high, bearing from twenty to thirty large, pure-white flowers, blooming in July and August. It is perfectly hardy, and can remain in the ground throughout the year 10 cents each; \$1.00 per doz.

IRIS KÆMPFERII.

A new Japan iris, one of the finest flowers of recent introduction. The colors are blue, purple, red, and white, with yellow markings. Some of the varieties are clear colors, others with yellow spots at the base of the petals, and others beautifully mottled, striped, and variegated. We have one of the finest collections in the country.

	EACH.	DOZ.
Twelve Finest Varieties, Named . . . . .	.25	\$2.50
Mixed Colors . . . . .	.15	1.50

MADEIRA VINE.

A rapid-climbing plant, with beautiful wax-like, light-green leaves, and feathery-white flowers, with a delicious fragrance resembling mignonette. The culture is simple: the roots need but to be planted, and a trellis or strings given the vine to climb on. The roots may be treated like potatoes in winter 5 cents each; 50 cents per doz.

MILLA BIFLORA.

One of the loveliest and most desirable bulbs known. The flowers are borne on stems, two to five in number, of pure waxy white, and two inches in diameter. The flowers will keep for days when cut, and placed in water. It will throw up as many as six flower-stalks from one bulb, and continue in bloom a long time 10 cents each; \$1.00 per doz.

MONTBRETIA POTTSI.

A most beautiful new bulbous plant, resembling somewhat a miniature gladiolus. It throws up several flower-spikes from each bulb, with flowers of a bright orange red, of perfect form and grace 10 cents each; \$1.00 per doz.

PÆONIES.

These have become indispensable to every garden. They are all hardy, and admirably adapted to our northern climate; growing in almost all situations, and even flourishing under shade-trees. We have a fine collection of named and unnamed varieties, including shades and variegations of yellow, crimson, rose, cream, etc.

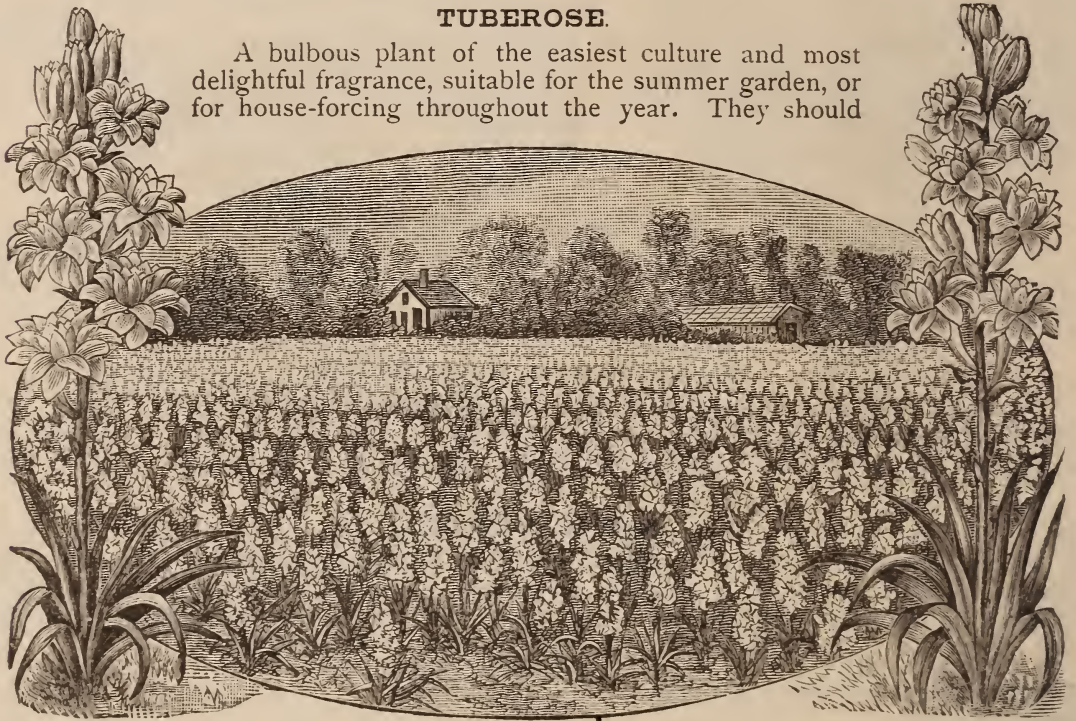
Good Roots.	EACH.
Extra Roots, Named Varieties	.25
Tenuifolia fl. pl. A new variety, with foliage like a beautiful fern, and flowers the color and shape of the Jacqueminot rose, more double and one-third larger	.50

PANCRATIUM MARITIMUM (*Spider Lily, or Sea Daffodil*).

Amaryllis-like, bulbous plants, with long strap-like leaves, pure-white and delightfully fragrant flowers. They should be grown in light loam and leaf-mould, and allowed a season of rest; propagated by offsets 25 cents each.

TUBEROSE.

A bulbous plant of the easiest culture and most delightful fragrance, suitable for the summer garden, or for house-forcing throughout the year. They should



be started early inside, in pots, in a good soil well enriched with fine rotten manure, and, when the weather is settled, turned out into the border.

Extra strong roots, grown specially for us.

	EACH.	DOZ.	HUND.
Excelsior Pearl. A superior strain; the flowers are very white and large, and are produced in great abundance	\$0.05	\$0.50	\$2.50
No. 1 Pearl. Extra large bulbs of this old variety	.05	.50	2.50
Single Flowered. Resembling the orange blossom, very fragrant	.05	.50	3.00
Excelsior Pearls. Started in pots		2.00	

TRITOMA UVARIA GRANDIFLORA (*Red-hot Poker*).

Admirably adapted for single clumps on the lawn, or among shrubbery, where its tall spikes of orange-red flowers make an effective display from August until November. 25 cents each.

Lawn Mowers Cleaned and Sharpened for \$1.50.

TIGRIDIA (*Tiger-Flower*).


A genus of Mexican bulbs, growing about a foot and a half high, and producing flowers of the most exquisite beauty, about four inches across, of curious shape, and the color of each variety gorgeous and purely contrasted; in bloom from July to October. The bulbs should be planted in May or June, about two inches deep. After the tops are killed by frost, they should be taken up, and kept in a dry, warm place through the winter. They do well in any good garden-soil.

	EACH.	PER DOZ.
Conchiflora. Large yellow . . . . .	.05	.50
Grandiflora. Very large; deep crimson . . . . .	.05	.60
Grandiflora Alba. Pure white, the base of each division marked with reddish-brown spots on a yellowish ground; excellent . . . . .	.10	1.00



SUMMER BEDDING-PLANTS.

	DOZ	PER 100
Alternanthera Dwarf Scarlet	1.00	6.00
Alteranthera Dwarf yellow	1.00	6.00
Achyranthes Emersonii. Bright crimson	1.50	10.00
Achyranthes Collinsii. Green and white	1.50	10.00
Ageratum Dwarf blue . . . . .	.60	5.00
Alyssum Double White	1.00	6.00
Alyssum Variegated Foliage	1.00	6.00
Asters Assorted colors Double . . . . .	.50	4.00
Asters Zirngiebel's Double White. Original stock . . . . .	.50	4.00
Caladium Esculentum. Ornamental foliage	2.00	
Calendula Prince of Orange . . . . .	.50	4.00
Centaurea Gymnocarpa. Silvery foliage . . . . .	.50	4.00
Chrysanthemums. Annual sorts . . . . .	.50	4.00
Coleus. Fine varieties . . . . .	.60	5.00
Cobæa Scandens	1.00	8.00
Feverfew Double White	1.00	6.00
Feverfew Golden (Golden Feather). Yellow foliage . . . . .	.50	4.00
Fuchsias. 25 and 50 cents each		
Geranium Double. Varieties	1.50	10.00
Geranium Single, Gen. Grant. Bright scarlet	1.00	8.00
Geranium Single, Hytti. Purplish scarlet	1.00	8.00
Geranium Single, King Olga. Bright pink, white eye	1.00	8.00
Geranium Single, Mad. Salleroi. Silver leaved	1.00	8.00

——————

 SUMMER BEDDING-PLANTS (Continued).

	DOZ	PER 100
Heliotropes. Dark and light . . . . .	.60	5.00
Lantanas, in variety	1.00	8.00
Lobelia. Dark blue, for bedding . . . . .	.50	4.00
Marigold. (<i>Dwarf French</i>) . . . . .	.50	4.00
Mignonette. (<i>Large flowered</i>) . . . . .	.50	4.00
Nasturtiums, Dwarf. Assorted colors . . . . .	.50	4.00
Nicotiana. Fragrant white tubular flowers . . . . .	.50	4.00
Pansy, Improved Giant. Assorted colors . . . . .	.50	4.00
Pansy, Bugnots and Cassiers Excelsior. Finest grown	1.00	8.00
Petunia. Extra large flowered strain . . . . .	.50	4.00
Phlox Drummondii. Assorted colors . . . . .	.50	4.00
Poppies, Mikado, Ranunculus, and others . . . . .	.50	4.00
Ricinus. (<i>Castor Oil Plant</i>) . . . . .	.50	4.00
Salpiglossis Grandiflora. Large flowered sorts . . . . .	.50	4.00
Salvia Splendens. Best scarlet . . . . .	.75	6.00
Verbenas. Assorted colors . . . . .	.50	4.00
Zea Gracilima. Striped foliage for vases or massing . . . . .	.50	4.00
Zinnia, Dwarf Scarlet . . . . .	.50	4.00

HARDY PERENNIAL PLANTS.

The demand for this class of plants is increasing every season; and, while they cannot take the place of what are known as bedding-plants, they are exceedingly useful for those who wish to have flowers with but little trouble.

	HEIGHT.	EACH.
Adonis Vernalis. Large yellow flowers. <i>April</i>	1½ ft.	\$0.25
Alyssum Saxatile (<i>Golden Alyssum</i>). Yellow. <i>May</i>	6 in.	.25
Achillea Ptarmica fl. pl. Double white; nice for bouquets. <i>July to Nov.</i>	1 ft.	.20
Anemone Japonica Alba. Pure white, with yellow centre. <i>Sept. and Oct.</i>	3 ft.	.25
Anemone Japonica Rosea. Pink, with yellow centre. <i>Sept. and Oct.</i>	3 ft.	.25
Anemone Pulsatilla (<i>Pasque Flower</i>). Purple. <i>May</i>	8 in.	.20
Anthemis Tinctoria (<i>Chamomile</i>). Yellow. <i>July to Nov.</i>	2 ft.	.20
Anthemis Tinctoria Alba. White, with yellow centre. <i>July to Nov.</i>	2 ft.	.25
Aquilegia Canadensis (<i>Wild Columbine</i>). Red and orange. <i>June and July</i>	2 ft.	.20
Aquilegia Chrysantha (<i>Columbine</i>). Two shades of yellow. <i>June and July</i>	3 ft.	.30
Aquilegia Cœrulea (<i>Columbine</i>). Delicate blue and white. <i>June and July</i>	3 ft.	.35
Arabis Alpina. Very early white flowers. <i>May</i>	8 in.	.20
Armeria Farinosa (<i>Thrift</i>). Pink. <i>July and August</i>	6 in.	.20
Astilbe Japonica (<i>Spirea</i>). White flowers in pyramidal clusters. <i>June</i>	1 ft.	.20
Aster Nova Angliæ. Dark purple fragrant flowers. <i>September</i>	5 ft.	.20
Baptisia Australis. Blue flowers in long racemes. <i>June</i>	2 ft.	.20
Boltonia Lasiquame. Lavender aster-like flowers. <i>August to October</i>	3 ft.	.25
Campanula Carpatica (<i>Bluebell</i>). Bright blue. <i>June to August</i>	1 ft.	.20
Cassia Marilandica. Acacia-like foliage, with masses of bright yellow and black flowers. <i>July and August</i>	5 ft.	.20
Centaurea Calocephala. Dark magenta, very desirable. <i>June to August</i>	3 ft.	.35
Coreopsis Lanceolata. Large bright yellow flowers. <i>All summer</i>	2 ft.	.20
Daphne Cneorum. Evergreen trailer, fragrant pink flowers. <i>May to Nov.</i>	6 in.	.50
Delphineum Formosum (<i>Larkspur</i>). Deep blue. <i>June</i>	3 ft.	.25
Delphineum Formosum Cœlestinum. Sky blue. <i>June</i>	3 ft.	.25
Desmodium Japonicum. White. <i>September</i>	4 ft.	.35
Desmodium Penduliflorum. Bright rosy carmine. <i>September</i>	4 ft.	.35
Dianthus Barbatus (<i>Sweet William</i>). Fine colors. <i>June</i>	1 ft.	.20
Dicentra Eximia (<i>Bleeding Heart</i>). Pink flowers in clusters. <i>May to August</i>	1 ft.	.25
Dicentra Spectabilis (<i>Bleeding Heart</i>). Pink and white. <i>May to July</i>	2 ft.	.25

HARDY PERENNIAL PLANTS (Continued).

HEIGHT. EACH.

Dictamnus Fraxinella. Red and white varieties. <i>June and July</i>	2 ft.	\$0.30
Erysimum Pulchellum. Evergreen leaves, yellow flowers. <i>May</i>	6 in.	.25
Eupatorium Argeratoides. Fine white, good for cutting. <i>June</i>	3 ft.	.25
Funkia Lanceolata (<i>Day Lily</i>). Purple flowers. <i>August</i>	2 ft.	.20
Funkia Subcordata (<i>Day Lily</i>). White flowers. <i>All summer</i>	2 ft.	.30
Gentiana Acaulis (<i>Gentian</i>). Porcelain blue. <i>May</i>	3 in.	.50
Gentiana Andrewsii (<i>Gentian</i>). Dark blue. <i>August to September</i>	1½ ft.	.20
Helianthus Decapitalus (<i>Perennial Sunflower</i>). Small single. <i>Sept.</i>	5 ft.	.20
Helianthus Multiflorus fl. pl. (<i>Perennial Sunflower</i>). Double. <i>Sept.</i>	4 ft.	.20
Helianthus Orgyalis (<i>Graceful Sunflower</i>). Large single yellow. <i>October</i>	8 ft.	.30
Heleborus Niger (<i>Christmas Rose</i>). White and yellow stamens. <i>April</i>	1 ft.	.35
Hibiscus Flavescens. White, with dark crimson throat. <i>September</i>	3½ ft.	.35
Hibiscus Moschuetos. Light rose, large. <i>September</i>	4 ft.	.25
Iberis Gibraltarica (<i>Candytuft</i>). Large white, turning purple. <i>June</i>	6 in.	.25
Iberis Sempervirens (<i>Candytuft</i>). Pure white. <i>June</i>	6 in.	.20
Lathyrus Latifolius (<i>Perennial Pea</i>). Rose color. <i>May and June</i>	6 ft.	.25
Liatris Spicata (<i>Blazing Star</i>). Showy purple flowers. <i>July and August</i>	1½ ft.	.20
Lobelia Cardinalis (<i>Cardinal Flower</i>). Intense scarlet. <i>August</i>	1½ ft.	.25
Lychnis Chalcedonica (<i>London Pride</i>). Brilliant scarlet. <i>June and July</i>	2 ft.	.25
Lychnis Flos Cuculi (<i>Ragged Robin</i>). Double dark red. <i>June</i>	1 ft.	.20
Opuntia Vulgaris (<i>Prickly Pear</i>). Large light-yellow flowers. <i>July</i>	3 ft.	.20
Pæony. Named varieties. <i>June</i>	2 ft.	.50
Pæony, Tree. Dark and light shades	4 ft.	1.50
Papaver Orientale (<i>Poppy</i>). Scarlet, black at base of petals. <i>June</i>	2 ft.	.25
Pentstemon Barbatus Torreyi. Bright crimson. <i>July</i>	3 ft.	.25
Pentstemon Confertus. Purple, very pretty. <i>July</i>	2 ft.	.25
Phlox Decussata. Large variety of named sorts. <i>July to October</i>	3 ft.	.25
Phlox Sublata (<i>Moss Pink</i>). Pink flowers. <i>May</i>	6 in.	.20
Phlox Sublata Alba (<i>Moss Pink</i>). White flowers. <i>May</i>	6 in.	.20
Platycodon Grandiflora. Large, deep blue bell-flower. <i>June to August</i>	2 ft.	.25
Platycodon Grandiflora Alba. White variety of the preceding	2 ft.	.25
Pyrethrum Hybridum fl. pl. Various colors. <i>July</i>	1 ft.	.30
Pyrethrum Hybridum fl. pl. Single. Various colors. <i>July</i>	1 ft.	.25
Sempervivums (<i>House-leeks</i>). Several varieties . . . . .		.25
Veronica Longiflora. Spikes of light-blue flowers. <i>July</i>	3 ft.	.20
Veronica Reptans. Evergreen trailers, blue flowers. <i>June</i>	3 in.	.25

FRENCH TARRAGON (*Estragon*).

After many ineffectual attempts, we have secured a stock of plants of the true Tarragon. Seed imported under this name produced plants of a very similar appearance, but very unlike in flavor the plant we desired to procure; as the genuine Tarragon does not produce seed, we were obliged to import the roots, from which we have propagated a fine lot of strong plants. It is hardy herbaceous perennial, and is cultivated for its leaves and young shoots, both of which are used in salads, soups, pickles, etc. An infusion of the leaves in vinegar forms the famous Tarragon Vinegar, so highly esteemed as a fish-sauce. Plants in four-inch pots, 25 cts. each.

CHIVES.

The smallest and finest flavored of the onion family; the tops are extensively used in soups, stews, etc. Perfectly hardy, and increased by divisions in spring or fall. Put up in boxes of six clumps each, at 50 cents per box.

ASPARAGUS TENUISSIMUS.

An elegant evergreen climber with slender stems, smooth and numerous spreading branches; the white flowers are produced from the tips of the branchlets. It is a very handsome ornamental plant for house or greenhouse, and its feathery growths are extensively useful for cutting for decoration. Plants 25 cents each.



HYBRID PERPETUALS.

These roses are hardy and very free bloomers. We have added many new varieties, and our collection now includes the choicest kinds. A very rich soil is essential in growing roses, and it is well to apply a heavy dressing of manure in the fall. In the spring the bushes should be well cut back.

Dormant Plants, 30 cents each; \$3.00 per dozen, except where noted.

- Abel Carriere.** Brilliant purplish crimson.
Alfred Colomb. Bright light crimson; large.
Anna de Diesbach. Brilliant rosy pink, very large and showy.
Beauty of Waltham. Bright rosy crimson.
Boule de Neige. Pure white; good form.
Charles Lefebvre. Bright velvety scarlet.
Comtesse de Oxford. Bright shaded carmine large.
Crimson Bedder. Scarlet crimson; large.
Duke of Edinburgh. Vermilion; large.
Earl of Dufferin. Brilliant velvety crimson, shaded with dark maroon. An early, continuous, and late bloomer, very large and highly scented, each 75c.
Elie Morel. Rosy lilac, edged with white.
Etienne Levet. Crimson scarlet; large.
Exposition de Brie. Bright scarlet; large.
Fisher Holmes. Rich velvety crimson.
Francois Michelin. Deep rose; fine.
General Jacqueminot. Crimson scarlet.
Grand Mogul. Deep brilliant crimson, shaded with scarlet and black, large, full, of perfect shape and produced in great profusion; each 75c.
Glorie de Margottin. Dazzling red, the most brilliant yet known, large, full, and free bloomer; each 75c.
Jean Liabaud. Velvety crimson; rich.
John Hopper. Rose, with crimson centre.
Julius Finger. Pure white, tinged with pink in autumn.
Jules Margottin. Brilliant glossy pink.
La France. Bright lilac rose, silvery centre.
- Lady Helen Stuart.** Bright crimson scarlet, large, vigorous and profuse bloomer; each 75c.
Louis Van Houtte. Purplish scarlet; fine.
Mabel Morrison. Pure white, pink tinge.
Madame Baroness Rothschild. Light rose.
Madame Victor Verdier. Rich cherry red.
Madame Gabriel Luizet. Fine satiny rose.
Madame Lacharme. White; large size.
Madame Plantier. Hybrid China. Pure white, medium size, and free bloomer.
Marie Baumann. Bright carmine; large.
Merville de Lyon. Pure white, shaded with satiny rose; very large and double.
M'lle Annie Wood. Clear bright red; fine.
Mrs. Charles Wood. Brilliant red; large.
Mrs. Harry Turner. Dazzling crimson scarlet.
Mons. E. Y. Teas. Deep c erise red; large.
Paul Neron. Dark rose; large and full.
Pierre Notting. Dark red, violet tinge.
Prince Camille de Rohan. Velvety crimson.
Queen of Bedders. Rich bright crimson; fine.
Queen of Queens. Pink, with blush edges.
Reynolds Hole. Deep maroon, flushed scarlet.
Senateur Vaisse. Fine dazzling red.
Sir Garnet Wolseley. Vermilion, shaded.
Star of Waltham. Rich deep crimson.
Sultan of Zanzibar. Blackish maroon.
Ulrich Brunner. Cherry red, very large and full; vigorous.
White Baroness. Pure white.

MOSS ROSES.

Price 50 cents each.

- | | |
|--|---|
| <p>Baronne de Wassenaar. Deep rose, large and double.</p> <p>Comtesse de Murinais. Pure white, large, free bloomer.</p> <p>Cristata. Rose, beautifully mossed.</p> | <p>Little Gem. Deep crimson, double and beautifully mossed.</p> <p>Old Moss. Delicate rose, large, lovely in bud.</p> <p>White Bath. Paper white, large and full.</p> |
|--|---|

CLIMBING ROSES.

Price 50 cents each.

- | | |
|---|--|
| <p>Baltimore Belle. (<i>Prairie rose</i>). Almost white.</p> <p>Crimson Boursault. Brilliant purplish crimson.</p> <p>Dundee Rambler. White tinged with pink.</p> | <p>Inermis. Bright red.</p> <p>Seven Sisters. White, in clusters.</p> <p>Splendens. Flesh color, large and double.</p> <p>Sweet Briar. Single Pale Rose.</p> <p>Queen of Belgians. Pure white, double.</p> |
|---|--|

AUSTRIAN ROSES.

No Yellow Roses have as yet been introduced to supersede the Austrian for *hardiness*, profusion of bloom and richness of color. They make fine standards, and are also excellent for bedding. In pruning only the end of the shoots should be taken off, as if pruned close like other roses they will not bloom.

- | | | |
|--|-----------------------------------|---------------|
| Harrisonii (<i>Yellow Harrison</i>). | Golden Yellow, very free bloomer, | 30 cts. each. |
| Persian Yellow. | “ “ “ “ | 30 cts. each. |

CLEMATIS.



- | | EACH. |
|--|--------|
| Albert Victor. Deep lavender, with pale bars.
<i>May and June.</i> | \$0.50 |
| Anderson Henryi. Creamy white, large flowers.
<i>June and October.</i> | .50 |
| Countess of Lovlace. Double bright bluish lilac, sometimes producing single flowers the first season.
<i>June and July.</i> | .50 |
| Duchess of Teck. Pure white, with a delicate massive mauve bar down the centre on first opening.
<i>June and October.</i> | .50 |
| Fairy Queen. Large, pale flesh with pink bar in each petal, shaded purple at the base. <i>June and October.</i> | .50 |
| Jackmani Superba. The most magnificent Clematis grown; splendid violet purple flowers; four or five inches in diameter. <i>July and October.</i> | |

- | | |
|--|-----|
| Lawsoniana. Large, rosy purple with darker veins. <i>June and October.</i> | .50 |
| Lord Neville. Large, rich dark plum; very distinct. <i>June and October.</i> | .50 |
| Madame Van Houtte. White; extra fine. <i>June and October.</i> | .50 |
| Mrs. Geo. Jackman. Satiny-white, with a creamy bar. The frequent flowering of the young wood gives it the character of a perpetual bloomer. <i>May and June.</i> | .50 |
| Purpurea Elegans. Large, deep violet purple. <i>June and October.</i> | .50 |
| Venis Victrix. Fine double variety, delicate lavender, and beautiful formed flower. | .50 |

HOP VINE (*Humulus Lupulus*).

Hardy perennial twiner, suitable for growing on a trellis, or for covering walls, arbors, etc.
25 cents each; \$2.50 per doz.



HARDY VINES AND SHRUBS.

This class of plants does more for our gardens and grounds, to make them look attractive and homelike, than all other classes combined. It gives us beautiful foliage of many kinds, flowers from April to November, and clothes the lawn with that abundance of branches and leafage which is so necessary to any feeling of seclusion or privacy in our home grounds.

As taste improves, the demand for these friendly plants increases, and, from our ancestors beginning with the ancient lilac only, we now find many kinds to be necessities.

To all who desire to plant largely of hardy shrubbery, for landscape effect, or for any home adornment, we are prepared to supply the most desirable sorts of native or foreign shrubs, at very low prices, by the 100 or 1000.

Many things not specified in this list can be furnished at these special rates, which we will gladly give on application. Also competent advice on laying out the home grounds will be given by a gentleman of much experience in these matters, who will call and examine the place.

This will cost nothing to you if you buy your trees and shrubs of us, and is done in a spirit of cordial helpfulness to our good friends and patrons.

Actinidia Polygama. A strong climber, with thick, oval, glossy leaves, clusters of large white flowers, and bunches of crab-apple-shaped fruits. 50 cents and \$1.00 each.

Akebia Quinata. Rapid climber, with dark green leaves, and fragrant velvety purple flowers. 50 cents each.

Ampelopsis Quinquefolia (*Virginia Creeper*). Rapid climber. The leaves color very brilliantly in the fall. 25 and 50 cents each.

Ampelopsis Englemanni. A new Virginia creeper that clings to stone or wood as tightly as English Ivy. Highly useful. 25 cents each; \$20.00 per hundred.

Ampelopsis Veitchii (*Japanese Ivy*). Very fine for covering walls, rocks, etc. 25 and 50 cents each.

Aristolochia Sipho (*Dutchman's Pipe*). Heart-shaped leaves, the flowers resembling a pipe. \$1.00 each.

Bignonia Radicans (*Trumpet-Flower*). Large trumpet-shaped orange and red flowers; splendid climber. 50 cents each.

Bignonia Grandiflora. Enormous flowers of intense crimson and orange. 50 cents each.

Celastrus Scandens (*Bitter-sweet, Roxbury Wax-Work*). Native climbing plant; glossy leaves, yellow flowers, and clusters of orange capsuled fruit, which remains on all winter. 50 cents each.

Hop Vine (*Humulus Lupulus*). 25 cents each.

Lonicera Aurea Reticulata (*Variegated Japan Honeysuckle*). Leaves beautifully veined with yellow; cream-colored flowers. 50 cents each.

Lonicera Belgica (*Belgian Honeysuckle*). Fragrant red and buff flowers. 50 cents each.

Lonicera Halliana (*Hall's Japan Honeysuckle*). Flowers opening white and turning yellow; very delicate fragrance. Evergreen, best of all. 50 cents each.

Lonicera Sempervirens (*Trumpet Honeysuckle*). Crimson trumpet-shaped flowers. 50 cents each.


Wistaria Sinensis (*Chinese Wistaria*). One of the most elegant and rapid-growing climbing-plants; long pendulous clusters of pale-blue flowers in spring and autumn. 50 cents each.

Wistaria Sinensis Alba. Introduced by Mr. Fortune from China, and regarded as one of his greatest acquisitions. \$1.00 each.

Wistaria Multijuga. Clusters 2 to 3 feet long. Grand. 50 cents each.

 HARDY VINES AND SHRUBS (Continued).

- Amelanchier Canadensis** (*June-Berry*). Covered with white flowers in early spring; a valuable and pretty shrub. 50 cents each.
- Amygdalus Nana Rosea** (*The old Flowering Almond*). 50 cents each.
- Amygdalus Nana Alba** (*New White Flowering Almond*). 50 cents each.
- Amorpha Fruticosa** (*Indigo Bush*). Splendid grower in poorest soils; spikes of dark red blossoms. 50 cents each.
- Andromeda Racemosa**. One of the most exquisite of all our native shrubs, drooping racemes of white blossoms. 50 cents each.
- Aralia Spinosa** (*Hercules Club*). Grandly tropical looking, and very easy to grow in any soil. 50 cents each.
- Azalea Pontica** (*Ghent Azalia*). We have a good collection of named varieties, embracing all the shades. Perfectly hardy, and very effective upon lawns. \$1.00 to \$3.00 each.
- Azalea Mollis**. Flowers larger and more brilliant than the Ghent varieties. \$1.50 each.
- Barberry**. This is now planted extensively, and is highly ornamental all the year. 25 and 50 cents each. \$20.00 per hundred.
- Barberry Japanese**. Low growing and of exquisite beauty. 50 to 75 cents each.
- Calycanthus Florida** (*Spice Bush*). Flowers have pine-apple odor. 50 cents each.
- Chionanthus Virginica** (*White Fringe*). Delicate fringe-like, snow-white flowers, with large blue fruit in clusters. 50 cents and \$1.00 each.
- Crategus Oxyacantha** (*English Hawthorn*). Shrub or small tree, with double white flowers. Very ornamental. \$1.50 each.
- Crategus Oxyacantha. Scarlet**. Fine. \$1.50 each.
- Cornus** (*Red Dogwoods*). All the dogwoods are highly ornamental, and nothing is so effective in winter as their glowing crimson bark. They are *not* poison, as some suppose. 10 species. 25 to 50 cents each.
- Cornus Florida Rubra**. New red-flowering Dogwood, the most magnificent of all our native flowering trees, its blossoms are as large as magnolias and rosy red. \$1.00 to \$2.00 each.
- Deutzia Crenata**. Double white. Very popular. 50 cents each.
- Deutzia Crenata**. Double pink. 50 cents each.
- Deutzia Gracilis**. Pure white. Used for forcing. 50 cents each.
- Euonymus Atropurpureus** (*Burning Bush*). Light-green foliage, turning very brilliant in the fall. 50 cents each.
- Exochorda Grandiflora**. A large shrub with foliage almost as rich as that of the laurel, and with the most beautiful white blossoms possible to imagine, resembling single roses. 50 cents each.
- Forsythia Suspensa** (*Drooping Golden Bell*). Beautiful drooping habit; light-green leaves, with numerous bright-yellow flowers. 50 cents each.
- Hibiscus Syriacus** (*Althea, or Rose of Sharon*). We have varieties with purple, red, white, and variegated flowers. 50 cents each. Strong plants \$1.00 each.
- Hibiscus Syriacus Variegatus** (*Variegated Althea*). Foliage marked with white, yellow, and green. 75 cents each.
- Holyhocks**. Double assorted colors. 25 cents each. \$2.00 per dozen.
- Hydrangea Paniculata Grandiflora**. With immense panicles of large white flowers, turning to pink in the fall. Very fine. 50 cents each.
- Hypericum Aureum** (*Dandelion Bush*). New shrub with glossy leaves and flowers resembling dandelions; profuse bloomer. 50 cents each.
- Kalmia Latifolia** (*Mountain Laurel*). Known to all; beautiful. 50 and 75 cents each.
- Ligustrum Aureum** (*Golden Privet*). Bright, glossy, and decorative; a low round bush. 50 cents each.
- Laurus Benzoin**. Whole plant pleasantly fragrant, with bright yellow flowers, followed by red berries. 3 feet. 50 cents each.
- Magnolia Glauca**. Foliage small, flowers white; very fragrant. \$1.00 each.
- Magnolia Parviflora**. A dwarf sort with the most exquisite blossoms of any magnolia known. \$2.50 each.
- Pavia** (*Dwarf Horse Chestnut*). Elegant foliage and grand spike of crimson flowers. 50 and 75 cents each.

——————

 HARDY VINES AND SHRUBS (Continued).

- Philadelphus Aurea** (*Golden Syringa*). Dwarf bush, with leaves solid yellow, curiously shaded to white so as to resemble little paintings. 50 cents each.
- Philadelphus Coronarius** (*Mock Orange, or Sweet-scented Syringa*). Flowers in clusters; very fragrant. 50 cents each.
- Pyrus Japonica, or Cydonia Japonica** (*Japan Quince*). Showy shrub, with brilliant crimson flowers. 50 cents each. \$15.00 per hundred.
- Rhododendron**. With immense trusses of large flowers. We offer unnamed seedlings of very fine colors. \$1.50 each. Named varieties, \$2.00 each.
- Rhus Continus** (*Smoke-Tree*). Covered in midsummer with a profusion of dusky fringe-like flowers. 50 cents each.
- Ribes Aureum** (*Missouri Currant*). Flowers in racemes; yellow, with red eye; with very agreeable spicy fragrance. 50 cents each.
- Roses**. All the native wild roses. 25 cents each.
- Rubus Odoratus** (*Flowering Raspberry*). Immense foliage, and big purple flowers like roses; very sweet. 25 cents each.
- Sambucus Aurea** (*Golden Elder*). A strong bush; golden foliage all summer. 50 cents each.
- Spireas**. In many varieties. 25 to 50 cents each.
- Syringa Japonica** (*Tree Lilac*). *New*; growing 30 to 40 feet high, and produces clusters of white blossoms 16 inches wide and 24 inches long. \$1.00 to \$3.00 each.
- Syringa, "L. Spath."** The finest variety of the common lilac known; deep crimson; new; 4 feet. \$1.00 each.
- Syringa, "Frau Dammann."** Pure white; enormous clusters; best white lilac known; 4 feet. \$1.00 each.
- Syringa Vulgaris** (*Common Lilac*). Both colors. 50 cents each.
- Syringa Persica** (*Persian Lilac*). Fragrant lilac flowers. 50 cents each.
- Symphoricarpus Racemosus** (*Snowberry*). Small pink flowers, and large white berries, that remain on the plant through the winter. 50 cents each.
- Tamarix**. A most graceful shrub, with feathery foliage and countless pink blossoms; 4 feet. 50 cents each.
- Viburnum Opulus Sterilis** (*Snowball-tree*). Well-known shrub. 50 cents each.
- Viburnum Plicatum** (*Japanese Snow-Ball*). The grand new variety from Japan, far superior to the old. 75 cents each.
- Viburnum Opulus** (*High-bush Cranberry*). White flowers, and edible red berries. 50 cents each.
- Weigelia Alba**. Dwarf habit; pure white flowers. 50 cents each.
- Weigelia Rosea**. Fine rose-colored flowers. 50 cents each.
- Weigelia Rosea Variegata**. Variegated foliage, pink flowers. 50 cents each.
- Yucca Filamentosa** (*Adam's Needle*). 50 cents each.



LARGE AND SMALL FRUITS.

APPLES.

Our principal stock consists of the following varieties, which have been well proved, and can be recommended as the best in cultivation. As we cannot here give complete directions on all points connected with tree-planting, it is essential that every purchaser of trees should put himself in possession of some good treatise on tree-culture, that will furnish him with full and reliable instructions on their management.

Ordinary sized trees, 6 to 7 ft., 50 cents each; extra large trees, 7 to 9 ft., \$1.00 each.

SUMMER APPLES.

- Early Harvest.** Medium size, yellow, tender, and mild, fine flavor. *August.*
- Primate.** Medium size, pale yellow, with a blush; flesh white, tender, and sub-acid. *August.*
- Red Astrachan.** Large, red; flesh white, tender, pleasant acid; popular eating-variety. *August.*
- Sweet Bough.** Large, pale yellow; flesh white, tender, and crisp, with a rich, sweet, and sprightly flavor. *August to September.*
- Summer Pippin.** Medium size, conical, yellowish; rich, sub-tart flavor. *August to September.*
- Tetofsky.** Medium size, yellow ground, striped with red; juicy, sprightly, acid, and agreeable. *July to August.*
- Yellow Transparent.** Of Russian origin, medium size, slightly acid; great bearer and good form. *Early.*
- Williams' Favorite.** Large, often oblong, red, with darker stripes; white flesh with red veins, mild acid, pleasant melting texture. *August to September.*

AUTUMN APPLES.

- Alexander.** One of the largest, round, yellow ground, crimson stripe, a little russet on some near the stem; juicy and good. *October to November.*
- Duchesse of Oldenburg.** A large, beautiful Russian apple, roundish, streaked red and yellow; tender, juicy, and quite acid. *September.*
- Fall Pippin.** Very large, green, often ribbed; turns to a yellow when ripe; pleasant sub-acid. *October to December.*
- Gravenstein.** Large, flattish, yellow ground, handsomely striped with red; flesh yellow, crisp, of unsurpassed flavor. *September to November.*
- Jersey Sweet.** Good size, striped; rich, juicy, and sweet. *September to October.*
- Maiden's Blush.** Medium size, flat, pale yellow, with red cheek; tender and pleasant. *October.*
- Porter.** Large, oblong, yellow; flesh tender and of excellent flavor. *September.*

WINTER APPLES.

- Baldwin.** Large, red, often much yellow; crisp, juicy, and rich; most popular winter variety in the market. *December to March.*
- Canada Red.** Medium size, red, with some yellow; mild, sub-acid, white, melting flesh. *December to March.*
- Danvers Winter Sweet.** Smooth, yellow fruit; juicy, and one of the best for baking. *December to March.*
- Fameuse (Snow Apple).** Medium size, round, deep crimson; tender, white flesh, juicy and delicious. *November to January.*

—◆◆◆—

WINTER APPLES (Continued).

- Golden Russet.** Medium size, dull russet, with a tinge of red on the exposed side; crisp, juicy, and high flavored. *November to April.*
- Hubbardston Nonesuch.** Large, striped yellow and red; tender, crisp, juicy, and fine. *November to January.*
- Hunt's Russet.** Medium size; rich, juicy, pleasant, and tender white fine-grained flesh; very fine. *December to April.*
- King of Tompkins County.** Very large, ribbed or angular, striped red and yellow; superior flavor. *December to April.*
- Ladies' Sweet.** Large size, yellow ground, with dull red over most of the surface; flesh white, firm, and a rich sweet. *December to April.*
- Mother.** Large, striped with mottled red; very tender, juicy, and high-flavored; one of the best. *November to February.*
- Mann.** Large yellow, with dots; a rich, pleasant, and juicy variety. *January to May.*
- Northern Spy.** Very large, striped; sub-acid, very fresh in the spring; excellent. *December to May.*
- Pewaukee.** Large yellow, striped; tender, tart, and handsome. *January to May.*
- Rhode Island Greening.** Well-known and desirable; superior as a cooking as well as an eating apple. *December to February.*
- Roxbury Russet.** Medium to large; good quality. *March to June.*
- Twenty Ounce.** Very large, striped, round; pleasant and juicy. Late fall and early winter.
- Talman Sweet.** Medium size, clear yellow, with a distinct line over one side; rich, sweet, excellent for cooking. *December to April.*
- Wealthy.** Much like the Fameuse. Very hardy and vigorous. *December to February.*

CRAB-APPLES.

- Dartmouth.** Dark crimson or orange, with bloom.
- Hyslop.** Dark crimson, above the size of most crabs.
- Red Siberian.** Striped, conical, early and abundant bearer.
- Transcendent.** Yellow, with red stripe; one of the most popular.
- Yellow Siberian.** Clear yellow, conical, very fine.

PEARS.

Price \$ 1.00 and \$ 2.00 each, according to size.

SUMMER PEARS.

- Bartlett.** Large, buttery, melting; very popular. Ripe in September.
- Belle Lucrative.** Medium size; very sweet and melting. *September.*
- Clapp's Favorite.** Resembling the Bartlett, larger, and a few days earlier. *September.*
- Doyenne d'Ete.** Rather small, round, and very sweet. *Aug. 1.*

AUTUMN PEARS.

- Bosc.** Large, long, russet color, high flavor. *October to November.*
- Buffum.** Medium size, brown and yellow; sweet. *October.*
- Comice.** Large, melting, rich, perfumed, and luscious. *October to November.*
- Flemish Beauty.** Large and melting; very fine. *October.*
- Keiffer's Hybrid.** Large yellow; flesh white, buttery, and juicy. *October to December.*
- Louise Bonne.** Medium size; yellow, with dark-red cheek; melting, buttery, and rich. *October.*
- Sheldon.** Large, round, russet; very rich, sweet, and melting. *October.*
- Seckel.** Small, but of the highest flavor; excellent. *September to October.*

WINTER PEARS.

- D'Anjou.** Large, very buttery, and rich flavor. *November to January.*
Clargeau. Very large; highly recommended. *October to December.*
Dana's Hovey. Medium size, and finest quality. *November to January.*
Duchesse. Very large, juicy, rich flavor. *October to December.*
Josephine de Malines. Large, yellow; juicy, superior quality. *January to March.*
Lawrence. Medium size; yellow, thickly dotted; rich, sweet, and juicy. *November to January.*
Vicar. Very large, smooth; best for cooking; keeps all winter.
Winter Nelis. Medium size, brownish russet; melting and buttery; one of the best.

QUINCES.

Price 75 cents each.

- Champion.** Very large; flesh tender; early and productive. \$1.00 each.
Mammoth. Large; fine form and color.
Orange. Large; roundish, bright golden yellow; fine flavor.

CHERRIES.

Price \$1.00 each.

- Black Tartarian.** Large, purplish black; rich and juicy. *June and July.*
Black Eagle. Large, dark red; tender and juicy. *June and July.*
Black Heart. Good size, black; tender and juicy. *July.*
Coe's Transparent. Medium size, amber and light red; rich. *June and July.*
Downer's Late Red. Large, light red; juicy and delicious. *July.*
English Morello. Dark red, fine; continues through August.
Early Richmond. Medium size, dark red; melting and juicy. *Last of June.*
Gov. Wood. Large, light yellow, red cheek; sweet and juicy. *Last of June.*
Late Duke. Large, pale red; juicy and rich. *July and August.*
May Duke. Large, dark red; rich. *June.*
Rockport Bigarreau. Large, amber and light red; sweet. *Early June.*

PEACHES.

Price 30 and 50 cents each, according to size.

- Alexander.** Medium size, red. *Early July.*
Amsden's June. Medium size; from Missouri. *July.*
Crawford Early. Large, yellow, fine red cheek. *First of September.*
Crawford Late. Large, yellow, dull red cheek. *Last of September.*
Coolidge Favorite. White, crimson cheek; rich, high flavored. *Last of August.*
Early York. Medium size, greenish white; very tender. *Last of August.*
Foster. Orange red; rich and juicy. *August.*
George IV. Large, white, red cheek; melting, juicy, and rich. *Last of August.*
Hale's Early. Medium size, good quality. *Last of July.*
Old Mixon Free. Large, pale yellow, deep-red cheek; fine. *September.*
Red Rareripe. Large, yellow and red; juicy, rich, and melting. *September.*
Stump of the World. Very large; juicy and fine. *Last of September.*
Yellow Rareripe. Large, yellow; melting and juicy. *Last of August.*

MULBERRIES.

- Downing's Everbearing.** Large, black; sweet and rich. \$1.00 each.
Russian. Large, black; rich; sprightly acid. 3 to 4 ft., 50 cents each; 6 to 7 ft., \$1.00 each.
White. Sweet, yellowish fruit, one to one and a half inches long. 50 cents to \$1.00 each.

PLUMS.

Price \$1.00 and \$2.00 each.

- Bradshaw.** Large, reddish purple; rich and juicy. *August.*
Coe's Golden Drop. Very large, oval, yellow dotted with red; rich. *September.*
Damson. Small, purple; juicy and tart; fine for preserves.
General Hand. Very large, golden yellow; sweet. *September.*
German Prune. Medium, oval, purple; rich and juicy. *September.*
Imperial Gage. Large, oval, pale green; sweet and juicy. *September.*
Jefferson. Large, greenish yellow, red cheek; high flavored. *August.*
Lombard. Medium, violet red; juicy and pleasant. *August.*
Reine Claude de Bavay. Large, greenish yellow; rich and juicy. *End of September.*
Shippers' Pride. New, oval, blue; great bearer and vigorous. *August.*
Smith's Orleans. Large, reddish purple; juicy, rich, and fine. *August.*
Washington Bolmer. Large, round, yellow; juicy and delicious. *End of August.*

APRICOTS.

Price 50 cents each.

- Breda.** Small, dull orange, marked with red. *First of August.*
Early Golden. Small, pale orange; sweet and juicy. *Last of July.*
Moorpark. Large, yellow, with red cheek; sweet and juicy. *August.*

NECTARINES.

Price 50 cents each.

The nectarine is a most delicious smooth-skinned peach.

- Boston.** Large, bright yellow, red cheek; sweet and pleasant. *Sept. 1.*
Early Newington. Large, pale green; rich and juicy.
Stanwick. An English variety.

CURRANTS.

- Black Naples.** Very large, black; rich and tender. \$1.50 per dozen.
Cherry. Large, deep red; rather acid; short bunches. 1 year, \$1.00 per dozen; 2 year, \$2.00 per dozen; \$6.50 per hundred.
Fay's Prolific. Powerful bearer; long clusters of large berries. 35 cents; \$3.00 per dozen.
La Versailles. Very large, red; long bunches; one of the best. 1 year, \$1.00 per dozen; 2 year, \$2.00 per dozen; \$6.50 per hundred.
Victoria. Large, red; very productive; fruit remains on late. \$1.50 per dozen.
White Grape. Very large, yellowish white; mild acid. \$1.50 per dozen.
White Dutch. Very sweet, white variety. \$1.50 per dozen.

BLACKBERRIES.

- Early Wilson.** Large, sweet, and very productive. \$1.00 per dozen; \$6.00 per hundred.
Early Harvest. Medium size; very productive and early. \$1.00 per dozen.
Early Cluster. Extremely early; hardy and productive. \$2.00 per dozen.
Wilson, jun. Larger, earlier, and better than Wilson. \$2.00 per dozen.
Kittatinny. Large, sweet, and very hardy. \$1.00 per dozen; \$6.00 per hundred.
Snyder. Medium size and best quality. \$1.00 per dozen; \$6.00 per hundred.
Wachusett. Few thorns, and very fruitful. \$1.00 per dozen; \$6.00 per hundred.

RASPBERRIES.

- Cuthbert.** Clear red; firm; sprightly acid; very fine. \$1.00 per dozen; \$6.00 per hundred.
Philadelphia. Large, red; profitable market berry. \$1.00 per dozen.
Turner. Red; hardy, vigorous, and prolific. \$1.00 per dozen.
Superb. Large, dark red; finest quality. \$1.50 per dozen.
Hansel. Very early; bright crimson; firm and productive. \$1.00 per dozen.
Brinckle's Orange. Pinkish orange; none better in quality. \$1.50 per dozen.
Gregg (Black Cap). Large, fruitful; excellent quality. \$1.00 per dozen.
Souhegan (Black Cap). Very large, clear black; superior quality. \$1.00 per dozen.
Marlboro'. Very large, bright red; immense bearer and early. \$1.00 per dozen.

GOOSEBERRIES.


- Downing's Seedling.** Light green, smooth, soft, and juicy. \$1.50 per dozen.
Houghton's Seedling. Pale red, tender; sweet and delicate flavor. \$1.50 per dozen.
Smith's Seedling. Large, light green, firm; sweet and fine. \$1.50 per dozen.
Industry. Largest, most productive, and best sort known. 25 cents each; \$2.50 per dozen.

STRAWBERRIES.

	PER 100.
Belmont. Large, crimson, oblong, solid, sweet, extra flavor and quality, late	\$1.00
Bidwell. Crimson; good size and fine quality. <i>Early</i>	.75
Charles Downing. Large; uniform size and superior quality. <i>Late</i>	.75
Champion. Large; spicy acid flavor; one of the best. <i>Late</i>	.75
Crescent Seedling. Medium size; bright scarlet; very vigorous. <i>Early</i>	.75
Glendale. Large, firm, and of good quality. <i>Late</i>	.75
James Vick. Good size, very productive, and fine for market. <i>Late</i>	1.00
Kentucky. Good size and delicious flavor. <i>Late</i>	.75
Miners' Prolific. Large, deep red; very productive. <i>Late</i>	1.00
Manchester. Large, scarlet; best medium to late sort	1.00
Mrs. Garfield. Good size, rich color, and fine flavor. <i>Medium early</i>	1.00
Monarch of the West. Large and productive; one of the best	.75
Mount Vernon. Very large; delicious flavor. <i>Very late</i>	.75
Old Iron Clad. Large, bright color; prolific. <i>Very early</i>	1.00
Seth Boyden. Large, bright, and rich sub-acid; excellent	.75
Sharpless. One of the best. <i>Medium early</i>	.75
Triomphe de Gand. Well-known excellent sort	.75
Wilson. One of the most popular	.75
Windsor Chief. Large and fine late sort	1.00

GRAPES.

- Brighton.** Excellent quality; bunches large; berries of medium size, dark red, sweet, and tender; early and good bearer. 50 cents to \$1.00 each.
Concord. Well-known, fine, early variety; very popular. 25 to 50 cents each.
Delaware. Small, light-red berries; sweet, juicy, and delicious flavor. 50 cents each.
Dracut Amber. Dark amber, large, oval berry; compact bunches. 50 cents each.
Eaton. This is the great black grape raised by the late J. B. Moore, and awarded a silver medal by the Massachusetts Horticultural Society. It is the most promising black grape yet produced from a native source. \$1.50 each.
F. B. Hayes. White, hardy, and productive; large clusters; sweet. 50 cts. to \$1.00 each.
Jefferson. Very vigorous, hardy, and productive; berries large, light red; solid, tender, juicy, sweet, and spicy. 50 cts. to \$1.00 each.
Moore's Early. Berries large and black; seedling from the Concord, and from ten to fifteen days earlier; winner of the \$60.00 gold prize from the Massachusetts Horticultural Society. Our stock is direct from the originator. 35 and 50 cents each.

——

GRAPES (Continued).

- Moore's Diamond.** A white grape of the highest quality, and of a vigor equal to the Concord, now well known, and largely planted; 3 years, in bearing. \$1.00 each.
- Niagara.** A white grape of astonishing productiveness and good quality. 75 cents and \$1.00 each.
- Potter's Sweet.** A black grape with round clusters and a delicious sweetness. This is the sweetest grape ever originated in America, and makes a great advance in our native grapes. 1 year, \$1.00; 2 years, \$2.00 each.
- Prentiss.** Berry medium to large, yellowish green; flesh tender, sweet, melting, juicy, with pleasant musky aroma. 50 cents each.
- Pocklington.** Large golden-yellow berry, in large clusters; sweet, and of very best quality. 50 cents to \$1.00 each.
- Rogers No. 9 (Lindley).** Resembles Diana; ripens soon after Delaware. 50 cents each.
- Rogers No. 15 (Agawan).** Dark purplish red, large, early, and vigorous. 50 cents each.

CONIFEROUS TREES.

SPRUCES AND FIRS.

- Abies Alba (White Spruce).** 2 ft., 50 cents each.
- Abies Alba Glauca (Blue Spruce).** Beautiful. 2 ft., \$1.50 each.
- Abies Canadensis (Hemlock Spruce).** 2 ft., 50 cents; 4 ft., \$1.00 each.
- Abies Excelsa (Norway Spruce).** 1½ ft., 30 cents; 2 to 3 ft., 50 cents each.
- Abies Balsamea (Balsam Fir).** 3 to 4 ft., 50 cents each.
- Picea Pungens (Colorado Blue Spruce).** This is the most beautiful and the most hardy spruce in cultivation. Its wonderful beauty is not easily told. Sky blue in color,—the pride and boast of the amateurs in fine trees. We offer trees from the well-known collection of F. L. Temple, grafted from the bluest known specimens. Price, 4 years from graft, good shape, \$3.00 to \$4.00 each.

JUNIPERS.

- Juniperus Communis (Common Juniper).** 50 cents each.
- Juniperus Hibernica (Irish Juniper).** 2½ ft., 75 cents; 3 ft. or more, \$1.00 each.
- Juniperus Virginiana (Red Cedar).** 2 ft., 50 cents; 3 ft., 75 cents each.
- Juniperus Suecica (Swedish Juniper).** 3 ft., 75 cents to \$1.00 each.

PINES.

- Pinus Austriaca (Austrian Pine).** 2 ft., 50 cents each.
- Pinus Mugho (Dwarf Pine).** 1½ ft., 50 cents; 2 ft., 75 cents each.
- Pinus Resinosa (Red or Norway Pine).** 1½ ft., 50 cents each.
- Pinus Strobus (White Pine).** 2½ ft., 50 cents; 3 to 4 ft., \$1.00 each.
- Pinus Sylvestria (Scotch Pine).** 2 to 3 ft., 50 cents; 5 to 7 ft., \$1.50 each.

LARCHES.

- Larix Americana (Hackmetack).** 3 to 4 ft., 50 cents each.
- Larix Europæa (Scotch Larch).** 3 to 4 ft., 50 cents; 6 ft., \$1.00 each.

ARBOR VITÆS.

- Thuja Occidentalis (American).** 2½ to 3½ ft., 50 cents; 4 to 5 ft., \$1.00 each.
- Thuja, Cloth of Gold.** Yellow foliage. 50 cents each.
- Thuja Filifera Pendula (Weeping).** Quite rare. \$1.00 each.
- Thuja Globosa.** Never grows over 4 ft.; globular habit. 1 ft., 50 cents each.
- Thuja Pyramidalis.** Very upright habit, bright foliage. 2 ft., 75 cents each.
- Thuja Siberica (Siberian).** Compact and pyramidal. 2 ft., 50 cents each.
- Thuja Woodward.** Awarded silver medal by Massachusetts Horticultural Society. We recommend it for lawns, borders to broad walks, and hedges. 12 inches, 50 cents; 15 to 18 inches, \$1.00; 2 to 2½ ft., \$1.50 each.

 DECIDUOUS SHADE-TREES.

MAPLES.

- Acer Campestre** (*English Cork-Bark Maple*). 3 to 4 ft., 50 cents each.
Acer Dasycarpum (*Silver-leaf Maple*). 6 to 8 ft., 50 cents; 9 to 10 ft., \$1.00 each.
Acer Pennsylvanicum (*Striped Maple*). 3 to 4 ft., 50 cents each.
Acer Platanoides (*Norway Maple*). 6 to 8 ft., 75 cents; 9 to 11 ft., \$1.00 each.
Acer Pseudo-Platinus Purpurea (*Purple-leaved Maple*). \$1.50 each.
Acer Saccharinum (*Rock, or Sugar Maple*). 7 to 9 ft., 50 cents; 10 to 12 ft., \$1.00 each.
Acer Rubrum (*Red, or Scarlet Maple*). 6 to 8 ft., 75 cents; 12 ft., \$1.50 each.
Acer Polymorphum (*Japan Maples*). These are the most wonderful and beautiful miniature trees in existence. The colors of the foliage are red, pink, purple, and golden, and the leaves are various forms from delicate skeleton to very broad ones. Perfectly hardy anywhere. \$2.00 to \$3.00 each.
Æsculus Hippocastanum Rubicunda. Red flowering horse-chestnut. A hybrid of the two first named. Small, 75 cents; 6 ft., \$2.00 each.

HORSE-CHESTNUTS.

- Æsculus Glabra** (*Ohio Buckeye*). Quite rare in New England. \$1.00 each.
Æsculus Hippocastanum (*Horse-Chestnut*). 6 ft., \$1.00 each.

SWEET CHESTNUTS.

- Castanea Vesca Americana**. 3 to 4 ft., 50 cents each.

BIRCHES.

- Betula Lenta** (*Sweet, or Black Birch*). 5 to 6 ft., 75 cents each.
Betula Lutea (*Yellow Birch*). 4 to 6 ft., 75 cents each.
Betula Papyracea (*Pepper, or Canoe Birch*). 4 to 5 ft., 75 cents; 8 ft., \$1.50 each.
Betula Papyracea Laciniata Pendula (*Weeping Cut-leaved Birch*). 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.50; 8 ft., \$2.00 each.
Betula Rubra (*Red Birch*). 3 to 4 ft., 50 cents; 5 to 6 ft., \$1.00 each.

CATALPA.

- Catalpa Speciosa**. 4 to 5 ft., 50 cents; 6 to 8 ft., \$1.00 each.
Catalpa Speciosa Purpurea. Beautiful novelty, with black purple leaves. \$1.00 each.
Catalpa Speciosa Aurea. A dwarf form, with rich golden leaves. These last two are a grand contrast and grow rapidly. 50 cents to \$2.00 each.

HICKORY.

- Carya Alba** (*Shelbark Hickory*). Valuable timber-tree. 1½ to 2 ft., 50 cents; 2½ to 4 ft. \$1.00 each.

LOCUST.

- Robinia Pseud-Acacia** (*Locust, or False Acacia*). 5 to 6 ft., 50 cents each.
Robinia Viscosa (*Clammy Locust*). 4 to 5 ft., 50 cents each.

LINDEN, or LIME.

- Tilia Americana** (*Basswood*). 5 to 6 ft., 50 cents; 7 to 9 ft., \$1.00 each.
Tilia Europæa (*European Linden*). 6 to 7 ft., 50 cents; 8 to 9 ft., \$1.00 each.

ELMS.

- Ulmus Americana** (*White Elm*). 7 ft., 50 cents; 9 to 10 ft., \$1.00 each.
Ulmus Campestris (*English Elm*). 6 to 7 ft., 50 cents; 8 to 10 ft., \$1.00 each.
Ulmus Montana (*Scotch Elm*). 5 to 6 ft., 50 cents each.
Ulmus Montana Pendula (*Scotch Weeping Elm*). 6 ft., \$2.00 each.

BEECHES.

- Fagus Ferruginea** (*American Beech*). 3 to 4 ft., 50 cents each.
Fagus Sylvatica (*European Beech*). 1½ to 2 ft., 50 cents each.
Fagus Sylvatica Pendula (*Weeping Beech*). \$2.00 to \$3.00 each.
Fagus Sylvatica Purpurea (*Purple Beech*). 4 ft., \$1.00; 7 to 8 ft., \$2.00; 12 ft., \$5.00 each.

JUDAS-TREE.

- Cercis Canadensis**. 2 to 3 ft., 50 cents; 6 ft., \$1.00 each.

ASHES.

- Fraxinus Americana** (*White Ash*). 5 to 7 ft., 50 cents; 10 ft., \$1.00 each.
Fraxinus Excelsior Pendula (*Weeping Ash*). \$2.00 each.
Fraxinus Excelsior Laciniata (*Cut Leaf*). 8 ft., \$2.00 each.

TULIP-TREE.

- Liriodendron Tulipifera**. 2 to 3 ft., 50 cents each.

POPLARS.

- Populus Alba** (*Silver-leaved Poplar*). 5 to 7 ft., 50 cents each.
Populus Balsamifera Candicans (*Balm of Gilead*). 5 to 6 ft., 50 cents each.
Populus Dilatata (*Lombardy Poplar*). 4 to 6 ft., 50 cents; 8 to 10 ft., \$1.00 each.
Populus Monilifera (*Cotton Wood*). 8 ft., 50 cents; 10 ft., 75 cents; 12 ft., \$1.00 each.
Populus Tremuloides (*Aspen*). 50 cents each.
Populus Aurea (*Golden*). 10 ft., \$2.00 each.

MOUNTAIN-ASH.

- Sorbus Aucuparia** (*European Mountain-Ash*). 6 ft., 50 cents; 7 to 9 ft., \$1.00 each.
Sorbus Aucuparia Quercifolia (*Oak-leaved Mountain-Ash*). 7 ft., \$1.50 each.
Sorbus Aucuparia Pendula (*Weeping Mountain-Ash*). \$1.50 each.

OAKS.

- Quercus Alba** (*White Oak*). 3 to 4 ft., 50 cents each.
Quercus Macrocarpa (*Burr Oak*). 2 ft., 50 cents each.
Quercus Prinos Monticola (*Chestnut Oak*). 2 to 3 ft., 50 cents each.
Quercus Robur (*Royal English Oak*). 4 ft., 50 cents each.
Quercus Rubra (*Red Oak*). 4 ft., 50 cents each; 6 to 9 ft., \$1.00 each.

BRASS SYRINGES.



- | | | |
|---------|---|--------------|
| No. 0. | 12½ inches long, 1⅝ inches diameter, with one spray rose | Each, \$2.25 |
| No. 00. | 14 inches long, 1½ inches diameter, with one spray rose | Each, 3.00 |
| No. 1. | 12½ inches long, 1 stream, and one spray rose | Each, 1.50 |
| No. 2. | 13½ inches long, 1⅝ inches diameter; with one stream, and two spray roses. (The two roses, when not in use, are screwed on the sides of the barrel, as shown in cut.) | Each, 4.75 |
| No. 3. | 18 inches long, 1½ inches diameter; best plate valve syringe; large size with one stream and two spray roses. (Side-pieces on barrel.) | Each, 7.00 |

FLORISTS' SUPPLIES, ETC.

BOUQUET WIRE.

Florists' Bright Wire. Nos. 23 and 24 \$ 1.30 per stone of 12 lbs.

TIN-FOIL.

Prices variable.

For Florists' use 16 cents per lb.

Prices for larger quantities on application.

WOOD LABELS.

	PLAIN, PER 100.	PLAIN PER 1000.	PAINTED, PER 1000.
4 inch Pot-Label	\$0.15	\$0.60	\$0.80
4½ inch Pot-Label . . . . .	.15	.70	.90
5 inch Pot-Label . . . . .	.15	.80	1.00
6 inch Pot-Label . . . . .	.15	1.00	1.20
3½ inch Tree-Label . . . . .	.15	.60	.80
3½ inch Tree-Label (Iron Wired) . . . . .	.15	1.00	1.25
3½ inch Tree-Label (Copper Wired) . . . . .	.20	1.50	1.75
8 inch Garden-Label . . . . .	.40	3.50	
12 inch Garden-Label . . . . .	.50	4.50	

We wish to call attention to our painted labels, which are not merely oiled, but PAINTED WITH WHITE LEAD.

EXCELSIOR WEEDER.

A very useful implement for eradicating weeds when first starting into growth, but more especially useful (in our experience) for loosening the soil in borders and beds where a larger tool could not be used. Price 10 cents each. By mail, 15 cts. each.

LANG'S WEEDER.

The best and only weeder made which has a band passing over the fingers, thus giving perfect use of the hand for pulling weeds and thinning out plants without laying down the tool. The hand and fingers are as free as though no tool were being held. With it one-third more weeding can be done in a day than with any other weeder. It commends itself to every one who uses or sees it. It is neatly and strongly made of the best spring-steel, and will hold a sharp edge. Highly praised by market-gardeners and florists. Price 25 cents each; by mail, 30 cents each.



Excelsior Weeder.



VERBENA BASKETS.

	PER 100.	PER 1000.
Marston's Pattern. Adjustable wooden handles with tin fastenings on the ends. 10 in. long; 5 in. wide; 3 in. deep	\$ 2.00	\$ 18.00
Marston's Pattern, large size. 12 in. long; 7 in. wide; 4 in. deep	3.00	25.00



SULPHUR BELLOWS.

Very useful in applying sulphur, hellebore, insect powder, etc., to plants.

	EACH.
French. A superior imported bellows	\$ 1.50
American. A greatly improved bellows	75 cents, 1.00, and 1.25

TYING MATERIALS.

Roffea. A new material, very soft and pliable, and exceedingly strong	Per lb., 30 cents.
Soft Twine. Very strong, and handy for general use in the garden, for tying up vines, plants, etc. : large balls	Each, 25 cents.

INSECT EXTERMINATORS.

Bridgford's Antiseptic Liquid. For removal of all parasites and insects injurious to plants. An English preparation, put up in bottles	Each, 75 cents.
Geel's Compound. For the destruction of greenhouse and garden insects, mealy bug, scale, etc. Highly recommended	½ lb. box, \$ 0.50; 1 lb. box, \$ 1.00
Gishurst Compound. An English preparation for destroying scale, mealy bug, red spiders, thrip, etc., put up in boxes	Each, 60 cents.
London Purple. For destroying potato-bugs	per lb., 15 cents.
Mildew Mixture. A sure preparation for destroying mildew. Use half a wineglassful of the mixture to a gallon of water. Pint bottles	Each, 75 cents.
Paris Green. For destroying potato-bugs	per lb., 25 cents.
Slug Shot. For destroying potato-bugs, squash-bugs, etc.	5 lbs., 30 cents; 10 lbs. 50 cents.
Tobacco Stems. For fumigating. In sacks of about 50 pounds	3 cents per lb. Smaller quantities, 5 cents per lb.
Tobacco Soap. For destroying vermin on animals and plants	½ lb., 20 cents; 1 lb., 35 cents.
Whale Oil Soap. The pure article, in pound bars, with directions for use	Each, 15 cents.
Whale Oil Soap. The pure article, in two-pound boxes, with directions for use	Each, 25 cents.
Whale Oil Soap. The pure article, in five-pound boxes, with directions for use	Each, 60 cents.
Whale Oil Soap. The pure article, in ten-pound boxes, with directions for use	Each, \$ 1.00
White Hellebore Powder. For destroying the currant worm	per lb., 30 cents.
Persian Insect Powder. For the destruction of vermin	per lb., 50 cents.
Sulphur. Flowers of. For burning or using dry	5 lb. package 25 cents.

SOLUBLE FIR-TREE OIL INSECTICIDE.

For destroying all insects and parasites that infest fruit-trees, plants, and animals, whether on the foliage or at the roots; such as mealy bugs, American blight, red spider, scale, thrip, green and black fly, woolly aphis, caterpillars, grubs, ants, worms, lice, fleas, etc.

Fir-Tree Oil does not contain any poisonous properties, being perfectly harmless to the hands and skin when used as an insecticide, or when applied for destroying parasites on animals or man, and when used as a wash for dogs and other animals.

Small Bottle, 25c; Half-Pint, 50c.; Pint, 75c.

Quart, \$1.25; Two Quarts, \$2.00; Four Quarts, \$3.50.

SPECIAL PRICE ON LARGE QUANTITIES.

Flour of Tobacco and Sulphur.

Prevents mildew, destroys the green and black fly on plants, and lice and fleas on animals.

25 cents per package, 35 cents by mail. With each package we give one of the *Insect Powder Guns*, (see cut), in 5 lb. 10 lb. and 25 lb. boxes. 10 cents per lb.

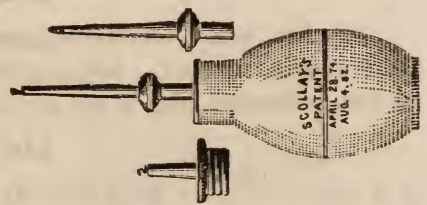


MAMMOTH POWDER GUN.

15 cents each.

SCOLLAY'S VALVULAR PLANT-SPRINKLER.

Made of rubber, with flat bottom, and a detachable brass top, finely perforated; very useful in window-gardening, sprinkling bouquets, dampening clothes, and for other purposes where a fine spray is required. 4 sizes, 50 cts., 60 cts., 75 cts., and \$1.00 each.



Improved Putty Bulb for Glazing Greenhouse Sash.

\$1.00 each.

OX-EYE SPRINKLER.

Notwithstanding this is the smallest of all hand-sprinklers, (size shown by comparison with the hand,) its capacity is not so restricted. This is due to the construction of the spray-disc, which is also an automatic valve permitting the bulb to fill instantly. The inconvenience of having to wait a long time for the sprinkler to fill, as in old style of sprinklers, is done away with. 50 cents; larger size, 75 cents each.



PARIS-GREEN SIFTERS.

Made of tin, with a socket-handle and perforated bottom, holding about a quart. Very useful in applying Paris Green, Slug Shot, Helebore, etc. Price 15 cents each.

RUBBER HOSE.

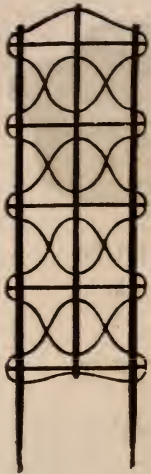
The hose we offer is of the best manufacture. The different qualities are made to stand the different amounts of pressure.

For ordinary pressure.		For heavy pressure.		For extra heavy pressure.	
1/2 inch, 3-ply, extra quality,	11 cents.	Superior quality,	12 cents.	Best quality,	13 cents per ft.
3/4 " " " " "	13 "	" " "	14 "	" " "	15 " " "
1 " " " " "	16 "	" " "	18 "	" " "	20 " " "

Couplings, 25 cents per set, furnished free on 50 feet pieces.

Hose Nozzles, different patterns, 60 to 75 cents each.

TRELLISES, PLANT-STAKES, ETC.



Veranda Trellis. This is by far the most ornamental and substantial trellis made, being especially adapted to out-door use for high-climbing shrubs and vines. We have eight regular sizes, but can make to order any given dimensions. Regular sizes as follows:—

		EACH.			EACH.
5 feet,	18 inches wide . . .	\$0.70	9 feet,	20 inches wide . . .	\$1.25
6 "	18 " " " . . .	.80	10 "	20 " " " . . .	1.50
7 "	18 " " " . . .	.95	11 "	24 " " " . . .	1.75
8 "	18 " " " . . .	1.10	12 "	24 " " " . . .	2.00

Round Ivy Trellis.

	EACH.
16 inches diameter . . .	\$0.42
20 " " . . .	.60
24 " " . . .	.75

Oval Trellis.

		EACH.
No. 1.	30 in. long, 10 in. wide	\$0.20
" 2.	30 " " 14 " "	.30
" 3.	36 " " 12 " "	.35
" 3½.	42 " " 14 " "	.40

PLANT-STAKES.

The best made, for house, greenhouse, conservatory, and LIGHT garden work, where plants require support. Being painted green, they are exceedingly neat, rather ornamental than otherwise, and in use are not unpleasantly conspicuous.

LIGHT ROUND STAKES.

1½ ft. long . . .	\$0.18 doz.	\$1.25 hund.	3½ ft. long . . .	\$0.54 doz.	\$3.75 hund.
2 " " . . .	0.24 " "	1.75 " "	4 " " . . .	0.60 " "	4.50 " "
2½ " " . . .	0.36 " "	2.25 " "	5 " " . . .	0.72 " "	5.50 " "
3 " " . . .	0.48 " "	3.00 " "			

HEAVY ROUND STAKES.

3 ft. long . . .	\$0.60 doz.	\$4.50 hund.	5 ft. long . . .	\$1.00 doz.	\$7.00 hund.
4 " " . . .	0.75 " "	6.00 " "	6 " " . . .	1.25 " "	10.00 " "

SQUARE STAKES.

1½ ft. long . . .	\$0.18 doz.	\$1.00 hund.	4 ft. long . . .	\$0.60 doz.	\$4.00 hund.
2 " " . . .	0.18 " "	1.35 " "	5 " " . . .	0.72 " "	5.00 " "
2½ " " . . .	0.24 " "	1.75 " "	6 " " . . .	1.00 " "	6.50 " "
3 " " . . .	0.36 " "	2.75 " "	6 " " Ex. heavy	1.25 " "	10.00 " "
3½ " " . . .	0.48 " "	3.25 " "			

CANE-STAKES.

Used extensively by plant growers and greenhouse people for tying roses, pinks, and all plants where not too heavy a stake is required; they resemble the bamboo, and are very strong and durable; varying in length from 5 to 12 feet. \$1.50 per hundred. In bundles of 500 for \$5.00 per bundle.

FUMIGATORS.



For smoking greenhouses; self-acting, and may be left with perfect safety; all the material is consumed and gives off a dense smoke; made of extra heavy galvanized iron.

No. 1.	20 in. high, 13 in. diameter holds ½ bush stems . . .	\$3.50
No. 2.	24 " " 14 " " " ¾ " " . . .	4.00
No. 3.	28 " " 16 " " " 1 " " . . .	4.50



CUTLERY, TOOLS, Etc.

p 94.

Pruning-Knives	each \$ 0.75 to 1.50	Grafting Chisels	each \$ 0.50
Budding-Knives	" .75 " 1.50	Garden Trowels, solid steel, 6 inch	" .40
Pruning-Shears	" 1.00 " 2.50	" " " 7 inch	" .45
Eagle Pruning-Tool (wood handles)	" 2.25	" " " 8 inch	" .50
Rose Pruners	" 1.00 " 1.50	Brick	" .75
Flower or Grape Gatherers, 6 inch	" 1.50	Sawberry Forks	" .25
" " " 7 inch	" 1.75	Scythe Stones	" .10 to \$ 0.20
Vine Scissors, 6 inch	" 1.25	Garden Reels	" .50
" " " 7 inch	" 1.38	" Lines	" .35 to .75
Grass Shears, 9 inch	" 2.00	Mammoth Powder Guns	" .15
" " " 10 inch	" 2.25	Thermometers, 8 inch	" .25
Hedge Shears (pruning notch), 10 inch	" 2.50	" " " 10 inch	" .30
Grass Hooks	" .50		

PRICE-LIST

OF

Flower-Pots and Saucers, Seed-Pans, Etc.

WHOLESALE AND RETAIL.

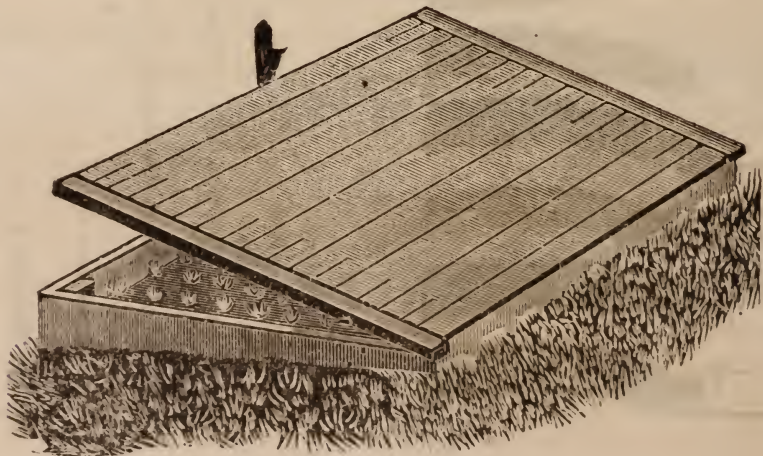
FLOWER-POTS.			SAUCERS.		SEED-PANS.		
	EACH.	HUND.	EACH.	HUND.		EACH.	HUND.
2½ inch	\$0.01	\$0.75					
3 "	.01½	1.00	\$0.02	\$1.50			
4 "	.02	1.75	.02	1.50	6 inches in diameter	\$0.07	\$6.00
5 "	.03½	2.75	.02½	2.00	8 " " "	.11	10.00
6 "	.05	4.00	.03	2.75	10 " " "	.16	15.00
7 "	.07	6.75	.03½	3.00	12 " " "	.22	20.00
8 "	.09	8.50	.04	3.50			
9 "	.12	11.50	.05	4.00			
10 "	.15	13.50	.06	4.50			
11 "	.20	18.00	.07	5.50	12 x 12 inches, 4 inches deep	\$0.40	\$38.00
12 "	.50	Pots from 12 inches up have handles.	.09	8.00	12 x 12 " 2½ " "	.32	30.00
13 "	.65		.11	10.00			
14 "	.90		.15				
15 "	1.15		.20				
16 "	1.35		.25				
17 "	1.65		.30		3½ inches wide, 6½ inches deep	\$0.06	\$5.00
18 "	2.00		.35		5 " " 7 " "	.08	7.00
20 "	2.50						
22 "	3.00						
24 "	4.50						

BULB-POTS.

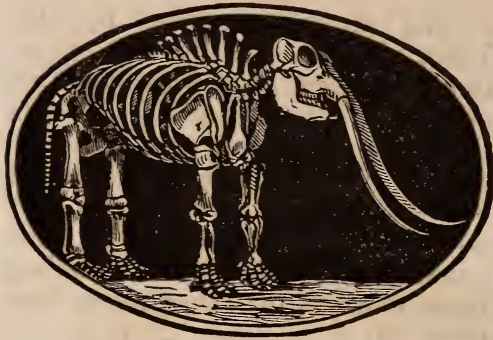
Special prices on thousand lots. Catalogue of Fancy Flower Pots with illustrations and prices sent on application.

HOT BED MATS.

These are made to order by hand, from the very best Rye Straw, and in the most thorough manner, they are regular size, 6 x 6 feet. Price \$1.50 each. Special prices on large lots, and special sizes made to order.



FERTILIZERS



SOLUBLE PACIFIC GUANO.

We have been the selling agents for this fertilizer in Boston for several years past; AND FROM THE MANY HUNDREDS OF OUR PATRONS WE HAVE YET TO HEAR THE FIRST UNFAVORABLE REPORT. The best proof of their confidence in it is the fact that they continue to send us orders for further supplies.

IT WILL PRODUCE LARGE CROPS, ACTS QUICKLY, COSTS LESS THAN HALF WHAT STABLE MANURE DOES, AND BRINGS NO WEEDS INTO THE SOIL.

Price per Ton,	\$42.00	Bags of 50 lbs. each	\$1.25
Bags of 100 lbs. each	2.25	Bags of 25 lbs. each . . . . .	.75

Fine Ground Bone. We would call particular attention to this Bone, as it is obtained daily from Brighton Abattoir, and contains all the fertilizer properties of raw bone, being dried and ground within 12 hours after the cattle are slaughtered.

Price in barrels of about 200 lbs. per lb. \$.02 per ton \$35.00

Inch Bone, ground in pieces of $\frac{1}{4}$ to 1 in. in size and specially intended for Grape Vines, Fruit Trees, etc.

Price in bags of about 100 lbs. per lb. \$.02 $\frac{1}{4}$ per ton \$35.00

Bowker's Hill and Drill Phosphate. A concentrated general fertilizer. This phosphate is made for the hill or drill, or for broadcast sowing; it may be used in either case to advantage, giving an early and vigorous start. *It is composed principally of bone,* thoroughly dissolved so as to make it active in all stages of plant growth.

Price in bags per lb. \$.02 per ton \$36.00

Stockbridge Special Manures. The Stockbridge Special-Complete Manures were the *original special fertilizers* sold in this country, and were originated by Prof. Levi Stockbridge, Professor of Agriculture in the Massachusetts Agricultural College. The following are the leading kinds: For *Potatoes, Corn and Grain, Small Fruits, Vegetables, Root Crops, Asparagus, Top Dressing Grass and Seeding Down Grass.*

Price in bags per lb. \$.02 $\frac{1}{4}$ per ton \$40.00

Unleached Wood Ashes. A superior general fertilizer.

Price in barrels of about 250 lbs. per lb. \$.01 $\frac{1}{4}$ per ton \$20.00

Bowker's Lawn and Garden Dressing. A special fertilizer, prepared from chemicals. Free from weed seeds, odorless, and so clean that any member of the family can apply it. It is extensively used on the Boston public parks and lawns.

10 lb. bags for 1,000 square feet,	\$.50	50 lb. bags for 5,000 square feet,	\$1.75
25 lb. bags for 2,500 square feet,	1.00	100 lb. bags for $\frac{1}{4}$ acre,	3.00

FERTILIZERS FOR POT PLANTS.

Pacific Guano. An odorless fertilizer specially prepared, per box, 25c.

Bowker's Ammoniated Food for Flowers. A fertilizer made from chemicals, and prepared especially for plants grown in the house, small box, 10c., large box, 25c.



MORRILL'S CANKER-WORM EXTERMINATOR

FOR THE PROTECTION OF FRUIT AND ORNAMENTAL TREES FROM THE RAVAGES OF THE GRUB AND CANKER-WORM.

Securely fasten a strip of tarred paper, 6 to 10 inches in width, around the tree three feet from the ground, and thoroughly cover with the exterminator; if the exterminator is too thick to spread readily with a paint brush, thin with oil. *Directions on each can.*

2 lb. cans	\$0.30	10 lb. cans	\$1.10
3 " " . . . . .	.45	20 " "	2.00
5 " " . . . . .	.60	28 " "	2.80

In kegs of about 125 lbs., 8½ cents per lb.

BELKNAP'S AXLE PASTE,

FOR OILING ALL KINDS OF

Carriages, Coaches, Carts, Machinery, etc. Especially recommended to Stable Keepers and Teamsters generally.

WARRANTED TO RUN ANY COMMON AXLE 200 MILES.

It will NOT GUM or work into the Hub; CANNOT SET A WHEEL when this is used.

Buy a Box, and if it does not give satisfaction in every way, YOUR MONEY WILL BE REFUNDED.

Directions. — Have your axle clean and free from all other lubricants. Apply a thin coat of the Paste. As long as you can blacken your finger on the axle, there is plenty to run it. Never wipe the axle after the first application.

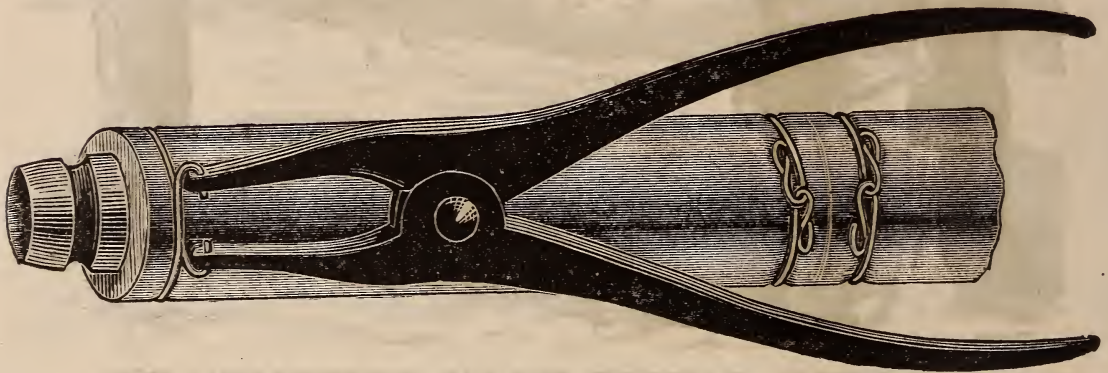
Price, 25 cents per box. 5 lb. Pail, 75 cents, 10 lb. Pail, \$1.40.

We have used this Axle Paste for the past three years, and fully indorse all the manufacturer says of it.

SCHLEGEL & FOTTLER.

THE HUDSON HOSE MENDER.

The Cheapest, Simplest and Best in Use.



This Mender, with the Plyers and Wire, are the very best for the purpose ever put on the market, the mender is made with a groove near each end, so that, when the wire is applied it presses into the groove, thus making it hold stronger than is possible in any other way of mending hose.

To apply the wire place the ends which are hooked in the holes of the pleyer, and press the wire as tight as possible, then turn the pleyer half round, release the wire and pound down the ends as illustrated in cut.

PRICE OF MENDERS.

For $\frac{1}{2}$ inch hose, 30 cts. doz., For $\frac{3}{4}$ inch hose, 40 cts. doz., For 1 inch hose, 50 cts. doz.,
by mail, 10 cts. extra. by mail, 18 cts. extra. by express only.

Plyers, 38 cents each, by mail, 45 cents each. Wires, 25 cts. per doz.

We put the $\frac{3}{4}$ and $\frac{1}{2}$ inch sizes in boxes containing 1 Pleyer, 8 menders and 16 wires, at \$1.00 per box, \$1.20 by mail.

In ordering please state size desired.

CRATIVITY.



1889.

To *Schlegel & Fottler*

For *Coll. Vegetables*

\$ 10

The above copy of the **BAY STATE AGRICULTURAL SOCIETY'S PREMIUM CARD** shows how the Committee on Vegetables appreciated the collection we exhibited. We did not enter for competition, but the interest shown in our specimens by visitors was so strongly marked, the Committee could not consistently omit an award.

NOVELTIES AND SPECIALTIES

IN

VEGETABLE SEEDS FOR 1890.

EARLY GOLDEN EYED WAX BUSH BEAN.

One of the new sorts that promises well, as it has thus far kept free from rust. Pods of good length, rather flat, and stringless. Vine very even in appearance, about 1 1-2 feet high; one of the very earliest varieties. Per pkt. .10; per qt. .40; per peck, \$2.50

WARREN BUSH BEAN.

Many prefer a green podded bean, and to such we strongly recommend the "Warren." We made personal tests of it, and find it a great improvement upon any other bush bean we know of. Vines very vigorous and productive; pods of good size; stringless and tender; equalling Red Cranberry Pole Bean in quality, Packets, .10

Henderson's New Bush Lima Bean.



Copyright, 1883, By Peter Henderson, & Co.

This novelty was introduced last year, and it is certainly a great improvement upon any Lima Pole Bean on account of its *dwarf form and earliness*. It is strictly a dwarf variety, growing about 18 inches high, and very compact; and is at least two weeks earlier than any of the climbing Limas. The beans are the size of Small Lima, or Sieva, and are very delicious, particularly if not allowed to become fully matured before gathering; an important matter with all Lima Beans. per pkt. 20 cents; per qt. \$1.25

EDMAND'S TURNIP BEET.

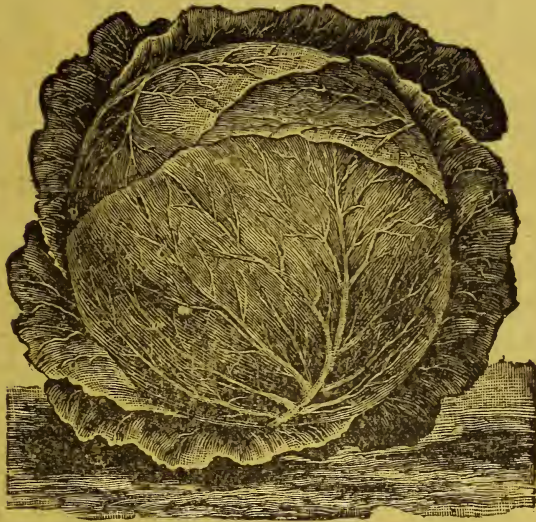
The seed we offer was grown by the originator, Mr. EDMANDS, and we have again secured the only lot that came to this market from him the present season. This variety is rapidly coming into favor, particularly with market gardeners. It is the most thoroughly fixed and uniform in type of any turnip beet. The flesh is deep blood-red in color, and exceedingly sweet and tender in quality. It is round and smooth in shape and of good market size. It does not grow over large, where room is permitted, as many kinds are apt to do, therefore needs not to be thinned so much as most varieties. It grows a small top and but a single tap-root, which fact commends itself to the gardener's attention who grows beets for bunching purposes. It is very early, and is decidedly the best beet for marketmen's use, being justly popular and much called for wherever it has been sold. In the vicinity of Lowell, Mass., the section where it originated, it is almost exclusively grown, and is considered far superior to anything else known.

Pkt. 5 cts.; oz. 10 cts.; lb. \$0.60.

IMPROVED EGYPTIAN BEET.

We have secured the finest stock of Egyptian Beet seed ever known in this market. Its advantages over ordinary strains of the Egyptian are in being of a *much brighter color*, smoother, fully as early for very small beets for bunching, but making faster growth later, thus avoiding the woody fibre found in the old strain. We could fill many pages with testimonials from our most prominent market gardeners who used some of this seed last year.

Pkt. 5 cts.; oz. 10 cts.; lb. \$0.75.



WARREN'S STONE MASON CABBAGE.

For the past thirty-five years STONE MASON DRUMHEAD has been in this market, and in many other sections, the Standard Cabbage for late crop, for laying in for winter use, and for shipping purposes. Its parent, the old "Mason Drumhead," was mainly depended on for many years previous, and until Mr. John Stone, of Marblehead, Mass., introduced his improved strain under the name of "Stone Mason," and by which name it has since been known, the world over. During the time that Mr. Stone was annually growing this improved stock of cabbage seed, his immediate neighbor, Mr. David Warren, also grew a portion of both cabbages and seed, by arrangement with Mr. Stone; thus making more sure of a crop between them, and the seed going into the market as head-quarter's seed from Mr. Stone.

Ever since Mr. Stone's death, some fifteen years ago, this strain of Cabbage has been very carefully kept up to the highest standard of excellence by Mr. Warren, who has been generally considered, in connection with this Cabbage, as the best informed, and most reliable man from whom to procure this strain of seed in its purity. We have handled in our trade, *for over thirty years*, the greater portion of this stock of seed grown by Mr. Stone, and since his time by his former associate, Mr. Warren; and during all this time we never knew of a single complaint against the excellence of the stock.

This is the fifth year that we have had exclusive control of all the seed Mr. Warren has grown of this variety.

THIS SEED WILL BE SOLD ONLY IN SEALED PACKAGES AS HERETOFORE, THUS PROTECTING THE GROWER AND OURSELVES, AND AT THE SAME TIME ASSURING OUR CUSTOMERS OF GETTING THE GENUINE ARTICLE.

POINTS TO BE REMEMBERED.

There is an abundance of Cabbage Seed upon the market being offered under the name "Stone Mason, *Warren's Stock*." Seed so offered was not grown by David Warren, nor by any parties having had experience in the business that at all approaches Mr. Warren's record as a grower of Cabbage Seed.

We hold the entire stock of this seed that was grown by Mr. Warren, none being in this market except in our hands or sold under our seal.

CAUTION!! Beware of fraudulent statements. All other parties who offer for sale STONE MASON CABBAGE SEED, with the claim that it was grown by David Warren, should be avoided, unless they produce the original packages bearing our label and private seal.

Per pkt. 5 cts. ; oz. 40 cts. ; lb. \$4.00.

EARLY CROSBY CORN.

For seven consecutive seasons we have made contracts for the entire stock of this variety of Sweet Corn grown on the estate of the originator, Josiah Crosby, Esq., of Arlington, Mass.

This variety is unquestionably the very best of all the early sorts of Sweet Corn, and in several respects, and for many purposes, it is, all points considered, the very best to grow for a main crop. It is very dwarf, (about four feet), with numerous large ears (twelve to sixteen rowed), set very low on the stalks; and, as it matures so early, second crops of many sorts can be obtained from the land. *This is the variety almost exclusively used by the large growers of Sweet Corn in Maine and elsewhere, for canning purposes.* Its table qualities are unsurpassed.

About thirty-five years ago, Josiah Crosby first exhibited corn of this variety, and ever since that time he has made annual selections, using the utmost care, and learning by long experience how to choose those ears best suited for seed, to maintain the true type of the variety. Although a great number of other cultivators have for years endeavored to perpetuate a pure strain of Early Crosby Corn, few, if any, seem to understand the method of selection which Mr. Crosby has found absolutely necessary to follow to avoid radically changing the type of both stalk and ear; and all have eventually been obliged to turn to headquarters from time to time, in order to procure pure seed of this variety.

No Headquarters Stock of Crosby Corn is for sale except by us; any that is offered by others is either grown from seed obtained of us, or is removed from the original by more than seven years growing.

Leading seedsmen all over the country annually send to us for stock to grow from.

Price per ear, 10 cts.; per doz. \$1.00. Shelled, per pkt. 20 cts.; per quart, 80 cts.

CAULIFLOWER.

FOTTLER'S CHAMPION ERFURT.

The leading favorite in our market for several years past.

The crops grown from this seed have been very uniform—nearly every plant heading—and the heads large, full, compact, and white as snow. *Second crops of heads, taken from the sideshoots, have been, in many cases, of value enough to pay the cost of the labor of cultivating the crop.*

This strain is equally valuable for early as for late sowing, although as a rule the late crops of all Cauliflowers are the best.

N. B. * Sold in sealed packets only; each package will bear a special label that will insure against substitution of any inferior stock. Accept none of this variety that does not bear our seal. Price per pkt. 25 cts.; per oz. \$4.00

CAULIFLOWER.**NEW DWARF DANISH.**

Three years ago we procured a small quantity of Cauliflower seed from a Denmark grower which proved very superior. This grower has for many years been selecting his stock with a view to develop certain qualities. His aim is to produce heads of large size, perfectly white, and also *to have them very deep, or globe-shaped*, at the same time preserving extreme compactness. He has also improved the form of the plant, so that *the heads are naturally protected by the leaves*; more so than in ordinary forms of "Dwarf Erfurt." This Cauliflower otherwise resembles the best strains of Early Dwarf Erfurt, and for reliability in heading is unsurpassed. Sold in sealed packets only.

Per pkt. 25 cts. ; per oz. \$4.00

**PARIS GOLDEN CELERY.****SELF-BLANCHING.***See page 106.*

Paris Golden Yellow Celery.

(SELF-BLANCHING.)

Last season we sent this variety out as a novelty, believing it would become very popular. The past year's trials of it confirm all we have said of it: IT HAS CREATED A SENSATION AMONGST CELERY GROWERS. Our best market-gardeners say it will drive all other *early varieties* out of the market. its fine dwarf form, rapid growth, superior flavor and keeping qualities, rich golden color, and slight trouble in blanching all recommend it. It showed no signs of blight or rust where all others were more or less affected by it. WE HAVE OUR SEED DIRECT FROM THE INTRODUCERS IN PARIS and can recommend it for purity. We reproduce a letter received last year from one of the best known amateur growers in New England,—Ex-Governor Holbrook of Vermont. His opinion is valuable.

BRATTLEBORO, Vt. Jan. 16 1889.

MESSRS. SCHLEGEL & FOTTLER, Boston, Mass. :

Gentlemen,—For many years an amateur grower of celery I am familiar with the many varieties grown. For two years past I have raised the Paris Golden, self blanching, and do not hesitate to pronounce it a great acquisition to growers and consumers of celery. It is a new sort, recently received from France. I hope you will make it a specialty in your catalogue for 1889, for you will surely benefit the public by so doing. The growth of this variety is quite dwarf in height, while the heads are thick and large around, *and about every stalk is fit for the table—nothing to be pulled off and discarded when making it ready for market—and no hollow stalks.* This celery *can be bleached in a quarter part of the time required by most other varieties*; and as its growth is quite dwarf, the labor of earthing up is lighter, and the rows may be planted nearer together than is usually done. Seed of the GOLDEN SELF BLANCHING sown under glass the last of March or first days of April will produce celery fit for market early in August; and sown about the 20th of May in open ground, will make celery right for autumn and winter use. The table quality of this celery is superb.

Very truly,

(Signed)

F. HOLBROOK.

Price, per packet, 15 cts; ounce, 75 cts.

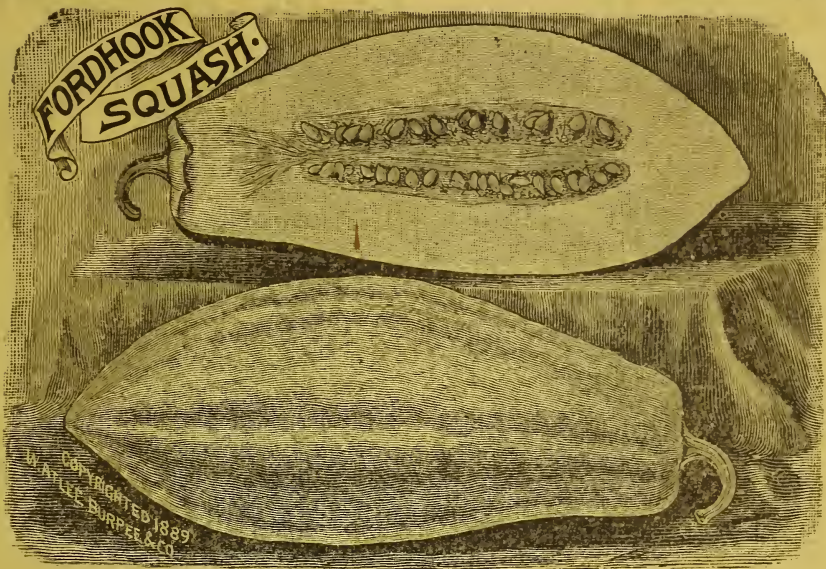
Plants of Paris Golden Yellow Celery, per dozen, 20 cts.; per 100, 75 cts.



CUCUMBER, ARLINGTON WHITE SPINE.

A strain of White Spined which has been improved through many years of careful selection, with a view to use for forcing in hot-houses and frames. Our stock produces very handsome dark-colored cucumbers, which excel in crispness and flavor all the other varieties which flourish in open air culture. A peculiar feature of this strain is the evenness of size, form, and color of the cucumbers throughout the entire crops; they sell at fancy prices in this market, early in the season. Pkt. 10 cts.; oz. 30 cts.; lb. \$1.50.

FORDHOOK SQUASH.



Sent out as a very desirable novelty, and with the endorsements of a most reliable seed-house. The following is the substance of the description by the introducer.

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

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

SIBLEY (or Pikes Peak) SQUASH.

A squash of entirely new form, having the stem at the larger end. In several respects it is distinct from all others, the seeds being of a glossy yellowish color. *Of all squashes we have tried, this takes the lead for table qualities.* The shell is pale slate color, very hard, but so thin and smooth as to occasion the least possible waste in cooking; flesh solid and thick, and of a brilliant orange color; very dry, rich, and delicate in flavor; weight 8 to 10 lbs.

Per pkt. 5 cents; per oz. 10 cents; per lb., \$1.00.

TOMATO DWARF CHAMPION.

One of the most distinct and valuable Tomatoes of recent introduction. Dwarf, stiff habit, scarcely needing any support. The foliage is peculiarly corrugated and a very dark green. It is very early and wonderfully prolific. Color, rich bright scarlet. Is perfectly round and smooth, of medium size, contains few seeds, and is really more "meaty" than many Tomatoes twice the size.

Per pkt. .15; per oz. .40; per lb. \$4.00

NEW TOMATO "RED CROSS."



Five years ago our attention was called to a tomato that appeared to be superior in every respect to any we had ever before seen. It was being grown by a farmer-florist in his hot-houses, and he was experimenting with a view to the production of early fruit from a large and very solid variety of tomato that he had selected with great care. He grew the plants in pots, changing them several times until they occupied eight-inch pots; and at the usual time of setting tomatoes in the open ground, (late in May,) these plants had fruit nearly ripe. On the 10th of June some two bushels of splendid fruit was sent to market. From this crop we secured the finest specimens for the seed and tested it the following year in the usual manner of growing tomatoes. One grower who had about one-half an acre of it took the lead in our market, getting tomatoes that he sold at \$1.00 per bushel, when the season was well advanced, and the best of other sorts were selling at 60 cts. The lowest price he sold at that season was 60 cents per bushel; this was when others were selling at 40 cts. The "RED CROSS" is certain to become the leading market variety. It has every good quality to recommend it, being as early as any other, very smooth and even in size throughout the season, perfectly solid, in color a brilliant crimson, ripens clear to the stem, and bears handling better than any other variety we have ever seen.

Last year we introduced this new tomato, and we have a great many very strong testimonials of its value. Even our competitors admit that it proved the earliest and best among scores of varieties they have tested.

Seeds per packet 10 cents; per ounce 50 cents.

Plants per dozen 50 cents.

FLOWER SEEDS.

Novelties and Recent Introductions of Proved Worth.

Those marked with an Index (☛) are offered this season for the first time. The Descriptions are by the Originators.

- ☛ **Acacia, "Molissima Floribunda."** The finest of all the Acacias. No tree is more charming than this, with its graceful, drooping branches covered with thousands of great panicles of fragrant golden flowers. So thickly are they massed, that the feathery foliage can hardly be seen. This variety blooms abundantly the third season from seed, . . . per pkt. .25
- Aethionema Coridifolium.** Beautiful perennial, with rosy lilac flowers produced in heads similar to the Candytuft; height about ten inches, . . . per pkt. .10
- Ageratum, "Ada Bowman."** A fine dwarf compact variety of a delicate blue color, excellent for bedding, . . . per pkt. .10
- Alyssum, "Benthami Procumbens."** Very dwarf Sweet Alyssum, . . . per pkt. .10
- ☛ **Aquilegia, "Chrysantha Grandiflora Alba."** Beautiful new variety of the favorite Aquilegia chrysantha differing therefrom in the color of its flowers, which are pure white, very large, and produced in great profusion. A valuable addition to the herbaceous border, . . . per pkt. .25
- Aquilegia, "Olympica Fl., Pl."** A magnificent variety with very large flowers of a rich dark blue, with white centres, . . . per pkt. .15
- ☛ **Arnebia, "Cornuta."** A new and charming Asiatic Annual attaining a height as well as a diameter of about two feet and is much branched. The beautiful flowers expand daily in succession, and are about the size of a silver quarter, of an agreeable rich yellow with five large black spots. The spots turn the second day to a deep maroon, and vanish entirely on the third day leaving the color a clear rich yellow. The flowers are produced in great profusion the whole summer, and when cut and put in water will remain fresh for several days, . . . per pkt. .25
- ☛ **Arabis, Alpina Folis Variegatis.** This charming variegated perennial decorative plant which for edgings, carpet bedding and rock work, is particularly useful and effective, will be produced true from seed . . . per pkt. .25
- Aster Comet.** The flowers are large and extremely double, resembling in shape those of the Japanese Chrysanthemum. We offer the following colors:—
- | | | |
|--|----------|-----|
| Deep Rose, | per pkt. | .10 |
| Delicate Pink bordered with White, | " " | .10 |
| ☛ Light Blue, | " " | .25 |
| ☛ Light Blue and White, | " " | .25 |
| ☛ Lilac, | " " | .25 |
| ☛ Lilac and White, | " " | .25 |
- Aster, Lilliput.** Pure White. Small flowered, excellent for cutting, . . . per pkt. .10
- Aster, Mignon.** Pure White. Resembling in height, form and habit the Victoria race, but more floriferous. The flowers are of refined form, of the purest white, and a little larger than the imbricated pompon, . . . per pkt. .10
- Aster, Pæony Perfection.** Crimson Ball. Among the finest of the crimson asters, . . . per pkt. .10
- ☛ **Aster, Triumph.** Deep scarlet with white. ☉ A new very handsome variety of this most beautiful of all Dwarf Asters, which was sent out for the first time in 1888. This new variety with its regularly striped flowers is of the same long duration and abundance of bloom as the self-colored type, which has, wherever exhibited, gained the first honors, per pkt. .25
- Aster, Triumph.** Deep Scarlet. The color when the buds are opening is pure scarlet, and when in full bloom it changes to magnificent deep scarlet, . . . per pkt. .15
- Aster, "Victoria Yellow."** A new color of this magnificent variety, . . . per pkt. .15



Begonia Scharffiana, (See Page 111.)



Bellis Perennis "Snowball," (See Page 111.)



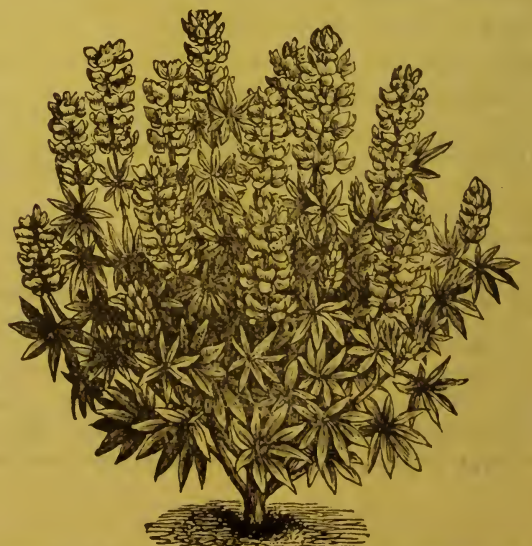
Centaurea Cyanus, double, (See Page 111.)



James' Prize Cineraria, (See Page 111.)



Delphinium Zalil, (See Page 113.)



Lupinus Albo-Coccineus Nanus, (See Page 116.)

- ❁❁❁—
- Balsam, Snow-Ball.** A very superior strain for florists' use, the individual flowers, which are produced freely, are pure white, very large, and double, with good stems,
per oz. \$4.00; per pkt. .15
- Beet, Ornamental Foliage.** Very handsome where large ornamental foliage is wanted.
Dracena leaved, Scarlet leaved and Yellow leaved, each per pkt. .10
- Begonia Scharffiana.** New species from Brazil with large, thick, velvety leaves, of emerald green color on the surface and deep purplish red underneath. The flowers are large and pure white. This species is perfectly distinct from all other ornamental-leaved Begonias cultivated up to this day and being much hardier than any of the Rex varieties, it can be recommended not only as a good stove plant but also as a fine plant for apartments,
per pkt. .25
- Bellis Perennis Fl. Pl. Snowball.** Beautiful white fld. variety of the large flowered and long stemmed Daisy "Longfellow" with extremely double flowers, which will be of great value for cutting. It reproduces itself almost true from seed, there will be at least 80 per cent. white, the rest is Longfellow, per pkt. .25
- Campanula Fragilis.** Very desirable for hanging-baskets or vases. Each plant, bearing hundreds of pretty porcelain-blue flowers on streamers eighteen inches long, per pkt. .10
- Canna, Crozy's New Varieties.** These varieties are distinguished by their dwarf habit, the luxuriance and diversity of color of their foliage, but above all by the *size* and *brilliance* of hue of their flowers, per pkt. .10
- Centaurea Cyanus Flore Pleno.** "New double flowered Bachelor's Button." By continuous selection we have succeeded in obtaining a new class, which may justly be called double flowering. The flowers of this novelty may, concerning their form, be compared to those of the Gaillardia Lorenziana, the disc flowers having developed themselves into tubular, funnel-shaped florets, forming handsome globular flowerheads of unique beauty. The seed mixture offered here not only contains the well-known colors, but also some quite new shades, amongst which the dark red with light blue edges and the white striped with red and blue are the most striking ones. About 60 to 70% of the seedlings will reproduce themselves true from seed. As an ornamental plant and on account of its continuous bloom and its usefulness for cut flowers this novelty cannot be too highly recommended, per pkt. .15
- Centaurea Cyanus.** "Emperor William." Very fine dark blue, per pkt. .15
- Chrysanthemum, Golden Feather.** Flowers white, with dark disc, surrounded with bright yellow and crimson circles, foliage golden yellow, per pkt. .05
- Chrysanthemum, Lucustre.** Hardy Perennial, about 3 ft. high, flowers pure white with yellow centres 2 in. across per pkt. .05
- Cineraria, "James' Prize Strain."** Flowers of extraordinary size, shape and substance, such as to render it without doubt one of the finest strains in cultivation, the habit being extremely compact and robust, per pkt. .50
- Coreopsis, "Golden Wave."** Bushy compact plants about two feet high, covered from July to October with beautiful golden yellow flowers two inches across, with small dark centres, per pkt. .15
- Coreopsis, "Grandiflora."** Beautiful large yellow flowers, per pkt. .05
- Coreopsis, Hybrida Fl. Pl. Mixed.** Double flowered variety, per pkt. .10
- Cyclamen Giganteum.** Very large and rich colored flowers. *Pure White, Dark Red, Purplish Crimson, Bright Rose and Mixed.* Each, per pkt. .50
- Crepis Rubra. (Red Hawkweed.)** Old fashioned garden annual with double-red flowers. About an inch across, growing 1 foot high, per pkt. .05
- Dahlia, "Single Striped."** A new and interesting class, with single flowers, which are beautifully striped, flaked, mottled and dotted with a great variety of colors, per pkt. .10
- Dahlia, "Single Dwarf Striped."** A new issue from the preceding, plants three feet high, very compact and free flowering, a great variety of colors are contained in this strain, per pkt. .15
- Dahlia, "Single Dwarf Brilliant."** New dwarf variety, 3 feet high, producing the finest brilliant scarlet flowers in the greatest profusion, per pkt. .15









NEW CARNATION "MARGUERITE."

New race of perpetual carnations *extraordinarily early*, and producing 90% of fine large double flowers, with fringed petals and splendid colors.

Seed sown the last of February produced plants which were in flower in July, and continued to bloom till frost.

Plants of vigorous compact habit with strong flower stems, the flowers which range in color from pure white to deep red, are about 3 inches in diameter, do not split, and emit the sweetest and most agreeable perfume, per pkt. .25

-  **Delphinium "Brunonianum."** (Musk Scented Larkspur.) A dwarf species from the Himalaya Mountains, the flowers are larger than those of any of the species in cultivation, and of a shade of light blue somewhat difficult to define. But what renders this introduction more particularly interesting is that its flowers emit a powerful odor of musk, something unknown to the species before, per pkt. .25
- Delphinium Barlowi.** Large dark blue perennial Larkspur, per pkt. .15
- Delphinium Grandiflorum Mixed.** Beautiful large blue and white flowered perennial Larkspur, flowering the first season from seed, per pkt. .10
-  **Delphinium Nudicaule Aurantiacum.** Entirely distinct variety of the beautiful red flowering dwarf perennial Larkspur. While the flowers of the type are brilliant scarlet, those of this novelty are of a bright orange yellow and the foliage is light green. If sown in early spring, pricked off singly in small pots as soon as the seedleaves are developed and planted in open ground about April or May, it will begin to bloom during the month of July and continue so until the autumn, per pkt. .25
- Delphinium Zalil.** Dark green, finely cut foliage, with numerous flower spikes 8 x 16 inches long, covered with blossoms larger than a 25-cent piece, and of a *pure sulphur yellow color*, blooming freely from May till August, per pkt. .20
- Dianthus Plumarius Semperflorens "Cyclope."** A beautiful new strain, the result of crossing the *Perpetual Carnation* with the Pheasant-Eyed Pink, very vigorous and free flowering, blooms measuring up to 3 inches in diameter, are of a fine red color with a crimson centre; it is a perpetual bloomer, per pkt. .25
- Dianthus Caryophyllus (Carnation) White Grenadin.** Magnificent dwarf variety, very early and producing 80 per cent. of double pure white blooms, fine for cut flowers, per pkt. .15
- Dianthus (Pink), Single]Clove.** Sweet scented, hardy garden sort, in mixed colors, per pkt. .10
-  **Dianthus Heddegi, "The Bride."** New variety of this pink with large fine shaped flowers which are white with a purple eye, surrounded by a deep velvety purple crown, the colors forming a striking contrast, per pkt. .10
- Dracæna Indivisa.** Greenhouse palm-like plant, with dark green leaves, 2 to 4 ft. long, 1 to 2 in. broad, tapering to a point. Very graceful for decorative purposes, per pkt. .15
- Freesia Refracta Alba.** Handsome and peculiarly graceful flowers, pure white with a yellow blotch on the lower petal, and possessed of a sweet delicate perfume. Valuable for cut flowers. Seed sown this season will make good blooming bulbs for another season, per pkt. .10
- Freesia Leichtlini.** A yellow flowered variety of the preceding, per pkt. .10
- Gazania Splendens.** Showy plant from Cape of Good Hope, of easy culture in cool greenhouse or open border in summer, large bright orange colored flowers, with a black and white blotch at base of each petal, per pkt. .15
-  **Gaillardia, "Grandiflora Superba."** New variety with flowers of very large size measuring upwards of 4 inches in diameter of a beautiful red color with yellow border, one of the finest perennials for bedding, per pkt. .10
-  **Gesneria Robusta Perfecta.** An improved strain of Gesnerias with handsome foliage and especially remarkable for its freeflowering habit and its great diversity of colors, per pkt. .50
-  **Gloxinia Hybrida Grandiflora Defiance.** ☉ 4 ☰ New scarlet flowering Gloxinia. This new and really magnificent variety is without doubt one of the finest introductions to this lovely genus. It belongs to the class with erect flowers and has a luxuriant, glossy green foliage with silvery white veins. The large flowers, slightly curled on the edge, are of a brilliant crimson-scarlet, in fact of such dazzling color, that it is a difficult task to describe it correctly. As this novelty reproduces itself almost true from seed (about 90 to 95 per cent. of the seedlings will be true) we can strongly recommend this Gloxinia to every lover of this extremely rich flowering genus, per pkt. .50
- Gloxinia Hetherset Hybrid.** Flowers measuring 3 to 4 inches across; are all erect, with large open throats, thus displaying to the fullest perfection their gorgeous colorings, which are of every conceivable shade, from pure white, pink, rose, lilac, scarlet, crimson, maroon, and purple, to rich purplish black; most profusely spotted in the throat. The foliage is very rich and velvety, like the much admired *Crassifolia* strain, per pkt. .50






Lobelia littoralis flowering, (See Page 116.) *Phlox Drummondii cuspidata*, (See Page 117.)







Papaver laevigatum, (See Page 117.) *Torenia Fournieri* "White Wings," (See Page 118.)



Mimulus moschatus compactus, (See Page 116.) *Verbena hybrida compacta* (See Page 118.)

-  **Gladiolus. "California Strain."** An entirely new strain which may well be called *Giant Dwarfs*. The flowers which are borne on stiff low-growing stems are very compact, of great substance and extremely large, often measuring five inches across a single bloom, and will endure for several days our hottest weather. In producing this new strain a million or more of seedlings have been raised and a careful selection carried on for the last twelve years, See cut, page 122. per pkt. .10
- Gypsophila, Paniculata Nana Compacta.** A perennial variety of great beauty; the flowering branches growing thickly into each other form a regular globe of veil-like white flowers. A fine sort for cutting, per pkt. .10
-  **Helianthus (Sunflower) New Primrose.** A new single flowered variety 6 to 8 feet high of a striking primrose color, per pkt. .10
- Helichrysum (Everlasting) Fireball.** Large, double brilliant Scarlet, per pkt. .05
- Helianthus (Sunflower) Nana Plena.** Dwarf double, fine yellow, per pkt. .05
- Hollyhock, Single. Mixed colors,** per pkt. .10
- Hop. "Humulus Japonicus."** (Annual hop); a very ornamental and extremely fast-climbing plant. The foliage resembles in shape that of the common hop. The principal and most valuable feature is that it can be sown in the open ground in spring, and attain enormous dimensions in a very short time. It never suffers from the heat, or by being destroyed by insects, but retains its fresh green color until late in autumn, per pkt. .10
- Iberis (Candytuft) Coronaria Empress.** A variety of the white rocket, producing large trusses of pure white flowers. Plants are much branched and very handsome, per oz. .50. per pkt. .10
- Iberis (Candytuft) Dobbies' Spiral.** Pure white variety with extra fine spikes, Per oz., .20. per pkt. .05
- Iberis (Candytuft) New Pyramidal Rocket.** A new pure white gigantic Candytuft, it is possessed of a strong free growth reaching to a height of about 1½ feet, and producing monstrous rocket like spikes of flowers, the individual flowers are large size, fine substance and very fragrant, per pkt. .15
- Ipomea Noctiflora (Moon Flower) New Hybrid.** The result of a cross between white and black seeded Moon Flower, the seed produced plants partaking of qualities and characteristics of each. The vine equals either in its luxuriance of growth and number of blooms, which are larger than those of black seeded variety and as large as white seeded; whilst the plants this season are in full bloom 30 to 45 days before the white seeded, which makes it a decided acquisition for growing far north, per pkt. .10
- Iris Robinsoniana.** (*Wedding Flower of Lord Howe's Island*). A fine acquisition, in habit of growth much resembling the *New Zealand Flax*, growing six or seven feet high, with spikes of pure white flowers tipped with golden yellow; deserving of general cultivation, per pkt. .15
- Iris Kaempferi.** The well known Japanese Iris. Mixed Colors, per pkt. .10
-  **Kalanchoe Carnea.** This plant was recently introduced from South Africa and is especially to be recommended as a most welcome addition to the winter flowering plants. It is of easy culture, very floriferous and attains a height of about 18 inches. The beautiful, delicate, pink flowers, which are borne in large clusters, are of waxlike consistency, last a long time in bloom and in addition are deliciously fragrant. It begins to flower at Christmas and continues in bloom throughout January and February, per pkt. .25
- Kennedyia, Prostrata Marryattae.** Greenhouse climber, producing large sized Sweet Pea shaped flowers of a pleasing light scarlet, four on a stalk in the axils of the leaves. per pkt. .10
- Latania Borbonica, syn. for Livistonia Chinensis.** Very handsome Palms with large broad fan shaped leaves, the margins of which are pendant. Sow the seed in sandy soil and place in gentle bottom heat, per pkt. .25
- Leptosyne Maritima.** Free flowering annual, with single yellow flowers with long stems, resembling somewhat the coreopsis, per pkt. .05

-  **Lobelia, Royal Purple.** In color this fine Lobelia is quite different from any other variety in commerce, being a very rich shade of violet purple without any trace of blue, as in all other sorts, and is very striking and effective, thus showing off its large and clear white eye. The habit is semi-compact. per pkt. .25
- Lobelia Littoralis.** Very pretty species with trailing branches of one to two feet in length a splendid plant for hanging baskets. The pure white flowers appearing in large numbers out of the thick foliage on upright flower stems are followed by berry-like seed-pods about three-eighths of an inch broad and long, being green at first and changing into a bright purplish red when ripe. Whether the plants are in flower or in fruit, they are equally pretty and very attractive, per pkt. .25
- Lupinus Albo-Coccineus Nanus.** Handsome compact bushes of about one foot in height and breadth, bearing flower spikes well above the foliage, 3 to 5 inches in length, of a rich rosy crimson color half up the spike, the balance being pure white and of a delicious fragrance, per pkt. .10
- Lupinus Hybridus fl. pl. Pres. Cleveland.** New double-flowered variety of this free-flowering annual, growing three feet high, with flower spikes 8 to 10 inches long; the individual double flowers are purple, striped and shaded with rose, yellow and crimson, per pkt. .10
- Marigold Scotch Prize.** An excellent strain of the tall French marigold, saved from the finest double striped flowers only, per pkt. .10
- Matricaria Eximia Corymbosa. fl. pl.** New, extremely free-flowering dwarf variety, forming small bushes of a uniform height of 7 or 8 inches; flowers quilled and very double, per pkt. .10
- Mina Lobata.** Charming annual climber, closely resembling the Ipomeas, though its flowers are quite distinct; the buds are at first a vivid red turning to orange, when fully open of a creamy white; they are freely produced from the base to the summit of the plant, which attains a height 20 feet and is strikingly beautiful, per pkt. .15
- Mignonette Erfurt.** Introduced as a double variety by an Erfurt seedman, and producing a very small percentage of double flowers, yet the flowers are so uniformly good and perfect, with heads of great substance, that we take pleasure in sending it out under the name of Erfurt Mignonette, per pkt. .10
- Mignonette, May's Colossal.** The largest spike and most fragrant of all the mignonettes, grown largely for the N. Y. market where it is in great demand, per pkt. .25
- Mignonette Gabriele.** New; very fine and robust, with large spikes of red flowers, per pkt. .10
- Mignonette, Giant White Spiral.** A fine variety entirely distinct from other sorts, foliage is finely cut and flowers pure white; grows 2 feet high, with spikes of bloom 10 inches long, per oz. \$1.00. per pkt. .10
- Mimulus Moschatus Compactus.** Valuable improvement on the old favorite Musk Plant. The branches being short and upright they form a compact round bush of 9 to 12 inches in diameter. The leaves are as strongly musk scented as those of the old species. Fine plant for market purposes. per pkt. .15
- Mimulus Musk Scented.** Attractive plants from 15 to 18 inches high, producing large yellow flowers, beautifully marked with dark crimson spots. There is a dark marking in the centre of the foliage. It is musk scented, per pkt. .25
- Myosotis Alpestris "Victoria."** This new For-get-me-not is of stout, bushy habit, with umbels of large bright azure-blue flowers the plant attains a height of 5 to 7 inches, with a circumference of 16 to 18 inches, and when fully grown is quite globular in shape and perfectly covered with flowers remaining a long time in bloom, per pkt. .15
- Myosotis, Alpestris Robusta Grandiflora Alba.** New large flowering white variety of pyramidal habit, per pkt. .10
- Ostrowskia, Magnifica.** New tuberous-rooted Campanulacea, from Bucharia, being the largest and most handsome species of the whole genus; grows 4 to 5 feet high; leaves in whorls around the stem; crowned by a slender panicle of erect, long-stemmed, bell-shaped flowers, of either a lilac or dark blue color, per pkt. .10

-  **Pansy Peacock.** Side petals rich maroon, upper and lower petals royal purple, splashed with peacock blue, and each margined with terra cotta red, per pkt. .25
- Pandanus Utilis.** Used in connection with Palms for decorative purposes, — the leaves are about one foot long, erect, and armed with sharp red spines, each fruit will produce from 2 to 4 plants, Price .10 fruit .25
-  **Papaver (Poppy) The Queen.** New Pæony flowered variety, the most charming and stately of all the Poppies, the flowers are pure white, tipped with crimson scarlet, extremely large and the petals are deeply fringed, per pkt. .15
-  **Papaver (Poppy) Scarlet striped.** Another new Pæony flowered sort, very, showy, the broad scarlet stripes on the satiny white ground produces a striking effect, per pkt. .25
- Papaver Lævigatum.** New and very showy annual Poppy from Persia, about 2 to 2½ ft. high, with fine shaped, large flowers, 4 inches in diameter, of a brilliant deep scarlet with black spots, surrounded by a white margin, at the base of each petal. The flowers being of long keeping (even in a cut state they keep for several days), the plants are continually in full bloom. The two outside petals of the flowers are double the size of the inside ones, so that each couple form a round cup by themselves. Another singular feature of this new species is that the seedpods throw off their cover when ripe. Very freeflowering, extremely showy, per pkt. .10
- Papaver Marselli "The Mikado."** (Striped Japanese Poppy.) One of the most charming of the whole poppy family. The petals at the base are whole, while edges are cut and fringed in the most complete manner. The color is pure white at the back, whilst the fringed edges are of brilliant crimson scarlet, per pkt. .10
- Papaver Pavonium.** A free-flowering annual variety from Turkestan, growing about 1½ ft. high, with neat foliage and pretty three-colored flowers, measuring 3 to 4 inches across. The petals are a brilliant scarlet, marked near the base with a belt of glossy black, the base being of a lovely cherry, per pkt. .10
- Papaver Nudicaule Aurantiacum.** This new perennial poppy blooms the first season from seed, and continues throughout the summer and until late in the autumn. The color is a beautiful bright orange, per pkt. .10
- Papaver. Japanese Pompon.** Charming poppy of recent introduction; assorted colors, per pkt. .10
- Papaver, The Shirley.** Many years of patient selection on the part of one of the most distinguished Horticulturists of the day has resulted in perfecting this strain of Poppy, than which we say with confidence, nothing more surprisingly beautiful has ever been offered. They are of the Ranunculus-flowered family, but the range of color is so varied that scarcely two will be found exactly alike; whilst, to add to the effect, many are most delicately edged, shaded, and striped. The form is most beautiful, being generally single or semi-double, per pkt. .10
- Perilla Nankinensis, Crispa Elatior.** A very compact variety of this ornamental foliage plant with finely curled edges to the foliage, per pkt. .10
- Petunia, Grandiflora Intus Aurea.** New large flowered yellow-throated Petunia, remarkable fine, true from seed which is itself distinct in appearance, per pkt. .25
- Petunia Grandiflora Rosea Intus Alba.** Very large flowered, of a fine rose color with white throat, per pkt. .10
- Phlox Drummondii Cuspidata Mixed.** Of this singular Phlox with its star-like flowers, or pointed petals, we offer a very fine mixture, per pkt. .10
- Phlox Drummondii Fimbriata Mixed.** This singularly fringed strain was introduced with the preceding, the colors are very fine and varied, per pkt. .10
- Platycodon (Wahlenbergia) Mariesi.** A fine new dwarf perennial of bushy habit of growth. The flower stems, 15 to 18 inches high, are crowned by large, reddish-blue flowers, resembling somewhat those of Clematis Viticella, per pkt. .10
- Primula Chinensis Fimbriata. Bull's Premier.** This is one of the finest strains ever raised. The flowers are remarkable for their size, substance, and large trusses, per pkt. .50
- Primula Chinensis Fimbriata Avalanche.** A fine variety, plants resembling a pyramid, flowers pure white with yellow eye. Very large and exquisitely fringed, per pkt. .50
- Primula Floribunda.** Pretty Himalayan Primrose, more remarkable for the abundance than size of its blossom. Its bright yellow flowers are often produced on quite small plants, and are continued for weeks in succession, per pkt. .50

- Primula, Obconica.** A Chinese species, requiring to be grown in a cold frame or house. It is in bloom more or less for half the year, and on this account is very valuable; the flowers are of a pale lilac, almost white color. 1,000 seed, \$1.00, per pkt. .25
- Primula, Vulgaris.** The true yellow primrose, per pkt. .10
- Pyrethrum, Aureum, Discoideum.** This new variety of Golden Feather, instead of having white flowers like the older sorts, produces only small golden yellow-heads, not to be distinguished from the leaves a short distance away, per pkt. .10
- ☞ **Ricinus, "Royal Bronze."** A new and beautiful variety of this ornamental foliage plant, growing $\frac{1}{2}$ feet high, with leaves, stems, and seed-pods of a rich glossy bronze color, per pkt. .10
- Ricinus Cambodgensis.** Vigorous grower, 5 to 6 feet high, the main stem and leaf stalks are of a shining ebony-black, the leaves are very large, regularly divided and richly colored assuming different shades of color as the plant increases in age and size, per pkt. .10
- ☞ **Salvia Patens Lilacina.** We have much pleasure in offering herewith a new variety of the large flowering blue Sage. The color is a pleasing lilac and the seedlings reproduce themselves perfectly true from seed, per pkt. .25
- ☞ **Salvia Splendens "Ingénieur Clavenad."** Very distinct new variety with large flower spikes. It flowers much earlier and more abundantly than the old well-known species; if sown early the seedlings will begin to bloom in April and continue to produce its beautiful brilliant scarlet flowers without interruption until late in the autumn; very showy for flowering beds. True from seed, per pkt. .25
- Stock, Victoria Ten-weeks.** Deep Blood Red. Plants of this class form perfect pyramidal-shaped bouquets, the main flower stem rising a few inches above the numerous lateral branches. The flowers completely cover the bush, are of a beautiful color, and at least 75 per cent. come-double, per pkt. .25
- Stock, Perpetual Flowered Ten-weeks.** Snow white. (*Syn. Princess Alice.*) A fine perpetual blooming ten-weeks stock, growing from $1\frac{1}{2}$ to 2 feet high. When sown early they commence to bloom in June and continue until frost destroys them. The most valuable feature is, that it produces faultless flowers during September and October, when other strains sown at the same time have faded. The individual flowers are very large, perfectly double, and of the purest white; recommended for cut flowers, per pkt. .15
- Stock, Crimson King.** A wall-flower-leaved variety, by far the finest of the ten-weeks stocks. The centre spike and side branches produce immense trusses of brilliant crimson-scarlet flowers, each bloom measuring upwards of two and a half inches across, and very double, per pkt. .25
- Stock Superb Large-flowering Ten-weeks.** An improved strain of large flowering, double stock, which we offer in three colors. *Pure White, Blood Red, and Royal Blue,* each per pkt. .25
- Torenia Fournieri "White Wings."** New fine variety of this pretty pot plant, being a sport from T. Fournieri; flowers white with sometimes a tinge of blush, yellow throat. Very vigorous and free-flowering, per pkt. .25
- Tropaeolum Lobbi Asa Gray.** The flowers of this new kind represent the lightest shade hitherto obtained amongst the Nasturtiums. Its color is a yellowish-white, much lighter than that of the T. Tom Thumb Pearl, per pkt. .15
- ☞ **Tropaeolum Tom Thumb "Aurora."** The ground color of this new dwarf variety is chrome-yellow, the upper petals being of a somewhat lighter tint, the two lower ones are spotted and veined with purplish carmine, per pkt. .10
- Verbena, Hybrida, Compacta.** Choice mixed. This dwarf class may justly be considered as a great improvement on the older sorts of trailing habit. They are of dwarf compact growth, producing their flower stems almost in candelabra form, well adapted for ribbon work or carpet bedding. A great many new tints will be found in this mixture, per pkt. .25
- Verbena Hybrida Compacta Erecta Carminea.** Another new dwarf verbena differing from the former only by its larger flowers of a rich purplish carmine passing into claret-red, per pkt. .25
- Verbena Hybrida Foliis Aureis, mixed colors.** We offer herewith a mixture of all shades of yellow-leaved Verbenas. The flowers are of the same large size and good substance as those of the best auricula-flowered green-leaved Verbenas. These new yellow-leaved varieties are of very vigorous growth and of a more luxuriant foliage than the scarlet flowering golden-leaved Verbena, per pkt. .25

May's Colossal Mignonette. (See Page 116.)



Giant Cyclamen. (See Page 111.)



Eckford's Sweet Peas. (See Page 120.)



✻ SWEET ✻ PEAS ✻

ECKFORD'S NOVELTIES for 1890.

Our stock is obtained direct from the originator, Mr. Henry Eckford, who was awarded a certificate of merit by the Royal Horticultural Society last July, and is constantly in receipt of letters expressing approval of the great merit of his Sweet Peas.

- Captain of the Blues.** The standards bright purple blue, with pale blue wings; a very striking and fine variety, per pkt. .25
- Countess of Radnor.** Pale mauve standards, with a deeper shading of mauve; wings pale lilac or delicate mauve, per pkt. .25
- Miss Hunt.** Pale carmine, salmon standards, with soft pink wings; very pretty indeed. per pkt. .25
- Mrs. Gladstone.** Delicate pink standards; the wings blush, edged with delicate pink; a singularly pretty and pleasing variety, per pkt. .25
- Mrs. Sankey.** Pure white, a large bold flower; a fine improvement on all other *Whites*; very grand, per pkt. .25
- Primrose.** A near approach to a *Yellow Sweet Pea*, quite novel and distinct in color; the standards and wings, pale *primrose yellow*. *Awarded First-Class Certificate by the Floral Committee of the R. H. S., in 1887,* per pkt. .25
- Purple Prince.** Maroon standards, shaded with bronze, and purple blue wings; very fine and distinct. per pkt. .25

(One pkt. each of the above seven new varieties for \$1.25).

The following older sorts are introductions of Mr. Eckford from year to year.

- Apple Blossom.** The standards are bright pinkish rose, the wings blush, a beautiful apple blossom shade, very pretty and distinct, per pkt. .10
- Boreatton.** A very fine dark pea with bold stout flowers, color deep maroon, per pkt. .15
- Cardinal.** Bright shining crimson scarlet, superb variety, per pkt. .10
- Carmine Invincible.** Intense carmine, large flower, distinct, per pkt. .05
- Delight.** Wings white, standards white, beautifully crested with crimson; very pretty, per pkt. .15
- Duchess of Edinburgh.** Scarlet, flushed with crimson, very pleasing. per pkt. .15
- Fairy Queen.** Flesh colored, per pkt. .05
- Imperial Blue.** Bright blue wings, slightly shaded with mauve, the standard being rich purplish crimson, per pkt. .10
- Indigo King.** Dark maroon purple standard, and clear indigo blue wings per pkt. .10
- Isa Eckford.** Creamy white, suffused with rosy pink, per pkt. .10
- Orange Prince.** Standard bright orange pink, flushed with scarlet, very scarce, per pkt. .25
- Princess of Wales.** Shaded and striped with mauve on white ground; very fine, per pkt. .10
- Princess Beatrice.** Beautiful carmine rose, per pkt. .05
- Queen of the Isles.** Bright scarlet, mottled with white and purple, per pkt. .05
- Queen of England.** A new white variety of extra large size and substance per pkt. .25
- Splendour.** Rich bright pinkish rose, shaded with crimson; flowers large and of finest form per pkt. .10
- The Queen.** Light rosy pink standard, and light mauve wings per pkt. .05
- Vesuvius.** Brilliant carmine, shading to purple and spotted with crimson dots, per pkt. .05
- (One pkt. each of the above eighteen varieties for \$1.50).*
- Eckford's Large-Flowered, Mixed.** Made up of above sorts, per oz. .25 per pkt. .10

THE NEW GLADIOLUS.

Snow White or Hyde's White.



Gladiolus, Snow White.

they have no equal. Emblazoned with the most intense, burning and inexpressibly rich shades; they are truly wonderful. In the blotch, which is a remarkable and typical feature, the coloring reaches the climax. .60 per doz. \$4.00 per hund.

ANEMONES AND RANUNCULUS.

Beautiful flowers of various colors, easily cultivated and well adapted for pot or garden culture; plant in a light rich porous soil 3 inches deep and 1 foot apart.

Anemones, mixed, 50 cents doz.

Ranunculus, mixed, 50 cents doz.

CRINUM.

Amaryllis-like plants, with large foliage and showy flowers. They delight in a rich soil, and plenty of water when growing, and require plenty of pot room.

Capense Alba. *White.* Capense Rosea. *Rose.* 50 cents each.

ISMENE CALATHINUM.

These bulbs require to be kept perfectly dry during winter, and planted out in the spring, when the ground is warm. They flower in June and July; pure white and very fragrant. Price 30 cents each.

VALLOTA PURPUREA (Scarborough Lily).

Amaryllis-like flowers, produced in clusters on a stalk about 1½ ft. high of a brilliant purplish scarlet color, they thrive best in a soil composed of equal parts loam, leaf mould and sand. The bulbs should be placed 3 or 4 inches below the surface and should not be disturbed for several years, during which time they will have established themselves and produce masses of bloom. During growing season a soaking of liquid manure will prove very beneficial. Price 75 cents each.

The following is the introducers description:

It is the best White Gladiolus ever grown. The flowers are well formed, and have a paper whiteness we have never seen in any other sort. The flowers are of exceptional substance, lasting a remarkable length of time when cut. Every flower on the spike can be used individually for cut flower work. The spikes are of good size, set solidly and perfectly with the florets from bottom to top. The petals are gracefully recurved, and, in many cases, beautifully crisped. Under ordinary circumstances nearly the entire flower is a perfect paper-white with a slight cream shade on lower half of the lower petal. A faint line of purple extends about half way through the lower petal. When planted late, and the nights become very cool, I have seen it streaked with pink more than at any other time; even then, if the spikes are cut and placed in water when the four lower flowers are open, no trace of pink will appear. If at any season of the year the spikes are cut when the first two or four lower flowers open and are allowed to develop in water, it is positively snow-white. It is a good grower; bulbs healthy and strong, and in very many cases produces three spikes and three bulbs from one. To get the largest flowers and spike, cut off all but one spike. Price .50 each; \$5.00 dozen; 25 for \$9.00, 50 for \$15.00.

GLADIOLUS, LEMOINE'S HYBRIDS.

HALF HARDY.—This brilliant and remarkable class of Gladioli was originated and introduced by Mr. Lemoine, of France. For vivid and rich orchid-like coloring,



GLADIOLUS, New California Strain.

GLADIOLUS BULBS.

THE NEW CALIFORNIA STRAIN.

Unequaled for Beauty, Variety and Sun Enduring Qualities.

In producing this new strain a million or more of seedlings have been raised and a careful selection carried on for twelve years; they have extremely large bold flowers, often five inches across a single bloom; of great substance, clustered on stiff, compact low-growing spikes, and will endure the fiercest sun and wind for days without injury. *The following is a clipping from one of the California Papers:*

Mr. Burbank in the Gladioli has had a marked success, obtaining an entire new strain of what we may call giant dwarfs. They should be called the Little Giant Strain. These new ones are on stiff, strong stems, two and one-half to three feet high—old forms more than a foot taller, with weak stems. The flowers are very large. In this I determined to be exact, so made careful measurements, and found flowers five and one-eighth inches in expanse of petals, while the largest bloom of the old sorts I could find in Santa Rosa and Petaluma gardens measured only two and three-quarter inches. The petals of the old sorts are thin and will not withstand California's bright sun for any length of time. The new Burbank strain have thick, stiff, nearly fleshy petals, and endure several days. The strain has all the usual fine colors and markings, with many entirely new and fine combinations.—D. B. Wier in Pacific Rural Press.

We offer the following Varieties:

- Santa Rosa.** One of the best of the new dwarfs, particularly attractive flower; dark flesh pink with a salmon sheen, streaked purplish crimson and sometimes with black; edges of petals charmingly tipped with white. Multiplies rapidly. Strong, blooming bulbs, each, \$2.00
- California.** The flowers of this remarkable freak are *closely packed all around the spike* like a hyacinth, and are often **DOUBLE**, having from ten to sixteen petals each; light cherry rose, striped lilac crimson. A single bulb produces from three to five enormous spikes, very beautiful, and strikingly distinct. Strong blooming bulbs, each, \$2.00
- Mariposa.** Very attractive large open flower of great substance, purest snow-white striped and flaked with cherry crimson and sometimes varying from almost pure white to cherry red. Strong blooming bulbs, each, \$1.00
- Shasta.** Unequaled for abundance of flowers which are white flaked and shaded carmine rose; flowers closely set on the spike; multiplies with astonishing rapidity. Bulbs, each, .50
- Modesto.** Light crimson, streaked, striped and mottled with purplish crimson. Bulbs each, .50
- Mono.** Similar to Shasta, but the whole flower has a strong salmon shade. Bulbs each, .50
- Yolo.** Pure rich deep crimson. Bulbs each, \$1.00
- Pohono.** Large flower, light purplish rose; multiplies rapidly. Bulbs each, .50
- Cisco.** Clear rose pink, with salmon tint. Bulbs each, .50
- Igo.** Quite dwarf, large open flower, varying from shrimp pink to carmine; blazed and striped amaranth. Bulbs each, .50

The Complete Set of Ten Varieties, One Bulb Each, for \$8.

Unnamed Varieties Mixed. 10c. each: \$1.00 doz.

Gladiolus Seed. Fresh plump seed gathered from all the above collection, per packet, .10

DWARF FRENCH CANNAS.

The following varieties are remarkable for size and color of their flowers, and their graceful, sub-tropical, highly ornamental foliage, together with their dwarf habit of growth, which is about three feet, the flowers are of the most brilliant colors, and in size and shape resemble the gladioli. These dwarf varieties are fast becoming the most important plants for garden and general decoration. They make fine pot plants for winter.

Antoine Chantine. Very rich crimson	each	.50
Jules Chretien. Magnificent purple	"	.50
Adolph Weick. Clear bright crimson	"	.25
Abundance. Rich yellow with crimson spots	"	.25
Mixed Sorts. Grown from seed last season. Dry roots .15 each, \$1.50 doz. Started roots .20 each, \$2.00 doz.		

We also have a fine stock of Canna Robusta, the large growing dark leaved sort, Dry roots .10 each, \$1.00 doz. Started roots .15 each, \$1.50 doz.

DAHLIAS.

CACTUS VARIETIES.

EACH.	EACH.
Miss Jekyll (New) Terra Cotta	Empress of India. Deep crimson, shaded .25
Prof. Baldwin, (New) Bright Orange .50	King of Cactus. Reddish crimson .25
Sir Trevor Lawrence, (New) Cherry Scarlet .50	Lady Kerrison. Yellow, crimson edge .25
W. T. Aberly, (New) Pure white edged with scarlet	Lady M. Marsham. Deep salmon .25
Cochineal. Crimson shaded	Mrs. A. W. Tait. Pure white
Charming Bride. White, pink tips	Mrs. Hawkins. Sulphur yellow
	Prince Alexander. Fawn and salmon .25
	Wm. Pearce. Rich yellow

SINGLE VARIETIES.

EACH.	EACH.
Isaac Pitman, (New) Lilac, crimson stripe .50	John Downie. Intense crimson
John Hummerston, (New) Buff, red stripe .50	Mauve Queen. Mauve white rays
Kate, (New) Bright orange maroon	Miss Gordon. Purplish crimson
Miss Ramsbottom, (New) Pink, shaded .50	Miss Linaker. Bright cherry red
Albert Victor. Deep crimson lake	Mrs. Coninck. White, mauve shade
Amos Perry. Deep velvety maroon	Negress. Very dark maroon
Chilwell Beauty. Yellow, scarlet edge	Scotch Lassie. Buff, rose stripe
Dinah Gruillemans. Rosy lake	Squire Gammie. Pale magenta
Empress. Pure white	Thereis. White, pink stripe
	Wm. Potten. Bright vermilion
	Zephyr. Crimson and bronze

SMALL FLOWERED DOUBLE VARIETIES.

These are known as Pompon, Liliputian or Bouquet Dahlias. See Page 69.

DOUBLE PERENNIAL SUNFLOWER (DAHLIA SUNFLOWER.)

The Golden Gem. The only really pure yellow double sunflower with flowers of medium size. The effect of a single plant is really beautiful, with its very symmetrical pyramidal growth, its rich dark green leaves and gold-colored blossoms. The flowers are from 3 to 4 inches in diameter, as double as any double Dahlia, and covering the plant from the ground to the top. It is unsurpassed as a cut flower at a season when most other flowers wilt and fade in a few hours, lasting fully a week more. It is one of the most desirable plants, and should be in every collection. It should have a sunny position and a rich soil. Each 15 cts.; 4 for 50 cts., by mail; 10 for \$1.00 by express.

HARDY DOUBLE BORDER OR MOUND PINK.

This is the best border pink we know of; if given room they will make perfect mounds and finally run together and make a solid border. The flowers are double and of a delicate pink shade, *very fragrant* and borne on long stems well above the foliage, which is a very pleasing green. Propagated by division of the root, and should be in every garden. 15 cts. each; \$1.25 per doz., price per hundred upon application.

MOON FLOWER, NEW HYBRID.

(*Ipomea Noctiflora Hybrida.*)

The white and black seeded IPOMEA NOCTIFLORA was "crossed," and the seed produced plants partaking of qualities and characteristics of each. The vine equals either in its luxuriance of growth and number of blooms, which are larger than those of the black-seeded variety, and average nearly as large as white-seeded; whilst the plants this season are in FULL BLOOM 30 to 45 days before the white-seeded, which makes it a decided acquisition for growing far North. It matures seed which are generally black and brown, though some are parti-colored black and white and larger than original black seed. Plants each 15 cts. \$1.50 per dozen, by express.

DAISIES, NEW, LARGE FLOWERED.

The Bride. Very large, perfectly double, pure white flowers. \$1.00 per dozen.	|	Crimson Gem. Flowers of a beautiful deep crimson color, large size. \$1.00 per dozen.
--	--	---

GIANT PANSIES.

Bugnot's. The finest strain ever grown for size, colors, and markings, . . .	\$1.00 per doz.
Improved Giant. A fine strain of large size, . . .	50 cents doz. \$4.00 per hund.

PERENNIAL PHLOX.

One of the best and most popular garden plants, they are easily cultivated, growing well in any ordinary garden soil, and no plants are more attractive than a bed of these from midsummer until frost. We have a very fine assortment of some of the newer kinds in a great variety of colors. Price 25 cents each. \$2.50 per doz.

DELPHINIUM BRECKII.

The *Breckii* is a seedling raised by the late Hon. Joseph Breck over twenty years ago, and is without exception the finest blue Larkspur in cultivation, either for making a brilliant show in massing or for using for cut flowers. It is one of the most important additions to our list of hardy herbaceous perennials, and is perfectly adapted for the flower border and for massing in beds. The characteristics which place it ahead of all other plants are its freedom of bloom and the charming color of its flowers, which are the most vivid, ultramarine blue imaginable. *The stock of this is very limited.* Price \$1.00 each.

DODECATHEON MEDIA. (Shooting Star.)

Hardy herbaceous perennial with large Cyclamen-like flowers of a rosy purple color, they are admirably adapted for sheltered parts of the rock garden, or for borders, succeeding best in moist positions and in a compost of leaf mould and loam. Price 15 cents each. \$1.50 per doz. by mail, postpaid.

☀ RARE AND CHOICE SHRUBS, ETC. ☀

Clematis Davidiana.

A New Species of Hardy Clematis of Great Beauty and Exquisite Fragrance.

A stout, upright perennial, three feet in height, with whorls of fifteen to twenty "porcelain blue" blossoms in the axils of the leaves, which compose a solid mass of flowers three to four inches across. These flowers are almost exactly like those of the Hyacinth in form and size, while the fragrance is exceedingly like that of Orange blossoms. This Clematis is a very robust grower, in any soil, and is perfectly hardy at Boston. It seems destined to be universally planted, on account of its great beauty, its delicious fragrance and its great vigor. Landscape gardeners say that its rustic habit and its fragrance will make it a plant of great value to them. Price 50 cents each.

CRATÆGUS LELANDI. (Hawthorn.)

A hardy evergreen shrub with glossy foliage, producing large flat clusters of bright orange-scarlet berries, these clusters in strong plants being six inches across, the color is very brilliant and striking, and the plant is a remarkable addition to our berry bearing shrubs. It is perfectly hardy, thrives in almost any soil or situation and very vigorous. The smallest plants bear berries in quantities. Price 75 cents and \$1.00 each according to size.

BERBERIS THUNBERGII. (Berberry.)

Is one of the most pleasing foliage plants to be found; round shrub with drooping branches, and thick fronds of roundish leaves, turning crimson in the fall, making it very distinct. For a low ornamental hedge we know of nothing equal to it, and for the use of landscape gardeners its value is sure to be appreciated. Large, bushy plants, each 50 cents.

ELÆAGNUS LONGIPES.

A rather low growing perfectly hardy shrub from Japan, the leaves are dark green above with the under side covered with white down, the flowers are yellow but inconspicuous, while the fruit is very ornamental. It ripens in July, is oblong, about one-half inch long, bright red and covered with minute white dots, is juicy and edible, with a sharp, rather pungent agreeable flavor which to some is preferable to the currant or gooseberry. We offer this beautiful shrub in plants two feet high, each \$1.00

GAILLARDIA ARISTATA. (Templetonia.)

A new variety of an old species, and which has proved one of the very best *hardy* perennial plants; it grows from 2 to 3 feet high and wide, and flowers continually from middle of June to November, a rare quality in a hardy plant. The flowers are richly shaded orange, brown and crimson, from 2 to 3 inches in diameter. Price .25 each, \$2.00 per dozen. Seed of New Perennial Sorts, per pkt. 10 cents.

HELENIUM AUTUMNALE.

An erect native plant 4 to 5 feet high, much branched, with corymbed heads of many large, shining, yellow blossoms. Remarkably showy and attractive. One of our very best fall blooming plants, each 25 cents.

PYRUS MALUS PARKMANII (The Tea Rose Crab.)

This splendid new tree was brought from Japan in 1862, and presented to Francis Parkman, the historian, and is the chief attraction of his famous garden to this day. Its habit of growth is like that of a fine thorn, and its foliage is very thick and glossy, lighting up in autumn with glowing crimson like a maple. *But the blossoms and buds are the great charm. Its buds are long and pointed like those of tea roses,* and the stems are so very long and slender that the buds and blooms droop gracefully on them. Then its habit is to bloom from all the buds, even to the tips of the last year's twigs, which fairly covers

the tree with blossoms. *Its color is rich carmine in bud and light carmine in the open blossoms.* No other tree of the apple family has a pointed bud, and this fact renders this tree very remarkable. Nothing comes so near the ideal "ROSE TREE," as does this lovely species, and its glorious profusion of these elegant drooping buds and blooms in May is not equalled by any other tree which our cold climate will produce.

Price 50 cents, 75 cents and \$1.00 each according to size.

ROSA RUGOSA. (Japanese Roses.)

Rubra (Red.) These are valuable for planting in almost every conceivable position; succeeding alike in the ordinary border, in the shrubbery border, or upon the rockery. They form comparatively large, thick, close bushes, composed of particularly attractive, very deep green, glossy foliage, which is studded with single beautiful red flowers in the wildest profusion. They flower more or less from early summer until the autumn, and are succeeded by fruits of almost gigantic proportions, which are of a bright crimson-scarlet color, so showy that it is difficult to say whether the plants are more effective in flower or fruit; suffice it to say, however, that in either state they are more than ordinarily attractive, and should be allotted a position in every garden, Each 50 cents.

Alba (White.) This is the famous white form of these new roses, and it is a plant of superb beauty, and one that harmonizes well with either a natural landscape or with a more gardenesque style of planting. Its pure "paper-white" blossoms are very large, and are produced all summer. It is a single rose to delight the heart of all lovers of nature, and grows in even coarse, poor soil with great vigor, Each 50 cents.

POLYANTHA OR FAIRY ROSES.

This class should be known as "Fairy Roses." Their very small and perfect flowers seem to be the work of fairies, so delicate in shape are their forms; while for number of blossoms they are unapproachable, besides which, they have proven to be perfectly hardy, with some protection. The colors are *White, Pink, and Buff.* Price 25 cents and 50 cents each according to size.

STYRAX JAPONICA.

A new Japanese low growing shrub, or dwarf tree; small dogwood-like leaves and smooth bark; branches horizontal and very picturesque in appearance. Flowers small, white and bell-like in shape, hanging along the branches on long pedicels, Each 75 cents.

SPIREA VAN HOUTEI.

A new Spiræa which forms a round, graceful pendulous bush, 2 to 3 ft. high, with rich, glossy trifoliate leaves. It is of the most simple cultivation possible. Plant a small bush of it anywhere you please, and, like a lilac, it always comes along and develops beautifully. It is a valuable bush that keeps a rich color, and a clean surface to its foliage all through the heat of summer; and we are more dependent upon good foliage than upon good flowers to make our shrubberies a success and a pleasure. But this new species, which is only equalled as a foliage plant by the exquisite Spiræa Thunbergii, far surpasses all other members of this great family in the superb beauty and gracefulness of its blossoms. Whole rows of them in the nursery were completely hidden in masses of pure white blossoms last May, and were the admiration of all who saw them. Price 25 cents, 50 cents and 75 cents each, according to size.

SYRINGA JAPONICA. (Tree Lilac.)

In the most northern corner of Japan was found this strange tree. A lilac that grows 30 to 40 feet high, and produces clusters of white blossoms that have been measured here at Boston, on young trees, 16 inches wide and 24 inches long. This is a novelty of highest merit, and such a one is seldom offered. 1 to 3 feet high, \$1.00 to \$3.00 each.

WEEPING LILAC.

A small lawn tree of perfect drooping habit, with foliage of much beauty, and bearing white clusters of blossoms with the odor of honey. This tree was exhibited at the annual show of the Mass. Hort. Society, and was awarded a first-class certificate of merit. *Leading nurserymen call it the most beautiful of all our weeping trees,* Each \$3.00.



CHRYSANTHEMUMS.

THE NEESIMA COLLECTION.

From this famous collection which was introduced by us, we have selected seven of the very finest varieties which we describe below, and *which are acknowledged by Old Growers and Amateurs to be the most beautiful and distinct collection of varieties ever offered.* During the late Chrysanthemum show in our city by the Mass. Hort. Society, where they were on exhibition, *they were the centre of attraction and greatly admired for their unique form and attractive colors.*

Mrs. Alpheus Hardy. *Awarded a silver medal by the Mass. Hort. Society.*

The flower is very large, double, and pure white, with long, broad petals, beautifully incurved, the tips of which are thickly covered on their outer surface with a hair-like growth which gives the flower a curious cottony appearance, a peculiarity never before seen in the Chrysanthemum,
Each 25 cents.

Mrs. Fottler. Very large and full double flowers, composed of long pointed petals. *The color is a clear, soft rose, a very rare shade among these flowers,* Each 25 cents.

Neesima. Flowers very large and perfectly double. *The color is a pure deep orange yellow.*
A very strong grower and free bloomer, Each 25 cents.

Lillian B. Bird. A very large double flower, with long quilled petals, color is a very clear flesh pink, a shade never before obtained in this flower, Each 25 cents.

Wm. H. Lincoln. An immense full double flower, with slightly incurved petals; the color is pure yellow. *It is of perfect habit, a strong grower and free bloomer. Received the Appleton Silver Medal at Boston, Nov. 14, 1888,* Each 25 cents.

Kioto. A very large incurved flower. *The color is deep yellow, with a peculiar waxy lustre. Received a first class certificate at Boston and New York, Nov. 8, 1888,* Each 25 cents.

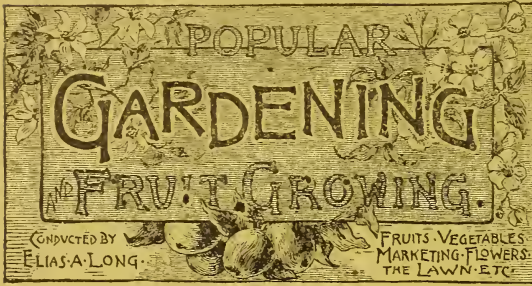
Belle Hickey. (*Syn. Empress of India.*) A large, perfectly incurved flower of the purest white *Its incurved form is always retained,* and the plant is of very fine habit, Each 25 cents.

	EACH.
Alcyon. Deep rose, shaded lilac. <i>Japanese,</i>	\$0.15
Belle Paule. Pure white tinged with carmine. <i>Japanese,</i> . . . . .	.15
Blanche Precose. Fine white. <i>Chinese,</i> . . . . .	.15
Clarence Bryant. Lemon color, long feathery petals. <i>Japanese,</i> . . . . .	.15
Christmas Eve. Pure white, twisted florets. <i>Japanese,</i> . . . . .	.15
Domination. Largest pure white. <i>Japanese,</i> . . . . .	.15
Fair Maid of Gurnsey. Pure white, long straight petals. <i>Japanese,</i> . . . . .	.15
Grandiflorum. Large golden yellow. <i>Japanese,</i> . . . . .	.15
H. A. Gane. Clear rose pink. <i>Japanese,</i> . . . . .	.15
Jeanne d'Arc. White streaked with lilac. <i>Japanese,</i> . . . . .	.15
Golden Christine. Bronze yellow. <i>Chinese,</i> . . . . .	.15
Jardin des Plantes. Large, incurved, pure yellow. <i>Japanese,</i> . . . . .	.15
Mabel Ward. Primrose yellow. <i>Chinese,</i> . . . . .	.15
Mad. C. Audiguier. Large fine rose. <i>Japanese,</i> . . . . .	.15
Medusa. Large, pure white, long, drooping ribbon-like petals, . . . . .	.25
Moonlight. Large, white fine. <i>Japanese,</i> . . . . .	.15
Mrs. C. H. Wheeler. Orange and crimson. <i>Japanese,</i> . . . . .	.15
Mrs. H. Cannell. Large, pure white, sometimes quilled. <i>Japanese,</i> . . . . .	.15
Nippon. Pink, centre lighter. <i>Japanese,</i> . . . . .	.25
Nymphæa. White with water lily fragrance. <i>Chinese,</i> . . . . .	.15
Pres. Hyde. Rich yellow. <i>Japanese,</i> . . . . .	.15
Wm. Elliott. Deep lake color. <i>Japanese,</i> . . . . .	.15
Yeddo. Bright yellow, twisted petals. <i>Japanese,</i> . . . . .	.15

LEADING MAGAZINES AND PAPERS

—ON—

AGRICULTURE, ✦ FLORICULTURE ✦ AND ✦ POULTRY.



We take pleasure in informing our readers that we are authorized to receive subscriptions for this superior Dollar Horticultural monthly, both new and old, at the regular price of \$1.00 a year. New subscriptions must in all cases be marked "new," and renewals "old." Transfers in the same family cannot count as new, they must be marked "old." Subscriptions may begin with any month and may be sent to us either separately or in connection with orders for any stock chosen from our catalogue. . . . per year, \$1.00

	Per year.
FARM AND HOME. Semi-Monthly Journal, published in Springfield, Mass. . . . .	.50
AMERICAN POULTRY JOURNAL. Monthly Magazine, published in Chicago, Ill,	1.00
AMERICAN GARDEN. Monthly Journal, published in N. Y. City	1.00
AMERICAN FLORIST. Semi-Monthly Journal, published in Chicago, Ill	1.00
ORANGE JUDD FARMER. Weekly Journal, published in Chicago, Ill	1.00
AMERICAN POULTRY WORLD. Monthly Magazine, published in Hartford, Conn.,	1.25
AMERICAN AGRICULTURIST. Monthly Journal, in English or German, published in N. Y. City	1.50
AMERICAN POULTRY YARD. Weekly Paper, published in Hartford, Conn.	1.50
N. E. HOMESTEAD. Weekly Paper, published in Springfield, Mass	2.00
GARDEN AND FOREST. Weekly Journal, published in N. Y. City	4.00

We shall be pleased to have sample copy of any of the above mailed to any of our customers desirous of subscribing for the same.

Any customer desiring to subscribe for any of the above and not wishing to take advantage of the *offers below* will receive a present from us, some *choice plant free by mail*, our own selection.

OFFER No. 1.

On all orders from this catalogue, accompanied by the money amounting to \$2.00 for seed in packets, we will send free for one year the Farm and Home.

OFFER No. 2.

On all orders from this catalogue accompanied by the money amounting to \$3.00 for seed in packets, we will send free for one year either the Popular Gardening, American Poultry Journal, American Garden, American Florist, or Orange Judd Farmer.

OFFER No. 3.

On all orders from this catalogue accompanied by the money amounting to \$4.00 for seed in packets, we will send free for one year either the American Poultry World, American Agriculturist or American Poultry Yard.

OFFER No. 4.

On all orders from this catalogue accompanied by the money amounting to \$6.00 for seed in packets, we will send free for one year either the N. E. Homestead or one each from offers No. 1 and No. 3.

OFFER No. 5.

On all orders from this catalogue accompanied by the money amounting to \$10.00 for seed in packets, we will send free for one year either the Garden and Forest or one each from offers No. 1, No. 2 and No. 3.

We have tried to make the terms plain that there may be no misunderstanding. Remember that the money must accompany the order. The order must be for seeds in packets only, and not by weight or measure, and when an order is sent that is entitled to any of the above premiums, they shall be selected and mentioned in the order. Failing to comply with these conditions we must decline to honor subsequent demands.

LAWN MOWERS

CLEANED AND SHARPENED.

for \$1.50 each.


THE GRANITE STATE

IS THE BEST IN THE MARKET.

See page 97 for prices which are greatly reduced.

CALL AND EXAMINE.

Satisfaction Guaranteed or Money Refunded.

—————

Beautifully Illustrated.

Garden and Forest

is acknowledged throughout the world to be the best horticultural paper ever published in America for Americans. It is practical and popular, and at the same time scientifically accurate. Its editors and contributors are the authorities in their several departments. It is invaluable to the OWNERS OF COUNTRY AND SUBURBAN HOMES, LANDSCAPE GARDENERS, BOTANISTS, HORTICULTURISTS, LOVERS OF NATURE AND NATURAL BEAUTY, and to all who would cultivate a correct taste in matters pertaining to the DISPOSITION AND MANAGEMENT OF GARDENS AND GROUNDS, whether public or private. The paper enters on its third year with the first issue for 1890.

FRANCIS PARKMAN says :

“GARDEN AND FOREST is an honor to the periodical literature of the country.”

H. P. WALCOTT, president of Massachusetts Horticultural Society, says :

“It is the best horticultural journal we have had in this country.”

SENATOR EDMUNDS says :

“GARDEN AND FOREST is taken in my family, and read with much interest by us all. I consider it one of the very best publications of the kind I have ever seen.”

R. W. GILDER, editor of the Century, says :

“It is one of the most intelligently edited, most refined, and most able of current periodicals. . . . One of the best teachers in matters of taste that we have ever had in this country. In its special branches it not only teaches the public, but teaches the teachers.”

BRANDER MATTHEWS says :

“It is doing a wholesome work in teaching us to have a greater enjoyment in the artistic suggestion of nature.”

Published weekly. Conducted by Professor C. S. Sargent, Director of the Arnold Arboretum, Harvard University. Subscription price, \$4.00 a year. Single copies, 10 cents each. Address,

GARDEN FOREST,

Tribune Building, New York.

Quantity of Seeds usually sown to the Acre.

<table border="0" style="width: 100%;"> <tr><td>Beans, Dwarf, in drills or rows</td><td>1½ bush.</td></tr> <tr><td>“ Pole, in hills</td><td>8 to 12 qts.</td></tr> <tr><td>Beet, in drills</td><td>6 to 8 lbs.</td></tr> <tr><td>Barley, broadcast</td><td>2 to 3 bush.</td></tr> <tr><td>Buckwheat, broadcast</td><td>¾ to 1 bush.</td></tr> <tr><td>Broom Corn, in hills</td><td>6 to 8 qts.</td></tr> <tr><td>Carrot, in drills</td><td>2 to 3 lbs.</td></tr> <tr><td>Cucumber, in hills</td><td>1 to 2 lbs.</td></tr> <tr><td>Corn, in hills</td><td>8 qts.</td></tr> <tr><td>“ in drills for soiling</td><td>3 bush.</td></tr> <tr><td>Clover, Red, alone</td><td>15 to 20 lbs.</td></tr> <tr><td>“ White, alone</td><td>10 to 15 “</td></tr> <tr><td>“ Alsike, alone</td><td>8 to 10 “</td></tr> <tr><td>“ Lucerne, alone</td><td>20 “</td></tr> <tr><td>Flax, broadcast</td><td>1 to 2 bush.</td></tr> <tr><td>Grass, Herds or Timothy, alone</td><td>½ “</td></tr> <tr><td>“ Red-Top, alone</td><td>3 “</td></tr> <tr><td>“ Rhode Island Bent, alone</td><td>3 “</td></tr> <tr><td>“ Lawn, alone</td><td>4 “</td></tr> <tr><td>“ Orchard, alone</td><td>2 to 3 “</td></tr> <tr><td>“ Fowl Meadow, alone</td><td>1 to 2 “</td></tr> <tr><td>“ Kentucky Blue, alone</td><td>2 to 3 “</td></tr> <tr><td>“ English Rye-Grass, alone</td><td>2 “</td></tr> </table>	Beans, Dwarf, in drills or rows	1½ bush.	“ Pole, in hills	8 to 12 qts.	Beet, in drills	6 to 8 lbs.	Barley, broadcast	2 to 3 bush.	Buckwheat, broadcast	¾ to 1 bush.	Broom Corn, in hills	6 to 8 qts.	Carrot, in drills	2 to 3 lbs.	Cucumber, in hills	1 to 2 lbs.	Corn, in hills	8 qts.	“ in drills for soiling	3 bush.	Clover, Red, alone	15 to 20 lbs.	“ White, alone	10 to 15 “	“ Alsike, alone	8 to 10 “	“ Lucerne, alone	20 “	Flax, broadcast	1 to 2 bush.	Grass, Herds or Timothy, alone	½ “	“ Red-Top, alone	3 “	“ Rhode Island Bent, alone	3 “	“ Lawn, alone	4 “	“ Orchard, alone	2 to 3 “	“ Fowl Meadow, alone	1 to 2 “	“ Kentucky Blue, alone	2 to 3 “	“ English Rye-Grass, alone	2 “	<table border="0" style="width: 100%;"> <tr><td>Millet, Hungarian, alone</td><td>½ to 1 bush.</td></tr> <tr><td>“ Large, alone</td><td>½ to 1 “</td></tr> <tr><td>Mustard, broadcast</td><td>12 to 16 qts.</td></tr> <tr><td>Oats, broadcast</td><td>2 to 3 bush.</td></tr> <tr><td>Onion, in drills</td><td>4 to 6 lbs.</td></tr> <tr><td>Parsnip, in drills</td><td>4 to 6 “</td></tr> <tr><td>Peas, Early, in drills</td><td>1¼ to 1½ bush.</td></tr> <tr><td>“ Marrow, in drills</td><td>1¼ to 1½ “</td></tr> <tr><td>“ broadcast</td><td>3 “</td></tr> <tr><td>Potato, cut tubers, in drills</td><td>8 to 10 “</td></tr> <tr><td>Radish, in drills</td><td>8 to 12 lbs.</td></tr> <tr><td>Rye, broadcast</td><td>1½ bush.</td></tr> <tr><td>Salsify, in drills</td><td>6 to 8 lbs.</td></tr> <tr><td>Spinach, in drills</td><td>8 to 12 “</td></tr> <tr><td>Turnip, in drills</td><td>1 to 1½ “</td></tr> <tr><td>Vetches, broadcast</td><td>2 to 3 bush.</td></tr> <tr><td>Wheat, broadcast</td><td>1½ “</td></tr> </table>	Millet, Hungarian, alone	½ to 1 bush.	“ Large, alone	½ to 1 “	Mustard, broadcast	12 to 16 qts.	Oats, broadcast	2 to 3 bush.	Onion, in drills	4 to 6 lbs.	Parsnip, in drills	4 to 6 “	Peas, Early, in drills	1¼ to 1½ bush.	“ Marrow, in drills	1¼ to 1½ “	“ broadcast	3 “	Potato, cut tubers, in drills	8 to 10 “	Radish, in drills	8 to 12 lbs.	Rye, broadcast	1½ bush.	Salsify, in drills	6 to 8 lbs.	Spinach, in drills	8 to 12 “	Turnip, in drills	1 to 1½ “	Vetches, broadcast	2 to 3 bush.	Wheat, broadcast	1½ “
Beans, Dwarf, in drills or rows	1½ bush.																																																																																
“ Pole, in hills	8 to 12 qts.																																																																																
Beet, in drills	6 to 8 lbs.																																																																																
Barley, broadcast	2 to 3 bush.																																																																																
Buckwheat, broadcast	¾ to 1 bush.																																																																																
Broom Corn, in hills	6 to 8 qts.																																																																																
Carrot, in drills	2 to 3 lbs.																																																																																
Cucumber, in hills	1 to 2 lbs.																																																																																
Corn, in hills	8 qts.																																																																																
“ in drills for soiling	3 bush.																																																																																
Clover, Red, alone	15 to 20 lbs.																																																																																
“ White, alone	10 to 15 “																																																																																
“ Alsike, alone	8 to 10 “																																																																																
“ Lucerne, alone	20 “																																																																																
Flax, broadcast	1 to 2 bush.																																																																																
Grass, Herds or Timothy, alone	½ “																																																																																
“ Red-Top, alone	3 “																																																																																
“ Rhode Island Bent, alone	3 “																																																																																
“ Lawn, alone	4 “																																																																																
“ Orchard, alone	2 to 3 “																																																																																
“ Fowl Meadow, alone	1 to 2 “																																																																																
“ Kentucky Blue, alone	2 to 3 “																																																																																
“ English Rye-Grass, alone	2 “																																																																																
Millet, Hungarian, alone	½ to 1 bush.																																																																																
“ Large, alone	½ to 1 “																																																																																
Mustard, broadcast	12 to 16 qts.																																																																																
Oats, broadcast	2 to 3 bush.																																																																																
Onion, in drills	4 to 6 lbs.																																																																																
Parsnip, in drills	4 to 6 “																																																																																
Peas, Early, in drills	1¼ to 1½ bush.																																																																																
“ Marrow, in drills	1¼ to 1½ “																																																																																
“ broadcast	3 “																																																																																
Potato, cut tubers, in drills	8 to 10 “																																																																																
Radish, in drills	8 to 12 lbs.																																																																																
Rye, broadcast	1½ bush.																																																																																
Salsify, in drills	6 to 8 lbs.																																																																																
Spinach, in drills	8 to 12 “																																																																																
Turnip, in drills	1 to 1½ “																																																																																
Vetches, broadcast	2 to 3 bush.																																																																																
Wheat, broadcast	1½ “																																																																																

General Grass-Seeding for Mowing-Lands.

Clover,	} together	
Timothy,	} for	{ 8 lbs. Clover.
Red-Top,	} one acre.	{ ½ bu. Timothy.
		{ 1 bu. Red-Top.

Quantity of Seeds required for a Given Number of Plants, or Number of Hills, or Length of Drill.

<table border="0" style="width: 100%;"> <tr><td>Asparagus</td><td>1 oz. to 60 ft. of drill.</td></tr> <tr><td>Beet</td><td>1 oz. to 50 “ “</td></tr> <tr><td>Beans, Dwarf</td><td>1 qt. to 100 “ “</td></tr> <tr><td>“ Pole</td><td>1 qt. to 150 hills.</td></tr> <tr><td>Carrot</td><td>1 oz. to 150 ft. of drill.</td></tr> <tr><td>Cabbage</td><td>1 oz. to 3,000 plants.</td></tr> <tr><td>Cauliflower</td><td>1 oz. to 3,000 “</td></tr> <tr><td>Celery</td><td>1 oz. to 4,000 “</td></tr> <tr><td>Cucumber</td><td>1 oz. to 50 hills.</td></tr> <tr><td>Corn</td><td>1 qt. to 400 “</td></tr> <tr><td>Dandelion</td><td>1 oz. to 200 ft. of drill.</td></tr> <tr><td>Endive</td><td>1 oz. to 150 “ “</td></tr> <tr><td>Egg-Plant</td><td>1 oz. to 2,000 plants.</td></tr> <tr><td>Lettuce</td><td>1 oz. to 4,000 “</td></tr> <tr><td>Leek</td><td>1 oz. to 100 ft. of drill.</td></tr> <tr><td>Melon, Water</td><td>1 oz. to 30 hills.</td></tr> </table>	Asparagus	1 oz. to 60 ft. of drill.	Beet	1 oz. to 50 “ “	Beans, Dwarf	1 qt. to 100 “ “	“ Pole	1 qt. to 150 hills.	Carrot	1 oz. to 150 ft. of drill.	Cabbage	1 oz. to 3,000 plants.	Cauliflower	1 oz. to 3,000 “	Celery	1 oz. to 4,000 “	Cucumber	1 oz. to 50 hills.	Corn	1 qt. to 400 “	Dandelion	1 oz. to 200 ft. of drill.	Endive	1 oz. to 150 “ “	Egg-Plant	1 oz. to 2,000 plants.	Lettuce	1 oz. to 4,000 “	Leek	1 oz. to 100 ft. of drill.	Melon, Water	1 oz. to 30 hills.	<table border="0" style="width: 100%;"> <tr><td>Melon, Musk</td><td>1 oz. to 60 hills.</td></tr> <tr><td>Okra</td><td>1 oz. to 40 ft. of drill.</td></tr> <tr><td>Onion</td><td>1 oz. to 100 “ “</td></tr> <tr><td>Onion-Sets, small</td><td>1 qt. to 40 “ “</td></tr> <tr><td>Parsley</td><td>1 oz. to 150 “ “</td></tr> <tr><td>Parsnip</td><td>1 oz. to 50 “ “</td></tr> <tr><td>Peas</td><td>1 qt. to 100 “ “</td></tr> <tr><td>Pumpkin</td><td>1 oz. to 20 hills.</td></tr> <tr><td>Pepper</td><td>1 oz. to 2,000 plants.</td></tr> <tr><td>Radish</td><td>1 oz. to 100 ft. of drill.</td></tr> <tr><td>Salsify</td><td>1 oz. to 70 “ “</td></tr> <tr><td>Spinach</td><td>1 oz. to 50 “ “</td></tr> <tr><td>Squash, Early</td><td>1 oz. to 40 hills.</td></tr> <tr><td>“ Marrow</td><td>1 oz. to 16 “</td></tr> <tr><td>Tomato</td><td>1 oz. to 3,000 plants.</td></tr> <tr><td>Turnip</td><td>1 oz. to 150 ft. of drill.</td></tr> </table>	Melon, Musk	1 oz. to 60 hills.	Okra	1 oz. to 40 ft. of drill.	Onion	1 oz. to 100 “ “	Onion-Sets, small	1 qt. to 40 “ “	Parsley	1 oz. to 150 “ “	Parsnip	1 oz. to 50 “ “	Peas	1 qt. to 100 “ “	Pumpkin	1 oz. to 20 hills.	Pepper	1 oz. to 2,000 plants.	Radish	1 oz. to 100 ft. of drill.	Salsify	1 oz. to 70 “ “	Spinach	1 oz. to 50 “ “	Squash, Early	1 oz. to 40 hills.	“ Marrow	1 oz. to 16 “	Tomato	1 oz. to 3,000 plants.	Turnip	1 oz. to 150 ft. of drill.
Asparagus	1 oz. to 60 ft. of drill.																																																																
Beet	1 oz. to 50 “ “																																																																
Beans, Dwarf	1 qt. to 100 “ “																																																																
“ Pole	1 qt. to 150 hills.																																																																
Carrot	1 oz. to 150 ft. of drill.																																																																
Cabbage	1 oz. to 3,000 plants.																																																																
Cauliflower	1 oz. to 3,000 “																																																																
Celery	1 oz. to 4,000 “																																																																
Cucumber	1 oz. to 50 hills.																																																																
Corn	1 qt. to 400 “																																																																
Dandelion	1 oz. to 200 ft. of drill.																																																																
Endive	1 oz. to 150 “ “																																																																
Egg-Plant	1 oz. to 2,000 plants.																																																																
Lettuce	1 oz. to 4,000 “																																																																
Leek	1 oz. to 100 ft. of drill.																																																																
Melon, Water	1 oz. to 30 hills.																																																																
Melon, Musk	1 oz. to 60 hills.																																																																
Okra	1 oz. to 40 ft. of drill.																																																																
Onion	1 oz. to 100 “ “																																																																
Onion-Sets, small	1 qt. to 40 “ “																																																																
Parsley	1 oz. to 150 “ “																																																																
Parsnip	1 oz. to 50 “ “																																																																
Peas	1 qt. to 100 “ “																																																																
Pumpkin	1 oz. to 20 hills.																																																																
Pepper	1 oz. to 2,000 plants.																																																																
Radish	1 oz. to 100 ft. of drill.																																																																
Salsify	1 oz. to 70 “ “																																																																
Spinach	1 oz. to 50 “ “																																																																
Squash, Early	1 oz. to 40 hills.																																																																
“ Marrow	1 oz. to 16 “																																																																
Tomato	1 oz. to 3,000 plants.																																																																
Turnip	1 oz. to 150 ft. of drill.																																																																

Number of Plants, Trees, etc., required to set an Acre.

Distance.	Number.
1 ft. by 1 ft.	43,560
1½ “ 1½ “	19,360
2 “ 1 “	21,780
2 “ 2 “	10,890
2½ “ 2½ “	6,970
3 “ 1 “	14,520
3 “ 2 “	7,260
3 “ 3 “	4,840
4 “ 4 “	2,722
5 “ 5 “	1,742

Distance.	Number.
6 ft. by 6 ft.	1,210
8 “ 8 “	680
10 “ 10 “	434
12 “ 12 “	302
15 “ 15 “	194
18 “ 18 “	134
20 “ 20 “	103
25 “ 25 “	70
30 “ 30 “	40
40 “ 40 “	27

