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Make Your Garden Work Full Time



FOOD PRODUCTION IN THE GARDEN

HENDERSON'S MIDSUMMER CATALOGUE

1921

PETER HENDERSON & CO., 35 & 37 Cortlandt St., NEW YORK

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FREE DELIVERY FOR CERTAIN QUANTITIES OF SEEDS

WE DELIVER FREE IN THE UNITED STATES BY PARCEL POST OR EXPRESS TO ANY EXPRESS OFFICE AT OUR OPTION, ALL VEGETABLE AND FLOWER SEEDS BY THE **PACKET, OUNCE, ¼ POUND AND POUND. SPECIAL.** We will also deliver free PEAS, BEANS AND CORN IN PINTS AND QUARTS providing small seeds equalling them in value are ordered at the same time.

Purchasers pay transit charges on larger quantities of seeds, and other merchandise, unless otherwise provided. When goods are wanted by Parcel Post add postage for those we do not deliver free. (see Zone Rates on this page.)

PARCEL POST RATES

From the 4th to 8th Zone packages Weighing 10 Lbs. or More Usually Go Cheaper by Express. (Poisons and Fluids cannot be sent by mail).

1st Zone: 5c for the first pound,	1c for each additional lb.	5th Zone: 8c for the first pound,	6c for each additional lb.
2nd Zone: 5c for the first pound,	1c for each additional lb.	6th Zone: 9c for the first pound,	8c for each additional lb.
3rd Zone: 6c for the first pound,	2c for each additional lb.	7th Zone: 11c for the first pound,	10c for each additional lb.
4th Zone: 7c for the first pound,	4c for each additional lb.	8th Zone: 12 for each pound	

Parcel Post packages must not exceed 70 pounds in weight for the first three zones, and 50 pounds for the other zones, and the size limit is eighty-four (84) inches for combined length and largest girth. In this catalogue we give the weight packed up to ten (10) pounds on Implements, Insecticides and Fertilizers.

Packages weighing 8 ounces or less are available at the rate of 1c for every two ounces, regardless of distance; if weight is more than 8 ounces the pound rate applies.

THE PARCEL POST ZONE OF EACH STATE

Is printed on the envelope containing this catalogue, or your local postmaster will tell you what zone you live in reckoned from New York. In this catalogue we have given the packed weight for Parcel Post of tools, accessories, odorless fertilizers, insecticides and fungicides so that extra for postage must be remitted according to Zone distances. In most instances the charge by freight and express on weights exceeding 10 lbs. will be found more economical, hence we only give weights up to 10 lbs. Note that Poisons and Fluids cannot be mailed.

BUSINESS RULES, ETC.

We make no charge for packing or cartage of goods to any railroad station, steamship line or express office in New York City.

WE MAKE NO CHARGE FOR PACKING, except special for foreign shipments, as tin-lined cases, double sacks, etc., then we charge cost. Cloth bags we charge for, viz.: ½ peck, 15c.; 1 peck, 25c.; ½ bushel, 35c.; 1 bushel, 45c.; 2 bushel 70c. Burlap bags, 1 peck, 15c.; ½ bushel, 20c.; 1 bushel, 25c.; 2 bushels, 35c.; 4 bushels, 55c.; 6 bushels, 75c.; 8 bushels, 90c. No charge for bags with lawn grass mixtures.

ACCOUNTS.—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. New York City reference preferred on account of the shorter delay pending investigation.

REMITTANCES may be made by Express Money Order,

P. O. Money Order or Bank Draft; if bills or silver send in a Registered Letter otherwise it is at senders risk. We must decline sending goods C. O. D. unless 25% of their value accompanies the order. WE DO NOT SUPPLY DEALERS, therefore our Seeds, etc., can only be procured by sending orders direct to us.

THE PRICES QUOTED IN THIS CATALOGUE ARE NET—We offer no premiums, discounts nor gratuities. We reserve the right to advance prices without notice should current conditions require it.

PETER HENDERSON & Co. give no warranty express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Roots they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

(New Edition 1921.)

HENDERSON'S

(Price 25 cents.)

GARDEN GUIDE AND RECORD

Is sent free with all orders amounting to \$2.00 or over, if asked for when ordering

This book has become the indispensable handbook of thousands of gardeners throughout the United States. HENDERSON'S GARDEN GUIDE contains more essential information, is easier of reference, and more complete than many works much more pretentious in character. In a measure, our customers have contributed to its contents by the questions put to us daily over our counters, so that the GARDEN GUIDE is an attempt to solve the problems which confront both the novice and the experienced gardener. Originally designed for the amateur and containing only elementary information, it has grown to be more inclusive

so that it now embraces almost every phase of ordinary garden craft. This growth has not robbed it of its simplicity, but has extended its usefulness to a greater number of gardeners.

It is of convenient pocket size (5 x 8½ inches), has 64 pages of text, including a complete index. Also 12 calendar pages, one for every month, for noting phenomena, dates and other items of interest. These greatly enhance its value and encourage an observant attitude in the garden. It treats of

Vegetable Planting Time Table.
Culinary Herbs
Vegetables for Winter Use
Cold Frame Vegetables.
Insects and Plant Diseases.
Hot Beds and Cold Frames.
Fertilizing and Fertilizers.

Canning Vegetables, etc.
Flowers from Seed—Selections for
Different Purposes and Brief In-
structions How to Grow.
Dahlia Culture.
Plans for Flower Beds.
Bulb Culture.
Gladiolus and Peony Culture.

Pruning Shrubs.
Lawns and Grass Plots—Making,
Maintaining and Renovating.
Preparing Garden Ground.
Vegetable Culture — Directions How
to Grow. Companion and Successive
Crops.
And Many Other Pithy Garden Pointers.

Make Your Garden Work Full Time

The seeds you have purchased from us so far were in all probability intended for spring sowing only. We want to remind you that you can make your garden work for you both in the **SPRING**, in the **SUMMER**, and in the **FALL** and keep right on up to frost, the good work of providing an abundant supply of fresh vegetables for your table. Thousands of suburban dwellers who formerly purchased their vegetables from the nearest store, have been driven by the high prices and the scarcity to raise their own supplies of vegetable foods. And further than that they now appreciate the fact that there is the greatest difference in the world between home-grown vegetables gathered fresh in the morning, crisp and tender, and those that have made a long journey in wagons to the wholesale market, and then in the grocer's wagon to his store before completing the last lap to the consumer.

Early planting is of course necessary for varieties which need a long season in which to mature, but there are varieties which need only a short growing period and these should be chosen for summer or fall planting. They are designated in our catalogue as "early" and are the result of experimental work in our trial grounds extending over a period of seventy-five years. It will be found that all of these may safely be planted in the summer and early fall.

Below we print a list of vegetable seeds especially suitable for sowing in June, July, August and September in the latitude of New York. Note that we give the last date on which they may be sown in one column and in the next the number of days they require for maturity.

If you know about what date the first killing frost comes in your section, you can easily determine what kinds to sow to succeed your first crops.

LIST OF VEGETABLES AND DATES

UP TO WHICH SEEDS MAY BE SOWN IN THE LATITUDE OF NEW YORK

VARIETIES	LAST DATE FOR SOWING	PERIOD OF GROWTH	VARIETIES	LAST DATE FOR SOWING	PERIOD OF GROWTH
Beans, Lima	Up to June 25th	110 days	Kale	Up to June	100 days
Beans, Dwarf or Bush	Every 2 weeks until Aug.	55 days	Kohl-Rabi	Up to July 15th	65 days
Beets	Up to Aug. 15th	60 days	Lettuce	Up to Aug. 15th	65 days
Brussels Sprouts	Up to June (in bed seed)	120 days	Mustard	Every 2 weeks until Aug. 15th	60 days
Cabbage	Up to early June	95 days	Onion Sets (Perennial)	Up to Oct. 30th	
Carrot	Up to Aug. 15th	70 days	Parsley	Up to Aug. 1	112 days
Cauliflower	Up to early June	110 days	Parsnip	Up to June 5th	126 days
Celery	Up to June 10th	125 days	Peas	Up to Aug. 15th	65 days
Chinese Cabbage	Up to Aug. 10th	90 days	Pumpkin	Up to June	100 days
Collards	Up to July 5th	100 days	Radish, Spring	Every 2 weeks until Sept.	30 days
Corn Salad	Up to Aug. 10th	65 days	Radish, Winter	Up to Aug.	60 days
Corn, Sweet	Every 2 weeks until July 15th	70 days	Ruta Baga	Up to June	100 days
Cress, Garden	Every 2 weeks until Sept.	20 days	Spinach	Up to Sept. 15th	65 days
Cress, Water	Every 2 weeks until Aug.		Swiss Chard	Every 4 weeks until Aug. 1st	50 days
Cucumber	Up to July 15th	65 days	Turnip	Up to Aug. 1st	60 days
Endive	Up to Aug 1st	75 days			



A COMMUTER'S GARDEN FROM SUMMER SOWN SEEDS

Our Booklet, "GARDEN CULTURE OF ROOT CROPS," sent free if requested when ordering.

HENDERSON'S TESTED VEGETABLE SEEDS.

FOR SUMMER SOWING.

Henderson's Black Valentine

GREEN-PODDED BUSH BEAN.

Possesses all the merits of our old favorite Red Valentine, and the pod is fully one-third longer. In addition it has other valuable points. The pods are extra long, round, straight and tender, and of a beautiful soft green color. It is also equally early, but has another advantage in that it is more suitable for late planting. In a test of the Extra Early Refugee, Henderson's Earliest Red Valentine and Black Valentine, conducted in the fall, we found that Black Valentine was fully as useful as Extra Early Refugee, being equally as hardy in every respect as the Refugee, while the beans were produced in enormous quantities. For any purpose, or at any time of the year, the bean will be found exceedingly valuable to all classes of growers. (See engraving). Price, 10c. pkt., 35c. pt., 60c. qt., \$2.25 for 4 qts.

Detroit Dark Red Beet.

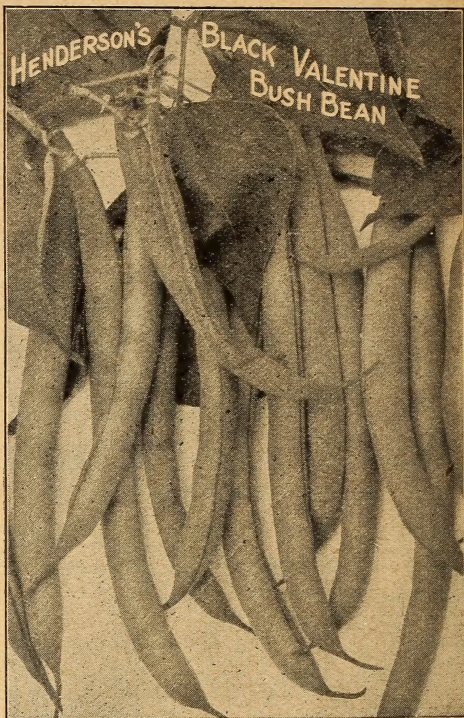
Probably the best of the larger sorts. It succeeds equally well at all seasons, and is one of the best to sow in early spring to succeed the extra early and medium crop sorts. It may be sown about August 1st (in this vicinity) for a crop to store for winter. The flesh is solid, always tender, of good flavor and excellent color. Price, 10c. pkt., 20c. oz., 60c. $\frac{1}{4}$ lb., \$2.00 lb.

HENDERSON'S

Early Blood Turnip Beet.

This is a great improvement upon the old standard variety Early Blood Turnip Beet. It is a great favorite with many gardeners and is very attractive in appearance, the roots being smooth and uniform, and the color deep blood red. The flesh is tender and sweet, and it is an excellent variety for canning.

This variety should be sown for a late crop on account of its quickness in maturing. For winter storage it is unexcelled. Price, 10c. pkt., 20c. oz., 60c., $\frac{1}{4}$ lb., \$2.00 lb.



HENDERSON'S SELECTED

Half Long Danvers Carrot.

A handsome, stump-rooted Carrot of a rich, dark orange color. It grows to a large size; is smooth, and the flesh very close in texture with very little core. It is a first-class Carrot for all soils and has yielded 25 to 30 tons per acre, with the smallest length of root of any now grown. It is excellent to store for winter. Price, 10c. pkt., 20c. oz., 60c. $\frac{1}{4}$ lb., \$2.00 lb.

HENDERSON'S

Big Boston Lettuce

Big, Compact, Tender and Crisp, Creamy-White Heads.

This grand variety, introduced into cultivation by us, is now more extensively grown than any other kind of Lettuce, whether grown in the open ground for early summer and fall use, in frames for spring, or forced cool in greenhouses for winter. It gives both grower and consumer the utmost satisfaction, producing, under ordinarily favorable conditions, splendid, large, creamy-white heads, packed with thoroughly blanched leaves, crisp, tender and sweet, delighting both the palate and the eye.

Large areas of it may be seen in the vicinity of New York as late as Nov. 15th; a slight covering of salt marsh hay amply protecting the plants from hard frosts, which when cut for market are as fresh, bright and untinged as at any season. (See engraving). Price, 10c. pkt., 25c. oz., 75c. $\frac{1}{4}$ lb., \$2.50 lb.

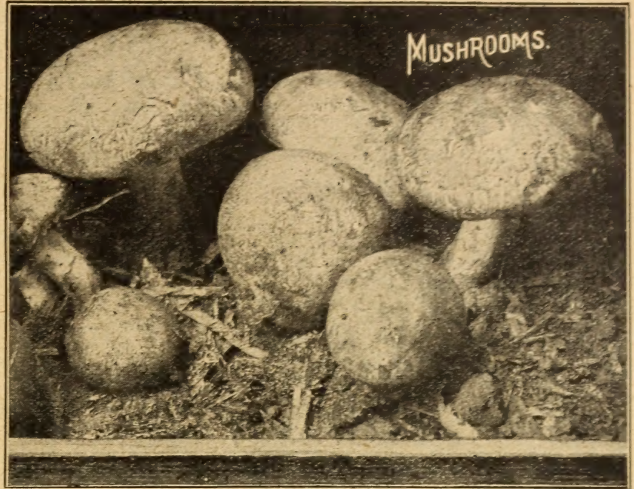
Henderson's Superior Mushroom Spawn.

Mushrooms may be grown by anyone having a supply of fresh horse manure and a shed or cellar or a space under a greenhouse bench where a temperature of 50 to 60 degrees is evenly maintained. They make a most profitable crop when successfully grown, and our superior Spawn, has given splendid results. It is sold in bricks weighing about 1 1/4 pounds, enough when broken into two inch pieces to "spawn" a bed of about 9 square feet.

American Spore Culture Mushroom Spawn

American Spore Culture Spawn is produced from original spore cultures under the new French process which permits the indefinite reproduction of selected varieties without dilution of the strain and free of any trace of the parasitic diseases of the mushroom. Positively the most vigorous and prolific spawn on the market. Each brick weighs from 1 1/4 to 1 1/2 pounds and will spawn about 9 square feet of beds. We keep on hand the cream white variety, which is generally preferred in the markets, but can supply the white or brown varieties if desired. (See engraving.) Per brick, 40 cents; 5 bricks, \$1.85; 10 bricks, \$3.50; 25 bricks, \$8.50; 100 bricks, \$32.50. Purchasers paying carriage. Our Leaflet "Mushroom Cultural" Thoroughly Up-To-Date free to Customers on Application.

"I purchased American Spore Culture Spawn from you on March 1st, and picked the mushrooms in the above photo on May 24th. I had some that weighed over 1/2 lb. each. Yesterday, the 5th of June, I picked a mess, and there are fully 100 buttons on the bed now. All this from a bed in the cellar, size 2 x 8 feet.
J. A. COOK, Marshalltown, Iowa.



AMERICAN SPORE CULTURE MUSHROOMS

HENDERSON'S SELECTED Ruta Bagas FOR TABLE USE

Sow 1 oz. for 100 feet of drill, 2 or 3 lbs. per acre in drills

Henderson's Long Island Improved Ruta Baga

It is very large, has no neck, and is a remarkably good keeper; the flesh is rich yellow, of fine quality. Price, 10c. pkt., 20c. oz., 60c. 1/4 lb., \$2.00 lb.

Improved American Purple Top Ruta Baga

Considered the standard American Ruta Baga by the best posted farmers. Very popular, both for stock feeding and home consumption. The flesh is yellow, it is hardy, productive and a good keeper. Price, 10c. pkt., 20c. oz., 60c. 1/4 lb., \$2.00 lb.

THE HOME GARDENER should pay special attention to root crops on account of their keeping qualities. Our booklet "Garden Culture of Root Crops" sent free if requested when ordering.

Purple Top White Globe Turnip.

This is a large, globe-shaped variety, white flesh, fine grained, tender and sweet. It grows smooth, has a small root, and medium sized tops. It is a true table Turnip and one of the best for winter storage being extensively grown and pitted for fall and winter, as it is a good keeper. The best crops of turnips are grown from summer sown seed. Sow 1 oz. for 100 feet of drill, 1 1/2 to 2 pounds in drills per acre. Price, 10c. pkt., 20c. oz., 60c. 1/4 lb., \$2.00 lb.

Spinach for Fall and Winter Crops

Spinach is indispensable and necessary on every table, and should be sown at all seasons so that full supplies may be had. Besides the usual spring sowings a sowing for fall use may be made in July of Long Standing or Thick-Leaved varieties, both excellent summer varieties. The August and September sowings should receive special attention as they are wanted to supply the table during the coming winter and early next spring. For this purpose sow Victoria. The soil should be well prepared using soot and lime or other material to lighten the soil if heavy. Plenty of space should be given the plants and the rows should be 15 inches apart. In cold sections it is better to sow earlier so as to get a strong plant for the winter. Protect plants with dry litter etc. during severe weather. All spinach seed is benefited by being soaked in water for a few hours previous to sowing, as the seed then germinates more quickly and the growth is stronger.



VICTORIA SPINACH

Henderson's Thick Leaved Spinach.

The best sort for fall sowing to winter over for spring cutting, being very hardy. It produces large, thick, bright green crumpled leaves of fine quality, yielding a heavy crop. It is slow to run to seed and stands the heat well. Price, 10c. pkt., 15c. oz., 40c. 1/4 lb., \$1.25 lb.

Henderson's Long Standing Spinach.

An excellent compact variety, with thick fleshy dark green leaves. Price, 5c. pkt., 10c. oz., 30c. 1/4 lb., \$1.00 lb.

Norfolk Savoy-Leaved Spinach

A popular variety to sow for the late fall cutting. It is quick growing and produces large, dark green leaves as deeply crumpled as a Savoy Cabbage. It is grown in the South for winter and early spring crops. Price, 5c. pkt., 10c. oz., 30c. 1/4 lb., \$1.00 lb.

Victoria Spinach,

Stands in prime condition long after other varieties have bolted to seed. Sown in September and slightly protected it gives full supplies in spring. (See engraving.) Price, 5c. pkt., 10c. oz., 30c. 1/4 lb., \$1.00 lb.

If money is remitted in bills or silver, register the letter; otherwise it is at sender's risk.

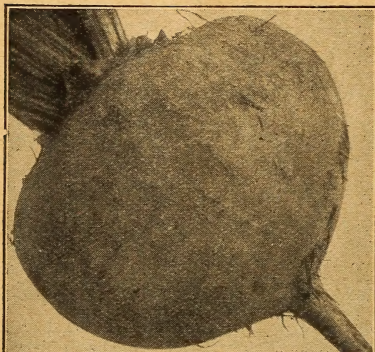
HENDERSON'S

TESTED VEGETABLE SEEDS FOR SUMMER SOWING.

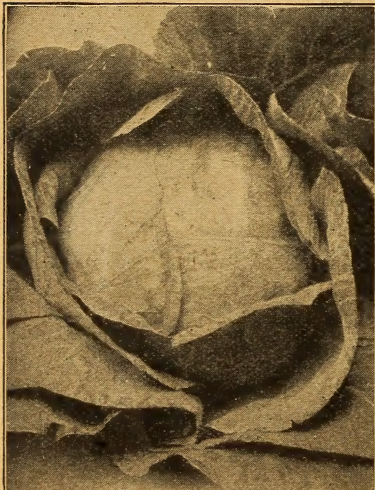
Vegetable seeds of all kinds purchased in packets, ounces, quarter pounds and pounds are delivered free. **SPECIAL.**—We will also deliver free Beans, Peas, and Corn in pints and quarts, providing small seeds equalling them in value are ordered at the same time. For larger quantities ordered by Parcel Post add postage at zone rates. *Weight limit.*—The weight limit within the 1st 2nd and 3rd Zones is now seventy (70) pounds, within the other Zones the weight limit is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth. **IMPORTANT.**—In remitting postage always add it to the foot of the order as a separate item—this will help to avoid mistakes. You will find your Zone number printed on the envelope containing this catalogue, or your local postmaster will tell you what Zone you are in reckoned from New York City.



REFUGEE OR 1000 TO 1 BEAN



DETROIT DARK RED BEET.



HENDERSON'S EARLY SUMMER CABBAGE

BEANS. (1 quart to 100 feet of drill, 1 bushel per acre in drills) **PRICES**
We will deliver Beans in pints and quarts free, providing small seeds of equal value are ordered at the same time. For larger quantities ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1 lb. per pint.

DWARF or BUSH, GREEN PODDED.	Pkt.	Pt.	Qt.	4 Qts
Bountiful, Henderson's. A prolific and continuous bearer, the first in spring and the last in fall.	10	40	70	2.70
Black Valentine. A heavy yielder. Ready for picking in 45 days after planting. Stringless and the best round green podded bean in existence. (See also page 2.)	10	35	60	2.25
Dwarf Horticultural. A bush variety of the popular Climbing Horticultural. A grand shell bean	10	30	50	1.75
Extra Early Refugee. This variety is a decided improvement on the old Refugee or 1,000 to 1, as it is fully two weeks earlier.	10	35	60	2.25
Earliest Red Valentine, Henderson's. Very early and remains fit for use for a long time.	10	30	55	2.00
Refugee or 1,000 to 1. The most popular bean for a late crop. Does remarkably well in the fall. (See engraving.)	10	30	55	2.00

BEANS. DWARF WAX-PODDED or "BUTTER"
Curries Rust-Proof Wax. The earliest, hardiest and the most prolific of the flat wax-pod Beans, color golden yellow, pods long and straight. 15 40 70 2.70
Hodson Long Pod Wax. Creamy yellow Wax bush Beans, one of the best for a main crop 15 40 70 2.70
Delivered free in the U. S.

BEET. (1 oz. to 50 feet of drill; 5 1/2 bs per acre in drills.)	Pkt.	Oz.	1/2 lb.	Lb.
Detroit Dark Red. Best for summer sowing, and for winter use. (See engraving and page 2)	10	20	60	2.00
Dewing's Improved Blood Turnip. Handsome, smooth and round.	5	20	60	2.00
Early Blood Turnip, Henderson's. A great improvement on the standard variety. (See also page 2)	10	20	60	2.00
Edmand's. A handsome, round, uniform, turnip-shaped Beet, fine for late crop.	10	20	60	2.00
Half Long, Henderson's. Free from woody fibre.	10	25	75	2.50
Long Smooth Blood-Red An excellent late variety	5	20	50	1.50

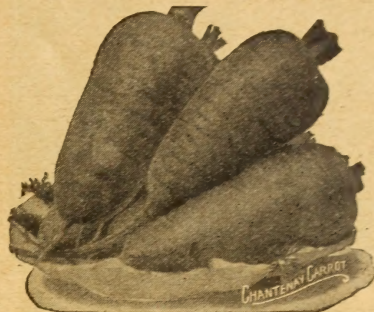
CABBAGE. (1 oz. produces 2,000 plants; 1/2 lb. to transplant for an acre.)
Autumn King, Henderson's Enormous Solid Heads often 12 to 15 lbs. each. It has such small outer leaves that it can be planted closer than the ordinary late sorts. A distinct feature of the Autumn King is the peculiarly crimped leaves, which enables it to be distinguished anywhere 15 1.00 3.75 14.00
Charleston Wakefield Henderson's. A larger variety of Early Jersey Wakefield but not as early as the original stock. The pointed-head Cabbages are preferable to the larger flat kinds. 10 75 2.50 8.00
Early Jersey Wakefield, Henderson's Original. The best First-Early Pointed-Head cabbage. This Cabbage, though introduced years ago by the late Peter Henderson, still holds its undisputed lead as the best extra-early pointed-head Cabbage, and is more largely grown than all other first-early Cabbages combined. 10 75 2.50 8.00
Henderson Early Market. Three or four days later than Early Jersey Wakefield. The earliest large-heading Cabbage in existence. Entirely free from coarse veins or leaves. Unexcelled for the home or market gardener. 15 1.00 3.75 14.00
Early Summer Henderson's. The standard. It is fit for use right after the extra early sorts. It forms large solid flat heads weighing 8 to 10 lbs. each. (See engraving.) 10 75 2.50 8.00
Succession, Henderson's. Best for general use. The heads are enormous in size, extremely solid, and it grows well at any season. 15 1.00 3.75 14.00
Late Flat Dutch, Henderson's Selected. A well known variety; forms large solid heads, and winters well. 10 75 2.50 8.00

HENDERSON'S TESTED VEGETABLE SEEDS FOR SUMMER SOWING.

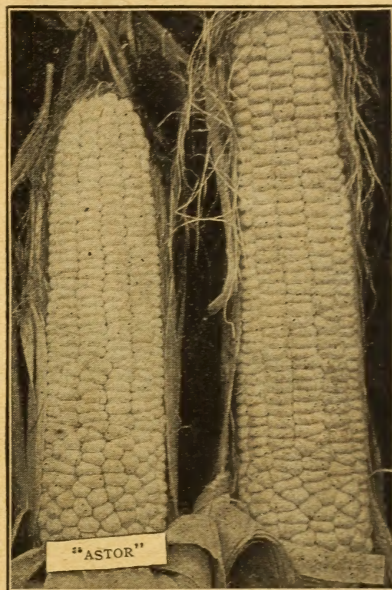
Our pamphlet "Garden Culture of Root Crops" sent free if requested.

PRICES
Delivered free in the U. S.

	Pkt.	Oz.	¼ Lb.	Lb.
CABBAGE (Continued). Premium Flat Dutch. A Standard and excellent variety, developing earlier than most late sorts but not so good a winter keeper. For fall use it is tender and of superior flavor.....	10	75	2.50	8.00
AMERICAN DRUMHEAD SAVOY. The best flavored of all cabbages.....	10	90	3.25	12.00
CHINESE CABBAGE or PE-TSAL. This is quite distinct from ordinary cabbage; and somewhat resembles Cos Lettuce; in fact it is called by some "Celery Lettuce." Culture same as late Cabbage. Sow seed early in July.....	10	50	1.75	
CARROT. (1 oz. for about 125 feet of drill; ¼ lbs. for an acre.) Chantenay Half Long Scarlet. Blunt rooted, tender and free from core. (See engraving).. Danvers, Half-Long. (Henderson's Selected) (See also page 2)..... Early Scarlet Horn. A popular variety. When pulled young it is excellent for soups..... Half-Long Red, Stump-Rooted. Best for summer	10	20	60	2.00
	10	20	60	2.00
	10	20	60	2.00
	10	20	60	2.00
CHICORY. LARGE ROOTED. The "Barbe de Capucin" of the French. In the fall the roots are planted in a dark cellar on a sloping heap, composed of alternate layers of 3 inches of soil, and the roots laid horizontally, projecting 1 inch from the heap. They sprout quickly, producing the delicious "Barbe de Capucin" at a season when salad is most scarce. It is very easy to grow, and is also used in summer as greens (See engraving).....	10	40	1.40	5.00
CORN, SWEET or SUGAR. (1 qt. for 200 hills 8 to 10 qts. in hills for an acre.) We will deliver Corn in pints and quarts free, providing small seeds of equal value are ordered at the same time. For larger quantities ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1lb. per pint.				
Henderson's "Astor" Sweet Corn. Briefly, this is a smaller and earlier strain of White Cob Cory. The plant is from 4 to 5 feet high; sturdy in habit and bearing two ears set 18 inches from the ground. These have from eight to twelve rows of creamy-white grains, arranged in rows so compactly set together that there is no space between. (See engraving).....	10	35	60	2.25
Pocahontas. Early sweet flavored.....	15	40	70	2.60
Early Champion. An old and thoroughly tested variety.....	10	35	60	2.25
The "Henderson." The best second early. It produces uniformly large, thick ears, compactly filled from butt to tip with long, milky white kernels of luscious tenderness. (See engraving)	10	35	60	2.25
Stowell's Evergreen. The ears are of a large size, grains deep, exceptionally tender and sugary, and have the advantage of remaining longer in the green state than any other.....	10	40	70	2.60
CORN SALAD. Large-Leaved, Fetticus, or "Lamb's Lettuce." Grown for the late fall, winter and spring use...	10	20	60	2.00
CRESS, or PEPPER GRASS. Extra Curled. Crisp, pungent leaves.....	10	20	60	2.00
CUCUMBER. (1 oz. for 60 hills; 2 to 3 lbs. in hills for an acre.) Cool and Crisp, Henderson's. Extra early..... Early Cluster. An early, short green variety.... Early White Spine. Popular for family use..... Green Prolific. Short green, pickling variety... Everbearing. Bears fruit until frost..... Extra Early Green Prolific. Ideal for pickling... The "Henderson" White Spine. The standard extra early, prolific, best for slicing..... Livingston's Evergreen. Wonderfully prolific....	10	25	75	2.50
	10	25	75	2.50
	10	25	75	2.50
	10	25	75	2.50
	10	25	75	2.50
	10	25	75	2.50
	10	25	85	3.00
	10	25	75	2.50
ENDIVE. "Escarolle" and "Chicoree." (1 oz. for 100 feet of drill.) One of the best salads, especially when blanched; if boiled makes fine "greens." Broad-Leaved Batavian. Has large, thick, broad leaves; and forms large hearts..... French Moss Curled. A compact-growing variety Green Curled. Best for general use..... White Curled. Finely cut leaves, almost white; can be used without blanching.....	10	25	75	2.50
	10	30	85	3.00
	10	25	75	2.50
	10	30	85	3.00
KALE, or BORECOLE. (1 oz. for 150 feet of drill.) Largely grown for supplying "greens" during the fall, winter and spring; used small, like Spinach; frost improves the quality. Dwarf Green Curled Scotch. Sow during June, and transplant for use in fall..... Siberian. Green curly leaves; tender and of delicate flavor.....	10	30	85	3.00
	10	25	75	2.50



CHANTENAY CARROT



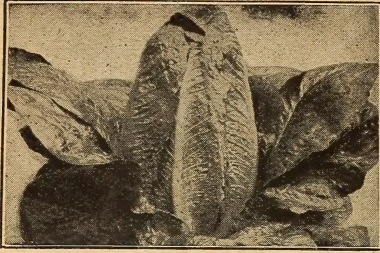
HENDERSON'S "ASTOR". THE "HENDERSON"



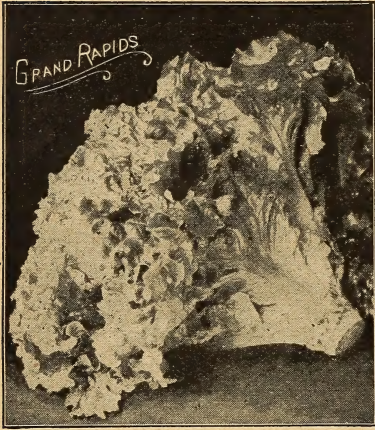
CHICORY LARGE ROOTED

If money is remitted in bills or silver, register the letter; otherwise it is at sender's risk.

HENDERSON'S TESTED VEGETABLE SEEDS FOR SUMMER SOWING.



TRIANON COS LETTUCE



GRAND RAPIDS LETTUCE



ALASKA PEA

	Delivered free in the U. S.			
	Pkt.	Oz.	¼Lb.	Lb.
LETTUCE. (1 oz. for 3000 plants.)				
Big Boston, Henderson's. The best head lettuce on earth. (See also page 2)	10	25	75	2.50
Boston Market, or White-Seeded Tennis Ball. A popular, early, small, compact-heading variety.	10	20	60	2.00
Golden Queen, Henderson's. A very desirable first-early variety, and second to none for forcing.	10	25	75	2.50
Mammoth Black-Seeded Butter. Similar to, but larger than Black-Seeded Butter, enormous heads tender, sweet and crisp.	10	20	60	2.00
New York, Henderson's. Immense heads as solid as a cabbage.	15	35	1.20	4.00
Black-Seeded Simpson. It stands the summer heat splendidly, and is practically everbearing.	10	20	60	2.00
Early Curled Simpson. Earlier than head Lettuces; grown in cold frames and the open ground.	10	20	60	2.00
Grand Rapids. Beautifully crumpled and curled. (See engraving)	10	25	75	2.50
Trianon Cos. Self-folding inner leaves are self-blanching. (See engraving)	10	25	75	2.50

Purchaser pays transportation on Mushroom Spawn

	10	100	brick bricks	bricks
MUSHROOM SPAWN. (See also page 3)				
American Spore Culture. This is sold in flat bricks 1½ inches thick, weighing about 1½ pounds. One brick may be broken into nine pieces which set 12 in. apart will spawn an area of 9 square feet	40	3.50	32	5.00

	Pkt.	Oz.	¼Lb.	Lb.
ONION. (1 oz. for 100 feet of drill; 5 to 6 lbs. in drills for an acre.)				
Bermuda, Red. Flat light red-skinned Onions of mild flavor.	10	35	1.20	4.00
Bermuda, White. Flat, grows very quickly exceedingly mild in flavor.	10	35	1.20	4.00
White Portugal or Silver Skin. This is beyond doubt the very best Onion for general use during the spring, summer and autumn.	10	40	1.20	4.00

	10	15	40	1.25	80	3.00
PARSLEY. (1 oz. for 150 feet of drill.)						
Champion Moss Curled. Densely crumpled and curled, dark green leaves.	10	15	40	1.25	80	3.00
Emerald Henderson's. Finely cut mossy leaves.	10	25	80	3.00		
Extra Double Curled. A popular fine dwarf, beautifully curled sort.	10	15	40	1.40		

	Pkt.	Pt.	Qt.	4 Qts.	Pk.
PEAS. (1 quart to 100 feet of drill; 2 to 3 bushels for an acre.)					
We will deliver Peas in pints and quarts free, providing small seeds of equal value, are ordered at the same time. For larger quantities ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1 lb. per pint.					

	Pkt.	Pt.	Qt.	4 Qts.	Pk.
Alaska Height, 2 ft. A wonderfully early, smooth, blue Pea; pods are filled with smooth blue-green Peas. (See engraving)	10	35	60	2.30	4.50
First of All, Henderson's. Height, 2½ feet. One of the earliest peas grown.	15	45	80	2.75	5.00
Prosperity, Henderson's. Height 2½ feet. The quickest growing wrinkled pea.	15	45	80	3.00	5.50
The Ameer. (or "Mammoth Alaska" Pea). This early variety—often called the "Mammoth Alaska"—is rapidly growing in favor. It resembles Alaska, the vine being more vigorous, a little taller or about 3 feet in height and the pods and peas are fully one-third larger. It is a heavy producer of handsome dark green pods containing from 5 to 7 large blue-green round peas of excellent quality. The crop ripens about three days later than Alaska.	10	35	60	2.30	4.50

	Delivered free in the U.S.			
	Pkt.	Oz.	¼Lb.	Lb.
PUMPKIN. (1 oz. for 30 to 50 hills.)				
Cheese. The most popular for pies and table use; large, flat-round; creamy-yellow skin; thick, orange flesh of fine quality; a splendid keeper.	10	20	50	1.50
Connecticut Field. A productive, large, orange colored, field Pumpkin.	5	10	35	1.25

	5	15	45	1.25	10	20	50	1.50	10	20	50	1.50	5	15	45	1.25
RADISH. (1 oz. for 100 feet of drill; 9 to 10 lbs. in drills for an acre.)																
Early White-Tipped Scarlet Turnip	5	15	45	1.25												
Rapid Forcing. Small, round, bright scarlet, with white tip; grows quickly	10	20	60	2.00												
Red Forcing. Extra-early, maturing in 21 days; round, bright red, very mild.	10	20	50	1.50												
French Breakfast. A favorite oval-shaped, bright scarlet Radish, with white tip;	5	15	45	1.25												

HENDERSON'S TESTED VEGETABLE SEEDS FOR SUMMER SOWING

Delivered free in the U. S.

RADISH (Continued).

	Pkt.	Oz.	¼Lb.	Lb.
Scarlet Olive-Shaped. An oval-shaped variety, maturing in 25 days; Flesh-white, crisp and mild.....	5	15	45	1.50
Philadelphia White Box. A good variety for cold frames; keeps firm a long while; we sell a very superior stock.....	5	15	45	1.50
Long Scarlet Short Top. White mild flesh; grows 6 inches in length; matures in 25 days.....	5	15	45	1.50
Long White Vienna, or Lady Finger. Tapering shape, about four inches long, mild and tender; matures in about 25 days.....	10	20	50	1.75
White Summer Turnip. A flat-round, early summer Radish 2 inches in diameter; white and tender; ready to use in 30 days. (See engraving)	5	15	45	1.50
Chartier. A summer Radish, long and handsome top crimson fading to white at tip.....	5	15	45	1.50
Celestial, or White Chinese. Grows to an enormous size; flesh firm, mild and crisp.....	10	20	60	2.00
Half-Long Black Spanish. Flesh-white, compact and the mildest flavored of this type; good keeper.....	10	20	50	1.75

RUTA BAGAS. For Table Use. (See also page 3).
Sow 1 oz. for 100 feet of drill, 2 or 3 lbs. per acre in drills.

Henderson's Long Island Improved Ruta Baga. It is very large, has no neck, and is a remarkably good keeper, the flesh is rich yellow, and of fine quality.....

Improved American Purple Top. Considered the standard American Ruta Baga by most growers. Very popular both for stock or table use.....

SPINACH. (1 oz. for 100 feet of drill; 10 to 12 lbs. in drills for an acre.) Varieties marked * may be sown in the fall in latitude of New York for spring crop.) (See also page 3.)

Long Season, Henderson's. Very slow in running to seed.....	10	15	45	1.50
Long Standing. An excellent, compact variety; thick, fleshy, dark green leaves.....	5	10	30	1.00
Norfolk, Savoy-Leaved. The best for early fall.....	5	10	30	1.00
Round-Leaved or Dutch. A standard variety.....	5	10	30	1.00
*Thick-Leaved, Henderson's. Produces large, thick crumpled leaves of fine quality.....	10	15	40	1.25
Victoria. Stands in prime condition long after other varieties have bolted to seed.....	5	10	30	1.00
*Viroflay, Large Round-Leaved. Very hardy.....	5	10	30	1.00

SQUASH. Summer Varieties.

(Bush varieties, 1 oz. for 50 hills; 5 to 6 lbs. per acre.)

Vegetable Marrow Bush. An English variety, oblong, yellow fruits 10 to 15 inches in length; flesh, tender, marrowy and delicious.....	10	25	85	3.00
White Bush Scalloped. The white "Patty Pan"; free cropper. (See engraving).....	10	20	60	2.00
Yellow Bush Summer Crookneck. A bush variety, early and prolific; densely warted.....	10	20	60	2.00

SWISS CHARD. The "cut and come again" vegetable. (See engraving).....

TURNIP. (1 oz. for 150 feet of drill or 2 lbs. in drills per acre.)

Early Purple Top Milan. The earliest Turnip in cultivation.....	10	25	75	2.50
Early Red Top Strap Leaf. A popular variety of quick growth; flesh white and of excellent quality.....	5	15	45	1.50
Early White Flat Dutch. An excellent early, white, flat Turnip; flesh mild. (See engraving)	5	15	45	1.50
Long White, or Cowhorn. A long, white-fleshed Turnip growing half above ground: it is of fine quality.....	5	15	45	1.50
Snowball. An excellent white round variety.....	10	20	55	1.75
Purple Top White Globe. A large globe-shaped variety; white flesh, fine-grained, tender and sweet. (See also page 3).....	10	20	60	2.00
Yellow Globe. A yellow-fleshed, globe-shaped variety, of large size; a splendid winter keeper; excellent for both table and stock.....	.05	.15	.45	1.50



WHITE SUMMER TURNIP RADISH



WHITE BUSH SCALLOPED SQUASH



SWISS CHARD



EARLY WHITE FLAT DUTCH TURNIP

Our leaflet "GARDEN CULTURE OF ROOT CROPS" sent free if asked for.

A SELECTED LIST OF

FARM SEEDS

FOR SUMMER SOWING

A special List of farm seeds sent free on application.

Purchaser pays transportation on Farm Seeds. If wanted by Parcel Post add postage according to Zone rates on page 2 of cover.

MANGEL WURZEL and SUGAR BEETS.

The best soil for Mangels is friable loam deeply plowed and in such soil the yield is from 20 to 30 tons per acre. The ground should be well enriched and the seed sown in drills 24 inches apart in light soil, and 30 inches apart in strong rich land. Thin out the plants to 9 inches apart in the former and 12 inches apart in the latter. Sow 6 to 8 pounds of seed per acre if sown with a drill, or double that quantity if sown by hand.

Colossal Long Red (Henderson's). A valuable improved and distinct variety. Extra large, long roots; very nutritious. Price, $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs., at 90c. lb. **Champion Yellow Globe** (Henderson's). Smooth large, round roots; yellow flesh. Price, $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs., at 90c. lb.

Giant Intermediate (Henderson's). Big yielder; handsome, large ovoid roots. Price, $\frac{1}{4}$ lb., 35c.; 1 lb. \$1.00; 10 lbs., at 90c. lb.

Golden Tankard. Flesh yellow, thus differing from other varieties; sheep prefer it; heavy yielder. Price, $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs. at 90c. lb.

Long Red. Largely grown; large roots of excellent quality. Price, $\frac{1}{4}$ lb., 30c.; 1 lb., 90c.; 10 lbs. at 80c. lb.

Long Yellow. Differs from the Long Red only n color. Price, $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs., at 90c. lb.

NEW HALF SUGAR MANGEL.

As seed of the different varieties of sugar beet is almost unprocurable this season, we would recommend planting for stock feeding the improved breed of New Sugar Mangel offered below.

This is distinctly a new variety of Mangel, and is the result of careful interbreeding between White Sugar Beet and Colossal Long Red Mangel. It certainly approaches nearer to a Sugar Beet than any other known variety of Mangel, and by analysis it has been shown that it is very rich in saccharine matter. Its growth is very rapid, so that it matures much more quickly than other varieties, and on that account it may be sown at a later date. The bulb is very uniform, of good shape, and has a single taproot. When singling it may be left much more closely in the rows, than larger growing Mangels, and it will yield remarkably heavy crops.

Half Sugar Red, per $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs., 90c. lb.
Half Sugar White, per $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.00; 10 lbs., 90c. lb.

RUTA BAGA, RUSSIAN OR SWEDISH TURNIPS

The Ruta Baga is important for stock feeding purposes and can be sown quite late. It grows very rapidly and yields from 25 to 35 tons per acre, in good rich deep soil, with proper cultivation. The Ruta Baga proper should be sown in this latitude from May 25 to June 25. If sown then, it should be in rows, 30 inches apart, and the plants thinned with a hoe to 12 or 14 inches apart, but if sown a month later, the distances between the rows and between the plants may be 8 inches. Sow 2 or 3 lbs. per acre.

Long Island Improved Purple-Top. It is perfectly hardy, and produces almost twice the weight per acre of any other variety. \$2.00 per lb.

Improved American (Purple-Top). Very hardy and productive; flesh yellow, solid, sweet and fine-flavored; equally good for stock or table use. \$2.00 per lb.

Large White French. Flesh firm, white and solid; large size, and has a very rich flavor. \$2.00 per lb.

MILLET FOR SUMMER SOWING.

Millets are valuable as "catch" or "stolen" crops, especially in seasons when the hay crop is short. They are annuals and grow rapidly, usually being ready for cutting in six weeks from seed sowing. They withstand severe droughts, when other crops are parched up. If cut when in blossom, millets cure into excellent hay; if allowed to ripen they become too woody. Sow from May 1st to August 1st.

Hungarian Millet. Is the quickest of catch crops for hay, and may be sown any time up to middle of August; it is invaluable for overcoming a shortage of the regular hay crop. Many farmers now occupy their land with other crops, and for their hay depend entirely on Hungarian Grass, which they can sow after other crops have been harvested. Sow 1 bushel per acre. Price \$4.00 bushel of 48 lbs., 10 bushels and upwards, \$3.90.

Golden Millet. This variety is considerably larger than Hungarian and yields a much heavier crop, but is later and not so quick growing, consequently cannot be sown after the fourth of July in this latitude. Our seed is specially selected. Sow one bushel per acre. \$4.50 bushel of 50 lbs.; 10-bushels and upwards, \$4.40 bush. (See engraving.)

Japanese Millet. Entirely distinct from any other Millet, grows 6 to 8 feet high and produces an enormous crop, yielding 10 to 12 tons green fodder per acre. When cured it

makes excellent hay, and is much relished by all kinds of stock, whether green or cured. Cure as you would a heavy crop of clover. This Millet does not endure drought well, but north of Washington we confidently recommend its general cultivation.

Sow from the middle of May to the 1st of July, broadcast at the rate of 15 lbs. per acre, but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and hoe between the rows to keep down all weeds, until the plant attains a height of 12 to 18 inches, when its rapid growth will smother all weeds. Prices 20c. lb., 10 lb. \$1.75., 100 lb. \$15.00.

SAND OR WINTER VETCH. *Vicia Villosa*. Is perfectly hardy, remaining green all winter. It should be sown during August and September, mixed with Rye, which serves as a support for the plants, or in Spring with Oats or Barley.

It grows to a height of 4 to 5 feet and is the earliest crop for cutting, being a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting Spring crops. It is exceedingly nutritious, and may be fed with safety to all kinds of stock.

Sow one bushel per acre with one-half bushel of Rye or Wheat. Price, 20c. lb., \$9.75 bushel of 60 lbs. 100 lbs. \$15.00.

JAPANESE BUCKWHEAT.

Introduced into cultivation by us in 1887. Japanese has superseded all others and is now almost universally grown in preference to the common black and Silver Hull varieties. Flour made from it is greater in quantity and equal in quality, if not superior to that of any other Buckwheat. It ripens a week earlier than Silver Hull and yields two or three times as much. Price, \$1.00 a peck, \$3.50 per bushel of 48 lbs., 10 bushel lots, \$3.40 per bushel.

HENDERSON'S RECLEANED CRIMSON OR SCARLET CLOVER FOR SUMMER SOWING

All lands from which crops have been harvested during the Summer and Fall should be sown with Scarlet Clover, plowing under the following Spring. Authorities who have made a careful estimate, state that plowing under a good crop of Scarlet Clover is equivalent to 20 tons of stable manure per acre.

It may be sown among corn, tomatoes, turnips, etc., at time of last hoeing, or after potatoes, melons, cucumbers have been harvested, or on grain stubble and harrowed in. When sown in July and early in August, it has proved hardy as far North as Michigan and Canada. In the latitude of New York, time of sowing may extend from July 15 to September 1st, and further South even later. Sow 15 lbs. per acre. Price, choice recleaned highest quality, new crop seed 20c. lb., \$9.75 bush. of 60 lbs.; \$15.00 per 100 lbs.





HENDERSON'S
SPECIAL
GRASS SEED
MIXTURE
FOR HAY
AND
PERMANENT
PASTURE



The fall season is especially favorable to the growth of young grass, for at that season the seeds have the benefit of thoroughly warmed ground and a copious rainfall, which hastens germination and enables the grass to become firmly established before winter sets in. Then, on the opening of spring, the grass immediately recommences its growth and taking full possession of the ground, prevents weeds from obtaining a foothold

Henderson's Special Grass Seed Mixture FOR HAY AND PERMANENT PASTURE.

It Produces Wonderful Hay Crops and Luxuriant Pasture Maintaining Its Cropping Qualities Twenty Years or More.

This famous mixture has seeded thousands of acres of meadow and pasture land for progressive farmers and stock raisers in various parts of the United States, with most gratifying results. It is a well-balanced combination of a number of native and acclimated foreign Grasses and Clovers, blended and improved upon during exhaustive trials under widely varied conditions, soils and localities for several years, until practically perfect, our aim being to produce, under the extremes of the American climate of heat, drought and cold, a PERMANENT, dense and deep-rooting turf that would yield year after year the maximum quantity of forage. These Grasses are of superior quality, inviting, sweet and nourishing, whether used as hay or pasture. That we have been successful is attested by the numerous letters of praise for these special Grass mixtures that we have received from the users, and the tributes to their merits published in many of the agricultural journals.

In preparing these mixtures the greatest care is exercised in selecting such varieties as are suited to the soil to be sown, and to realize the object in view. Therefore a description of the soil and climate, and the purpose for which sown, and if with or without a grain crop, should accompany each order. Sow 40 lbs. per acre. Full directions for sowing enclosed in every bag. (See engraving.)

Price (purchaser paying carriage), 35c. per lb.: 10 lbs. \$3.25; 100 lbs., \$30.00. (State whether wanted for light, medium or heavy soils.)

WE ALSO OFFER

Henderson's Special Grass Mixture for Permanent Pasture
Henderson's Special Grass Mixture for Permanent Hay
Henderson's Renovating Mixture for Improving Old Pastures
Henderson's Special Grass Mixture for Woodland Pastures
Sow 40 lbs. per acre
Price (purchaser paying carriage), 35c. per lb.: 10 lbs., \$3.25; 100 lbs. \$30.00.

REGARDING CLOVERS.

Do not omit to sow Clovers with the Grasses, as they add to the yield of hay and pasture, and by their ability to collect atmospheric nitrogen and store it in the root nodules, assist the growth of the Grasses and are of considerable benefit to subsequent crops.

Mixed Permanent Clovers, on account of their greater weight, should be sown separately, but at the same time as the Grasses. This Mixed Clover comprises White, Mammoth Perennial or Cow Grass, Alsike, etc. Sow 10 pounds per acre. Price, 40c. per lb.; 10 lbs., \$3.75; 100 lbs., \$35.00.

Henderson's Northern Grown Alfalfa Seed.

ALFALFA, or LUCERNE. (*Medicago sativa*.) A Clover-like leguminous plant of great importance as a hay and forage crop, nutritious and rich in protein elements. It grows 2 to 5 feet high and sends roots 5, 10, 20, and sometimes 30 feet into the subsoil. It needs one season to become established, after which it yields enormous crops annually for many years. 3 or 4 cuttings per season, aggregating 4 to 6 tons cured hay per acre, are harvested, according to conditions and locality. It does well on all good rich soils (except heavy clay), if well drained, or overlying a permeable subsoil; on calcareous soil it thrives especially well. Sow in the Northern States during June, July or August, 30 to 40 lbs. of seed per acre if broadcasted, or 25 to 30 lbs. if drilled. In the South sow in February or September. Price, 40c. lb.; \$21.75 bushel of 60 lbs.; \$35.00, 100 lbs.

Send for our special List of Farm Seeds. It is sent post free.

The Most Beautiful Lawns in America

Lawn Grass Seed
may be sown
with success
up to the 20th of June

Are made with the **HENDERSON LAWN GRASS SEED**. This celebrated mixture has been thoroughly tested by country-wide use for more than half a century. It is the fruit of years of experience and close study of *American conditions* and is undoubtedly the best for the *American climate*. By its use a deep green, velvety sward, free from clumps, can be produced in from four to six weeks' time.

THE FALL SEASON IS ESPECIALLY FAVORABLE TO THE GROWTH OF YOUNG GRASS, for at that season the seeds have the benefit of a thoroughly warmed ground and a copious rainfall, which hastens germination and enables the grass to become firmly established before winter sets in. Then, on the opening of spring, the grass immediately recommences its growth and taking full possession of the ground, prevents weeds from obtaining a foothold. A lawn grown in this way will endure summer drought much better than a spring-sown lawn.

THE **HENDERSON LAWN GRASS SEED** is an intelligently arranged combination of grasses, which are at their best during different months of the year, thus keeping a lawn constantly covered with verdure. It is impossible to make an enduring lawn by sowing seeds of a single variety, which will only grow vigorously for a portion of the year. Kentucky Blue Grass for instance, which is sometimes recommended for lawns, grows but sparsely during midsummer, is slow to form a close sward, requiring two years to do that, and loses color in hot weather.

THE **HENDERSON LAWN GRASS SEED** is composed of fine-leaved, dwarf grasses, which produce a closely interwoven turf that maintains from year to year a covering of enduring green.

The quantity required for new lawns is 5 bushels per acre. For a plot 15 x 20, 300 square feet, use 1 quart. For renovating old lawns, use one fourth to one-half of above quantities. *Full instructions in every bag and package.*

DELIVERED FREE IN THE U. S. 35c. per qt., 65c. for 2 qts. \$1.25 for 4 qts., \$2.00 per peck of 5 lbs.; \$7.00 per bus. of 20 lbs. (By parcel post, express or freight, at our option.)

HENDERSON'S LAWN GRASS MIXTURE FOR SPECIAL PURPOSES.

"TERRACE SOD" Lawn Grass Seed for terrace and embankments; 40 cts. per quart; \$1.35 for 4 quarts; \$2.25 per peck of 5 lbs.; \$8.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"SHADY NOOK" Lawn Grass Seed for shady places; 45 cts. per quart; \$1.50 for 4 quarts; \$2.75 per peck of 5 lbs.; \$10.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"SUNNY SOUTH" Lawn Grass Seed for southern states; 45 cts. per quart; \$1.50 for 4 quarts; \$2.75 per peck of 5 lbs.; \$10.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"ATHLETIC FIELD" Grass Seed Mixture; 45 cts. per pound; \$35.00 per 100 pounds. *Delivered free in the U. S. Sow 75 to 150 pounds per acre.*

"SEASIDE" Lawn Grass Seed for sandy soil and saline surroundings; 35 cts. per quart; \$1.25 for 4 quarts; \$2.00 per peck of 5 lbs.; \$7.00 per bushel. *Delivered free in the U. S.*

"PUTTING-GREEN" Grass seed Mixture for golf-courses; 55 cts. per quart; \$1.75 for 4 quarts; \$3.25 per peck; \$12.00 per bushel of 25 pounds. *Delivered free in the U. S.*

"FAIR-GREEN" Grass Seed Mixture for golf-courses; 45 cts. per pound; \$35.00 per 100 pounds. *Delivered free in the U. S. Sow 75 to 150 lbs. per acre.*

"TOUGH TURF" Grass mixture for tennis-courts, croquet-grounds and bowling-grounds; 40 cts. per quart; \$1.35 for 4 quarts; \$2.25 per peck of 5 lbs.; \$8.00 per bushel of 20 pounds. *Delivered free in the U. S.*



Read "How to Make a Lawn," by Peter Henderson, which treats in detail of Lawn Formation and Care. sent free with all orders.

SUMMER IS THE TIME TO PLANT HENDERSON'S PERENNIAL FLOWER SEEDS.

Hardy gardening is becoming more popular in America every year. To meet the increasing demand for seeds of perennial plants we append a list of the leading sorts, which if sown this summer will produce plants that will flower next season. Biennial grow from seed one year, bloom and die the next. Perennials last for several years, blooming annually from seed after the first season. Cultural directions are printed on each packet.

Perennials are generally raised from seed sown from early spring to about August 1st, in the latitude of New York. Treated thus, they make strong plants which may be planted in a permanent situation early enough in the fall to enable them to winter safely. In some instances plants will flower the first year from seed if sown quite early, but nearly all require a year to reach their best development.

The great charm of Perennials lies in their permanence. Once established they are a constant source of pleasure, and among the most interesting plants in our gardens, presenting a variety of size, form and color so great as to fit them for almost every conceivable purpose in the garden. Some may be made to thrive under most unkind conditions while others are adapted

to the most skilful cultivation. Many plants of this class, notably Antirrhinums, have been so greatly improved by hybridization during recent years, that they may now be had in varying height, and in almost every shade of color. A very large proportion of the Perennial plants that may be grown from seed have great value as cut flowers, particularly so because of their great substance, which enables them to stand up well long after cutting. In the matter of arrangement they offer an almost endless choice. Some grow into majestic plants, which may stand as single specimens, others may be used for conspicuous display in masses or clumps, while others are of great value as border plants. Notwithstanding their individual charm, they are most effective when planted in a mixed border, where by arranging them according to height, color and season of flowering, an attractive display may be had from the earliest days of spring, all through the summer, and even after the first frosts herald the approach of winter. And so, week by week, as sure as the season revolves such a border will present new charms and revive old ones, the beauty of it growing with ever-increasing interest. (See our Complete List on pages following.)

HENDERSON'S "GARDEN BEAUTIFUL" COLLECTIONS

HENDERSON'S GARDEN BEAUTIFUL" COLLECTION OF
HARDY PERENNIAL FLOWER SEEDS
FOR GARDENS, BORDERS AND GROUPS

(These flower from seed the second year and thereafter.)

- 4711 Collection of 24 Kinds, Enumerated Below, \$1.25 } Mailed
4712 Collection of 12 Kinds, Prefixed X for 75c. } Free!

- Achillea, The Pearl. Double white flowers, borne profusely in summer.
- X Alyssum Saxatile Compacta. Spring-blooming, hardy yellow Alyssum.
- X Aquilegia or Columbine, Large-Flowering Hybrids. Beautiful new colors.
- X Asters, Hardy, Large-Flowering Hybrids. Improved Michaelmas Daisies. Canterbury Bells, Calycanthema, Mixed. The "Cup and Saucer" type. Candytuft, Gibraltica. Rose and white hardy Candytuft.
- X Carnation, Hardy Garden, Mixed Colors. Double fragrant flowers.
- X Coreopsis Lanceolata, Harvest Moon. Large golden-yellow flowers.
- X Delphinium, Large Single Hybrids, Mixed Colors. Perennial Larkspurs. Dianthus Plumarius, Double Mixed. The Pheasant's Eye or Grass Pinks.
- X Digitalis Gloxinoides, Mixed. The finest strain of Foxglove, various colors.
- Gaillardia Grandiflora Maxima, Mixed. Flowers, red, yellow, etc.
- X Hollyhock, Extra Choice Double, Mixed Colors. Many beautiful colors. Lobelia, Hardy Hybrids, Mixed. Improved types of the Cardinal Flower.
- Pentstemon, Finest Mixed. Large Foxglove-like flowers of brilliant colors.
- Platycodon Mariesi, Mixed Colors. Compact bushes with bell-shaped flowers.
- X Poppy, Hardy Oriental Hybrids Mixed. Immense flowers, 6 inches across.
- Pyrethrum, Large-Flowering Hybrids, Mixed. Single Daisy-like flowers.
- X Scabiosa Caucasia. Saucer shaped flowers, of lovely light blue.
- X Stokesia Cyanea. The Hardy Cornflower Aster, blue flowers, 4 inches across.
- X Sweet Rocket, Mixed Colors. Fragrant purple or white flowers.
- X Sweet William, Large-Flowering, Single, Mixed. Rich colors.
- Tritoma Uvaria Grandiflora (Red-Hot Poker). Spikes of fire-red flowers.
- Wall-Flower, Double Large-Flowering, Mixed Colors. Fragrant flowers,

HENDERSON'S "GARDEN BEAUTIFUL"
COLLECTION OF SEEDS OF
HARDY CLIMBING PLANTS

(These are Perennials, flowering after the first year.)

- 4731 Collection of 6 Kinds, Enumerated Below, 50 Cents.
- Ampelopsis Veitchii. The Japanese or Boston Ivy, clings to walls, etc. 30 ft.
 - Aristolochia Siphon. Dutchman's Pipe Vine, luxuriant climber. 30 feet.
 - Clematis Paniculata. A mass of white star-like flowers in autumn. 30 ft.
 - Kudzu Vine. Grows rapidly; Pea-shaped, purple flowers. 40 to 50 feet.
 - Lathyrus Latifolius, Mixed Everlasting Pea. Sweet Pea-like flowers. 6 to 8 ft.
 - Wistaria Sinensis. Pendant clusters of blue flowers. 25 to 40 feet.

Henderson's
GARDEN GUIDE AND RECORD

Free with orders of \$2.00 or over

Includes Growing Flowers from Seeds Aid to Selection for Different Purposes, List of Fragrant Flowers, Plans for Flower Beds, Gladiolus, Peony Culture, Dahlia Culture, Bulb Culture, Insects and Plant Diseases etc.



ARISTOLOCHIA OR DUTCHMAN'S PIPE

PERENNIAL FLOWER SEEDS

FOR
FALL AND
SUMMER
SOWING



DOUBLE AQUILEGIA

	PKT.		PKT.
ACHILLEA, The Pearl. A greatly improved variety of this old, hardy garden favorite <i>A. Ptarmica fl. pl.</i> The Pearl produces larger double pure white flowers in clusters on long stems from spring until frost. Splendid cut flower; 2 feet.....	10	AQUILEGIA—Continued.	
ALYSSUM, Saxatile Compacta. A beautiful dwarf hardy perennial for spring beds or edging a flower border. The flowers are produced in large clusters and are of a deep pure yellow; $\frac{3}{4}$ foot.....	10	Double-Flowering, Long Spurred Hybrids. Beautiful long-spurred, large, double flowers.....	25
AMPELOPSIS Veitchii, Boston or Japanese Ivy, valuable hardy climber, clinging to wood, stone or brick walls; dense ivy-green foliage, changing to red in autumn; 30 feet.....	10	Bell-Flowered Columbine. (<i>Aquilegia Clematiquilla</i> .) A beautiful new spurless type producing large open bell-shaped flowers of many colors, shades and combinations, including sky blue, pink, deep blue, purple, violet, lavender, white, flesh, rose, maroon, salmon, etc., in mixture.....	25
ANCHUSA Italica (Dropmore). A fine, large, hardy herbaceous plant; 4 to 5 feet high, with flowers of lovely Gentian blue.....	15	Chrysantha. The beautiful long-spurred yellow.....	10
ANEMONES (A. St. Brigid.) These beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double and double flowers 3 to 5 inches across, in an endless variety of colors, from maroon and brightest scarlet to flesh-pink and from lilac to purple. For cutting they are unsurpassed, and in the garden they flower until after frost; hardy perennials flowering from seed the second year and thereafter..	15	Coerulea Hybrida. Rocky Mountain variety, long-spurred flowers of white and blue.....	10
ANTIRRHINUM, Giant Flowering. These improved "Snapdragons" form brilliant garden beds, flowering profusely and continuously during the summer and fall. They grow about 2 feet high. The flowers are nearly double the size of the older sorts.	15	ARISTOLOCHIA Siphon. Dutchman's Pipe Vine. Hardy climber; has large leaves, making dense shade; flowers mottled yellow and brown 30 feet.....	10
Tall Giant-Flowering Mixed. Per 1000 seeds 60c....	15	ASPARAGUS Verticillatus. Hardy climber, with feathery foliage and scarlet berries; 10 ft.....	10
The following separate colors..... each	15	ASTER, Hardy, New Large Flowering.	
Blood-Red Maroon		These "Michaelmas Daisies" are splendid subjects for permanent positions in the herbaceous border where they form large bushy clumps, $1\frac{1}{2}$ to 2 feet high, and are covered with clusters of large single flowers during the late summer months.	
Deep Rose Pink Orange-Scarlet. White throat		White Queen. Pure white single flowers.....	15
Deep Scarlet White		Alpinus Goliath. Lilac with yellow center.....	15
Light Pink Yellow		Hardy Asters, Mixed Colors. New Hybrids.....	10
Collection, 1 pkt. each, 8 separate colors.....	1.00	BELLIS, or Double Daisy. Greatly improved varieties of the popular "Double Daisies." Admirably adapted for edgings, borders and low beds. It is preferable to sow the plants in cold frames in fall and winter; $\frac{1}{2}$ foot.	
Semi-Dwarf Giant-Flowering. These semi-dwarf varieties produce flowers as large as the tall sorts, while the plants are of compact, bushy growth, only a foot high, and are completely covered with flowers throughout summer and fall.		Longfellow. Extra large double rose-pink flowers... 10	
Albino. Cream flushed pink.....	10	Snowball. Large, double, pure white flowers.....	10
Picturatum. Blotched and spotted.....	10	Red. Densely double flowers, glowing rosy red... 10	
The Bride. Pure white.....	10	Mixed Colors..... 10	
Scarlet..... 10		Monstrosa. These new "Double" daisies surpass all strains of this popular hardy plant in strong robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers that measure two inches across, carried on long strong stems.	
Yellow..... 10		Monstrosa Double White..... 20	
Coral-Rose..... 10		" Double Rose..... 20	
Mixed Colors, Per 1000 seeds, 40c..... 10		" Double Mixed..... 20	
Collection, 1 pkt. each of above 6 separate colors..... 50		BIGNONIA Grandiflora. The hardy trumpet Creeper, clusters of large orange-red flowers picturesquely effective on arbors, old trees, etc.; 40 to 50 feet... 10	
AQUILEGIA (Columbine.) Hardy garden perennials. Very effective when grown in beds or the herbaceous border. Height $1\frac{1}{2}$ to 3 feet.		BOLTONIA Asteroides. Hardy perennial, growing 6 feet in height, producing single white Marguerite-like flowers during summer and autumn.....	10
Henderson's American Hybrid Columbine. The plants are robust; the flower stems, often 40 inches in height, carry clusters of immense long-spurred, single flowers. The colors are superb.....	25	CAMPANULA Bell-Flower.	
Single, Large-Flowering, Mixed colors..... 10		Campanula Persicaefolia grandiflora. (Peach leaved Bell-Flowers), handsome, hardy perennials, throwing up spikes 2 or 3 feet high; bearing during summer large, bell shaped blossoms of blue or white.	
		White..... 10	10
		Campanula pyramidalis. Mixed Colors. The favorite "Chimney Bell-Flower," a hardy biennial—tall spikes of bell-shaped blossoms in shades of blue and white; height, 4 to 5 feet.....	10

Cultural Instructions are printed on all packets of Henderson's Flower Seeds.



PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING
(Continued)



CAMPANULA Bell Flower—Continued.

Campanula pyramidalis compacta. Mixed Colors. Dwarfier and more compact in growth than the old pyramidalis—attaining a height of only 2 to 3 feet. They bloom freely and the flowers are equally as large; colors, various shades of blue and white. . . . 10

CANDYTUFT, Hardy. Compact-growing, hardy perennial plants, admirably adapted for permanent front rows of borders or for low clumps or beds. . . . 10

Gibraltarica. Showy, large-growing, red and rosy-white; 1 to 2 feet. . . . 10

Sempervirens. Completely covered with heads of white flowers in spring; 1 foot. . . . 15

CANTERBURY BELLS. Hardy biennial, 2½ feet high producing large, bell-shaped flowers of exquisite colors. The "Cup and Saucer" varieties (*Campanula Calycanthera*) produce beautiful single flowers 3 in. in length, saucers 3 to 4 inches across . . . 10

Media (Canterbury Bells) single mixed. . . . 10

The following separate colors, single blue, rose or white, each. . . . 10

Media double mixed. . . . 10

The following separate colors, double white, double rose, or double blue, each. . . . 10

Calycanthera mixed "Cup and Saucer" varieties. . . . 10

The following separate colors, calycanthera blue, striped, rose or white, each. . . . 10

CERASTIUM Tomentosum (Snow in Summer). A procumbent, hardy perennial, having white foliage and a profusion of small white flowers. Very pretty as an edging plant. . . . 15

CARNATION, Hardy Garden. Double Mixed. Will produce large clumps that will stand out over winter and bloom throughout the following summer and fall. Extra fine strain. Per 1,000 seeds, 75c. . . . 10

CHRYSANTHEMUM Single Hardy. The large flowering single white hardy daisy—*Chrysanthemum leucanthemum maximum*—long considered one of our finest hardy perennials for garden decoration. . . . 10

King Edward forms a bushy, plant 18 inches high, producing, during late summer and fall, magnificent large white flowers, 3 to 4 inches across . . . 10

Little Gem. A new dwarf variety, only 15 to 18 inches high, of even bushy growth; blooming very early, and bearing large, white flowers on long stems. Splendid for herbaceous borders . . . 25

Shasta Daisy. Produces pure white flowers 4 inches or more across, on stems 1½ to 2 feet in length. Plants, 2 to 2½ feet in height. . . . 15

CLEMATIS Paniculata. One of the finest hardy perennial climbers. Covered from the ground to the summit with pure white fragrant flowers. 12 feet. . . 10

Large-Flowering, Mixed (Jackman's). Flowers 3 to 4 inches across of charming shades of blue, white, purple, lavender, etc.; 10 to 12 feet. . . 10

COREOPSIS Harvest Moon. One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high. It produces immense, long-stemmed, rich yellow flowers, shaded with orange, flowering in profusion for a long period. . . . 10

PKT.

COREOPSIS—Continued.

PKT.

El Dorado. The long-lasting flowers are simply perfect, measuring 3 inches and over in diameter, and are borne on stalks 15 to 18 inches in length. Color, brilliant golden yellow. Compact, bushy plants—about 2 feet high—blooming abundantly during summer and fall. . . . 10

COWSLIP. (Primula veris). This beautiful spring-flowering dwarf hardy perennial bears clusters of fragrant flowers of various colors, as yellow-brown, edged yellow, etc. They are particularly pretty when grown in good sized colonies in partially shaded situations. Height, 6 inches. . . . 10

DELPHINIUM, or Hardy Larkspur.

Giant Single and Double Superb Hybrids. A splendid race of these popular hardy garden plants. The blossoms are of immense size, single, semi-double and double, dressing the graceful, towering spikes for from 2 to 5 feet of their length. The colors range from white and lavender through every shade of blue from azure to indigo and purple, several shades being blended in some of the varieties. The plants grow from 6 to 10 feet in height and are very desirable and valuable in the garden during the spring and early summer. These improved hybrids should, to get the best effect, be planted in groups dotted here and there at intervals in the herbaceous border. The lighter colors look particularly well when planted in front of shrubbery where they will be thrown into strong relief. Delphiniums are also very beautiful for house decoration shown in vases. By cutting off the spikes immediately after flowering, these Delphiniums may be had in bloom for several months. **Mixed Colors.** Per 1000 seeds \$1.00. . . . 25

Hybridum Belladonna Fanny Stormonth. A greatly improved variety of the "Belladonna" Larkspur; early and continuous blooming, light azure-blue color, flowers larger, on stems 5 to 7 feet high. . . . 15

Formosum. Deep blue, white centre; 2 to 3 feet. . . 10

Single, Fine Mixed Colors. . . . 10

DIANTHUS, Hardy, Grass or Spice Pinks.

Dwarf Large Double-Flowering Grass or Spice Pinks. (Dianthus Plumarius Nanus, fl. pl.) In these new Pinks the color refers to the center of the flowers, the remainder being white or blush with a band of color near the margin; the colors include blood-red, rose, maroon, purple, pink, blush, spotted, laced, variegated, etc. They are perennial garden plants, about 1 foot high, vigorous, hardy, and flower profusely during spring and early summer. The flowers are large, double, beautifully fringed, and emit a clove-like perfume. **Mixed colors.** . . . 20

Perfection Pinks. A superb strain of the hardy Grass Pink—*Dianthus Plumarius*—bearing enormous double flowers of perfect form. Smooth round petals of pure white, edged with deep crimson, very fragrant. . . 15

Crown "Grass" Pinks. A new race with branching flower stalks 10 to 12 inches high, carrying large fragrant single, and semi-double flowers with fringed petals; colors, white, carmine, rose lilac, etc. Each flower marked in the centre with a crimson or purple crown. They flower from May to July. . . . 15

We deliver FREE all Flower Seeds or Vegetable Seeds by the pkt., oz., ¼-lb. and pound.



LUPINUS

PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING
(Continued)



MYOSOTIS—RUTH FISCHER

	PKT.		PKT.
DIANTHUS, Hardy, Grass or Spice Pinks—Continued.		HIBISCUS, Hardy Varieties (Marsh Mallows). These are showy hardy bushy plants, 3 feet high, bearing immense bowl-like flowers often 6 inches across.	
Plumarius, double mixed. The favorite Pheasant's Eye or Grass Pinks 1 foot.....	.10	Giant Rainbow. A grand hardy perennial shrub, growing from 5 to 6 feet high, producing beautiful single flowers 6 to 8 inches in diameter, the colors range from white and pink to many shades of red and crimson, which we offer in mixture. Pkt.....	.15
DIGITALIS or Foxglove. Gloxinia-Flowered.		Giant Yellow. Yellow, garnet throat.....	.10
These improved Foxgloves are very showy, hardy plants; they are easy to grow and produce freely, spikes, 4 to 5 feet high, well furnished with large Gloxinia-like flowers of various colors, including white, cream, rose, red and other shades.		INCARVILLEA Delavayi. Beautiful plant with long, flexible branches, strong flower stalks 3 ft. high, bearing large tubular flowers of rosy carmine, spotted yellow; throat brown.....	.15
White, spotted.....	.10	LATHYRUS Latifolius, Hardy Everlasting Peas. These climb 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. They are adapted to rough places, to scramble over rocks and bushes; splendid cut flowers.	
Lilac, spotted.....	.10	Red.....	.10
Mixed colors. (Gloxinoides).....	.10	White Pearl. Large pure white flowers.....	.10
Grandiflora. Yellow. Very charming flowers of soft chrome-yellow on 3-foot spikes.....	.10	Mixed colors.....	.10
Monstrosa. Long spikes of large flowers, many of which are beautifully spotted, etc., but the striking feature of this strain is the enormous bell-shaped blossom that tops each spike of flowers. Mixed colors.....	.15	LUNARIA Biennis or "Honesty." Hardy biennial especially useful in shady, damp places; the flowers of purple, crimson or white are followed by silvery transparent seed pods; height, 2 feet. Mixed colors.....	.10
GAILLARDIA Giant Hardy Hybrid. The flowers often 4 to 5 inches across, and very highly colored, as scarlet with gold edge, golden-red with yellow edge, yellow with orange disk, blood with scarlet border pure yellow, fiery-crimson and many others. These magnificent Gaillardias are hardy perennials, compact in growth and produce a constant succession of flowers summer and fall. Mixed colors.....	.10	LOBELIA, Hardy. Tall, hardy perennials with long spikes of brilliant flowers. Fine for permanent beds and borders. They thrive in shady situations; 2 to 4 feet. Mixed colors.....	.25
GYPSOPHILA "Paris Market." An improved large-flowering variety of <i>G. elegans</i> . It forms branching plants about 2 feet high, fairly smothered all summer long with graceful clusters of snow-white flowers half an inch across. A pretty garden annual, and of great value for bouquets, vases, etc.....	.10	Cardinalis. (Cardinal Flower.) Long spikes of intense scarlet flowers.....	.25
Double-flowering (<i>G. paniculata</i> fl. pl.). A new type bearing racemes of double white flowers which last long in perfection; 50% will come double, the balance single-flowering plants.....	.25	LUPINUS, New Hardy Hybrids. Showy, hardy perennials 3 to 4 feet in height producing during summer, long racemes of pea-like flowers in a variety of colors (See engraving).....	.10
HOLLYHOCK Hardy Double. Grand summer and autumn flowering plants, bearing long spikes of double flowers 3 to 4 inches across. They are old inhabitants of our gardens, but are now so improved in doubleness and enlarged in size, as to be revelations of beauty to those who have not seen these improved sorts. Hardy biennials 5 to 8 ft. high.....		LYCHNIS Chalcedonica. The scarlet Lychnis, an old favorite bearing heads of bright scarlet flowers; very hardy; 3 to 4 feet.....	.10
Double Canary-yellow.....	.10	MYOSOTIS or Forget-Me-Nots. Well known perennials. "Blue Eyes" (Novelty). A robust-growing variety of fine constitution, exceedingly free-flowering and bears its flowers well on the top. It is 12 inches high, upright and compact in growth, each plant making a bouquet of Forget-Me-Nots. The color is a telling bright blue and when seen in the mass, as a bed, or in rows, is particularly effective.....	.25
"Crimson....."	.10	Ruth Fischer. The plant is compact with glossy dark green foliage, above which are carried large clusters of immense pure Forget-me-not blue flowers, larger than those of any other known Forget-me-not.....	.15
"Lavender....."	.10	Triumph. A large-flowering Forget-me-not. The flowers are large and borne in clusters on long stems. Color, bright turquoise-blue with yellow eye.....	.10
"Maroon....."	.10	Palustris, Large-flowering. Dark-blue; 1 foot.....	.10
"White Violet Center....."	.10	Victoria. Grand "Forget-me-nots" forming round, compact bushes about 8 inches high.	
Extra Choice Double Mixed. From named varieties. 500 seeds, 50c.....	.10	Blue.....	.10
Imported Collections of Double Hardy Hollyhocks. 6 separate colors, 40c.; 12 separate colors 75c.....		Mixed colors.....	.10
Single-flowering Hollyhocks, mixed colors, 500 seeds, 35c.....	.10		
Allegheny Hollyhocks. Mixed colors. Semi-double fringed flowers. 500 seeds, 50c.....	.10		
Henderson's Ever-Blooming Annual Hollyhocks. Grand Combination Mixture of doubles and semi-doubles, including all colors, shades and variegations. Per 500 seeds, \$1.00; Pkt.....	.15		

Henderson's Garden Guide and Record answers all cultural questions. Free with all orders amounting to \$2.00 or over if requested.



PERENNIAL FLOWER SEEDS

FOR
FALL AND
SUMMER
SOWING

(Continued)



SELECTED STRAINS OF PANSY SEEDS FOR FALL SOWING.

HENDERSON'S MAMMOTH BUTTERFLY PANSIES

Have been famous many years for their superior size, perfection of form, marvelous diversity of colorings, superb markings as well as for robust plant growth—deep rooting frost and heat resisting qualities and freedom of bloom. (See engraving). Mixed Colors, 15c. per pkt., 75c. per 1000 seeds.

HENDERSON'S GIANT RUFFLED PANSIES.

A remarkable strain of Giant Pansies, the flowers of which are so large and full that the broad petals seem to be "gathered" to the stem, causing them to be undulated and fluted from center to circumference, not unlike "frilled" velvet. They are nearly all five-blotched and contain rich combinations of coloring. Mixed Colors. Pkt. 15c. Per 1,000 seeds, 75c.

HENDERSON'S MAMMOTH PARISIAN PANSIES.

Distinguished by magnificent and varied colors and strong markings. There is usually a large "blotch" on each of the five petals, with a surrounding band of some strikingly contrasting color, over which is thrown a cobweb-like netting of yet another hue. The combinations are composed of shades of cinnamon, violet, canary, orange-yellow, black, garnet, light blue, indigo, cream, etc. Mixed Colors. Pkt. 15c. Per 1,000 seeds, 75c.

HENDERSON'S GIANT MOTTLLED PANSIES

The flowers well-grown measure 3 to 3½ inches across—and of most gorgeous effects, blotched, spotted, marbled, veined, striped and blended, colors passing through reds, rose, pink, white, purple in beautiful and indescribable variegation. Mixed Colors. Pkt., 15c. Per 1,000 seeds, 75c.

VARIOUS POPULAR STRAINS OF PANSIES

	Per 1,000 seeds	Pkt.
Bedding. Finest mixed.....	25	.10
Cassier's 5 Blotched Odier. Mixed.....	75	.15
Bugnot's Large Strained French. Mixed.....	75	.15
English Choicest Show. Mixed.....	75	.25

HENDERSON'S SUPERIOR GIANT TRIMARDEAU PANSIES.

Years of scientific culture, hybridization and selection in raising Pansies have gradually evolved a superior race of luxuriant, robust growth and deep-rooting, drought-withstanding qualities; the flowers have also correspondingly improved in size, substance, form and colors.

Customer's selection of any three 10c. pkts. for 25c.

	Per 1,000 seeds	Pkt.
Giant Trimardeau, mixed colors. Per oz. \$4.00	.50	.10
" Canary Bird. Pure yellow no blotches	.60	.10
" Indigo. Blotched black.....	.60	.10
" King of Blacks. Coal black.....	.60	.10
" Lord Beaconsfield. Lavender and violet	.60	.10
" Madame Perret. Light colors marbled carmine purple.....	.60	.10
" Mercury. Blackish purple.....	.60	.10
" Morning Dawn. Vermillion and golden chamois.....	.60	.10

TRIMARDEAU PANSIES—Continued. Per 1000 seeds Pkt.

" Orchid. Delicate colorings, cream, mauve, blush, etc.....	.60	.10
" Peacock, (Gloriosa). Garnet, cream and blue.....	.60	.10
" Pres. Carnot. White, five large violet blotches.....	.60	.10
" Purple. (atropurpurea).....	.60	.10
" Snow Queen. Pure white, no blotches.....	.60	.10
" Striped. White, blue, violet and chocolate	.60	.10
" Vulcan. Frilled flowers of blood red blotched purple.....	.60	.10
" White Treasure. White with violet blot- ches.....	.60	.10
" Yellow. Mahogany blotches.....	.60	.10
Collection of 12 varieties.....		1.00

WORLD RECORD PANSIES. Hardy Early-Flowering.

This new race of pansies promises to be an important introduction on account of the extreme hardiness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, straw or similar material, full grown plants winter over in the open ground—even in very cold latitudes—and commence flowering in early spring with the Snowdrop and Crocus, or from four to six weeks earlier than other pansies. In fact, we gathered flowers several times during the past winter by lifting the snow-covered hay. They are sweetly perfumed.

	Pkt.
Celestial Queen. Bright sky-blue, tinted lavender, small yellow eye.....	.15
Ice King. Silvery white, with deep blue blotch on lower petals.....	.15
March Beauty. Rich velvety violet-purple, with yellow eye.....	.15
Winter Sun. Golden Yellow with maroon blotch on lower petals. (See engraving).....	.15
World Record Pansies, Mixed Colors.....	.15
Collection. One package each of above four separate varieties.....	.50

PENTSTEMON. "Sensation." The graceful spikes, about 2 feet high, are bedecked with flowers, two inches across, from July until frost. The colors vary from pink to scarlet and maroon, all beautifully blotched and veined; large white throats..... 10

"Excelsior." A new variety having very large flowers, colors range from white to deep scarlet. Pkt..... 25

PLATYCODON Grandiflora. Chinese Bell Flower. Hardy perennials, bearing large bell-shaped white or blue flowers; very handsome for garden decoration; 1½ feet. The *Nana Compacta* type form sturdy little bushes about 12 inches high.

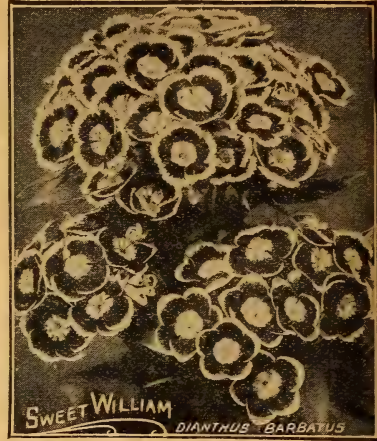
Mixed Colors. Blue and white..... 10
Nana Compacta. Mixed colors. Blue and white.... 10



PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING

(Continued)



	PKT.		PKT.
POLYANTHUS (<i>Primula Elatior</i>). An early-blooming Primrose for spring flower beds or pot culture; the large umbels of flowers edged and laced are borne on stalks 8 inches tall. Mixed colors.....	.15	STOKESIA , The Hardy Cornflower. The plants grow from 18 to 24 inches high and begin flowering in July, continuing without interruption till late in October. The flowers, 4 to 5 inches across, on long stems, are valuable for cutting	
POPPY GIANT ORIENTAL . These hold an unrivaled position for effectiveness in hardy borders; height 2 to 3 feet; flowers immense, often 6 inches across.		Cyanea Blue . Lavender-blue.....	.10
Colosseum . Flowers 8 inches across. Dark scarlet, with a black spot at the base of each petal.....	.15	Hybrids, Mixed Colors , include some charming shades of blue, lavender, violet, white, and a new pink variety.....	.10
Beauty of Livermere . Crimson with black blotch.....	.15	SWEET ROCKET or Dames Violet . Favorite, hardy, herbaceous perennials—for the garden border. The plants form clumps 2 to 3 feet in height covered with showy terminal spikes of flowers resembling Stocks. The colors range from white through lilac to pink and purple; very productive of bloom and splendid for cut flowers. Mixed Colors.....	.10
Princess Victoria Louise Salmon-scarlet.....	.15	SWEET WILLIAM (<i>Dianthus barbatus</i>). One of the finest of our hardy garden plants, of easy culture, thriving in any good garden soil. The plants grow about 1 foot high and form fine clumps	
Salmon Queen . Salmon-yellow.....	.15	Henderson's Perfection . Our improved Perfection strains produce in great profusion large florets in a great variety of extremely rich colors	
Rembrandt . Orange-scarlet.....	.15	Extra choice Single varieties mixed.....	.10
Mixed Colors . Per 1,000 seeds, 50c.....	.10	Double large-flowering mixed . Extra choice.....	.15
POPPY ICELAND (<i>Papaver Nudicaule</i>). The fragrant, crushed satin-like flowers are produced in never-ceasing succession from the beginning of June to October; fine for cutting		Pink Beauty . Large single flowers of pure pink.....	.15
Yellow.....	.10	Scarlet Beauty . Large single scarlet flowers.....	.15
White.....	.10	Harlequin . Large flowers of several colors produced on one plant. Some heads will be all crimson, others all pink, white, etc., but usually florets of different colors will be borne in one head.....	.15
Mixed Colors . Per 1,000 seeds, 50c.....	.10	TRITOMA UVARIA . "Red Hot Poker Plant." Splendid hardy perennial plants, for clumps on lawn or among shrubbery, where the tall spikes of orange red flowers make an effective display from August until November. 4 to 5 feet.....	.10
Storrie's New Iceland Poppies . This new strain contains many new colors and shades, including bluish, salmon, coral-pink, orange-rose, white, lemon, orange, striped, flecked, edged blended, etc. Mixed Colors. Per 1,000 seeds, 75c.....	.15	New Hybrid Tritomas . Showy, hardy plants, producing the brightest flowers of the autumn garden. They grow from seed and flower well the second year commencing in May and continuing through the summer and fall. They range in color through shades of yellow to orange and from salmon-pink, coral red, etc., to crimson. The plants vary in height from 18 inches to 6 feet.....	.25
HARDY BLUE PR MROSE — <i>Primula Acaulis</i> A beautiful blue-flowered type of the popular old English yellow Primrose. Equally as hardy, and a fitting companion for naturalizing among shrubs, in turf or the herbaceous border.....	.25	PANSY-VIOLETS, Tufted or Bedding . (<i>Viola cornuta grandiflora hybrida</i> .) Pansy-like blossoms, 2 to 2½ inches across, of great substance and brilliant colors. The plants are hardy, forming tufted clumps, with myriads of flowers from spring until cold weather. Many are scented. Mixed colors.....	.15
PRIMULA JAPONICA HYBRIDS . These grand, new Japan Primroses are perfectly hardy—forming stately, robust plants that carry large trusses of bloom. The colors range from pure white through shades of pink to deep crimson.....	.25	WALL FLOWER . These perennials make nice bushy plants, 1½ feet high, bearing in the spring long spikes of fragrant flowers of various colors, crimson, purple, yellow apricot, mahogany, pink, etc.	
PYRETHRUM Hybridum . Hardy herbaceous plants, flowers 3 to 4 inches across, of rose, flesh, pink, white crimson, etc.; borne on stems 2 feet high.		Large Double . Mixed colors.....	.15
Single, Large-flowering . Mixed colors.....	.10	Large Single . Mixed colors.....	.10
Double, Large-flowering . Mixed colors.....	.25	Collection of 6 separate Double Wall Flowers.....	.50
SCABIOSA Hardy Varieties		WISTARIA , Chinese. Of luxuriant and rapid growth, bearing in the spring immense panicles of flowers produced in great profusion, 75 feet. Blue.....	.10
Caucasica Perfecta . Dense, spreading plants 2 or 3 feet high. Semi-double flowers, 3 to 4 inches across poised on stalks 1½ to 2 feet long. The coloring is a beautiful lilac-blue.....	.15		
Caucasica Alba . A large, pure white variety; counterpart of the above; beautiful; the flowers, 3 to 4 inches across, on long stems, are exquisite for vases, lasting a long time in water, and they are borne freely like those of its blue-colored parent from early summer to late fall.....	.25		
Japonica . New Scabious from Japan, 2½ feet in height and breadth, with elegant light green foliage. Flowers 2 inches across, on long wiry stems 15 inches in length, of a beautiful mauve blue.....	.10		

Giant Spencer Sweet Peas for Autumn Sowing.

New Giant ^{Early Flowering} Spencer Sweet Peas.

Bloom 4 Weeks Earlier than the Late Spencers, and Under Congenial Conditions Flower Continuously for 4 months.

The plants of this new race are of strong constitution, vigorous growth, profuse and bloom continuous for about four months, grown under congenial conditions. Grown in the open ground they begin flowering in about 106 days from seed sowing or fully four weeks sooner than late flowering Sweet Peas sown at the same time, and they continue to flower in profusion for fully 4 months. It is predicted by Sweet Pea authorities that this race will supplant all other early and late flowering Sweet Peas for winter flowering under glass, and also for open ground culture in our Southern States—sown preferably in fall or winter. Condensed cultural instructions for both garden culture under northern and southern conditions and for winter flowering under glass are given in Henderson's leaflet "How to Grow Sweet Peas to Perfection" free to customers.

VARIETIES OF NEW GIANT EARLY FLOWERING SPENCER SWEET PEAS

	Per Pkt.	Per Oz.
Early Helen Lew-s Spencer. A rich apricot pink or salmon colored flower; large, long-stemmed flowers	.25	1.00
Early Heather Bell. A rich mauve-lavender	.25	1.00
Early Melody. A deep shade of rose-pink. Closely resembling the late flowering "Countess Spencer"	.25	1.00
Early Morning Star. Deep orange-scarlet or flame color with rich orange-pink wings	.25	1.00
Early President Wilson Spencer. Bright carmine-rose, similar in coloring, size and form of flower to Marie Corelli	.25	1.00
Early Snowflake. Pure white and the best white early flowering white seeded Spencer	.25	1.00
Early Song Bird. A soft shade of pale pink similar to the late varieties "Florence Morse" and "Lady Evelyn Eyre"	.25	1.00
Early Spring Maid. An exquisite light cream-pink that is a soft pink over a cream ground color	.25	1.00
"Yarrowa." This variety from Australia has proven its adaptability to American conditions. In our trials it commenced flowering freely two weeks before other large waved Sweet Peas and three to four weeks earlier than some varieties, all given the same cultural treatment, and "Yarrowa" continued in flower, holding its large size and phenomenal floriferousness for weeks after all other Sweet Peas had passed their best. The flowers are large of round waved Spencer form and colored bright rose pink with lighter pink wings	.15	.75
Early Flowering Spencer Mixed	.15	.75

Giant Spencer Sweet Peas.

STANDARD VARIETIES AND NOVELTIES

Sweet Peas, gay and fragrant, are the most universally popular annual flowers cultivated. Inexpensive, easily and quickly grown from seed, thriving in town or country gardens, supplying an abundance of continuous bloom for months—an adornment to garden, house or corsage. Is it any wonder that they are "everybody's flowers," and have been for generations? A few years ago, a paragon type appeared in the famous gardens of Earl Spencer, Northamptonshire, England. This newcomer, extremely beautiful, the fairest-formed and largest Sweet Pea ever grown, was named "Countess Spencer" and from this has sprung the glorified modern race of Giant Waved "Spencer" or "Orchid-flowered" Sweet Peas.

The characteristics of the Spencer Sweet Peas, grown under congenial conditions are: robust growth, the plants attaining a height of from 6 to 10 feet, requiring for full development to be not less than 6 inches apart; a foot apart is better. The flowers are giants among Sweet Peas, measuring 2 to 2½ inches across. They are beautifully formed and daintily waved. Three and often four or five of these queenly blossoms are borne on long, strong stems.

	PRICE	
	Pkt.	Oz.
Henderson's Packets of Named Sweet Peas contain 40 to 50 seeds		
America Spencer. Striped and flaked brilliant carmine-red over white	.10	.50
Apple Blossom Spencer. Banner bright rose color; wings creamy-blush	.10	.50

Giant Spencer Sweet Peas—Continued.

	PRICE	
	Pkt.	Oz.
Henderson's Packets of Named Sweet Peas contain 40 to 50 seeds		
Aurora Spencer. Strongly flaked and striped bright orange-rose on white; large waved flowers	.10	.50
Bertrand Deal. Large waved flowers of an exquisite pinkish-lilac suffused with soft rosy-mauve	.10	.50
Blanche Ferry. Rose pink, bluish white wings	.10	.50
Captain of the Blues Spencer. Maroon purple	.10	.50
Blue Picotee. White, edged blue	.10	.50
Clara Curtis. The best primrose-yellow	.10	.50
Constance Hinton. Young flowers tinted pink but soon turn white	.10	.50
Countess Spencer. A re-selected, improved strain of this grand original "pink Spencer"	.10	.50
Decorator. Bright coral rose suffused cerise and orange	.10	.50
Dobbies Cream. Cream yellow	.10	.50
Etta Dyke. A superior strain of "White Spencer," larger, whiter, and better frilled	.10	.50
Fiery Cross. Fiery orange-scarlet—fine large waved flowers that do not sunburn	.10	.50
Flora Norton Spencer. Beautiful azure or pale blue flowers	.10	.50
Florence Morse. Soft bluish-pink flushed towards edge with deeper pink	.10	.50
George Herbert. Bright rosy-carmine	.10	.50
Helen Lewis. A very large and fine orange-rose; wings orange-salmon	.10	.50
Helen Pierce Spencer. A large, true waved Spencer; ground color, rippled and pencilled with bright blue	.10	.50
Hercules. Clear rose pink	.10	.50
Illuminator. A warm orange-rose self or light orange-scarlet	.10	.50
John Ingman. Rich carmine-rose, very large and fine waved form	.10	.50
King Edward Spencer. Rich crimson-scarlet	.10	.50
King Manoel. Deep maroon, purplish-maroon wings	.10	.50
King White. The best pure white	.10	.50
Lady Evelyn Eyre. Pale pink flushed salmon	.10	.50
Margaret Atlee. Salmon pink over a body color of cream which lights up the whole flower into exquisite beauty	.10	.50
Marie Corelli. Brilliant rose-red	.10	.50
Marks Tey. Rosy maroon, bluish-mauve wings	.10	.50
Martha Washington. Rose-pink with Tyrian rose edge	.10	.50
Maud Holmes. An unsurpassed "Sunproof" crimson	.10	.50
Mary Garden. Pinkish-salmon and apricot	.10	.50
Mrs. C. W. Bredmore. Cream-buff flushed and edged with deep rose	.10	.50
Mrs. Hugh Dickson. Cream pink	.10	.50
Mrs. Routzahn. A favorite "cream-pink;" a blending of straw color, tinted bluish-pink and rosy-apricot	.10	.50
President. Glowing orange-scarlet	.10	.50
R. F. Felton. Lilac tinged French grey	.10	.50
Rosabelle. Bright rose, grand form and size	.10	.50
Royal Purple. The best purple variety	.10	.50
Senator Spencer. A large and fine striped; seal-brown and claret flakes on white	.10	.50
Sterling Stent. Rich deep salmon suffused with fiery orange	.10	.50
Vermillion. Brilliant scarlet	.10	.50
Wedgewood Blue. Silvery-blue, tinged mauve	.10	.50

Henderson's Superior Blend of Mixed Giant Spencer Sweet Peas.

An unsurpassable mixture. Composed exclusively of Giant Waved Spencer varieties, blended in proper proportion of bright colors and including several new hybrids of exquisite colors and shades, many of which, when sufficiently tried up, will be introduced as new-named varieties. Price, per pkt. (75 to 100 seeds), 10c.; three pkts., 25c. Per oz. (400 to 500 seeds), 30c.; per ¼ lb., 85c.; per lb., \$3.00 postpaid.

Henderson's "HOW to GROW SWEET PEAS to PERFECTION," Sent free to customers New Booklet, if asked for.

Orders for implements accepted subject to stock on hand. Note that prices are subject to change without notice.

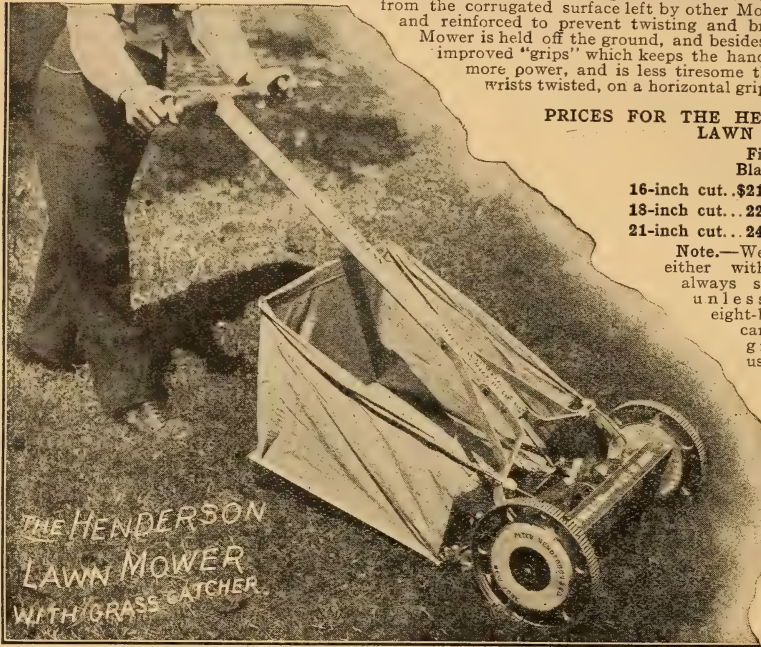
THE HENDERSON SELF-ADJUSTING BALL-BEARING LAWN MOWER.

THE KING OF LAWN MOWERS. LIGHT RUNNING, NOISELESS—DURABLE.

SELF ADJUSTING, DRAW CUT. ALWAYS SHARP. DOES NOT PULL THE GRASS.

THE HENDERSON BALL-BEARING LAWN MOWER is made without regard to cost—to be the best, most durable, and the easiest-working Mower on the market, and while the prices are necessarily a little higher than those of Mowers simply made to sell, yet in the end our Mower will prove much cheaper, aside from annoying delays and repairs experienced with cheap Mowers.

THE HENDERSON BALL-BEARING MOWER has high drive wheels, large, open non-clogging cylinder. The spiral of the knives is correctly proportioned to give a continuous cut, leaving the lawn as smooth as if shaved entirely free from the corrugated surface left by other Mowers. The handles are braced and reinforced to prevent twisting and breaking when one side of the Mower is held off the ground, and besides the handle is equipped with improved "grips" which keeps the hands in a natural position, gives more power, and is less tiresome than a continued grasp, with wrists twisted, on a horizontal grip. (See engraving.)



PRICES FOR THE HENDERSON BALL-BEARING LAWN MOWERS.

	Five Bladed	Eight Bladed	Grass Catcher
16-inch cut..	\$21.00	\$24.00	Extra, \$4.50
18-inch cut..	22.75	26.00	Extra, 5.00
21-inch cut..	24.50	28.00	Extra, 5.50

Note.—We can supply these mowers either with five or eight blades, but always send the five-bladed mower unless otherwise ordered. The eight-bladed mower cuts finer, can be set to mow close to ground, and is extensively used on putting-greens, but it runs a little harder than the five-bladed mower.

GRASS CATCHERS for the Henderson "Ball-Bearing" Lawn Mowers of superior heavy duck; bottom of galvanized iron that will not sag or drag on the ground when filled; they are quickly attached, removed or dumped. (For prices, see above.)

"Runaway" High Wheel Lawn Mower.

A first class high-wheel lawn mower, at a popular price; the four revolving knives give a continuous cut; made of best materials, easy running and fully warranted.

12-inch cut.....	12.00	20-inch cut.....	16.00
14- " ".....	13.00	Metal Bottom Grass	
16- " ".....	14.00	Catcher for any size	
18- " ".....	15.00	"Runaway" Mower	
		(extra).....	2.25

Townsend's Triplex.

Here is a mower much lighter than the ordinary horse lawn mower, but which cuts three times as wide a swath. It will cut a swath 86 inches wide. One man and one horse, with a Triplex, will cut more grass in a day than three men and three horses with three ordinary horse lawn mowers; thus saving the wages of two men, the cost of two horses and the cost of their care and keep. Floats over the uneven ground as a ship rides the waves. One mower may be climbing a knoll, a second be skimming the level, and a third may be paring a hollow. Price, complete, \$400.00. (Extra Unit, \$110.00.) F. O. B. Factory.

The Philadelphia "All Steel" Lawn Mower.

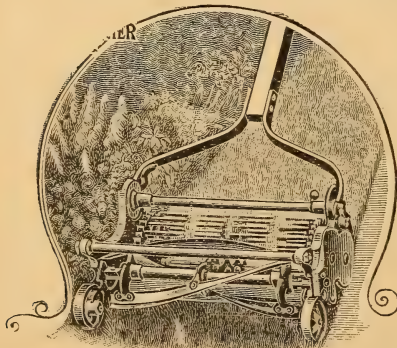
This all-steel, Style A, Philadelphia mower is about the last word in lawn mower construction. The frame, being made of steel in place of cast iron, is much lighter, stronger and not liable to break any place. The drive wheels, 10 inches in diameter, give great traction power and spin the 4-bladed, 6½-inch revolving cutter with great speed, thus leaving a smoothly cut surface.

15-inch cut, \$30.00;	Grass Catcher extra, \$3.50.
17-inch cut, \$33.00;	Grass Catcher extra, \$3.75.
19-inch cut, \$36.00;	Grass Catcher extra, \$4.00.
21-inch cut, \$39.00;	Grass Catcher extra, \$4.25.

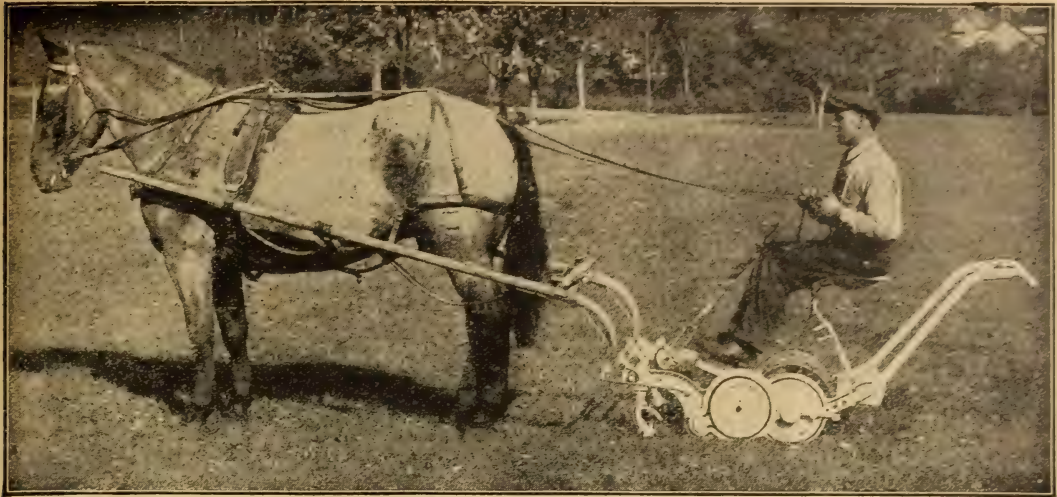
Henderson's Border and Terrace Mower.

Especially designed to cut the grass on borders—the narrow strips of sod sometimes only a few inches wide—between flower beds and walks where a side-wheel mower would have one wheel down in the gutter, and in consequence the mower would cut into the sod. In our Border Mower a large light cylinder extends the full width of the mower and keeps the machine level with the surface and does perfect work. This machine is also useful for regular lawn work. It is very light running, and will give thorough satisfaction.

No catchers can be supplied for this mower.



10-inch cut	\$22.00
12-inch cut	\$24.00
14-inch cut	\$26.00
16-inch cut	\$28.00
18-inch cut	\$30.00



The New Improved Henderson Horse Lawn Mower.

IT IS A HORSE LAWN MOWER AND ROLLER COMBINED

We consider this to be the best horse power Lawn Mower on the market. It is simple in construction and very durable, the best steel and iron being used in its manufacture, and it is finished in the most perfect manner.

A lever beside the driver enables him to cut grass any height, high or low from the ground and to easily and quickly raise the blades over stones or other obstruction without stopping the horse or leaving his seat. A slight movement of a small lever throws the mower in or out of gear without stopping. The side draft rod is attached to the left side of the mower keeping the horse on the cut grass, and preventing the trampling down of the grass which is to be cut. The revolving knives, five in number, are "high speeded," making a continuous cut and leaving the surface of the lawn as smooth as velvet. The rollers, three in number, 15 inches in diameter, with triple pawls in each roll make the most powerful and instantaneous drawing mechanism ever put in a lawn mower. This feature maintains the motion of the blades even when turning sharp corners, a great advantage over other double roll mowers whose knives have no motion when turning corners. The self-aligning journal boxes are a very valuable improvement and prevent cramping of the journals, a very common and dangerous fault in many horse mowers. The foot rest is spacious and prevents cramping of limbs and accidents through the feet slipping into the revolving cutters.

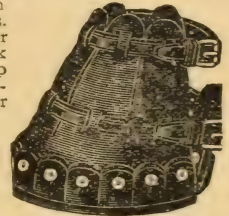
These mowers will weigh, including shafts and driver, 600 to 700 pounds, thereby rolling the lawn at the same time it is cutting; or the cutter may be thrown out of gear, and the machine used for rolling alone.

Prices for the New Improved Henderson Horse Lawn Mower and Roller combined, complete with Tool Box, Seat, Shafts, and side Draft Attachment:

- 30-inch cut, net weight 485 lbs., packed weight 625 lbs. . . \$165.00
 - 35-inch cut, net weight 505 lbs., packed weight 665 lbs. . . 175.00
 - 40-inch cut, net weight 520 lbs., packed weight 695 lbs. . . 185.00
- Booklets on Motor Mower with prices furnished on Application

HENDERSON'S IMPROVED HORSE BOOTS.

Prevent horses' hoofs from cutting into soft lawns. Made of superior leather with improved double thick riveted soles and strap around the hoof. In ordering send outline of hoof. Per set of four, \$20.00.



THE UNIVERSAL LAWN TRIMMER

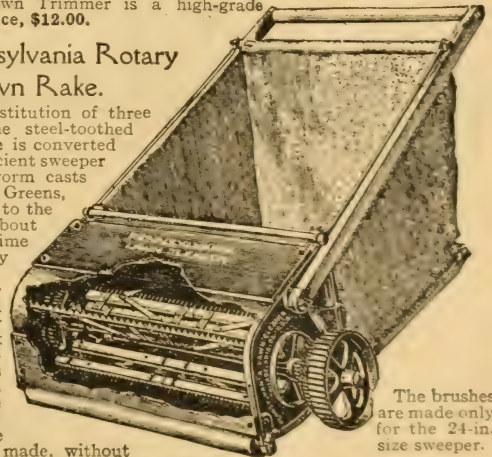
The latest and best machine for trimming grass close up to the fence or wall, thus reducing hand work with shears to a minimum. It will also be found handy for trimming up around trees' under bushes, etc. It cuts 6 inches in width. This Lawn Trimmer is a high-grade machine in every respect with self-adjusting ball bearings. Price, \$12.00.



The Pennsylvania Rotary Lawn Rake.

By the substitution of three brushes for the steel-toothed rakes, the rake is converted into a very efficient sweeper for removing worm casts from Putting Greens, without injury to the turf and in about one-tenth the time consumed by usual methods.

The sweeper can also be used as a lawn or sidewalk sweeper for removing leaves and other litter. The change from rakes to brushes, or vice versa, is easily made, without taking the machine apart.



PRICES

- 24-in.; shipping weight 100 lbs. \$35.00
- 36-in.; shipping weight 120 lbs. 50.00
- Extra set brushes, 24-in. only 8.00

The Henderson CAST IRON WATER BALLAST ROLLER.

The advantages of a roller, the weight of which can be increased or lightened at pleasure, can scarcely be over-estimated. Often on light or sandy soil, or on newly made lawns, or in early spring when the ground is moist or after a rainy spell, a lighter-weight roller is a necessity; then on thick sward or on hard soil, on walks and roads, a heavy roller is needed. With a Henderson Water Ballast Roller one can secure any weight desired, between minimum and maximum by simply removing a thumb cap from each end and filling the two hollow sections with as much water or sand as may be needed, which is easily and quickly done with a hose or through a funnel; and the roller is as quickly emptied. The inside being heavily galvanized it will last for years.

These are perfect rollers, and do perfect work on lawns, tennis courts, golf grounds, roads, walks, etc. They are high-grade in every respect, being carefully manufactured of best material, and the diameter is large, insuring a lighter draught for a given weight than is usual.

The Henderson Patent Water Ballast Roller for man power. Weighs 300 lbs.; loads up to 600 lbs.; tracks, 24 inches; diameter of drums, 24 inches; counter-balanced handle, stands erect when not in use. Price \$57.50

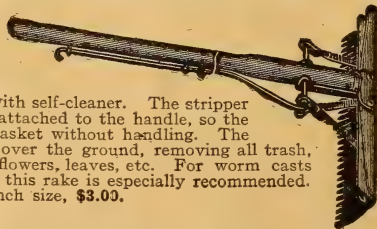


SHEET STEEL WATER WEIGHT ROLLERS

No.	Diameter Inches	Length Inches	Sections	Weight Empty	Water Filled	Price
WB 3	14	20	1	60 lbs.	175 lbs.	\$21.00
WB 5	18	24	1	80 "	310 "	25.00
WB 7	24	24	1	115 "	500 "	30.00

Gem Lawn and Dandelion Rake.

A fine-toothed sheet metal rake with self-cleaner. The stripper being operated by a wire trigger attached to the handle, so the contents can be deposited in a basket without handling. The teeth are curved so they ride over the ground, removing all trash, cut grass, worm casts, dandelion flowers, leaves, etc. For worm casts and dandelions on putting greens this rake is especially recommended. Price, 16-inch size, \$2.50, 24-inch size, \$3.00.



The "Early Bird" Worm Cast Rake.

It is like a rake only in that it has a head which is dragged by a handle.

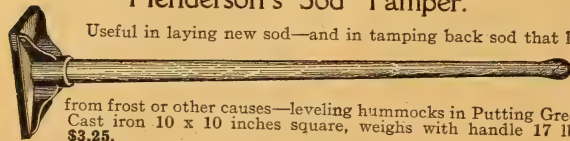
Teeth: Note these flat, blade-like teeth, specially formed out of the broad bottom which holds them always in flat positions of the ground. These teeth are so close together that every worm cast and every bit of debris, (no matter how small)

is picked up and rolled back into the broad back bottom. Width 30 inches. Weight 8 lbs. 4 oz. Price each \$10.00



Henderson's Sod Tamper.

Useful in laying new sod—and in tamping back sod that has heaved



from frost or other causes—leveling hummocks in Putting Greens, etc.—Cast iron 10 x 10 inches square, weighs with handle 17 lbs. Price, \$3.25.

Superior Iron Hand Roller.

These are very superior rollers. The edges are beveled to prevent marking, the faces are ground smooth so they will not pick up and carry lumps of earth, the axles are of steel, the sections fit closely and the handles are of our improved design, will not break, and are counter balanced so they will always keep up from the ground, clean and out of the way. From 300 to 500 lbs. is the weight chosen for a one man power roller for level lawns. Remember that the heavier the roller used on your lawn the finer sward the finer sward you will have.

No.	Diameter	Total Length	Actual Weight	Net Prices
2	15 inches	22 in in 3 sec.	200 lbs.	\$26.00
6	20 "	24 " " 3 "	300 "	38.00
9	24 "	20 " " 2 "	400 "	50.00
12	24 "	30 " " 3 "	500 "	62.00

American Sod Lifter:

A handy tool for cutting under and lifting sod; solid steel blade; 18-inch shank; D-handle. Price, \$2.50.

English Turring Spade.

An imported tool for lifting sod evenly, rapidly and without breaking. \$11.00

Henderson's Sod Perforator.

An invaluable tool to aid in renovating bad spots in lawns, grass plots, putting greens, etc. It is operated like a rammer, the lower surface being provided with spikes which puncture the sod, leaving small holes into which much of the seed or fertilizer drops when broadcasted thus preventing its being blown or washed away. The holes are filled with soil by the first rain, which covers the seed so it can germinate. Price..... \$4.00

Lawn Scarifier

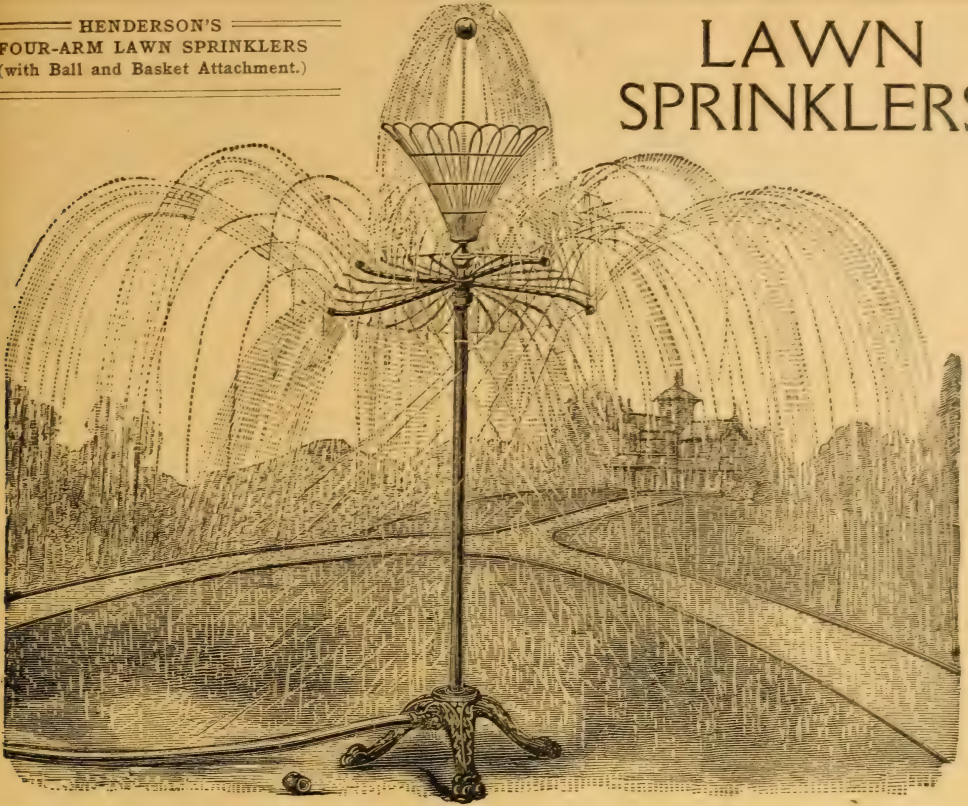
A prong hoe shaped arrangement for renovating lawns and putting greens. Price complete with plate for tamping..... \$3.00



If money is remitted in bills or silver, register the letter; otherwise it is at sender's risk.

HENDERSON'S
FOUR-ARM LAWN SPRINKLERS
(with Ball and Basket Attachment.)

LAWN SPRINKLERS.



HENDERSON'S 4-ARM and 8-ARM LAWN SPRINKLERS.

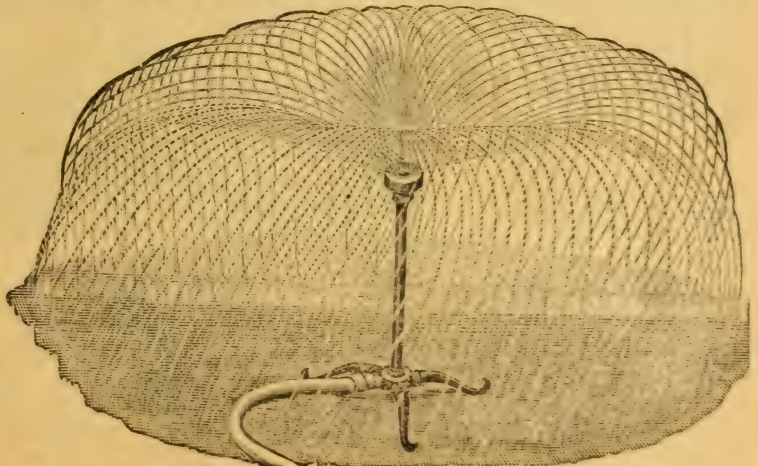
This is the best lawn sprinkler made. It can be attached to hose and placed anywhere on the lawn where it serves the double purpose of a beautiful fountain and of thoroughly saturating the grass or garden. The water is distributed in fine drops over an area of 60 to 100 feet in circumference, according to the water pressure. An ornamental standard, about four feet high, is surmounted with long perforated arms, which revolve, so the beautiful sprays are constantly changing. (See engraving). Prices, 4-arm sprinkler, \$8.00; 8-arm, \$9.00. Ball and Basket Attachment, extra, \$6.00.—This fits on the top of the Henderson sprinkler and the stream of water keeps the silvered ball dancing on its summit up in the air. When the ball falls the basket catches it, and it rolls into the center and is again raised by the water.

THE "SHOWER" LAWN SPRINKLER.

One of the most satisfactory lawn sprinklers we offer. It is very simple—no parts to revolve, squeak, clog, wear or get out of order. It is a round box like affair—about 3 inches in diameter by 1 inch in depth with a turbine arrangement inside which gives the water passing through a swivel causing it to pass through the single opening and be distributed over a circular area 25 feet or more in diameter according to the water pressure. The water descends evenly from center to circumference in the form of fine rain. Price, on stand, \$3.50, P. P. 4 lb.; without stand, to be used as a nozzle, \$1.50, Mail weight 4 lbs.

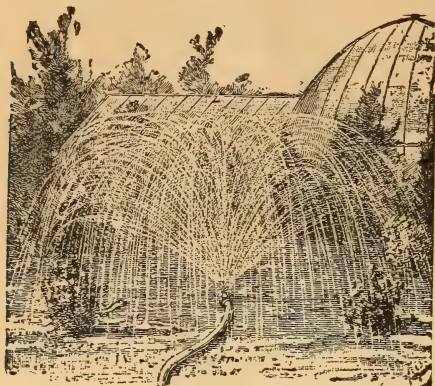


The Ring
Lawn
Sprinkler.



THE SHOWER LAWN SPRINKLER.

The simplest lawn sprinkler made—no revolving parts to wear and get out of order or leak. Easily moved about the lawn—made of polished brass—light, durable and economical. Price, 90c. Mail weight 2 lbs.



WATER WITCH SPRINKLER ON SPUR.

"Universal" Lawn Sprinkler And Fountain.

This combination Lawn Sprinkler and Fountain is very attractive. The nickel-plated arms revolve, distributing the water in rain-like drops over an area of 25 feet or more in diameter according to the water pressure. In addition to this, the central oval spray cover causes some to be thrown up, forming an umbrella-shaped fountain (see engraving).

Price, \$3.50 each, P. P. 5 lbs.



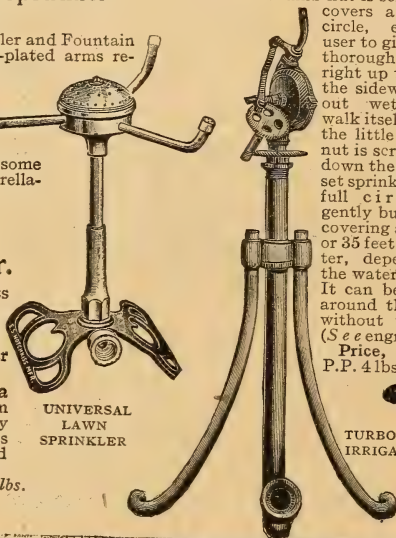
UNIVERSAL LAWN SPRINKLER

The Turbo Irrigator.

This sprinkler, mounted on its tripod, may be placed anywhere and coupled to garden hose. Will water a circle of 50 to 100 feet in diameter, according to the water pressure.

A single stream, broken into a rain of drops and spray is thrown from the nozzle, so that every portion of the ground covered is thoroughly and evenly watered from center to circumference. (See engraving.) Mail weight 10 lbs.

Price, \$20.00.



TURBO IRRIGATOR.

The "Water Witch" Lawn Sprinklers.

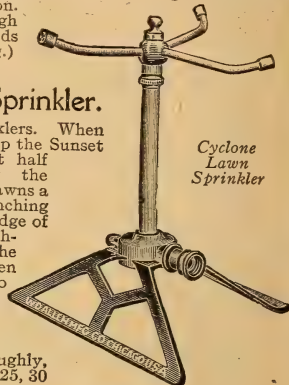
An effective device for sprinkling lawns, gardens or flower beds. The water is divided and deflected by the two lips of the swivel piece, which causes it to revolve rapidly scattering the water in fine drops and evenly over a circular area of 25 to 40 feet diameter. It works more satisfactorily with a very low pressure of water than any sprinkler we know of. (See engraving.)

Price without stand, (i. e., with spur to stick in the ground, 95c. each; (Add extra for Parcel Post; weight 1 lb.).

Price, with stand, \$2.25 each. (Add extra for Parcel Post weight 3 lb.)

"Cyclone" Three-Arm Lawn Sprinkler.

This is a low-priced arm Sprinkler; compactly and strongly made with phosphor-bronze bearing and will cover a space 48 ft. in diameter with suitable pressure of water. The top and arms are brass, sled runner of japanned iron. The water flows freely through an unobstructed channel. It stands 12 inches high. (See engraving.) Price, \$2.25. P. P. 3 lbs.

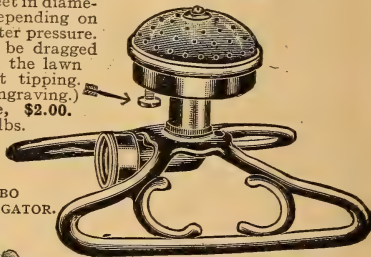


Cyclone Lawn Sprinkler

The Sunset Full Circle and Half Circle Sprinkler.

Does the work of two sprinklers. When the little thumb nut is screwed up the Sunset

covers a perfect half circle, enabling the user to give his lawns a thorough drenching right up to the edge of the sidewalk without wetting the walk itself. When the little thumb nut is screwed down the Sunset sprinkles a full circle, gently but thoroughly, covering an area 25, 30 or 35 feet in diameter, depending on the water pressure. It can be dragged around the lawn without tipping. (See engraving.) Price, \$2.00. P. P. 4 lbs.



THE SUNSET SPRINKLER.



"SIAMESE" ATTACHMENT

Henderson's "Siamese" Lawn Sprinkler Attachment.

By using these several sprinklers can be used at one time.

Providing the pressure and volume of water are sufficient. A three-quarter inch hose and thirty to forty pounds pressure will operate three sprinklers; a forty to fifty pound pressure, four sprinklers; with one inch hose and a good pressure, six sprinklers can be operated satisfactorily. This method of watering is valuable for thoroughly saturating large areas of lawn or garden, distributing the water more evenly and thoroughly than can possibly be done with a hose nozzle. We found "Water Witch" Lawn Sprinkler (with spur to stick in the ground), offered above, the best sprinkler for the purpose. One of these sprinklers and the "Siamese" was applied at the end of every twenty-five foot length hose. Price, "Siamese" Attachment for 3/4 inch hose, \$1.25, P. P. 1 lb.; for 1-inch hose, \$1.50 P. P. 1 lb.

CEDAR PLANT TUBS.

Heavy iron hoops. Drop handles, serving as hooks for carrying poles. Iron legs. Removable perforated bottoms. Painted green outside and brown inside. Painted red, if desired, at an extra cost of 10 per cent.



No.	Outside Diameter	Length of Stave	Price
0	27 inches	24 inches	\$14.00
1	25 "	22 "	13.00
2	23 "	20 "	10.75
3	21 "	18 "	9.00
4	18 "	16 "	7.85
5	16 "	14 "	6.75
6	14 "	12 "	5.25
7	13 "	11 "	4.75
8	12 "	10 "	4.00

Henderson's "BEST PARA" RUBBER HOSE



This is the highest grade of garden hose, being made entirely from New Para Rubber, and will outlast cheap hose three times over. We guarantee it to stand a 300-lb. water pressure, and it will be as resilient in three or four years' time as when new, while cheap hose of that age will be hard and rotten. Every length of Henderson's "Best Para Hose" is fitted

with the new water-tight couplings, without extra charge. (See engraving.) (Hose is furnished only in 25-foot and 50-foot lengths; the size $\frac{1}{2}$ in. in a ratio to the internal diameter of the bore) Prices. $\frac{3}{4}$ -inch bore Para, per 25-foot length, \$5.00; per 50-foot length \$11.50.

STANDARD QUALITY RUBBER HOSE

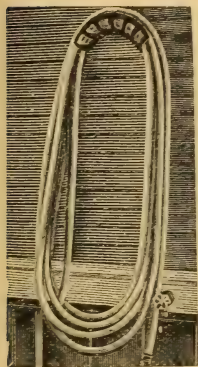
This is a grade that is often sold as the "best." It is a good hose and will stand a 100-lb. pressure. Each length is fitted with the regular couplings without extra charge. $\frac{3}{4}$ -in. Standard, per 25-ft. length, \$5.25; per 50-ft. length, \$10.00.

SIMPLEX HOSE REEL.

A stationary reel to be attached to wall or side of a building or fence in any convenient place. Just the thing for small gardens where a portable reel is in the way and where only 25 to 50 feet of hose is used. The smallest diameter of the arms is 12 inches, and when filled with 50 feet of $\frac{3}{4}$ -inch hose, the outside diameter is about 22 inches. The Simplex reel is shipped "knocked down" with all necessary parts and screws to put together and fasten up. Mail weight, 7 lbs. Price, \$2.00.

ALL IRON HOSE REEL.

The All Iron Hose Reels are constructed entirely of iron, and are indestructible; light in weight, frictionless, and the wheels being high make it easily manipulated; these reels cannot tip over when unreeling and there is no weight of hose to carry on the handle. (See engraving.) No. 10, 21-in. wheels, holds 100 ft. $\frac{3}{4}$ -in. hose.....\$5.75
No. 20, 24 " " " 150 " "6.75
No. 30, 30 " " " 500 " "9.50



"HOLE PROOF" HOSE HANGERS

"Hole Proof" Hose Hangers

"Hole-proof" Hose Hangers drain, dry and protect your hose when in use; preserve it when stored; insure it against holes, cracks and checks; double its life and usefulness. (See engraving.) Carries 100 ft. hose, \$2.00. (Add extra for Parcel Post 6 lbs.)

THE "GRADUATING" SPRAY NOZZLE.

Will throw a coarse or a fine spray or a solid stream. (See engraving.) Price, $\frac{3}{4}$ in., 85c.; 1 in., \$1.25. (Add extra for Parcel Post, weight 1 lb.)

BRASS HOSE NOZZLE.

With stop cock spray hose and stream. (See engraving.) Prices, for $\frac{3}{4}$ in. hose, \$1.50, for 1 in., \$1.85. (Add extra for Parcel Post, weight 1 lb.)

GEM NOZZLE HOLDER.

For watering lawns, flower beds, etc. The hose is held firmly and can be adjusted to any elevation. Price, 30c. (See engraving.) (Add extra for Parcel Post, weight 1 lb.)

WIDE FACE HOSE SPRINKLER.

The holes are small and numerous, so that a copious yet gentle shower is given without washing or packing the soil. (See engraving.) Price, for $\frac{3}{4}$ -in. hose, 3 in. face, \$1.00; 4-in. face, \$1.25 (Add extra for Parcel Post, weight 1 lb.)



CALDWELL'S HOSE STRAP.

The best device for attaching hose couplings. Hose straps for $\frac{1}{2}$ -in. hose, 30c., doz., P. P. 4 oz.; $\frac{3}{4}$ -in. hose, 35c., doz., P. P. $\frac{1}{2}$ -lb.; 1-in. hose, 40c., doz., P. P. 1 lb. Pliers, 40c. P. P. 1 lb.

HOSE REDUCER.

For connecting hose of 1 in. bore with $\frac{3}{4}$ -in. (mailed free,) 50c. (See engraving.)

Watering Pots.

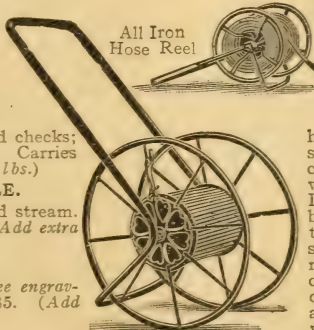
French or Oval Shaped Watering Pots.—Easily carried in narrow places.



6-quart \$6.00;
8-quart \$6.50;
10-quart \$7.00;
12-quart \$7.50.

Regular style, galvanized iron, 6-quart, \$1.00; 8-quart, \$1.25; 10-quart, \$1.45; 12-quart, \$1.65; 16-quart, \$2.00.

Wotherspoons Galvanized Watering Pots. With brass fittings and two brass roses, one fine and one coarse, with each pot, 6-quart, \$5.00; 8-quart, \$5.50; 10-quart, \$6.00; 12-quart, \$6.50, 16-quart, \$7.00.



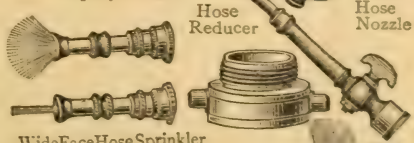
All Iron Hose Reel

BIRD NETTING.

To Protect Fruits, Vegetables, Etc.

What is more exasperating than to anticipate a liberal picking of some fruit to find when you reach the garden that your bird neighbors have been there before you and consumed or destroyed the ripest and choicest berries, grapes or cherries, of which some birds are voraciously fond. Lettuce and peas are often ravaged by birds, even flowers are not immune from their attacks, and they revel among some plants' ripening seeds. All this may be obviated by shutting the birds out with bird netting. This is a good quality cotton netting of 1 inch mesh and comes in 20 foot and 30 foot widths and of any reasonable length. Price, \$2.50 per 100 sq. ft.; P. P. 1 lb.

The "Graduating" Spray Nozzle



Wide Face Hose Sprinkler



Gem Nozzle Holder

Cooper Hose Mender



Brush Axe

Reversible Steel Lawn Rake

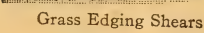
A complete list of Garden Tools and Implements fully illustrated and described will be found in our spring catalogue "Everything for the Garden." It is sent postpaid to any address on application.



Lawn Shears



Half Moon Border Edging Knife



Grass Edging Shears



Grass Hooks English Riveted Back



Gardener's Gloves



Knuckle Saver Grass Hook



Scythe Stones and Rifles



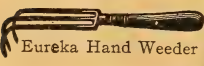
Imported English Riveted-Back Lawn Scythe



"Trowel Shank" Grass Shears



Hedge Shears



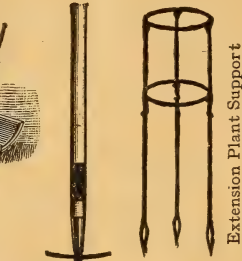
Eureka Hand Weeder



Dandelion Spud

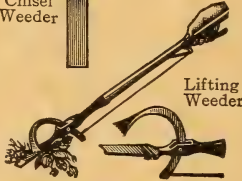


Wood Lawn Rake

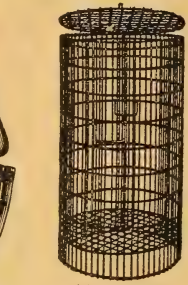


Chisel Weeder

Extension Plant Support



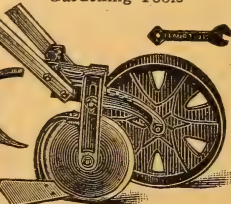
Lifting Weeder



Rubbish Burner



Youth's Set of Gardening Tools



The Planet, Jr. Lawn and Turf Edger

BEST QUALITY HAND TOOLS.

(See illustrations in adjoining column.)

BRUSH AXE. This is an excellent tool for trimming out underbrush, cutting down hedges, etc. Price, handled, \$2.75.

DANDELION AND PLANTAIN SPUD. A handy tool for cutting dandelions, plantain and other weeds out of the lawn. Also useful when out botanizing. Price, 45c. (Add extra for Parcel Post; weight, 1 lb.)

GARDENER'S GLOVES. For protecting the hands, handling thorny plants, etc. Cordovan Horse Hide, per pair, \$2.50. (Add Extra for P. P.; weight, 1 lb.)

Rubber Gardening Gloves. With gauntlets. Men's sizes, \$2.75; Ladies' size, \$2.50. (Add extra for P. P. weight 1 lb.)

GRASS CUTTING SHEARS—Grass Edging or Border Shears. For trimming the grass around the edges of walks, etc. Price, 9-inch blades, \$6.00 or with wheel, \$7.00.

Lawn Shears. For cutting grass under shrubs, fences, etc. Price, with two wheels, 9 inch blades \$8.00.

"Trowel Shank" Grass Shears. Solid steel, of finest quality and temper; 7-inch blades. The raised, trowel-like handles keep the knuckles off the ground and allow smooth cutting, \$1.65. (Add extra for Parcel Post; weight 2 lb.)

GRASS HOOKS—English Riveted Back. Thin sharp blades, strengthened by a riveted back, light and rapidly handled. Small size, 75c; medium size, 85c.; large size, \$1.00.

Knuckle Saver Grass Hook. The handle is raised from the blade, making it possible to cut close without bruising or skinning the knuckles. Price, 85c.

Popular Grass Hook. Low in price but of very good edge holding quality. Price, 50c. each.

HALF MOON BORDER EDGING KNIFE For trimming sod around walks, etc. Price, with handle, \$1.25 each.

HEDGE SHEARS. For both trimming hedges and cutting grass under fences, bushes, etc. The "Notch" at the heel of the blade is for cutting branches.

English Hedge Shears. 8-inch blades \$3.25; with notch \$3.50; 9-in. blades \$3.50; with notch, \$3.75; 10-in. blades, \$3.75; with notch, \$4.00.

IMPORTED ENGLISH RIVETED-BACK LAWN SCYTHE. Light and thin broad blades, with a riveted back. Price, 32 inch, \$3.25; 34 inch, \$3.50; 36 inch, \$3.75; 38 inch, \$4.00.

LAWN RAKES—Reversible Steel Lawn Rake. Heavily tinned steel teeth. The arched teeth for leaves and litter and the opposite side for fine cut grass. Twenty-four teeth closely set in a 21-inch head. Price, \$1.00 ea.

Wood Lawn Rake. Our wood rakes are of superior grade; selected wood; 3 bow. Wood Hay, 12 teeth, \$1.25. ea., Wood Lawn, 24 teeth, \$1.25 ea.

PLANET, JR. LAWN AND TURF EDGER. This very handy and desirable little tool trims the turf around the edges of the flower beds, walks, roads, etc., and is invaluable in giving a finished appearance to the lawn. The revolving cutter does perfect work, either on a curved or straight border, edging accurately at just the correct angle and at the speed of a mile an hour, while the hoe cleans the bottom of walk. The hoe can be removed if desired. The small tooth is for cement and stone walks. Price, complete, \$10.00.

SCYTHE STONES AND RIFLES. American Talacre; round taper ends, 25c. each, \$2.75 doz. "Ohio-Red end," flat stone, 10c. each; \$1.00 doz. Rifles, quadruple emery-coated, 20c. each, \$2.00 doz.

DASCO RUBBISH BURNER.

Small 18 x 28.....	\$5.50
Large 20 x 36.....	7.00

SHEET STEEL RUBBISH BURNER.

Small 16 x 24.....	7.00
Large 24 x 36.....	12.50

WEEDING TOOLS—Eureka Hand Weeder. Our choice of the finger weeders; the prongs, being of solid forged steel, are thin and long, and do good work in loosening soil. Short handle, 50c. each. (Add extra for Parcel Post; weight, 2 lbs.) Long handle, 60c. each.

Chisel Blade Weed Cutter. Long handled so it can be pressed into the soil, cutting off roots or weeds without marring the lawn. Price, \$1.25 ea.

Lifting Weeder. A chisel blade cuts off the weeds; the trigger holds them so they can be pulled out. Price, \$1.25 ea.

YOUTH'S SET OF GARDENING TOOLS. These are of first-class quality; not toys. The set consists of digging fork shovel, hoe, rake, trowel and weeder. Price, \$5.50 per set.



HENDERSON'S "MAN-SIZE"
WATER BARREL TRUCKS
AND ACCESSORIES.

The Barrel, capacity about 50 gallons, is raised from the ground, carried to the place desired, and can be readily disconnected from or attached to the truck while barrel is either full or empty.

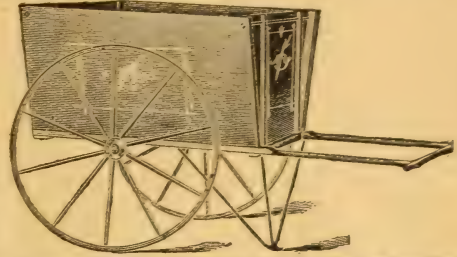
We supply as extra attachments the following: A Box with trunnions and spring catch, making a very superior dumping Hand-cart. A Leaf Rack, very useful for removing leaves and litter. A Force Pump for spraying, etc. (For a Spray Pump we recommend our "Fruitall" offered on this page.)

PRICES OF HENDERSON'S "MAN-SIZE" WATER BARREL TRUCKS AND ACCESSORIES

Water Barrel-Truck, 2 in. tire	18.50	with new 50 gallon barrel	.. \$26. 00	Hand-cart Box Extra	.....\$7 00
Extra 50-gallon barrel, with trunnions on	19.50		.. 27.00	Leaf Rack	.....13 00
			8.50	Extra trunnions, per pair	..... 1.00

Henderson's Lawn and Leaf Hand Cart.

Especially adapted for carrying large quantities of light material, such as cut grass, leaves and litter; the box is deep and flaring—measures at the bottom 28 inches wide by 48 inches long; 10 inches wider at the top; it is 24 inches deep; nicely painted green and vermilion, striped and varnished; 30-inch wheels. Price, \$30.00.



Auto Compressed Air Sprayer.

The standard of all compressed air sprayers. Can be used in every variety of garden work. Will spray five acres of field crops, a limited number of trees, and will handle whitewash, etc., in the Poultry house. Capacity about 4 gallons. Easily carried either by handle or shoulder strap. Made with tank of either brass or galvanized iron, furnished with Auto-pop Nozzle No. 1, with which the spring is instantly controlled, and is automatically self cleaning.



NET PRICES

Auto-spray No. 1 B, Brass tank with Nozzle	.....\$11.00
Auto-spray No. 1 D, Galvanized tank with Nozzle	..... 8.50
Two row attachment for spraying 2 rows at one passing	..... 1.50
Brass Extension Pipes, 2-ft. lengths, each	..... .60
Brass Elbow for spraying under leaves	..... .35
Torch for burning worms' nests	..... 1.20
Brass Strainer for straining solution	..... 1.50

The "Success" Knapsack Sprayer AND BUCKET SPRAYER COMBINED

This valuable Sprayer is used for applying Bordeaux Mixture and other fluid remedies in a mist-like spray, for the treatment, prevention and cure of mildew, black rot, potato blight and kindred diseases; with it a man can spray five to six acres of vines in a day. The working parts are made entirely of brass, and the chemicals will not corrode or rust them. The air chamber keeps up a steady pressure, so a continuous discharge is given. The Pump may be worked with either the right or left hand. The drip cup is just below the air chamber, and is made extra wide, so that any leakage around the plunger is returned into the tank and not allowed to run down the operator's back. An attachment is furnished for under-spraying. This sprayer may be used either as a knapsack or bucket sprayer. Price Complete: Brass Tank, \$28.00; Galvanized Tank, \$22.50.

Henderson's "Fruitall" Spray Pump.

For spraying fruit, ornamental and shade trees, vines, grapes, etc.

It has all working parts of brass, and can be mounted on or removed from barrel or tank by the simple adjustment of two thumb-screws. The pump is easily operated by a single person. The Paddle Agitator is mechanical in its action and much superior to the old method of "return discharge."

Prices (For Barrels and Truck, see above).
Henderson's "Fruitall" Pump only (with Agitator) \$17.00; with barrel, \$24.50.

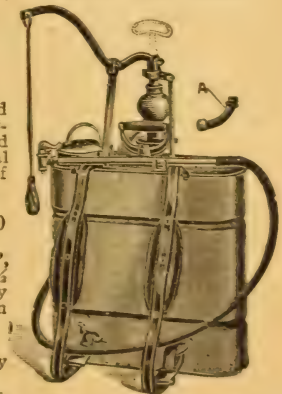
Henderson's "Fruitall" Pump, Outfit "A", single spray, pump with one lead 15 ft., 1/2 in. discharge hose, with "Vermorel" Spray Nozzle and Agitator, \$22.00; or with barrel, \$29.50.

Extras for Tall Tree Spraying.

The following are adaptable for any of our Spray Pumps:

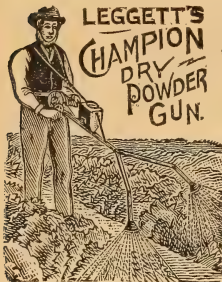
Iron Extension Rods, 8 feet long with shut-off cock at base fitted to attach hose at bottom and nozzle at top, \$2.75 each brass shut-off for 1 lead, \$1.85 extra; for 2 leads, \$2.50 extra.

Spray Hose, 1/2-inch, 20c. per foot. Couplings, extra, 35c. per set.



HENDERSON'S "FRUITALL" SPRAY PUMP.

Leggett's Champion Powder Gun.



Blows all dry powders over plants and into trees for the killing of insects and fungus. It will cover a given area more thoroughly with a cloud of powder, and use less than any other contrivance. With it are supplied nozzles for different uses. With the "V" nozzles, two rows of potatoes are dusted at one time, then there is a hood nozzle for cabbage worm dusting—it keeps the powder from escaping beyond the head; then there is a curved nozzle for under dusting, and telescope nozzles to blow powder into trees. It is the most satisfactory powder dusting apparatus ever invented. It weighs about 5 lbs., is easily carried, and is operated by turning a little crank.

Price, complete..... \$16.00

The Houghton Sprayer

All you need is water pressure and a hose with nozzle. Remove the nozzle and attach the Houghton Sprayer, charged with whatever cartridge you may need, and the sprayer is ready for use. Now you turn on the water and spray any infested tree, shrub or plant.

The Houghton Sprayer consists of a clear, crystal-glass holder for a cartridge, which enables one to watch the cartridge dissolving, when the sprayer is being used. The cartridge is ready made, a uniform solid compound of the elements needed to kill insect pests. After the cartridge has been inserted into the sprayer, and as the water passes through, a constant solution is produced.

Price \$6.00. Mail weight 6 lbs.

CARTRIDGES FOR THE HOUGHTON SPRAYER.

Arsenate of Lead for chewing insects like the potato beetle, and caterpillars, also the gypsy and coddling moths.

Whale-Oil Soap and Arsenate of Lead—combination for general spraying.

Price, 50 cents each.

Mail weight of cartridges 1 pound.

SOLID BRASS COMPRESSED AIR ATOMIZER

Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles, making a perfect under leaf sprayer, and holds 1 quart. Price, \$2.25 (mail weight 3 lbs.)

HENDERSON'S SHEET BRASS VAPORIZING SPRAYER

Sprays fluids in the form of mist. The tapering point to the air-chamber gives great force to the spray. Holds one quart. Price, \$1.65 (mail weight 3 lbs.)

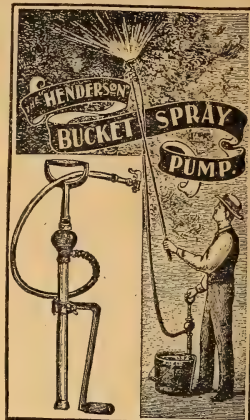
Jumbo Powder Gun.—For applying insect powder; it holds about 4 oz. of powder, which is ejected and distributed by pressure with the thumb. Price, 40c. each. P. P. 1 lb.

Woodson's Double Cone Dry Powder Bellows. Ths double cone bellows can be held in any direction without wasting powder, as it regulates its own supply. It dusts under the leaves as well as on top. Price, \$7.00. P. P. 6 lbs.

Woodson's Single Cone Dry Powder Bellows. Price, large size, \$4.25, small size (for conservatory and house use), \$3.00. P. P. 3 lb.

Norton's Plant Duster.—For dusting potatoes, vines, etc. The guard prevents the powder from escaping beyond the plant being treated. Price, \$1.75 each. P. P. 4 lbs.

The "Henderson" Hand Bucket Pump.



This is the best and most durable portable hand pump in the market. Working parts are made of solid brass with large air chamber, and is double acting, throwing an absolutely continuous stream, either solid or in a fine spray as desired. Very light and easily carried, and works from any bucket or tub. Just the thing for throwing liquid insecticides and fungicides on low trees, shrubs, plants, etc., and by altering the nozzle it can be used for washing carriages, windows, etc. Price, with 3 feet of hose and combination spray and stream nozzle, \$6.75; or with extra 7 ft. section of hose and pole connection for tree spraying, \$8.00. (Mail Weight 10 lbs.)

Asbestos Torch.



Attach the torch to the end of a pole of suitable length, saturate with kerosene oil light and hold under the caterpillars' nests and quickly pass along branches and around the trunk of tree where the insects lodge. The heat will instantly destroy insects and not injure tree.

Price, 45c. each, P. P. 1 lb.

Erado Kills Weeds.

This does away with the old-fashioned laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand, and instead drops weed-killing solution on the root.

It is a simple matter to refill Erado. Remove the handle by a half turn. The solution is then put in the tube and handle is easily replaced. Erado is then ready for work. Push the plunger into the center of the plant. The solution is then automatically fed.

Gasoline or Weed Destroyer may be used. (Mail Weight 2 lbs. Price \$1.75 each.)



The Key Duster Gun and Cartridges.

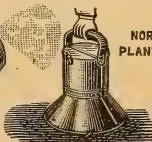
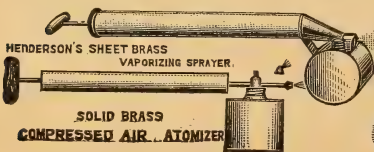
The Easy Way of Ridding Your Garden of Disease and Insect Pests No Mixing—No Messing—No Waste

The Key Duster Gun is a specially devised instrument for using the Key Cartridges. Of simple construction, 36 inches long. Finished in red enamel. No parts to corrode or get out of order.

Price of Gun, \$5.00. Mail weight, 7 lbs.

The Key Cartridges.—Many people prefer to apply insecticides and fungicides in powder form. The Key Cartridges supply the simplest and best method for using the powders. The cartridges are filled with specially prepared insecticide and fungicide materials. Approved by Agricultural Experiment Stations. All in sealed cartridges, ready to apply instantly without waste.

- For Vegetables and Small Fruit. Use Cartridge B. A. 15c. each \$1.80 doz.
 - For Flowers and Shrubs. Use Cartridge O'loro... 15c. each, 1.80 doz.
 - For Fruit and Vegetables nearly ripe. Use Cartridge Hellebore..... 20c. each, 2.40 doz.
 - For Aphid and Many Soft-Bodied Insects. Use Cartridge Kaphis..... 15c. each, 1.80 doz.
 - For Orchard Fruit. Use Cartridge L. A. S. 15c. each, 1.80 doz.
- Mail weight of cartridges 6 ounces each.



Prices of Implements, Fertilizers, Insecticides, etc., are subject to change without notice.

"El-Flo" Home Canning Outfits

For Hotel Sizes Send for Leaflet

Preserve the Surplus Products of Your Garden in Half Usual Time

With an "El-Flo" Outfit canning is a work of pleasure and is accomplished in halftime. A Book of Instructions, with proper recipes for canning vegetables and fruits, furnished free with every canner.

"El-Flo" One-Hole Kitchen Canner, No. 14. Round boiler, 14 inches wide by 12 inches high, with accessories for canning in tin or glass; holds 14 No. 3 (1 lb.) cans or 7 quart jars. May be used on any coal or wood cook stove. Capacity, 80 to 150 cans or 93 quart glass jars per day. Weight, 15 lbs. (See engraving.) Price, \$5.50.

"El-Flo" Two-Hole Kitchen Canner No. 24. Nearly double the capacity of the above. Oblong boiler, 19 x 14 inches by 12 inches high. May be used on any coal or wood cook stove. The No. 24 holds 24 No. 3 cans, or 12 quart glass jars. Capacity, 125 to 200 cans or 160 glass quarts per day; weight, 20 lbs. Price complete, all accessories for canning in tin or glass. \$6.50.



Fruit and Wine Presses.

Strength and pleasing design are combined in the construction of these presses. They have heavy iron cross-heads—not wood. Press screws heavy cold rolled steel with accurate threads. Follower cap and handwheel are cast iron. Frames are heavy and strongly bolted. Troughs are wide and deep. Tubs are capacious. Withstanding great pressure, these presses enable the user to get all the juice from the fruit.

No. 1—Height of legs, 40 in.; tub, 10 in. high, 12 in. diam.; press screw, 1½ x 18¾ in.; weight, each, 72 lbs. Price.....\$17.50

No. 2—Height of legs, 44 in.; tub, 12 in. high, 14 in. diam.; press screw, 1½ x 20½ in.; weight each, 100 lbs. Price.....\$22.00

No. 3—Height of legs, 51 in.; tub, 14 in. high, 17 in. diam.; press screw, 2 x 23½ in.; weight each, 168 lbs. Price.....\$32.50

(These presses can be easily converted into first-class lard presses.)

Fruit, Wine and Jelly Press.

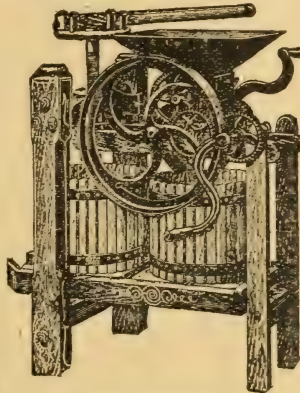
Superior, simple, easily operated, saves all re-handling, as it extracts the juice and ejects the skins and seeds in one operation; it can be used for many purposes, including the making of wine, jellies, fruit butters from grapes, currants, quinces, pineapples, tomato catsup, etc.

Price, family size, capacity 1 qt., \$9.00.



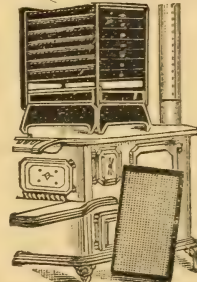
The Red Cross Senior Cider Mill.

The Red Cross Senior is a large, powerful mill, staunchly constructed and of ample capacity for use where there is a great quantity of fruit to be handled. Considering its size and capacity this mill can be operated very easily by hand, and two cranks (on opposite side of the mill) are provided for this purpose. A pulley accommodating a 3½-in. belt is furnished for operation by gasoline engine or electric motor. The Senior is equipped with the Patented Red Cross Self-Aligning Bearings. The press screw and cross-head are uncommonly heavy and great pressure can be exerted.



Prices and size of mill on application.

COOK STOVE FRUIT DRYER OR EVAPORATOR



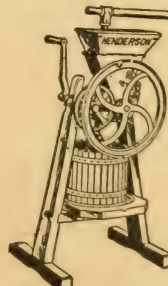
This is the latest, cheapest and best machine of its kind on the market. It can be used on any kind of stove. Its dimensions are: Base, 22x16 inches; height, 26 inches. Containing eight galvanized wire-cloth trays. Weight 25 lbs. No extra fire is required. It is easily set off and on the stove, as needed, whether empty or filled with fruit.

With it you can evaporate all kinds of fruits, berries, and vegetables. Price, \$12.00.

COOK STOVE FRUIT DRYER.

The Improved Force Feed Cider Mill.

The Self-Feed is designed for use where there is no great quantity of fruit to be ground and pressed. This sturdy single tub mill has a very efficient grinding device and will handle all sizes of apples without clogging or being forced. Tapering design gives Self-Feed great strength and stability. Heavy iron cross-head, carrying the working parts, is held in mortises in frame and, in addition to four heavy bolts, receives support from steel bands on inside of legs. Self-Feed has no complicated parts to get out of order, is equipped with large balance wheel, and operates very easily. All wood parts except trough and press lever are made of best clear maple. The troughs are made of poplar, giving off no odor or taint to effect taste of fruit juices. Press lever is turned from straight-grained ash. Grinding parts are heavy iron. Cutting roll slices and tears fruit, feeding it into grinding rolls which crush every particle, opening juice cells and extracting all the juice when tub is placed under the powerful press screw. Shafts and press screw are of cold rolled steel; very strong. Self Feed specifications. Legs, 40 in. high; tub, 14 in. wide, 12 in. high outside; presscrew, 1½x24½ in.; weight each 130 lbs.; capacity 1 to 2 bbls. of cider daily. Price.....\$27.50



weight each 130 lbs.; capacity 1 to 2 bbls. of cider daily. Price.....\$27.50

WOOD PLANT STAKES.

Stakes—Round Green Tapering		Square Green Tapering		Round Dahlia Green, White		Poles Tops	
Length	Doz.	100	Doz.	100	Length	Doz.	100
2 feet	\$0.60	\$4.25	\$0.50	\$3.00	2 feet	\$1.10	\$7.50
3 "	1.10	8.25	.90	7.75	3 "	1.60	11.25
4 "	1.40	12.00	1.25	10.75	4 "	2.25	15.00
5 "	1.85	16.00	1.85	15.75	5 "	2.75	18.75
6 "	3.25	26.00	2.25	18.00	6 "	3.50	22.50

Hardwood Stakes. Eight feet long; suitable for growing pole beans. Price, \$3.00 per doz; \$22.00 per 100.

Chinese Bamboo Stakes. 47-inch length; ½-inch diameter. Price, per 100, \$3.50; per 1,000, \$30.00.

Japanese Bamboo Stakes imported bamboo stakes, very strong and durable.

4 feet—Natural color.	Per 100	\$2.50
6 "	"	6.00
8 "	"	8.00
12 "	"	28.00

*Insecticides and Fungicides marked with an asterisk * cannot be sent by Parcel Post. We will forward them by Express or Freight.

REMEDIES FOR INSECTS AND FUNGUS CONTACT AND STOMACHIC

Insects that Suck the Juices from Plants, Foliage, etc., such as lice, green, black and white aphid or fly, mealy bug, red spider and scale, thrust their proboscis into the leaf or stem, and are not affected by stomach poisons; so they must be destroyed by contact insecticides. Those in powder form kill by closing the breathing pores in the insect's skin; or in fluid form by being absorbed through these pores. The best contact insecticides in powder form are Bug Death, Hellebore, Slug Shot and Tobacco Dust. The best in fluid form are Aphine, Black Leaf 40, Fish (Whale) Oil Soap, Kerosene Miscible Oil and Lemon Oil.

Insects that Eat Plants, Foliage, Vegetables, Fruits Flowers, etc., whether bugs, beetles, worms, caterpillars or slugs, are more quickly and effectually destroyed with a poisonous stomachic insecticide such as Arsenate of Lead, Paris Green or Hellebore. These if applied according to directions are so diluted as to be harmless to vegetation and to animal life. Less poisonous stomachic and contact insecticide are Bug Death, Kerosene Emulsion, Slug Shot, etc.

***APHINE.** Very powerful, soluble in water applied as a spray, wash or dipping solution. It kills aphid, thrip, red spider, slugs, ants, mealy bug, scale. Price, 1 gill, 25c.; $\frac{1}{2}$ pint, 40c.; pint, 65c.; quart, \$1.00; gallon, \$3.00.

ANT-I-CIDE. A powder with a repellent odor, effective against ants and crawling insects that infest lawns. Strew so the surface infested will be thoroughly covered. One pound will dress about 300 square feet. Price, 1-lb. package, 25c. *mail weight, 2 lbs.*; 5-lb. bag, \$1.00, *mail weight 6 lbs.*; 25-lb. drum, \$4.50, *mail weight 30 lbs.*

***ARSENATE OF LEAD—PASTE.** A poison taking the place of Paris Green. Its advantages are that it adheres to foliage, does not readily wash off by rain and does not injure tender foliage. It is white in color and shows just where it has been applied. Price, 1-lb. tin, 45c.; 5-lb. tin, \$2.00, 10-lb. pail, \$3.50; 25-lb. bucket, \$6.50; 50-lb. bucket, \$12.00; 100-lb. keg, \$22.00.

***ARSENATE OF LEAD, POWDERED.** May be used either as a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur, solution or Bordeaux, only half the weight is needed as of the paste form. Price, 1 lb., 75c.; 5 lbs., \$3.50; 10 lbs., \$6.00; 25-lb., \$13.00.

***"BLACK-LEAF 40."** Very effective for sucking insects such as plant lice, red spider, leaf hopper, thrip, etc., sprayed on. Dilute 2 teaspoonfuls to a gallon of water. It also forms a splendid spray for both insects and fungus with Bordeaux. Price, 1-oz. bottle, 25c.; $\frac{1}{2}$ -lb. tin, \$1.00; 2-lb. tin, \$3.25; 10-lb. can, \$13.75.

***BORDEAUX & ARSENATE OF LEAD.** A combination in proper proportions of these standard insecticide and fungicide remedies, killing insects and plant diseases at one spraying and in half the time required to spray on separately. Quantity required, 1 to 2 lbs. in 10 gallons water. Price, 1 lb., 45c.; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$6.50; 50 lbs., \$12.00; 100-lb. keg, \$22.00.

***BORDEAUX—LIQUID.** Ready for use by simply adding 1 part to 50 of water. An indispensable fungicide, curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants. Price, 1 pint, 40c.; 1 quart, 75c.; 1 gallon, \$2.00; 5 gallons, \$8.50.

***BORDEAUX, POWDERED.** Requires 1 to $\frac{1}{2}$ lbs. to 10 gallons of water as fungicide spray. Price, 1 lb. 45c.; 5 lbs. \$2.00; 10 lbs., \$3.50.

***BOROWAX.** A complete protection against tree borers. Use half to one pint to a tree according to size. Price, quart, 35c.; gallon can (boxed), \$1.00; 6 gallons (boxed), \$5.00; half-barrel, \$20.00; barrel, \$35.00.

BUG DEATH. A non-poisonous insect-killing powder, for worms, bugs and caterpillars. Apply with a duster, bellows or powder-gun, at the rate of about 12 lbs. per acre. *Mail weight, $\frac{1}{2}$ lbs., per lb.* Price 20c. per lb.; 3 lbs., 55c.; 5 lbs., 75c.; 12 $\frac{1}{2}$ lbs., \$1.50; 100 lbs., \$10.00 allow 1 lb. extra for packing.

BUG SHAKER for applying above, 50c. *Mail weight 2 lbs.*

***COPPER SOLUTION, AMMONIATED.** A fungicide, for spraying when fruits are nearing maturity, or plants in bloom. One quart is sufficient for 25 gallons of spray. Price, 1 quart, \$1.15; 1 gallon, \$3.50.

***CROW REPELLENT.** Protects corn from rot caused by moisture, also birds and animal pests such as gophers squirrels, etc. Does not hinder germination. Does not clog planter. Price, large can enough for two bushels of seed corn, \$1.50; small can enough for one bushel, \$1.00.

CUT WORM KILLER. It has an enticing odor and attracts worms. One pound is sufficient for 175 plants in hills, or 100 feet when in rows. Price, 1-lb. box, 35c. (*mail weight 2 lbs.*); 5-lb. box, \$1.50 (*mail weight, 6 lbs.*); 25-lb. drum, \$5.00; 100-lb. bag, \$15.00.

FISH OIL SOAP. (Whale Oil Soap.) A wash for insects and eggs on the bark, and for smearing the trunks of trees to prevent worms from crawling up. Price, 35c. per lb. (*mail weight 2 lbs.*); 5 lbs., \$1.50 (*mail weight 6 lbs.*); 10 lbs., \$2.75; 25 lbs., \$5.50.

***FORMALDEHYDE.** A preventive of fungoid diseases as potato scab, smuts, musty corn, damping off of seedlings, club root, etc. The dilution is 1 lb. (1 pint) to 15 or 20 gallons of water and 1 to 2 gallons of this dilution is required for the treatment of a bushel of seed. Price (40 volume %), 1-lb. bottle, \$1.50; 5-lb. bottle, \$6.25; 10-lb. bottle, at \$1.00 per lb.

***GENERAL DISINFECTANT.** Two or three times the strength of carbolic acid. Effective for veterinary use, for household and for cleansing places occupied by cattle, horses, dogs, hogs and poultry. Price, 85c. per quart; \$2.00 per gallon; \$8.25 per 5-gallon can.

HELLEBORE, Powdered White. Less poisonous than Paris Green and Arsenate of Lead, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, 1 ounce in 3 gallons of water. Price, 75c. per lb.; 5 lbs., \$3.50 (*mail weight, $\frac{1}{2}$ lbs. per lb.*).

***KEROSENE MISCIBLE OIL.** Better than Kerosene Emulsion. Is especially valuable against all soft bodied insects. Can be used in place of Nicotine. Contains 80% Kerosene. Dilute 1 part Oil to 16 parts water. Tender plants 1 part to 36 parts water. Price, 1 pint, 45c.; 1 quart, 75c.; 1 gallon, \$2.00; 5 gallons, \$9.00.

***LEMON OIL.** Efficient for all sucking insects and soft scales. Apply as a spray or wash. Price, $\frac{1}{2}$ pint, 30c.; 1 pint, 50c.; quart, 90c.; $\frac{1}{2}$ gallon, \$1.50; 1 gallon, \$2.50.

***LIME SULPHUR SOLUTION.** For scale insects on trees and such fungus bark diseases as can be treated in winter. Diluted and apply with a spray pump while trees are dormant, in fall, winter or spring. Can be used strong during mid-winter, but earlier or later dilute it 1 gallon to 40 to 60 of water. Price, quart can, 60c.; gallon, \$1.40; 5-gallon can, \$4.75; barrel of 50 gallons, \$15.00.

LIME SULPHUR (Powdered). For dormant spraying of fruit and shade trees and bushes against San Jose and Oyster Shell Scale; also for peach leaf curl and brown rot of peaches. Has all the effectiveness of liquid Lime Sulphur, and is much easier to handle. 1 lb. makes $3\frac{1}{2}$ to 5 gallons. Price, 1lb. packages, 40c.; 5 lb., \$1.50; 10 lbs., \$2.50; 25 lbs., \$4.75; 100 lbs., \$15.00; 200 lbs., \$27.00.

NICO-FUME. Suspended and lighted, it is the best method of fumigating conservatories for aphid and all insects that succumb to tobacco. One sheet is sufficient for 2000 cubic feet of space. Price, air-tight cans of two dozen sheets, \$1.25 (*mail weight, 1 lb.*); 1 gross sheets, \$5.00 (*mail weight, 4 lbs.*); 2 gross sheets, \$9.50 (*mail weight, 7 lbs.*).

***NICO FUME LIQUID.** Price, $\frac{1}{4}$ lb. can, 65c.; 1-lb. can, \$2.00; 4 lb. can, \$7.50; 8 lb. can, \$14.50.

***PARIS GREEN.** An insoluble, poisonous powder for potato bugs, codling moth, worms, caterpillars, slugs and bugs. Applied as a powder it should be mixed with plaster or flour, 100 parts to 1 part of Paris Green; in solution mix 1 lb. in 200 to 300 gallons of water. Price, $\frac{1}{2}$ lb., package, 40c.; 1-lb. package, 75c.; 5-lb. package, \$3.50.

***PYROX.** An insecticide and fungicide for eating insects, blights and fungus. Mix with water to apply. Price, 1-lb. bottle, 45c.; 5-lb. crock, \$7.75; 10-lb. crock, \$13.00; 25-lb. crock, \$6.25; 50-lb. keg, \$10.50; 100-lb. keg, \$19.00.

***RAJAH DISINFECTANT.** Deodorizer, cleanser, it will destroy all germs or insect life that breathes through its sides and has no lungs. Non-poisonous to other animals or human beings. It is non-explosive. Mouth sprayer free with each can. Do not use on Plants. Price, $\frac{1}{2}$ pint, 25c.; 1 pint, 50c.; 1 quart, \$1.00; $\frac{1}{2}$ gallon, \$1.75; gallon, \$2.50; 5 gallons, \$10.00.

***SCALECIDE.** The best spray for San Jose scale, cottony maple scale, &c. It is not poisonous, being a preparation of petroleum that mixes with cold water and is ready to apply. Price, 1 quart, 70c.; 1-gallon can, \$1.75; 5-gallon can, \$6.80; 10-gallon can, \$11.70; 30-gallon barrel, \$29.00.

***SCOTCH SOFT COAL SOOT.** Used in drills, it checks the attacks of grubs or cut worms, and drives away insects that hide in the ground and lay their eggs near the roots. Price, 50-lb. bag, \$3.50; 100-lb. bag, \$6.50.

Where the packed mail weight is given the goods may be sent by Parcel Post. If no mail weight is given they can only be sent by express or freight.

INSECTICIDES—Continued.

SLUG SHOT. A non-poisonous powder insecticide. Price, per keg of 125 lbs. net, \$12.50; per barrel of 250 lbs. net \$22.50; 10-lb. package, \$1.20 (mail weight, 1 1/2 lbs. per lb.); 5-lb. package, 65c.; in tin canister with perforated top for applying, 40c. each (mail weight, 2 lbs.).

SULCO-V. B. A combined contact insecticide and fungicide of unusual merit for the control of San Jose and other scale insects. Also used as a sheep, cattle and hog dip, and for poultry lice. Dilutes—1 to 25 and 1 up to 100 according to requirements. Price, pint, 40c.; quart, 75c.; 1/2 gallon, \$1.35; 1 gallon, \$2.50; 5 gallons, \$8.50; 10 gallons, \$15.00; 30 gallons, \$30.00; 50 gallons, \$45.00 not available.

SULPHUR FLOWERS OF. Price, 20c. per lb. (mail weight, 2 lbs.); 10 lbs., \$1.50; 25 lbs. and over, at 10c. per lb. (mail weight, 1 1/2 lbs. per lb.).

TOBACCO DUST, FINE. For green and black aphid, flea-beetles, etc. Price, 15c. per lb. (mail weight, 1 1/2 lbs. per lb.); 5 lbs., 75c.; 10 lbs., \$1.25; 25-lb. bag, \$2.00; 50-lb. bag, \$3.50; 100-lb. bag, \$6.00.

TREE TANGLEFOOT. No crawling insect can pass a band of tree tanglefoot. One pound for 6-foot band 4 inches wide, 1/4 inch thick. Price, 1-lb. can, 50c.; 3-lb. can, \$1.45; 10-lb. can, \$4.50; 20-lb. can, \$8.75. (mail weight, 1 1/2 lbs. per lb.).



Henderson's Fluid Weed Destroyer.

Destroys all weeds, on brick walks, roads etc. It is mixed with water and applied with a watering can or sprinkling cart. If the ground is dry it should first be sprinkled with water, so the Weed Destroyer will not soak away too quickly. Where large weeds and docks are to be destroyed chop off the tops first. Full directions for use with each package.

Quart Can.....	\$0.75	Dilutes with 30 to 40
Gallon Can.....	2.00	parts of water, 1 quart
5-Gallon Keg.....	8.75	makes 7 to 10 gallons.
50-Gallon Barrels.....	50.00	Not Mailable.)

Henderson's Worm-Killing Grass Food

Henderson's Worm-Killing Grass Food not only stimulates the grass on lawns, putting-greens, tennis courts, croquet grounds, etc., into rich green growth but it quickly eliminates the earth or angle worms that burrow in the turf in almost unbelievable quantities, causing the soil to become sticky, sour and loosening it and the roots, so that hot sun and dry weather cause the grass to turn yellow and die out in spots. More lawn troubles are traceable to earth worms than most people realize and we advise all whose grass is not as good as it should be to apply Henderson's Worm-Killing Grass Food at the rate of 1/2 pound to a square yard during rainy weather or else water in thoroughly with a hose. The worms will then almost immediately come to the surface and die. For putting-greens it is invaluable, keeping them free from worm casts, level and true without the trouble and expense of daily brushing and rolling. It is used by many Golf and Country Clubs and on many private grounds in the United States, and all users are gratified with the results. Henderson's Worm-Killing Grass Food is a non-



poisonous powder not injurious to animal or bird life. Its fertilizing properties, while combined into a well-balanced grass food, are not so strong but that it can safely be applied on grass according to directions at any season of the year. Use one pound for each two square yards. Though late in the season when the worms are deep in the ground, the quantity may be increased.

Price of Henderson's Worm-Killing Grass Food (F.O.B.N.Y.)

5-lb. pkg.....	\$0.95	50-lb. bag.....	\$7.00
10-lb. pkg.....	1.75	100-lb. bag.....	12.50
25-lb. pkg.....	3.75	Ton.....	175.00

HENDERSON'S FERTILIZERS. PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BONE FERTILIZERS

Quantity Required. For lawns, pasture and mowing lands, 1/2 to 1 ton per acre. For trees and vines, 2 to 4 quarts each. For field and garden crops, 3/4 to 1 ton broadcasted and harrowed in. For rose beds, pot plants, etc., one part to about fifty of soil.

Raw Bone Meal. This is ground very fine, decomposes rapidly in the soil and is more quickly beneficial.

Price, 5-lb. package, 50c.; 10-lb. package, 85c.; 25-lb. bag, \$1.75; 50-lb. bag, \$3.00; 100-lb. bag, \$5.50.

Blood and Bone. A very high grade fertilizer and superior for immediate as well as for prolonged results; it is of exceptional value for garden crops, root crops, corn, grain, grasses, fruit trees, small fruits, grape vines, and, in fact, all vegetation.

Quantity required. When broadcasted and harrowed in use from 1/2 to 1 ton per acre. For garden crops drill in 300 to 500 lbs. per acre.

Price, per 100-lb. bag, \$5.00; 200-lb. bag, \$9.50.

HENDERSON'S GARDEN FERTILIZER.

Easily applied by sprinkling over the surface of the soil and raking in. Two or three additional applications, at intervals, will produce magnificent results. A 10-lb. package is sufficient for a space 15x20 ft. for one application, or 1000 to 1500 lbs. per acre. Instructions on each package.

Price, 5-lb. package, 50c.; (mail weight 6 lbs.) 10-lb. package 85c.; (mail weight 11 lbs.) 25-lb. bag, \$1.75; 50-lb. bag, \$3.00; 100-lb. bag, \$5.50.

HENDERSON'S HOUSE PLANT FERTILIZER

A safe, clean and high-grade fertilizer, free from disagreeable odor. Detailed directions on each package.

Price, 12-oz. package, sufficient for 25 ordinary-sized plants for one year, 25c. (mail weight 1 lb.)

PURE ANIMAL MANURES

Quantity Required. For garden and field crops, 1 to 2 tons per acre—1/2 before plowing, the balance before harrowing. For top-dressing, use 1 ton per acre in fall or early spring.

Sheep Manure Pulverized. Price, 50-lb. bag, \$2.75; 100-lb. bag, \$5.00; in packages 5 lbs. 50c.; (mail weight 6 lbs.) 10 lbs., 85c. (mail weight 11 lbs.);

Cattle Manure Dried. \$3.50 per 100-lb. bag.

Ashes, Canada Hard Wood. Indispensable for all crops requiring potash; very beneficial for garden and field crops, grass lands and lawns. Apply 1 to 2 tons per acre.

Price, per 100-lb. bag, \$2.50; per bbl. of about 200 lbs., \$4.50.

THE "HENDERSON'S" LAWN ENRICHER

The Henderson Lawn Enricher is clean and odorless. It should be sown broadcast in the spring or fall.

Quantity Required. For a new lawn a 10-pound package is sufficient for an area of 300 square feet or 1,000 to 1,500 pounds per acre, or half quantity for renovating an old lawn. Apply if possible just before rain. If applied during the summer use half the quantity, and water in thoroughly with a hose.

PRICES.—(purchaser paying transit charges.)

5-lb. package (mail wt. 6 1/2 lbs.)	.45	50-lb. pound bag...	2.50
10-lb. package (mail wt. 11 lbs.)	.80	100- " " "	4.50
25-pound bag.....	1.50		

"CLIMAX" LAWN SAND

A non-poisonous, dried chemical, which if evenly distributed 4 ounces per square yard kills weeds by adhering to their broad flat leaves, but falls clear to the roots of grass, and fertilizes the soil.

It is marvelous how quickly the grass improves. Price, 3 1/2 lb. tins 75c., 7 lb. tin \$1.25, 14 lbs., \$2.25, 28 lbs., \$3.75; 56 lbs., \$7.00.

Henderson's
Select List of

GARDEN BOOKS

The Best Works
on Horticulture etc.

HANDBOOK OF PLANTS

By PETER HENDERSON. 654 pages.

Profusely Illustrated. Price, post-paid, \$3.50.

The standard American dictionary of plants, flowering, ornamental, economic, etc., including vegetables and fruits; in fact, a complete work on cultivated plant life. Everything is arranged alphabetically from *Aaron's Beard* to *Zoxyphyllum*; very complete descriptions are given, with full cultural instructions for everything of importance. A full list of popular names and all botanical terms are given; also a glossary of the technical terms used in describing plants. A monthly calendar of operations for the greenhouse and window garden, flower, fruit and kitchen garden, renders it valuable as a book of reference; in short, there is sufficient matter given on all gardening subjects to allow this book to be termed *The American Gardener's Dictionary*.

GARDENING FOR PROFIT

By PETER HENDERSON. 375 pages.

Fully Illustrated. Price, post-paid, \$2.00.

If you wish to grow Vegetables for sale, read this book. The personal success of its author during his long career as a market gardener, and the success of thousands from the time he made his cultural methods known up to the present day show the popular estimation of the value set upon this great work. While written particularly for the Market Gardener and Trucker, yet it is of equal value for large private gardens. It tells the whole story, from selection and treatment, of soils to marketing the produce; also covers the forcing of vegetables, strawberries, etc.

PRACTICAL FLORICULTURE

By PETER HENDERSON. 325 pages.

Fully Illustrated. Price, post-paid, \$2.00.

If you wish to become a Commercial Florist, you should procure this book. We have any number of complimentary letters from people who actually knew nothing of the florists' business, but who followed the instructions in this work and are now "full-fledged florists." Although written especially for the Commercial Florist, it is equally valuable to the amateur and all having conservatories, greenhouses, window gardens, etc.

GARDENING FOR PLEASURE

By PETER HENDERSON. 404 pages.

Fully Illustrated. Price, post-paid, \$2.00.

Was written to meet the wants of the amateur gardener. Its scope therefore embraces directions for the culture and propagation of Flowers, Vegetables and Fruits. It has had a large sale, and has gone through several editions. It exhaustively treats on the Vegetable Garden, Flower Garden, Fruit Garden, Greenhouse, Grapery, Window Garden, Lawn, the Water Garden, etc.

HENDERSON'S BULB CULTURE

By PETER HENDERSON & CO.

Profusely illustrated. Price, post-paid, 60c.

Gives the up-to-date methods of treatment for all kinds of Hardy and Tender Winter, Spring, Summer and Autumn Flowering Bulbs, Tubers, Corms, etc.—Bulbs for Gardens and Lawns—Design Bedding—Mixed Borders—Naturalizing—Situations. Soils and Preparation—Time and Depth to Plant—Treatment after Flowering—Bulbs for the House and Greenhouse—Forcing—Flowering Bulbs in Glasses of Water, etc.—Keeping Dormant Bulbs.

HENDERSON'S

GARDEN GUIDE AND RECORD Price 25c.

It treats concisely about vegetable and flower gardening

and their branches. It contains understandable articles on Vegetable Culture, Flowers from Seeds, Bulb Culture, Lawns, Preparing the Garden Ground, Fertilizers, Insecticides, etc., also many other garden pointers.

It is of convenient pocket size 5 x 8½ inches, containing 64 pages of text including index. Also 12 pages, one for each month for a diary.

HENDERSON'S "PICTURESQUE GARDENS"

By CHARLES HENDERSON

160 pages, 9¼ by 12 inches; 340 photographic illustrations, price, post-paid, "De Luxe" Edition, handsomely bound in cloth, \$2.50; price, post-paid, Popular Edition, heavy levant cover, \$1.25.

This unique book mirrors the charms of the prettiest parks, lawns and gardens of Europe and America. The beauties of all the various styles are reflected in over three hundred magnificent photographic illustrations from nature—many of these views are 5 x 7 inches, some larger few smaller; they are grouped and printed in a most artistic manner, with just enough text matter to describe the view and name the plants, vines, trees and shrubs needed to produce a similar effect or design.

THE CULTURE OF WATER LILIES AND AQUATICS

68 pages. Profusely illustrated. Price 60c.

This new edition gives the latest methods of growing and flowering Nymphaeas, Nelumbiums, Victorias and all other Ornamental Aquatics, both in natural and artificial ponds, pools, tanks, etc.; including suitably situated natural waters—Making Artificial Ponds, etc.—How and When to Plant—Proper Depths—Soil—Wintering Tender Species—Propagation from Seeds and Otherwise—Bogs—Marginal Plants and Planting—Descriptions of Varieties—Aquia Plants.

SPECIAL OFFER OF HENDERSON'S BOOKS.—If ordered at one time, we will supply the full set of eight books offered above, carriage prepaid, for \$12.00. (Separately, they would cost \$13.45. This set of Books forms a Complete Library of the Garden, Greenhouse and Farm.

GENERAL LIST OF BOOKS

ORNAMENTAL PLANTS AND FLOWERS

- Gardening for Pleasure.** By PETER HENDERSON.
Tells how to grow flowers, vegetables and small fruits. (See special description, on this page)..... 2.00
- Handbook of Plants.** By PETER HENDERSON.
(See special description, on this page)..... 3.50
- Manual of Gardening.** By PROF. L. H. BAILEY.
A practical guide to planning, making and caring for home grounds, growing vegetables, flowers, fruits, spraying, etc..... 3.25
- Practical Floriculture.** By PETER HENDERSON.
(See special description, on this page)..... 2.00
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- Johnson's Gardener's Dictionary and Cultural Instructor.** Contains a complete list of known species of plants, with descriptions, cultural and propagation notes. Explains the name of every plant in cultivation, when it was introduced, from

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Ornamental plants and flowers—Continued

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Garden Making. By PROF. BAILEY. Instruction for beginners and for the skilled gardener. Covers the whole subject, laying out and planting small city yards and large suburban grounds, plants, trees, bedding, pruning, vegetables, fruits, etc.....	2.90
The Garden Month by Month. By M. C. SEDGWICK. A book on hardy flowers grouped according to their month of bloom. Concise descriptions, situations and culture. Lavishly illustrated.....	6.75
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