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ROSS BROTHERS

Catalogue 1901

Worcester, Massachusetts.



Our New Store at 90 and 92 Front St.
New England's Greatest Agricultural Tool & Seed House.

Twentieth Century Greeting To Our Customers and Friends.

THE first seed planting time of the Twentieth Century is at hand, and we are pleased to present for your careful reading, this our ANNUAL SEED AND IMPLEMENT CATALOGUE, and with it, wish to thank our customers for past favors. One year ago we made mention in our Catalogue, of the fact that we had outgrown our quarters, and were looking for a new location, and promised our customers before another season, we would have a better place to transact our business, but we did not at that time anticipate any such change as we have made, and we now feel justified in claiming the title of New England's Greatest Agricultural Tool and Seed House. The cuts on front and back cover of this Catalogue show only a small part of the room we occupy, for we are connected in the rear with another block of equal size, and fronting on Bigelow Court, giving us nine floors in all, which contains about one acre of room; and our location is one of the most convenient in the City of Worcester and very easy to find, being directly opposite the Soldiers' Monument, where electric cars, for nearly all the surrounding towns pass. Everything in the line of store fixtures is of the very latest and most convenient pattern, and, with our large stock of choice seeds and implements, we are in a position to serve the trade with the least possible delay.

We wish all our customers could visit us in our new store, and see what an up-to-date seed house really is. It seems hardly credible to us that we could have built up so large a business in so short a time, and we ask you what it means? Poor seeds, high prices, cheap goods, guarantees not fulfilled?

We will leave it to you to decide, but we think not, and now that we are so nicely situated, our endeavor will be to give our customers not only the best, but the very most for their money that we possibly can, and, as in years past, we guarantee every article that leaves our store to be as represented or money refunded. You take no chances when you trade with us, and believing that you will continue with us as you have in the past, we are,

Yours respectfully,

ROSS BROTHERS.

A Few Things of Importance that We Wish Our Customers to Read.

WE WARRANT OUR SEEDS just as far as it is possible for us to do so.

WHAT WE GUARANTEE. That all seeds sold by us shall be as represented; should they prove otherwise, we will re-fill the order gratis, but we cannot guarantee the crop further, as there are so many causes over which we have no control, that, let seeds be ever so fresh, weather and circumstances may cause a total failure, and while we use the greatest care to have all seeds pure and reliable, we do not give any warrant, expressed or implied. If the purchaser does not accept the seed on these terms they must be returned at once, and the money paid for them will be refunded.

C. O. D. ORDERS. Parties ordering goods to be sent C. O. D. must enclose with the order one-third the amount, as a guarantee that they will accept the goods upon arrival. Cash for the full amount must always accompany order for Nursery Stock and Plants.

EXTRA PARTS. Parties sending us broken castings for patterns on repair orders must prepay express charges, as we cannot afford to pay express on old castings.

IT IS NOT OUR DESIRE to use up several pages of this book in offering premiums to induce people to send us their orders. We prefer to make that up in quality.

BAGS USED IN SHIPPING SEED. We formerly charged 25 cents for two bushel bags, and smaller ones in proportion, but hereafter we shall charge 15 cents for two bushel and 10 cents for all other sizes, which may be returned if they have not been used for any other purpose.

HOW TO ORDER. Give your name, town, state, and county, and do not forget the post-office, as that is the most important of all.

TERMS. As there are no means of our ascertaining the

commercial standing of farmers at a distance, we must have cash with the order or some satisfactory bank reference, but the liberal discount we offer for cash will more than pay the customer for sending the money when they order the goods.

HOW TO SEND MONEY. There are a number of safe ways to send money by mail. Either buy an Express or Post-Office Money Order, or send check on your bank. We are not particular how it comes, as long as we receive it. Stamps are always acceptable, and very handy to send on small orders.

ORDER EARLY. You may think it is because we are in a hurry to get your money that we advise ordering early. Not so; but early orders always get the best of attention, the best stock, and the best of everything. As a great many varieties of vegetable seed are short on account of the dry weather last year, late buyers will get left, for the reason that there is not enough seed to supply the demand.

MARKET GARDENERS. Parties wanting ten or more dollars worth of bulk seed will do well to write us for market gardeners' prices, for on such orders, if received early, we can make lower prices than are quoted.

LARGE BUYERS OF IMPLEMENTS. We have endeavored to make our prices within the reach of all, and as low as it is possible to make them; but parties wanting two or more implements will do well to write us before placing their orders, as we make a specialty of furnishing large outfits. We not only have a large assortment, but a large stock to choose from. You do not have to wait for the goods to come from the factory. We shall have in our store and store-house by April 1st more than 25 cars of agricultural implements.

FARMER AGENTS. As we control the sale of a great many of the tools shown in our Catalogue, we want good live agents to sell for us in every town. Write at once for prices.

Do not forget to read our instructions in regard to seeds by mail. We explain it fully, and if you will follow our advice it will save a great many delays.

The Worcester Horticultural Pole Bean

The Largest and Handsomest of the Pole Horticultural Varieties. Large Beans—Large and Beautiful Pods—Thrifty Vines. When Grown Under Favorable Conditions One of the Most Productive Varieties.

THIS variety, of which we were the introducers, is similar in general character to the Common Pole Horticultural, but superior in every way. The beans are quite like that variety in color, but much larger; the pods differ, however, not only in size, being much larger, but also in coloring, being of an intense, brilliant carmine, and when fit for market being by far the handsomest and bringing the highest prices of any variety. Since its introduction we have taken great pains to keep our seed stock pure, and, notwithstanding the claims of some that they have an improved strain, we find by trial that none is in any way superior to ours. Our stock is, however, largely grown in districts devoted to growing beans for seed, and which the past seasons was very dry during the growing period; in consequence the beans have not attained their usual size, and we in common with other dealers have a stock of that nature. We are, however, pleased to state that we have been fortunate in securing a good stock of large bright beans grown in this section.

Previous to this writing and to the time we received our stock of local grown seed, the main part of our Catalogue was printed, and realizing that we had a very large stock of beans which white bright, handsome, and TRUE TO NAME were somewhat under the average size, we decided to reduce our prices to the following very low scale. This local grown stock cost us much more, but it is now too late to change the price, and our customers will be the gainers where we are the losers. All orders will be filled in rotation from this stock as long as it lasts; we shall then fill with other stock not as large but which will probably give under favorable conditions as satisfactory results as the larger; at least that was our experience last year. The idea advanced by some that this variety has "run out" because the beans have been under size for two or three years, is not borne out by this experience. $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 80c., pk. \$1.50. **Buy headquarter's stock and get it at the lowest price.**

Improved Goddard, or Boston Favorite Bean.

OUR customers will, perhaps, remember that two years ago we offered this type of the Goddard. Last year we failed to secure a crop so that it did not appear in our Catalogue. We have to offer this season a limited amount only. Since its introduction the Goddard has always been a popular second-early sort, its hardiness, vigor, large beans, and long, straight, handsome, bright-colored pods making it so, but it has always had the vexing habit of running badly, a trait which prevented its use by some. In the Improved Goddard we have a variety

from which the tendency to produce runners is entirely removed, really making it a great improvement over the old type. A well known gardener of this city, Mr. C. L. Hartshorn, writes: "I have grown the Improved Goddard Bean for four years and consider it a great improvement over the old Goddard or Boston Favorite. It is entirely free from runners, a few days earlier and has better colored pods."

$\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 55c, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.



THE MOST SUCCULENT OF THE LIMAS.



Seibert's Early Lima Pole Bean.

Introduced by D. M. Ferry & Co., whose description of it follows: "The earliest true Lima. This variety was developed by a market gardener who selected the largest green beans from the thinnest and most easily opened pods. Practical value to the market gardener has been the object aimed at in the development of this grand bean, and we believe it to be the very best sort for their use.



Furnishes the largest Green Beans, and is the Most Easily Shelled of any of the Limas.



The vine is very productive and exceptionally hardy and vigorous. It produces pods very early and the beans are of fine quality. The green shelled beans are of immense size but so tender and succulent that they shrink in drying to about the size of the Large White Lima. The best Lima Bean ever offered. In earliness, ease of shelling, size, beauty and quality of the green beans, this new variety is far in advance of all other sorts and must come to be recognized as the best of all for either the garden or market."

1-2 Pt. 10c., Pt. 20c., Qt. 40c., 2 Qts. 70c., 1-2 Pk. \$1.20, Pk. \$2.00.

We DO NOT Deliver Free by Mail Beans, Corn, Peas, but will do so if conditions given on page 25 are complied with.

A Wonderful Pea. THE GRADUS.

A Variety Combining Earliness, Large Size, Productiveness, Quality. * * Without Exception the Greatest Acquisition in this Line Ever Introduced.

WE have yet to hear from any who have grown the Gradus a disparaging word regarding it. In fact, all are extremely enthusiastic in praise of it. Our own opinion is that it exceeds by far in general merit any variety that was ever brought to the attention of the public. In praise of it we could not overrate it. **IT IS SIMPLY PERFECT.** There are many varieties which have various points of merit to recommend them, but the Gradus eclipses them all, combining, as it does, Earliness, Large Size, Superior Quality, and Great Productiveness. Its greatest value lies in the first two mentioned qualities; **Earliness and Large Size**, for an early variety, it being nearly as early as the first early hard peas; following closely after such varieties as the Surprise, Alaska, etc., yet nearly as large as any of the giant podded varieties, like the Telephone, Stratagem and similar sorts, and when combined with these we have Delicious Quality and Immense Productiveness as found in the Gradus, we have a combination of all the points of excellence which go to make the **Perfect Pea**. In habit of growth the vine is thrifty and robust, the foliage large, closely resembling the Telephone in general appearance, though much dwarfier, growing only about $2\frac{1}{2}$ feet in height. The large pods, which are profusely produced for a longer season than most other varieties, contain from six to eight very large peas, which are exceptionally rich flavored, tender and sweet. We recommend it above all others for both the market and home garden. The Gradus seems to be identical with the variety called Prosperity.

$\frac{1}{2}$ pt., 15c.; pint, 25c., qt., 40c.; 2 qts., 70c.; $\frac{1}{2}$ pk., \$1.25; pk., \$2.25.



A NEW PEA.

Gregory's Surprise

This variety was introduced by the veteran seedmen, Jas. J. H. Gregory & Son, whose description we quote. "IT IS THE VERY EARLIEST OF THE WRINKLED VARIETIES—the Station, Eclipse, American Wonder and Nott's Excelsior not excepted. Compared with the early hard sorts it will be found to be decidedly earlier than many of them, including the well-known Alpha and Maud S., while it is as early as the very earliest of them. Vines grow 24 inches high and need no bushing; pods well filled, containing 6 or 7 peas; not as large as the American Wonder, but is a far better cropper and ready for the market days before it.

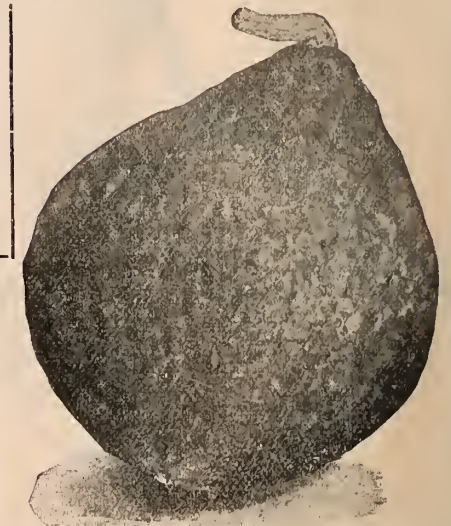
"GREGORY'S SURPRISE is one of Mr. Horsford's creations, he having obtained it by crossing 'Earliest of All' on the 'American Wonder,' and the result is a wrinkled pea as early as the 'Earliest of All' with the quality of the 'Wonder.' If it has the hardiness of its parent, 'Earliest of All,' the knell of the early class of hard peas has struck, for the public well know that they are inferior in quality, and will cease buying them as soon as they can find a wrinkled pea in the market."

$\frac{1}{2}$ pt., 10c.; pt., 20c.; qt., 35c.; 2 qts., 60c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.75.

NEW PEA ADMIRAL DEWEY

A New Variety, Said by the Introducers to be the Largest Podded Pea Ever Offered.

This variety is from one of the oldest firms of pea-growers in the country, whose description is as follows:—"During the season of 1894, while watching the growth of a small sample of a new and most desirable pea sent us from Carlisle, England, we found a few vines entirely different from the main crop; and entirely distinct from any pea we had ever seen. These few vines were carefully removed, and succeeding crops have shown them to be remarkably uniform and distinct. This is without exception the largest podded pea of which we have any knowledge, and when to this is added the heavy cropping and highest quality, it can readily be seen that it stands at the head of its class. Height three and one-half feet, foliage, vine and pod rich, dark green, remarkably healthy and vigorous, producing in abundance pods of largest size, frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender and first-class flavor, seed green, wrinkled. Undoubtedly the best of all the class of long vine, large podded peas." Pkt. 10c., $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 40c., 2 qts. 70c., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.



A NEW SQUASH The Golden Bronze.

Introduced by Jas. H. Gregory & Son, whose description follows—

"A cross, some four years ago of the Bay State and Boston Marrow. In form the same as the last named, with stem and blossom end precisely like that variety, also having that peculiar wrinkled appearance of the skin like the Boston Marrow. Size averaging from eight to ten pounds; color, a dark, greyish green, with bronze on upper surface when ripe; flesh, an exceedingly bright, golden yellow; fine grained, very sweet, and of delicious flavor. Early in maturing, a good keeper and yielder. Squashes of very uniform size and appearance. As a squash, combining the qualities desired for the table and pies, this has no superior. Specimens grown in 1897 were kept until June, 1898." Pkt. 5c., oz. 10c.; 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.10.

ONIONS. Globe Shaped Varieties.

THE MOST PRODUCTIVE.—THE BEST KEEPERS.—THE HANDSOMEST.—THE QUICKEST TO SELL.—THE MONEY MAKERS.

THE FACT that all of the larger seed-houses are giving more attention to these varieties bears out the claims that we have made for several years that the **Globe-Shaped Onions are the Most Profitable to Grow.** Onion growers who have once tried them have been convinced that this is not a matter of opinion or theory but an ACTUAL FACT, and have in consequence insisted that the seed which they wished to purchase should be of this kind. This has compelled all progressive seedmen to catalogue and offer to their customers seed of the true Globe-Shaped Onions, but has not led all of them to the right source from which to secure reliable seed. That there is a vast difference between the results obtained from the use of eastern and western grown stocks all careful and candid observers will admit, and, while we are not prepared to say here that seed which will produce crops of uniformly globe-shaped onions (especially the Yellow Globe Danvers) cannot be grown in California, we can truthfully say, after years of careful observation, that we have yet to see a crop grown from western seed that could favorably compare with the many grown from our Selected Eastern Grown Seed.

As we have said in previous catalogues, we give especial attention to this branch of our business, personally selecting in the field much of the stock from which our seed is grown, and being in close touch with the growers of the balance, have to offer seed of the following varieties, which **cannot be surpassed, if equalled.** Of more weight than anything we can say, we consider the opinions expressed in the letters following, from two of the oldest growers in the Connecticut Valley; the father of Mr. L. C. Warner, the writer of one, being the pioneer grower in Sunderland, Mass., and Mr. H. C. Comins, the writer of the other, the first grower in Hadley, Mass.

NORTH HADLEY, Jan. 12th, 1900.

ROSS BROTHERS, Worcester, Mass.:

I have been a grower of onions for more than twenty-five years, and have used the seed grown by many different parties. For the last few years my son, W. H. Comins, who now conducts the farm, has used seed purchased of you with marked success. That grown by you especially has shown marked superiority the past season in yield, shape of onion, color and quality, over that grown by three other parties on the same field, with the same fertilization and cultivation. So marked was the contrast as to be noticeable to all who saw the field of two acres. The crop ripened early, with no scullions or thick-necked onions, which was so universal with the crop the past season. There is probably more than a thousand acres raised in the Connecticut Valley in Hampshire and Franklin Counties, and wherever the seed purchased of you was used, satisfactory and in many instances superior results have been obtained. We tried a small quantity of the Australian Brown Onion Seed sold by you, with only partial success, the seed being smaller, the drill sowing the same number of lbs. per acre the onions were thicker and consequently smaller, but of very excellent quality, coming early, with every indication of being good keepers, although the yield was smaller than of other kinds. The onions selected for seed grow on the part of the field grown from your own seed were perfect in shape, color and keeping qualities, and from which first-class seed can reasonably be expected.

Very truly yours,

H. C. COMINS.

SUNDERLAND, Jan. 6, 1900.

ROSS BROS., Worcester, Mass.:

Onions have been raised on our farm for the last forty years or more, my father, Levi P. Warner, being the first man to raise them in Sunderland. During that time we have tried a good many kinds of onion seed, but think your "Best Yellow Globe Danvers Seed" fully as good as any to be found in the market. The "Special Seed", grown from carefully selected onions, used in part last year, was ahead of anything we have ever had. Your agent used great care in selecting onions for that purpose here last year, and we expect the best results from the seed thus obtained.

Yours, &c.,

L. C. WARNER.

Yellow Globe Danvers.

The leading variety. Our unsurpassed strain. Grown in Connecticut and Rhode Island.

Pkt. 5c., 1/2 oz. 12c., oz. 20c., 2 ozs. 35c., 1/4 lb. 50c., lb. \$1.50.

Southport Red Globe.

The handsomest of all onions. True globe shaped. Seed New England grown.

Pkt. 5c., 1/2 oz. 12c., oz. 20c., 2 ozs. 35c., 1/4 lb. 50c., lb. \$1.50.

Southport White Globe.

The best of all white onions, bringing higher price in most markets than any other.

Pkt. 5c., 1/2 oz. 15c., oz. 25c., 2 ozs. 40c., 1/4 lb. 75c., lb. \$2.50.

Southport Yellow Globe.

Similar to the Yellow Globe Danvers but a trifle deeper in shape. Seed New England grown.

Pkt. 5c., 1/2 oz. 12c., oz. 20c., 2 ozs. 35c., 1/4 lb. 50c., lb. \$1.50.

Special Prices to Large Buyers. See also page 34.

Early Red Globe Danvers.

Although not like the preceding varieties in shape, being a thick flat rather than round onion, it, however, so nearly approaches them and is such a superior variety that we deem it appropriate to place here in connection with the Globe-Shaped Onions. It is much earlier than the Southport Red or the Red Wetherfield, of excellent color, good marketable size, and as sure to bottom as a Winstedt Cabbage is to make a head. It deserves to be more generally planted.

Pkt. 5c., 1/2 oz. 10c., oz. 20c., 2 ozs. 35c., 1/4 lb. 50c., lb. \$2.00.

While we could fill pages

seed as any that we could possibly get. We, therefore, let them appear on this year wishing, however, to impress upon all that we can suggest something else which would be even better evidence than the letters referred to—that is—a trial of our seed. It has convinced many that the seed was what we represented it to be—the best.



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1894
BY ARLIN VIEL

The Economy Which Leads to Buying the Cheapest Onion Seed is Really Great Extravagance. The Best is the Cheapest.

The Eureka Ensilage Corn. The Best in Cultivation.



The following are a few of the many letters which we have received testifying to the excellence of this variety. The above illustration is a photograph of a field grown by Mr. Flagg, of Boylston, Mass., who has used the Eureka for many years. What his opinion of it is, his letter shows.

Boylston Centre, Mass., Jan. 18, 1901.

Ross Bros. :

Dear Sirs.:—The Eureka Ensilage Corn purchased of you last season gave as good satisfaction as ever. After planting it for the past fifteen years I can safely say there is nothing that can compare with it;—it grows from 14 to 18 feet high, and ears very heavy, averaging from 25 to 35 tons per acre. Any one wishing a large crop, and a feed that will produce the most milk, will do well to plant it. Of all the different kinds of corn for silos, the Eureka takes the lead. The ears are just in milk at time of harvest and the stalks are rich and juicy. You can save me four bushels of seed for this season, 1901.

Yours truly,

M. FLAGG.

Mr. Healey, proprietor of Echo Farm, No. Woodstock, Conn., under date of Sept. 3rd, 1900, writes: "Our Eureka silage corn has now reached 17 1-2 feet; the whole field will average 16 1-2 feet. It is a sight that no one this way ever saw before. Planted May 23rd."

Holmes Bros., of Concord, Mass., write us as follows:

"We would like to place our order for five (5) bushels of your Eureka Ensilage Corn, to be delivered any time before planting time. The corn raised from your seed last season was a great success, notwithstanding the extreme drought; we had corn planted the last week in June grow to be an average height of 12 feet and yield from 20 to 30 tons per acre. The ground was ploughed as soon as we had got the hay off, June 13, and no manure was used. The corn was planted with a "King of the Cornfield" planter, with less than 500 lbs. of Darling's (10% potash) Fertilizer, and for lack of time we only cultivated once; no hand-hoeing. We are satisfied this is a great corn for silage, and think that with favorable conditions 40 tons per acre can be raised."

Mr. Albert B. McLain, Goffstown, N. H., writes Aug. 6th.

"Your Eureka Corn surpasses by far any ensilage corn I ever raised. It looks fifty per cent. better than any I now have."

PRICE: Pk., 60c.; bushel, \$2.00; 3 bushels, \$5.00.
No charge for bags. See also page 31.



If you do not buy directly of us, be sure and see that bags are marked: Eureka Ensilage Corn, from Ross Bros. It is not the "real thing" unless so marked.

The Best Costs a Little More than the Good. ❁ But the Best is Always the Cheapest in the End.

THE GREEN MOUNTAIN SQUASH.

This sterling novelty originated in Northern Vermont and we think it one of the best winter squashes of recent introduction. Although somewhat like the Hubbard, this grand variety differs materially from that old and popular sort in being superior in point of size as well as in sweetness and in color of flesh. The fruit is uniformly round, symmetrical and larger than the Hubbard, and has a beautiful netting of darker green, instead of the wartiness of that variety. The rind is thin but hard, and the flesh very deep orange red, without any of the objectionable green tinge near the rind, so common in the best winter sorts. It cooks very quickly and evenly, and is the best of all squashes for pies. The vine is hardy, early and certain to mature the large crop it produces.

Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, 1b. 75c

THE WARREN SQUASH.

THE BEST OF THE TURBAN-SHAPED VARIETIES.

This variety was discovered a few years ago in a field of Essex Hybrid, three squashes being found on one vine which, while having the general form of that variety, were yet quite distinct from the rest, in that they had rough, warty and thicker shells, and were of richer color. The seeds of this variety were planted and the type fixed. It became a popular sort at once and is now grown extensively for Boston markets. The wartiness, thickness and hardness of the shell, and the richer, deeper color are not the only improvement, for the quality is decidedly better.

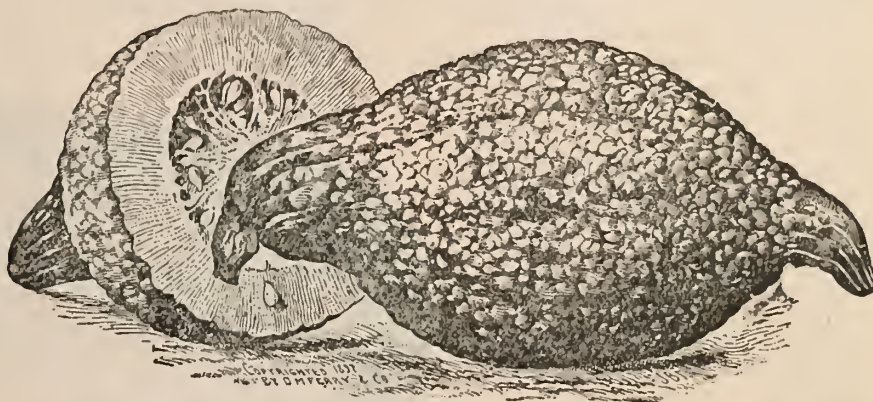
Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, 1b. 60c.

NEW SQUASH.

The Golden Hubbard.

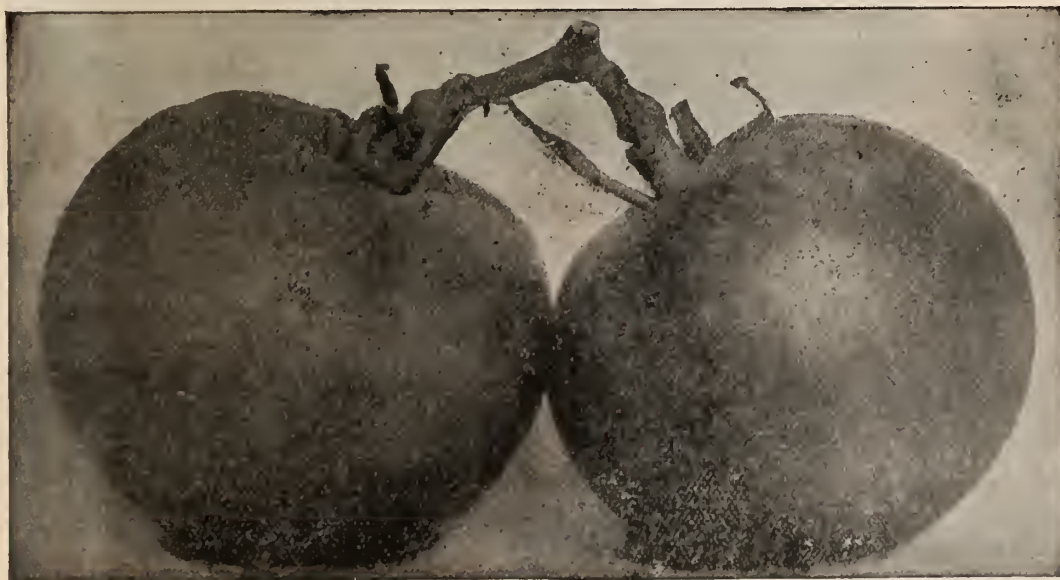
Another year's trial of the Golden Hubbard verifies our opinion, formed at our first trial of it, that it is a decided acquisition to the list of squashes in general cultivation. It is a very distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange red instead of the dark olive green of the old Hubbard, while the flesh, which is thick, is a little deeper colored, of fully as good quality, fine grained and dry.

Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, 1b. 90c.



NEW TOMATO. THE EARLY BIRD.

Claimed by the Introducers to Be the Earliest Tomato in the World.



The claims of the introducers (a well known seed firm in Pennsylvania), though somewhat extravagant and something of the same old story often told of other varieties, seems, however, to be in a great measure borne out by the many testimonial's which they have received from those who have tried it.

Our observations have convinced us that it is without doubt a very early variety. As the above photographic illustration shows, it is of excellent form; it is also smooth, very firm and solid, of fair size, and in color a beautiful bright pink. The vine is thrifty and wonderfully productive. It will be a worthy rival of the Atlantic Prize in earliness, and will without doubt displace it to a considerable extent on account of its other superior qualities. Our stock is from the introducers.

Pkt., 10c.; ½ oz., 20c.; oz., 30c., 2 ozs., 50c.; ¼ lb., 85c.

THE IMPERIAL TOMATO.

One of the Most Productive Varieties in Cultivation. . . .

THE IMPERIAL was originated by a market gardener, a large grower of tomatoes, who said of it at its introduction: "My experience with it is that it is the earliest, most solid, and most productive, perfectly smooth tomato on the market. It ripens evenly, is the best flavored and more than twice as productive as any other known variety. In 1895, with only common field culture, I grew 7000 bushels of ripe, selected New Imperials from less than 4500 plants, or one and one-half bushels to a plant on an average; this season I picked from a single plant three pecks of ripe Imperials, and this was at the fifth or sixth picking, and I left more than three pecks of green ones on the plant. It is the handsomest tomato grown; I always get first premium at the fairs. Any person who wants the Best Tomato will buy the Imperial."

A reliable western seedman after a trial of it says: "In productiveness it is a wonder, second to none either early or late. Vines continued to grow and produce wonderfully until killed by the frost, and then there was more green fruit than most varieties bear in a whole season. Wherever a market demands a purple tomato the IMPERIAL is the one for the market gardener to plant, even to his whole ground. It's a good one. It ripens from two to three weeks earlier than the Dwarf Champion, and will produce more fruit of better color, larger size and far better quality before a single specimen of Dwarf Champion is ripe than the latter will produce in a whole season."

We consider the opinion of this seedman a great recommendation of this wonderfully productive tomato, as it was an impartial one, he at the time not being especially interested in the sale of the seed. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; 2 ozs., 40c.; ¼ lb., 75c.

We Intend to always have our Descriptions Fair and Accurate but invite criticism.

If Your Experience Leads you to form a Different Opinion, WE WOULD LIKE TO KNOW IT.

POTATOES!

CHOICE NORTHERN GROWN SEED.

Progressive Farmers Change Seed Often—
And Make Money. ❁ ❁ ❁ ❁

IN the following list we have placed only those of the older varieties, which are really the most profitable to grow, and are the most popular with our customers. Of the newer varieties we list those which have been sufficiently used to prove that they are really decided acquisitions. We have also been obliged to leave out a few of both the older and newer varieties, owing to our inability to secure sufficient stock of them which was of the quality we desired to sell. The crop of seed potatoes, and in fact, of all potatoes in Maine, was much smaller than was at first supposed. Prices, therefore, are much higher than in the early fall, and at this date (January 1), are steadily advancing. We will maintain these prices through the season, if possible, but reserve the right to change them without notice.

The Cambridge Russet. This new and distinct potato is one of the handsomest in cultivation, far more attractive in appearance than the Freeman, and also one of the finest eating varieties ever placed on the table. In shape, round to oblong, color light russet brown, covered with a fine vein-work, very smooth to the touch, and because of its general fine appearance, will bring in any market a higher price than most other favorites. They grow very uniform in size, large, but no over large ones, and absolutely no hollow ones. Produce but few small tubers. As a yielder it excels most other sorts. A very large grower said of this last year.

The Russets are more productive than any other potato, early or late. Planted under similar conditions they have out-yielded all the standard sorts and all the novelties with which they have been tested. They ripen with the other late sorts, grow a large, rank, dark, rich green vine, and have proven absolutely blight and drought proof. When other varieties in the same neighborhood were dying down with blight and drought, the Russets maintained their brilliant green till October and then ripened as they should. Pk. 50c, bush. \$1.60, bbl. \$4.00.

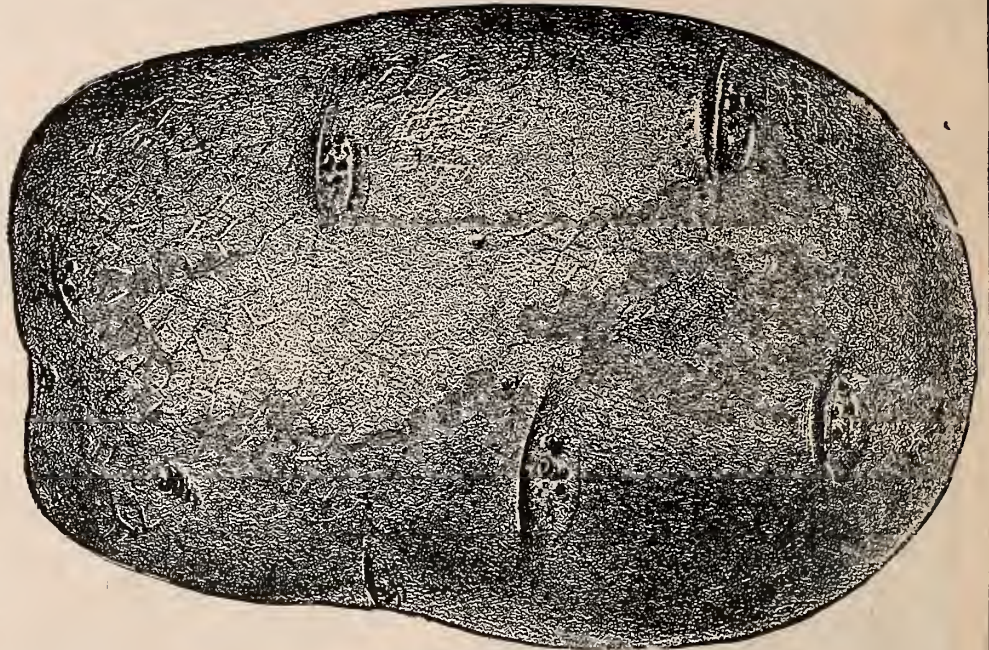
New Early Thoroughbred. A productive early variety, matures with the Rose, in appearance resembles it, produces but few small tubers; is of extra quality. Vines are exceptionally hardy. Pk. 40c, bush. \$1.50, bbl. \$3.75.

New Queen. Very closely resembles the Beauty of Hebron, but is considerably earlier. A grand yielder, of extra quality; a very popular sort, and deservedly so. Wherever the old Early Hebron made a good record when first grown, there the New Queen will give the best satisfaction. Pk. 40c, bush. \$1.40, bbl. \$3.50.

Beauty of Hebron. This well known Standard variety continues to be very popular. Skin white, slightly flushed at the eye. Pk. 35c, bush. \$1.35, bbl. \$3.25.

Clark's No. 1. Thought by some to be earlier and more productive than the Rose; similar in appearance. Pk. 40c, bush. \$1.40, bbl. \$3.50.

The Bovee. An extra early variety, claimed by the introducers to have out-yielded all other early sorts. Closely resembles the Queen in shape and color; of good size, producing but few small tubers, and of best quality. All reports seem to bear out the introducers' claim of large yieldings, when planted on strong soil. Pk. 40c, bush. \$1.50, bbl. \$3.75.



THE CAMBRIDGE RUSSET.

Early Six Weeks. A very early variety, closely resembling the Early Ohio; of very rapid growth and claimed by many to be fit for use in six weeks from planting. A fair yielder and of good quality. Succeeds best on moist land. Pk. 40c, bush. \$1.50, bbl. \$3.75.

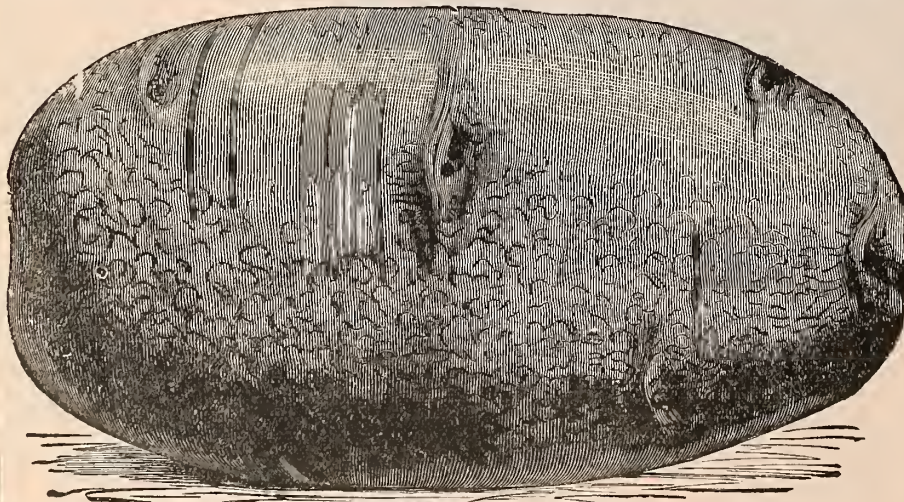
Early Rose. This standard variety needs no description; it is sufficient to say that most new early varieties are compared with this in earliness and quality. Pk. 40c, bush. \$1.40, bbl. \$3.50.

Early Norther. Very similar to its parent, the Early Rose, and from all reports at hand, it has greatly out-yielded that old popular variety, having yielded, with ordinary culture, as high as 150 bushels from one barrel planted, and in New England several fields have yielded at the rate of 400 bushels per acre. They have given first class satisfaction on Long Island and in New Jersey, or wherever they have been tested by truckers. A trifle earlier than the early Rose, and more uniform in size and shape. Pk. 40c, bush. \$1.40, bbl. \$3.50.

Early Fortune. A medium early variety, for which there seems to be an increasing demand. In form and color it resembles the Rose, in quality, surpasses it. The introducer says, "It is the earliest potato in the world, and I have tested everything. The quality, shape and color is of the best. It is going to lead everything." From other reports we conclude that it certainly is very early, handsome and a yielder above the average. Pk. 40c, bush. \$1.50, bbl. \$3.75.

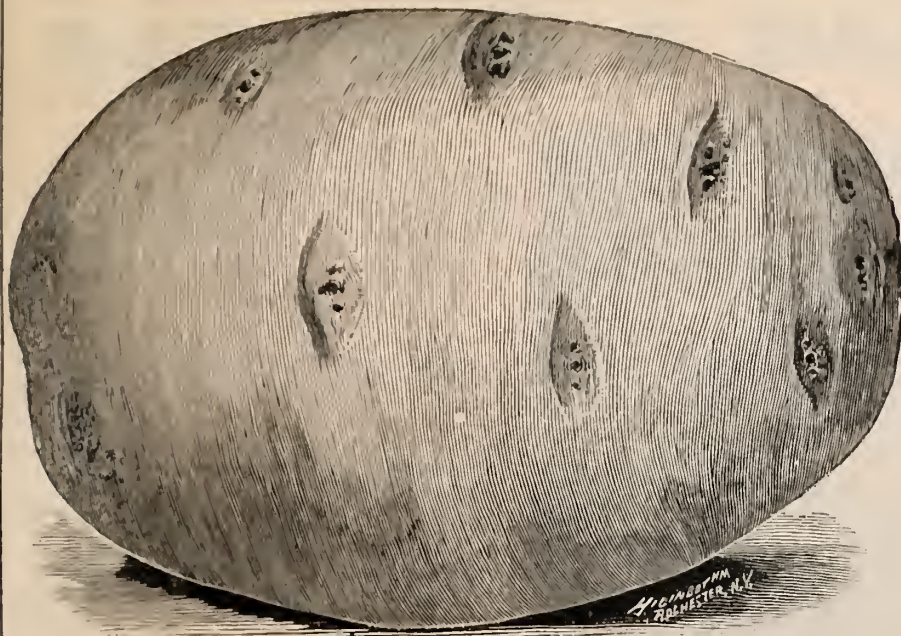
Rural New Yorker No. 2. This second early sort originated on the experimental grounds of the Rural New Yorker. Very large and smooth, in form oblong inclined to round; skin in flesh white, of superior quality. Pk. 40c, bush. \$1.40, bbl. \$3.50.

Carman No. 1. Originated by Mr. Elbert S. Carman, editor of the Rural New Yorker. Has been very popular wherever grown. Shape round or globular, skin white, shallow eyes, not inclined to rot in field or cellar, of excellent quality. Late in ripening, but yields large crops of fine marketable potatoes. Pk. 40c, bush. \$1.40, bbl. \$3.50.



EARLY NORTHER

All Planters of Potatoes Should Read Pages 71-76 Regarding Sprayers, Insecticides and Directions for Their Use.



CARMAN No. 3.








Carman No. 3. Also originated by Mr. Carman, who says of it:

"First, it is the handsomest round white potato ever produced, second, it will outyield any potato of its class; third, practically every potato is of merchantable size; fourth, its table qualities are up to the highest standard." It has yielded over six hundred bushels per acre, and in one instance twenty-two acres have produced 7500 bushels. The vines grow very large and vigorous, rich dark green in color and are not troubled by blight or bugs, as are a good many varieties. Pk. 40c, bush. \$1.40, bbl. \$3.50.






White Elephant, or Late Beauty of Hebron. An old standard variety, identical in appearance with the Early Hebron, but later, a good yielder and fine cooker. Has been a general favorite. Pk. 35c, bush. \$1.35, bbl. \$3.25.

Green Mountain. Another late variety for which the demand seems to increase. Skin white and fair, form flat oval, very smooth and handsome, of fine quality, and often brings higher price in markets where well known. Robust, vigorous grower, with large healthy foliage. Pk. 40c, bush. \$1.40, bbl. \$3.50.

Large Buyers should write us for   
Special Prices.

Large Planters should read carefully what we say on page 54 about       

Potato Planters.

All who plant Potatoes should read what we say on pages 71 and 76 about     

Sprayers, Powder Guns, Insecticides,

And directions for their use.

NEW MUSK MELON.--Petoskey or Paul Rose.

THIS Excellent melon is a cross of the Osage with the Netted Gem, and combines the sweetness of the former, with the general appearance of the Gem.

It originated with a large and very successful melon grower, who claims that he realized twice as much from an acre of this melon as from any other sort. In shape it is oval, about five inches in diameter, and has the fine netting of the Netted Gem or Rocky Ford. The flesh is firm, very thick, of a rich orange red similar to that of the Osage, but even sweeter and finer flavored than that excellent variety, and is pronounced by all who have used it, to be the most uniformly good melon of any in cultivation.

It is seldom that a melon combines the superb quality of this variety with the necessary features requisite in a good melon for shipping. The Paul Rose, however, surpasses all others as a shipper and long keeper, owing to its thick flesh, unusually small seed cavity and very tough, though thin rind, which make it very firm. We know of no variety which equals it as a market or shipping melon, nor of any which surpasses it as a home garden. Pkt. 5c, oz. 15c, 2 oz. 25c, 1/4 lb. 35c, lb. \$1.20.

A New Cucumber.--THE EMERALD.

The introducers say of it: "The Emerald retains every good point in the best strains of White Spine and, in addition, possesses that rich, dark green color which has been so long sought for, but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention of everyone interested. The fruit sets early, and is long, straight and handsome. As a slicer the flesh is peculiarly crisp and tender, and it also makes an excellent pickle." Pkt. 5c, oz. 15c.



NEW MILLET. The Japanese Barnyard Grass.

✦ PANICUM CRUS GALLI. ✦

THE DEMAND for seed of this New Millet, last season, greatly exceeded our expectation, showing that the public had quickly learned its value, and reports being very favorable, we predict an increased use of it the coming season. Prof. Brooks, of the Massachusetts Agricultural College, imported this Millet from Japan. As a green forage crop it at once proved to be a decided acquisition, and as far as we know, where used for ensilage, it has proven very satisfactory. When cured, the hay or straw chopped, moistened or sprinkled with meal, is readily eaten by cattle and horses. The seed is claimed to be equal in value to corn as a milk producer, and to be an excellent food for poultry. It is of very rank growth, from six to seven feet high, with much larger leaves than the Golden or German Millet, and a far heavier cropper. Like all coarse growing plants, it seems to need abundant fertilization. When given this on good soil the yield is simply immense. We recommend it to all growers of green fodder crops, confident that they will find it of great value. We had hoped to be able to offer it at a reduced price from last year, but while being an abundant seeder, the great demand for the seed keeps the price up. Our seed is true, we having obtained it of Prof. Brooks. We wish to caution all who are not familiar with the appearance of the seed against purchasing seed which came from unknown sources, as we learn that there was sold last season considerable seed of other varieties purporting to be the New Japanese, greatly disappointing some and leading them to think it was of no especial value. Sow from 15th of May to July 1st; broadcast 2 to 25 pounds per acre; in drills 12 to 15 pounds. Price per pound 12c, by mail, postpaid, 20c; 3 pounds by mail, postpaid, 50c; 15 pounds or over, by express, 10c per pound.

A Trial of New Varieties Often Leads to a Largely Increased Planting of Them the Following Season. **YOUR OWN** Trial of Them is **WORTH MUCH MORE TO YOU** Than That of Anyone Else.

SWEET PEAS.**NOVELTIES.**

BURPEE'S Bush Sweet Pea.

The First of an Entirely New and
Distinct Race.

The introducers say of this:

"Burpee's Bush Sweet Pea grows in perfect bush form, as shown in the illustration. It requires no trellis like the tall Sweet Peas; neither does it hug the ground, Verhena-like, as does the Cupid race. An average bush grows from 16 to 18 inches high, by from 12 to 14 inches wide. One of the largest plants measured was 17 inches high, and branched so vigorously that it measured 24 inches across! All the flowers are borne on top of the plant, and the proper way to treat this new type will be to plant the seed in a row, to make a neat, even hedge, when no supports whatever will be required. Grown as separate, individual plants, the slight support of a light stick should be furnished,—just such as would be required for a dwarf, hushy Marguerite carnation. We predict that this 'fore-runner of a new race' will heget increased enthusiasm in Sweet Peas—America's favorite flower.

"The flowers, both in form and coloring, are a perfect reproduction of the famous Gray Friar introduced by us several ears ago. As is well known, this is one of the most beautiful varieties in the entire list of Sweet Peas. Of good size and perfect hooded form, they are of a most beautiful watered purple on white ground, the heavier coloring being on the back of standard. Black seeded; hardy and vigorous in constitution. The seed we offer is all hand-picked, and every seed should grow.

"With perhaps the single exception of Cupids, no novelty since the introduction in 1890 of Burpee's Bush Lima has such intrinsic merit or is calculated to create so profound a sensation in the Horticultural World, as Burpee's Bush Sweet Pea.

NOTE.—That as there is another variety of this type introduced this season, this will hereafter be known as **BURPEE'S BUSH GRAY FRIAR.**

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

NEW SWEET PEA.=Earliest of All.

We quote from introducers' description:

"Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom always ten days to two weeks in advance of the Extra Early Blanche Ferry, which has been heretofore a week ahead of all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis."



"The flowers are as large as those of the regular strains of Blanche Ferry, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white."

Pkt., 5c.; ½ oz., 10c.; oz., 15c.

NEW SWEET PEA. "NAVY BLUE."

THE ONLY SWEET PEA THAT IS OF A TRUE BLUE COLOR.

An entirely distinct color (not tint) from any existing variety of Sweet Pea. General color-effect dark blue standards brilliant royal purple; wings pure violet; the whole flower elegantly veined in sharp relief. A most vigorous grower. Blooms of approved form, generous size, parchment-like texture, and remarkable substance. Stems usually bear three flowers, occasionally four. When they begin to fade, they assume an antique silver-gray cast, but maintain a stately mien up to the moment the petals fall.

A VALUABLE COLOR INOVATION. The introducers say:

Burpee's **NAVY BLUE** is an entirely new color of unique value. From personal inspection of the growing crops in California, in 1897, 1898, and 1899, as well as from our own trials at Fordhook the past season, we can indorse thoroughly the originator's description as given above.

The color-effect is True Blue. Of all the one hundred and fifty varieties of Sweet Peas there is no other that approaches this color.

Pkt., 10c.; ½ oz., 15c.; oz., 20c.



Remember that we Include Ounces as well as Packets in OUR SPECIAL OFFER. SEE PAGE 25.

A New Class of Sweet Peas. The Cupid or Dwarf.

When the WHITE CUPID was introduced many became at once greatly interested in it, but owing to its failure to germinate well or at all in many cases, after repeated trials, the public became discouraged and interest waned. With the advent of the PINK CUPID (a black seeded variety) however, the interest in this class was revived, it being comparatively easy to germinate and was successfully grown by many who were not successful with the White Cupid. Since the Pink variety was introduced there have been other additions to this class, with which the average cultivator has been fairly successful. These were obtained by crossing and re-crossing the original White Cupid upon the different tall Sweet Peas, producing a number of colors, so that it is only a question of comparatively few years until we have all varieties in Cupids.

We offer these varieties, and in addition Three New Ones,

White Cupid (white seed), the first variety introduced of this class.

Pink Cupid (black seed), introduced in 1893. A departure from the tall Blanche Ferry. Standard a bright rose-pink; wings pure white.

Each Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.

Alice Eckford Cupid (black seed). Flower identical in size, form and color with the tall Alice Eckford, which, while not of the largest size, is a favorite on account of its delicate shadings. Standard rich creamy white, suffused with soft flesh pink; wings silvery white with a faint pink blush in centre.

Burpee's Beauty Cupid. Flower equal in size, form and substance to the best of the new tall Sweet Peas. Standard a delicate though decided pink, lightening to nearly white at the edges; wings suffused with rosy carmine, deepening at the edges. A vigorous grower and a wonderfully free and profuse bloomer.

Primrose Cupid. Like all the other Cupids, a free bloomer. Identical with White Cupid in all respects except coloring, this being of a rich creamy tint like the tall Primrose. The seed we offer is all hand-picked and although white will grow nearly as vigorously as the black, seeded varieties.

Price of preceding three varieties: Pkt., 5c.; 1/2 oz., 10c.; oz., 20c.



A Single Plant of Cupid Sweet Peas Exactly Engraved from a Photograph.

THREE CUPIDS.

We quote the introducers' descriptions:

BOREATTON CUPID.

"Flower of good size, fine bold form, and rich dark coloring. Standard quite broad and well spread, of smoothly rounded form, edges slightly reflexed or curving backward; self-colored in a rich wine-brown, with heavy veinings of a still darker shade. It is of beautiful texture and smooth, glossy, satin surface. Wings lie rather closely to the semi-erect keel, spreading in the lower portion, with edges heavily rolled; deep mauve, underlaid and suffused with rosy purple. Keel heavily striped with rich purple. Plants always of true Cupid growth, dense and spreading, with rich, deep-green foliage."

COUNTESS OF RADNOR CUPID.

"Of true Cupid type, the plants hug the ground, verberna-like, completely covering a space sixteen by twenty-four inches in diameter, and never growing more than six to eight inches high. From this mat of deep-green foliage are thrown up hundreds of stems of dainty flowers of perfect form and largest size. The flowers are of immense size, larger than the tall Countess of Radnor, and are borne three and four on a stem. Standard very large, broadly expanded, and of a delicate lavender, suffused in the centre with soft rose. Wings unusually broad, widely spread, and not recurved; of a clear, light-lavender shade throughout. A charming companion to the dark beauty of Boreatton Cupid, and contrasting splendidly with the intense brilliancy of Firefly Cupid."

FIREFLY CUPID.

"Like the others, this is, of course, of true Cupid growth, dense and spreading. Flowers of good size and deep, rich shading. Standard quite large, broad and erect, widely spread; of pointed form when fully opened, and of a deep, glowing scarlet. Wings large and curling close to the keel, only moderately spreading, and of a deep, rich rose. The large flowers, borne in clusters of three, have the same dazzling scarlet effect as the tall Firefly, and appear even more brilliant in the striking contrast to the deep emerald-green foliage. The plants are literally covered with bloom, and, either in a bed in the open garden or as pot-plants, are almost startling in gorgeous beauty! Every one who has seen the Firefly Cupid, in advance of its introduction, is wildly enthusiastic. It is really impossible in any description to give an adequate idea of the brilliancy and beauty of these little plants, so completely covered with intensely brilliant bloom."



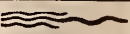
**BURPEE'S
BEAUTY
CUPID**

COPYRIGHTED 1898

This illustration is engraved natural size from photograph of a spray.

Pkt., 10c.; 1/2 oz., 15c.; oz., 25c.

Two Giant Flowered Sweet Peas.

Not New, but well worthy of
Special Mention. 



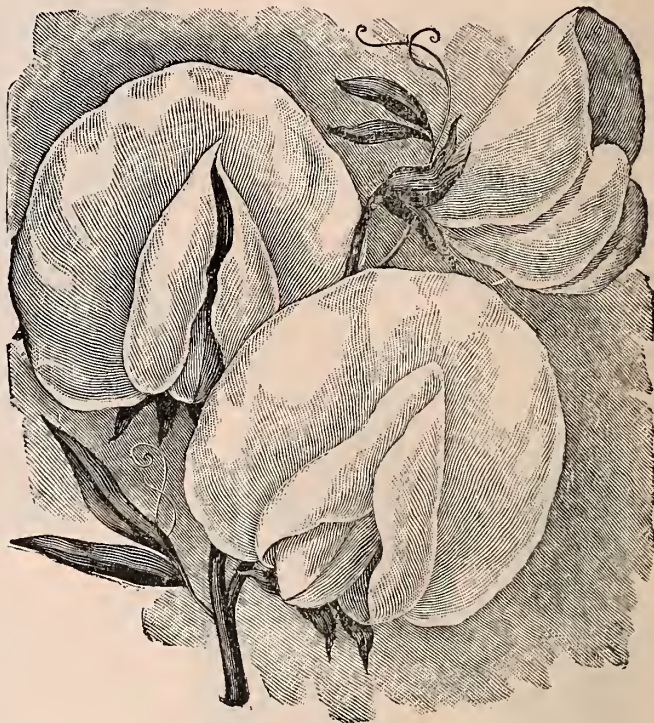
It is impossible to over-praise the striking beauty of this gigantic flowered new Sweet Pea. The flowers are of fine substance, full expanded form (as shown in the illustration), and are truly gigantic in size. The immense flowers are borne three and four on a stem; the stems are extra long and strong. The vines are vigorous in growth and bloom most profusely. The color effect is gorgeous; both standard and wings are flaked and striped on a white ground, with bright orange-salmon.

Pkt., 5c.; oz., 10c.; 2 ozs., 15c.; $\frac{1}{4}$ lb., 25c.

"BLANCHE BURPEE" Eckford's Giant White Sweet Pea.

A white seeded, pure white of exquisite form and immense size, having a bold, rigid, upright, shell-shaped standard of great substance; is a wonderfully profuse bloomer and absolutely free from the objectionable notch so conspicuous in Queen of England. It usually bears three flowers on a stem; a very chaste variety, and by far the finest White Sweet Pea ever produced.

Pkt., 5c.; oz., 10c.; 2 ozs., 15c.; $\frac{1}{4}$ lb., 25c.



MIXED SWEET PEAS.

OUR CHOICE MIXTURE.

This Choice Mixture is made by us, and contains about sixty NAMED varieties, including both old and new, mixed in right proportions of color, and with the exception of some of the latest highest priced varieties, contains all that is desirable for a choice mixture.

Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{4}$ lb. 25c., lb. 65c.

OUR BEST MIXTURE.

This mixture is made of the large flowering varieties and those of recent introduction. Particular attention is given to the right proportion of colors as well as to the size of the flower. It would be impossible to make a better one with the varieties in cultivation at present, and it will be found on trial to be exactly what we claim—"The Best."

Pkt. 5c., oz. 15c., 2 ozs. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

COLLECTIONS OF SWEET PEAS.

Our Special Collection 25c. Consisting of 10 Named Varieties of Our Selection.

OUR FAVORITE COLLECTION, 35c.

Consists of the following popular varieties: Aurora, Blanche Burpee, Extra Early Blanche Ferry, New Countess, Firefly, Golden Gleam, Her Majesty, Lovely, Maid of Honor, Royal Rose, Stanley, and Venus, with one pkt. of Pink Cupid—13 pkts. in all. Worth at catalogue rate, 65c. By mail, postpaid, 35c.

OUR WORCESTER COLLECTION, 75c.

Consists of the first variety of each class in general list and Pink Cupid, 30 pkts. in all, and one ounce of our Best Mixed.

Worth at catalogue rates, \$1.65. By mail, postpaid, 75c.

When Ordering Seeds in Packets or Ounces, remember we make a Liberal Discour. See Special Offer on page 25.

SWEET PEAS.

GENERAL LIST.

decide which should have the precedence. This list contains many of the late introductions and all needful varieties to make a complete list of colors and the many various shades and tints which are found in these beautiful flowers. We are in a great measure indebted to that excellent work, the SWEET PEA REVIEW, published in California by practical growers, for its suggestions as to the arrangement of varieties in color classes, having followed them to a considerable extent, not only regarding color, but also in regard to the retention and discarding of varieties.

All varieties 5c. per pkt., 10c. per oz., 2 ozs. 15c. and 25c per 1/4 lb.

White.

- 1 Blanche Burpee
- 2 Emily Henderson
- 3 Mrs. Sankey

Yellow.

- 4 Golden Gleam
- 5 Mrs. Eckford
- 6 Primrose

Pink

- 7 Prima Donna
- 8 Lovely
- 9 Blushing Beauty
- 10 Katherine Tracy
- 11 Mrs. Gladstone

Rose.

- 12 Lady Penzance
- 13 Ovid
- 14 Her Majesty

Scarlet.

- 15 Brilliant
- 16 Firefly
- 17 Cardinal

Crimson.

- 18 Mars

Between Scarlet and Crimson.

- 19 Prince Edward of York
- 20 Princess Victoria

Approaching Blue.

- 21 Captain of the Blues

Mauve-Bluish.

- 22 Celestial
- 23 New Countess
- 24 Countess of Radnor

Mauve-Reddish.

- 25 Emily Eckford
- 26 Dorothy Tennant

Magenta.

- 27 Captivation

Claret.

- 28 Duke of Clarence

Deep Maroon and other closely allied tints.

- 29 Shahzada
- 30 Stanley
- 31 Boreatton
- 32 Indigo King

BLENDINGS.

DELICATE.

- 33 Crown Jewel
- 34 Coquette
- 35 Venus
- 36 Lemon Queen
- 37 Peach Blossom
- 38 Alice Eckford

STANDARD AND WINGS OF SLIGHTLY DIFFERENT TINTS.

- 39 Lady Beaconsfield
- 40 Triumph
- 41 Countess of Shrewsbury

FLAKED AND CLOUDED EFFECT.

- 42 Royal Rose
- 43 Apple Blossom

RICH METALLIC.

- 44 Countess of Powis
- 45 Meteor
- 46 Rising Sun
- 47 Orange Prince

SUFFUSED WITH AND EDGED WITH LAVENDER.

- 48 Lottie Eckford
- 49 Maid of Honor
- 50 Golden Gate
- 51 Butterfly

WITH ROSE.

- 52 Countess of Aberdeen

TRICOLOR.

- 53 Captain Clark

Contrasting Shades—Standards and wings in different tints.

- 54 Little Dorrit
- 55 Extra Early Blanche, Ferry
- 56 Duke of York

VARIEGATED.

ORANGE-ROSE.

- 57 Aurora

ROSE.

- 58 Mrs. Jos. Chamberlin
- 59 Gaiety

PINK.

- 60 Ramona

BLUISH-MAUVE.

- 61 Striped Celestial
- 62 Juanita

SPECKLED EFFECT.

- 63 Gray Friar

CHOCOLATE AND PURPLISH MAUVE.

- 64 Senator

SCARLET AND CRIMSON.

- 65 America
- 66 Daybreak

Dwarf.

- 67 Cupid, white
- 68 Pink Cupid

COSMOS.—Early Flowering.

A few years ago the Cosmos bloomed with the Chrysanthemum, and being rather more tender, often died an untimely death by frost just at its first blooming, so that it was almost useless to plant it in Northern sections, but since this Early Flowering strain has been produced it may now be had in bloom from July to November. It is such a strong vigorous grower, and its fine fringed-like foliage is such a pretty background for its lovely spreading flowers of white, pink, crimson or rosy purple, that it can hardly be spared from any garden. It grows with the greatest freedom in any soil, but repays right royally the best care you can give it. It is really one of the most satisfactory annuals. Pkt. 10c.

NEW CLIMBING NASTURTIUMS.

Hybrids of Madame Gunter.

The introducers describe this new wonderful Nasturtium as follows: "For richness and variety of colors these new hybrids have no equal among Nasturtiums. There are shades of rose, salmon, brightest red, pale yellow, either as solid colors or spotted and striped. The foliage is mostly dark, and contrasts very effectively with the rich colors. They are climbers and are free and continuous bloomers." Pkt. 10c, 1/2 oz. 15c, oz. 25c.

TWO NEW Giant-Flowered NASTURTIUMS.—"SUNLIGHT."

This beautiful new Nasturtium has handsome light green foliage lit up by myriads of clear, rich golden-yellow flowers, borne so profusely as to almost conceal the foliage. The petals are large and round, measuring more than 1 1/4 inches across, and are daintily crinkled, which gives a very pretty effect. The two upper petals have a few delicate brown lines at their base, and the three lower ones are more distinctly bearded or fringed at the throat than is usual. The flowers measure nearly three inches across. It is a splendid climber, and its glowing color makes it wonderfully effective. Pkt. 10c, 1/2 oz. 15c, oz. 20c.

"MOONLIGHT" NASTURTIUM.

This new Nasturtium is the counterpart of "Sunlight," except in color, which is an exquisite pale straw color. It is as beautifully shaped as its brilliant companion, and has the same lovely crinkled effect in the petals. Pkt. 10c, 1/2 oz. 15c, oz. 20c.

OUR CHOICE MIXED DWARF NASTURTIUMS.

A mixture of seedlings and named varieties comprising all the colors and shades to be found in this popular flower. Pkt. 5c, oz. 10c, 1/4 lb. 30c.



We Know of No Other Flowers Grown from Seed that So Well Repay the Grower, as SWEET PEAS and NASTURTIUMS.

The New Fringed Perpetual Blooming Hollyhock

"ALLEGHENY."

In this new race we have a great acquisition and decided improvement over the old hollyhock; indeed, so different are the flowers that one finds it almost difficult to admit the relations they bear to each other. The flower of the Allegheny is much more beautiful in texture and much larger, measuring seldom less than five, often six and even seven inches across. No one can imagine the beauty and brilliancy without seeing them. A dish filled with them is indescribably beautiful. The fringed Chrysanthemum shaped flowers are of such delicate, transparent texture that they have the appearance of being made of crushed silk. A row of the plants in full bloom has as beautiful and varied shades of coloring as a rainbow.

In addition to its great beauty and size, it has another remarkable and very desirable feature—**The Perpetual Blooming Habit.** The leading idea and aim in the breeding of the Allegheny hollyhocks was to produce a race of perpetual blooming habit and this has been attained with a success that is most gratifying. Two to four buds are formed at the base of every leaf, where the old style hollyhocks have but one. These buds develop in rotation, the largest first and then the smaller ones until all have opened into beautiful flowers. In any mild climate new buds are formed before the first crop has finished flowering, so that in the south, flowers are produced all the year round and, in the north, from July until cut off by frost.

Taking into consideration all these valuable characteristics, the Allegheny Hollyhocks certainly stand at the head, in point of merit and desirability, of all seed novelties of the last few years.

Pkt. 10 Cents.

FROM THE FLORISTS' EXCHANGE, NEW YORK CITY.

"The flowers of the 'Allegheny' Hollyhocks are very different from those of the older sort both in form and in the manner in which they are disposed on the stem. Every bud, to the top of the plant, develops, making the blooming season a long one. The flowers are enormous in size, six inches in diameter, beautifully fringed and colored."



— THE — MORNING IMPERIAL JAPANESE GLORY.

Every Season Increases the Popularity of this Beautiful Flower.

For peculiar, diverse and beautiful markings, but few flowers equal it. Blossoms are very large and of every hue and color, some being frilled and ruffled and of peculiar form, both single and double; indeed the beauty and variations are indescribable, and can only be appreciated when seen. Not only the flowers are wonderful in their variation, but the foliage also has the same peculiar and striking habit, being of all shades of green to light yellow, some being variegated with light, almost white, markings, and some with different shades of yellow on dark grounds. The vines are of strong and vigorous habit, growing rapidly and flowering in a few weeks from planting. It is of the easiest culture, and one of the best plants for covering unsightly places. Its great beauty entitles it to a place in every collection of flowering annuals, and no flower-lovers should fail to plant it. Our stock is made up of seed from different growers, insuring all diversities of color and form possible. Single and double mixed.

Pkt. 10 Cents; Oz. 25 Cents.



NEW..... SALPIGLOSSIS EMPEROR.

(SALPIGLOSSIS VARIABILIS SUPERBISSIMA.)

The Salpiglossis is one of the greatest favorites among annuals. It holds this high place because of the ease with which it is grown, the beauty of its almost orchid-like flowers, and its continuous habit of blooming, the flowers being produced during the whole summer. This new variety shows marked distinctions in both its flowers and habit whether seen at a distance or examined closely. It forms only one leading stem, which often grows as thick as one's finger and bears on its end a bouquet of the most beautiful flowers. Every one of them is richly veined with gold and they are much larger than those of the old type. There is as much difference between the "Emperor" variety and the old type as there is between the improved varieties of petunias and the common petunias. The throat is wide open and short. The edge of the flower is not so deeply incurved as with the old type, which gives the flower a rounder shape. In short this novelty is so remarkably beautiful that experts in this country and abroad pronounce it something really extraordinary.

Pkt. 10 Cents.

Lower Flower 1-2 Actual Size.

REMEMBER our SPECIAL OFFER on page 25—A LIBERAL DISCOUNT on seeds, in PACKETS and OUNCES.

SUMMER FLOWERING BULBS AND ROOTS.

CANNAS.

We offer a choice selection of the best varieties; strong, dormant roots, with two or three eyes. (Late in the season we are sometimes obliged to send growing plants.)

Four Distinct and Valuable Varieties. Each, 20c., 3 for 50c.; dozen, \$1.75. Postpaid.

PRESIDENT MCKINLEY. One of the best of recent introductions. Color a rich, clear crimson; flower of good size; borne in large, even trusses well above the foliage; one of the earliest to bloom. The plant is dwarf in habit, never growing over 3 ft. high in rich soil; compact and shapely; foliage rich green with margin of chocolate.

ALSACE. The nearest approach to white. When first opening, flowers are of a delicate sulphur-yellow, changing soon to a creamy white. A very desirable variety for contrasting with darker sorts.

For peculiarly beautiful flowers, with rich, brilliant and diverse colors and stately foliage, no plant exceeds the *Canna*. Planted in masses on the lawn, no other plant is its equal in striking decorative appearance, and it is at present probably the most popular of all bedding plants, even exceeding in popularity the old-time favorite, the *Geranium*; a thing of interest from the time the first leaves begin to unfold, and blooming continuously until cut down by frost. It is also an exceptionally fine pot plant either for summer or winter blooming; if desired for the latter purpose it can be grown in the garden or bed, and before danger of frost can be lifted and potted with but a little check to the plant, and will continue to grow and bloom through the winter.

PRESIDENT CLEVELAND. The finest orange-scarlet yet introduced. Flowers large, and produced in compact, well-formed trusses with broad, thick petals, making a lasting and well-shaped flower. A strong, vigorous grower, and continually in bloom from early summer until frost. Very popular.

AMERICA. A giant orchid flowered variety; the first red leaved *Canna* in the giant flowered class. Foliage rich glossy bronze, appearing almost as if varnished. Flower deep orange, flamed and striped with deeper shades. A very distinct and valuable variety.

20 of the Best Varieties in Cultivation. Each 10c., 3 for 25c.; dozen, \$1.00. Postpaid.

A. BOUVIER. Flower on first opening intense brilliant crimson, changing to a deeper hue when fully expanded.

ANTOINE CROZY. Flower deep crimson; foliage light green; 4 feet.

AUSTRIA. An orchid flowered variety; golden-yellow with faint scarlet markings. A remarkably strong grower and free bloomer; 6 feet.

BURBANK. Flower rich canary-yellow, the inner part of petals dotted with fine crimson spots; gigantic in size and orchid like in form. A very strong grower, with leaves which have a rubber-like texture; foliage green; 5 1-2 feet.

BRILLIANT. Flower bright scarlet; foliage green; a very free bloomer; 5 feet.

CHEVALIER BESSON. Flower clear crimson; foliage rich green; free bloomer; 2 feet.

CHAS. HENDERSON. Flower crimson; foliage broad, a rich deep green with narrow margin of bronze; a vigorous grower; 4 feet.

EGANDALE. The best dark leaved *Canna*; flower cherry red; 4 feet.

ELDORADO. Flower yellow, faintly streaked with red; foliage broad, light green; 3 feet.

FLORENCE VAUGHAN. Flower yellow with bright red spots; large; foliage green; 4 feet.

FLAMBOYANT. Flower flaming red and rather small; foliage green; a profuse bloomer; 5 feet.

ITALIA. Orchid flowered; bright scarlet with broad border of orange; very beautiful; foliage broad and heavy; 6 feet.

J. C. VAUGHAN. Flower bright orange-scarlet; foliage deep bronzy purple. A very free bloomer and a distinct and valuable variety.

J. D. CABOS. One of the best dark foliageed *Cannas*; flower bright orange; a very distinct variety; a free and continuous bloomer.

MADAME CROZY. The most popular *Canna* grown. Flower brightest crimson scarlet with golden yellow border; a strong grower and free bloomer, commencing to bloom when plant is but a foot high; 4 feet.

PAUL MARQUANT. Flower large rich salmon shaded with rosy carmine, a distinct, novel and pleasing shade; foliage dark green; 4 feet.

PROFESSOR. Foliage large, deep rich plum, almost black; flower large, deep crimson; 3 feet.

PRESIDENT FALVRE. Flower amaranth red; foliage bronze; a strong grower; very desirable for massing.

ROBUSTA. A very fine tall-growing variety with dark leaves; 8 to 10 feet.

VICTOR HUGO. Very desirable on account of its fine foliage; leaves resemble those of the banana, bordered with rich bronze; flower large; crimson; 3 feet.

GLADIOLI.

NAMED VARIETIES

All Sent Postpaid at Prices Quoted.

The *Gladiolus* is one of, if not the best, of all of the summer flowering bulbs. The ease with which it can be grown only requiring a moderately rich soil and thriving well in a variety of soils and locations, places it in the power of all who cultivate flowers to have some of the most beautiful. The range of color is unlimited, with innumerable diverse and delicate markings unsurpassed by any other flower. While recommended by nearly all to be planted in various places in the garden for an effective display, it is not for this purpose that it is such a favorite with us, although there are many such places where it can be planted with a very striking and desirable effect; but as a cut flower for large vases we think it excels all others of anywhere near a similar nature; if cut when only the lower flowers are open, it will last for a week or more, the upper buds developing one by one into perfect blossoms. Then, too, the season of bloom may be made a long one if early and successive plantings are made. All in all, its ease of culture, certainty of success, range of color, and lovely blendings and markings, its effectiveness in the garden, its greater desirability as a cut flower, and possible length of season of bloom, makes the *Gladiolus* worthy a place in every garden. It is such a favorite of ours that no words of praise would seem to us extravagant, and if space would permit we should feel inclined to say still more in regard to a more extensive planting of this lovely well-known but too little appreciated flower.

Culture-Plant from six to nine inches apart, and from three to four inches deep. The first planting can be made the middle of April, and successive ones until the first of June. A light, moist soil one year from sod is the most desirable, but as we have before said, it thrives well in nearly all soils, the exception being a stiff, clayey one. Do not use much manure, and only that which is well rotted. Much the better way is to use land that was well manured the previous year, using none at the time of planting. Change the location each year, and if possible avoid planting in the same place for three years. In well kept gardens it is the custom to tie each plant to a small stake, and while we greatly dislike to see the plants left without any support, we also dislike to see many stakes in a flower garden. So we have adopted the same method of supporting them that we use for our Sweet Peas. At the ends of each row on both sides close to the plants we set strong stakes driven deeply into the ground, and at a distance of ten or twelve feet we place others, the height of the stakes being from two to three feet, governed by the general height of the plants. On these stakes we stretch two or three strands of No. 19 galvanized wire. It will be readily seen that the wires will prevent any falling outside the row, and if any seem inclined to lop between the wires, they can easily be prevented from so doing by tying to them. This can be done much quicker, and in our opinion is a neater way than to stake each plant. In the fall, before hard frosts, take up the bulbs, cut off the tops, leave in the air to dry for a few days, and keep during winter in a dry, cool cellar.

The following list of named varieties contains only those which have been proven to be the best or most satisfactory :

- Addison.** Dark amaranth, with white stripes. 10c.
African. Darkest crimson black, with pure white blotch in throat. The darkest and one of the finest colors; large flower and spike. 10c.
Angele. White, showy and effective. 10c.
Aurore. Bright salmon rose, striped orange, carmine and rose, blotch cherry rose, streaked violet. 10c.
Brenchleyensis. Vermillion scarlet; fine old variety. 5c.
Chameleon. Compact truss of large, slaty lilac flowers, flamed orange, with white bands in centre of each petal, large creamy white blotch streaked violet. 10c.
Canary Bird. Fine yellow. 15c.
Conquete. Large and fine flower of bright cherry red, with conspicuous pure white blotch, upper petals striped with delicate rose. 10c.
Diamant. Fleshy white, of a remarkable freshness, throat ivory white; blotched and streaked carmine. 10c.
Fatma. Very large flowers of ivory white ground, profusely striped and suffused with bright rosy salmon; violet blotch. 10c.
Flamboyant. Large flowers, fiery scarlet. 10c.
Grand Rouge. Enormous spike and flower of perfect shape, intense scarlet, with small violet blotch in throat; the grandest of all scarlets. 10c.

- Isaac Buchanan.** Very fine yellow. 5c.
John Bull. White, slightly tinged with sulphur. 5c.
Lamarck (de). Cherry, slightly tinted with orange, blazed with red; very large pure white strain. 8c.
Madame de Vatry. French with purplish carmine blotch. 8c.
Madame Monneret. Delicate rose. 5c.
May. A lovely pure white flower, finely flaked, bright rosy crimson, superb spike. 8c.
Mr. Bains. A clear, light, red self color, very distinct. 10c.
Napoleon III. Bright scarlet, white line on each petal. 5c.
Octoroon. A beautiful salmon pink, very distinct. 10c.
Pepita. Bright golden yellow, slightly striped carmine at the edges of the petals toward the end of the flowering season. 10c.
Princess of Wales. White, flamed with carmine rose, deep carmine blotch. 10c.
Reine Blanche. Pure white, dark carmine blotch. 8c.
Romulus. Very brilliant dark red, pure white blotch, large white lines on lower petals. 8c.
Snow White. Absolutely pure snow white, the only pure white Gladiolus, large and well open; enormous spike of perfect shape. 20c.
Sylphide. Pure white, flamed carmine, extra large. 15c.
Van Spandonk. Fiery red, splendid. 10c.

For \$1.00 bulbs of above may be selected amounting to \$1.25.

GLADIOLUS CHILDSI.

The introducer of this wonderfully beautiful class says of it :—"No novelty in floriculture has been introduced during the past ten years which equals in importance, magnificence, or value, this distinct new strain of Gladioli first introduced by us in 1892. They far outrank all other Gladioli in size of spike, size of bloom, vigor, varied and magnificent coloring and freedom of bloom. They were produced by Max Leichtin, of Germany, the most noted horticulturist in the world, and are the result of a careful cross between the finer varieties of *Gandevensis* and that lovely species, *Saundersoni*. They came into our possession a few years later.

"DESCRIPTION. It is difficult to describe flowers of such varied and peculiar beauty as these Gladioli. They are much stronger and more vigorous than others, the growth being exceedingly rank, and the foliage dark, healthy green. They are very tall and erect, often standing four or five feet high with spikes of bloom over two feet in length. They branch freely, in most cases each stem producing three or four spikes of bloom, and bloom much earlier than ordinary varieties. The flowers are of great substance and of gigantic size, frequently seven to nine inches across. The form of both flower and the spike is perfection itself, and they last in bloom a long time, before fading, owing to their great substance and vigor; but their most remarkable feature is their coloring. Orchids cannot surpass them in their varied and delicate shades, markings and blendings. Every color known among Gladioli is represented and many never before seen, particularly blues, smoky greys and purple blacks, all having beautifully mottled and spotted throats, made up of white, crimson, pink, yellow, etc., and in this peculiar network of charming spots and colors lies one of its special points of unsurpassed beauty. The flowers are more beautifully colored than *Lemoine's* Hybrids and much larger than *Gandevensis*. Even the beautiful flowers of the weak-growing *Nanceianus* cannot compare with these in size and beauty."

- Bowdoin.** Very large flower, light orange scarlet, with large, pure white throat. Very exquisite.
Boston. Flaming orange scarlet, with large, pure white throat.
Columbia. Light orange scarlet, freely blotched and penciled with bluish purple. Throat freely marked and mottled.
Dr. Sewell. Large spike and very large flower, of great substance. Deep, rich rosy crimson, slightly penciled darker. Center of petals rayed with white. Throat pure white.
Ethel. Beautiful soft rose color, with white and crimson.
Henry Gillman. Deep salmon scarlet, with pure white bands through each petal, the throat showing peculiar mottling.
Livonia. Light red, with white mottled throat.
Little Blush. Dwarf habit, compact spike of bluish white.
Mohonk. A strong, rank grower, flowers of large size and great substance. Deep dark pink, with spotted throat, shaded orange and flaked with maroon.
Nezinscott. Bright blood scarlet, with deep velvety crimson-black blotches and white mottling in the throat.
Old Oxford. Slaty crimson, heavily clouded with blue. Large crimson and white mottled throat.



- Splendor.** A splendid large flower, of the softest, sweetest rose color. Large magenta stains, with purple and white mottlings.
Sacramento. Deep, bright coral-scarlet, with white mottlings.
Torch-Light. Very large spike of large, light flaming scarlet flowers. Throat mottled and spotted white and violet.
Wm. Falconer. Spike of great length and flowers of enormous size. Light pink and blush, delicate, freely mottled. Each, 10c.; 3 for 25c.; dozen, 75c., postpaid.

Montbretia. Blooms from Mid-Summer until Frost. | **Summer Flowering Oxalis.** Desirable for borders and also for hanging baskets, blooming the entire season. Dleppi, violet hued. Lasandria, rosy pink. Doz. 10c.; 25, 15c.; 100, 40c.; postpaid.

LEMOINE'S New Hardy Hybrid Gladiolus.

The odd and fantastic markings of these Gladioli, and their beautiful shape, resemble the fascinating beauty of the rarest of all flowers, the Orchid. Yellow, crimson, white, brown, pink, green, etc., are blended together, producing an effect seen in no other flower. They are of recent introduction, therefore new and quite unknown. It is useless to attempt to describe their regal beauty, for it cannot be done.

- Atlas.**—Clear violet, large velvety maroon blotch.
Admiral Pierre.—Dark carmine-red, lower divisions clouded with purplish maroon, surrounded with light yellow.
Bajazet.—Lovely light pink, shading to delicate bluish.
Bassuet.—Large; brilliant vermilion.
F. Bergman.—Large; orange-pink, white carmine stains.
Etendard.—Light brick red, with large yellow blotches.
Gambetta.—Dark amaranth-red. Exceedingly rich
Cleopatra.—Red, carmine blotches, tinged with yellow.
Chas. Martel.—Rosy bluish; intense large carmine blotch.
Decheville.—Salmon-red, buff blotch.
Emille Lemoine.—Bright vermilion, dotted gold.
Enfant de Nancy.—Purplish red, lower petals deep carmine color, and blotching entirely new.
Incendiary.—Fiery red, large blotch of crimson red.
Lafayette.—Very large; yellowish salmon, crimson blotches.
La France.—Light salmon, velvety purple blotches.
Lamarck.—Salmon, crimson and yellow spots.
Lamartine.—Rosy flesh, with large bright maroon blotch.
Marie Lemoine.—Long spike of fine pale creamy color, flushed salmon-lilac, spotted violet and yellow.
Pme Lemoine.—White, tinged with salmon.
Vashti.—Creamy white, blotched carmine.

Each, 6c.; 3 for 15c.; Dozen, 50c.

GLADIOLI. || Our Choice Mixtures.

Our mixed Gladioli are very fine indeed, being choice varieties only. All old and common ones have been discarded, and customers can depend upon having a large and magnificent variety of colors.

All Colors Mixed, first size, first quality. Dozen, 30c.; hundred, \$2.00.

Our Popular Mixture. This is composed of good sized bulbs, but not all strictly first size, of an excellent range of colors, and for general use will be found a satisfactory one. Dozen, 20c.; hundred, \$1.50.

Our Worcester Mixture. This is a superb mixture. It comprises all the different classes, the best seedlings and many named varieties; all strictly first class and first size bulbs; of the greatest possible diversity and range of colors; in fact, is the best mixture that can possibly be made. Dozen, 40c.; hundred, \$2.50.

Childs Mixed, First quality, extra large. Dozen, 60c.; hundred, \$1.00.

Lemoinei Hybrids, Mixed. First size and quality. Dozen, 35c.; hundred, \$2.00.

White and Light Varieties Mixed. Very choice, and absolutely true to color. Dozen, 35c.; hundred, \$2.00.

All Gladioli sent postpaid at prices quoted. If desired sent with other articles, by express, deduct 5c. per doz. or 25c. per hundred.

IRIS.

GERMANICA (German Iris). An old favorite flower, blooming in May and June, when but few flowers are in bloom. The beautiful orchid-like flowers are many, and lovely hue, and produced in great profusion. When planted in groups as well a supply of flowers which, for variation of colors and delicate loveliness, are not exceeded by those of any other plants of similar nature. Roots should be planted on the surface, covering but slightly and pressing down firmly. Choicest mixed varieties each 10c., 3 for 25c., 6 for 40c., dozen 75c., postpaid.

KEMPFER (Japan Iris). Flowers of this class differ from those of the German Iris in form, being broad, much flatter and larger, but are also of the most beautiful and delicate colors, ranging from white to purple, and delicately marked and veined. Of robust free blooming habit and easy culture; in fact, when once planted will last a lifetime, succeeding best in moist rich soil. Choicest mixed varieties, single and double, each 10c., 6 for 50c., dozen, 90c., postpaid.

TUBEROSE. Excelsior Pearl. Extra Large Bulbs. Each 5c., 4 for 15c., doz. 50c., postpaid. Medium Size—Each 4c., 3 for 10c., doz. 30c., postpaid.

BEGONIAS. Tuberos Rooted...

A deservedly popular class of tender flowering bulbs with those who are acquainted with them; whom, however, seem to be the exception among the ordinary cultivators of flowers. We have been surprised to learn that in spite of the attention that seedmen and florists have given this class of plants, so few have attempted their cultivation, or are even at all familiar with them. Simply stated, if one has the right location—partial shade, or can devise some way to shield them from the hot sun and severe winds,—the Tuberos Rooted Begonia is one of our finest bedding plants, a fact which the flower-loving public will eventually learn. The flowers are marvels of beauty, delicate yet brilliant, of beautiful form and very large, often measuring when conditions are favorable from four to six inches in diameter. In color they are extremely varied, ranging from pure white to deep crimson, and flaming scarlet through many shades of pink, rose and yellow. The foliage is peculiarly clean and healthy and of vigorous growth; in color, deep green, varying in form, and presents a very pleasing contrast with the bright flowers. In addition, the plants are very free and constant bloomers, and excellent as pot plants. Start in the house from February to April. At the end of the blooming season take up tubers and dry and keep in dry sand until Spring, when they can be again planted.

Single varieties, mixed or separate colors, White, Pink or Rose Red and Yellow. Each, 10c.; 3 for 25c.; dozen, \$1.00; postpaid.

Double varieties, mixed or separate colors, same as single. Each, 12c.; 3 for 35c.; dozen, \$1.20; postpaid.

LILIES. Hardy Varieties.

A stately and beautiful class of plants, bearing flowers of elegant form, many of which have a delightful fragrance. It has been well said of this family that "it has no poor relations." They are of the easiest culture. All thrive best in partial shade and in a light rich soil, but must be located where water will not stand in winter. Plant from eight to ten inches deep on and surrounded by sand, and where they are to remain, as they do not well bear frequent removals. The following varieties can be planted in either spring or fall.

Auratum. (Golden Banded Lily of Japan.) This properly stands in the front rank of hardy lilies. The lovely flowers of enormous size are borne on long stems; often 10 or even more flowers on one stem when bulbs are fully established. Color pure white, with crimson spots and golden band through center of each petal, of an exquisite and peculiar fragrance. Large bulbs each 20c., 3 for 50c., postpaid; dozen \$1.75, by express.

Longiflorum. A fine variety, with long, pure white trumpet shaped flowers, which are identical with those of the well-known Harris or Easter Lily. Each 15c., 3 for 40c., postpaid; dozen \$1.10, by express.

Speciosum (Japan) Album. Pure white, sometimes with a slight tinge of rose on end of petals. Of easiest culture, hardy, and, like all of this species, of free blooming habit. Each 15c., 3 for 40c., postpaid; dozen \$1.25, by express.

Speciosum Melpomene. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals deeply recurved and widely bordered. Each 25c., 3 for 60c., postpaid; doz \$2.00, by ex.

Speciosum (Japan) Rubrum. White, with crimson spots; a lovely and popular variety. Each 15c., 3 for 40c., postpaid; doz. \$1.25, by express.

Trigrinum (Tiger Lily). The old well-known variety so often seen around old homes in the country. A profuse bloomer. Each 10c., postpaid; dozen 90c., by express.

Trigrinum fl. pl. (Double Tiger Lily). Each 10c., postpaid; dozen, 90c., by express.

Wallacei. Flowers of a beautiful buff or apricot tint, spotted with maroon. Of strong growth and a profuse bloomer. Each 10c., postpaid; dozen 90c., by express.

Maderia Vine. A rapid, beautiful climber, with wax-like light green leaves and feathery white flowers, with fragrance resembling Mignonette. Of easiest culture, simply needing planting when danger of frost is past and a trellis or strings to run on. Each 5c., 3 for 10c., dozen 35c., postpaid.

CALADIUM ECULENTUM (Elephant's Ear). Extra Large Bulbs. Each 20c., 3 for 50c., postpaid.

DAHLIAS! THE DAHLIA IS OUR GRANDEST AUTUMN FLOWER.

The following List is a Selection of the Finest Varieties in Cultivation.

We take great pleasure in announcing to our patrons and the public that we have made arrangements with a noted specialist in this line to handle his Dahlia Roots, and can safely assure all that the following list is made by one who has had years of experience and that his aim is to give the public the best that can be grown.

Customers ordering both Seeds and Dahlias will receive the seeds at once. Dahlias will be sent later in another package. If desired at some special time, it should be so stated on the order, otherwise they will be sent at the option of our grower.

IN ORDERING customers will greatly oblige us if they will make their order for seeds on enclosed order sheet and for dahlias on a separate one, or else make the order for seeds on one side and for dahlias on the other. DO NOT in any case mix orders.

By Mail or Express. Mailing sized roots will be sent prepaid, larger sized roots by express at purchaser's expense. Be sure and state on your order by which method you wish them sent otherwise we will send in the manner deemed by us most advisable.

Low Prices. Comparison of this list with those of other reliable dealers will convince all that we make very low prices for first-class stock. As far as our observation goes none make lower prices on these choice named varieties and few equal them.

Culture and Storage. Stir the soil thoroughly and deeply with plow or spade. Fertilize freely. Set three or more feet apart. Give freedom of air and light. Allow but a single stalk in a place. Keep the surface of the ground well stirred. At the end of the flowering season, BEFORE A HARD FROST, take up the plants, cut off the tops, dry the bulbs slightly, and put in cellar. In the spring they can be divided and replanted. Examine occasionally to see that they are not too dry, which will cause them to shrivel, or too moist or warm which will start them growing.

RECENT AWARDS.

American Institute Fair, New York City, First Prize for Best Fifty.
Massachusetts Horticultural Society, Boston, First Prize for Best General Display.
Massachusetts Horticultural Society, Boston, First Prize for Best Twelve Fancy.
Massachusetts Horticultural Society, Boston, First Prize for Best Display of Cactus.
Massachusetts Horticultural Society, Boston, First Prize for Best Twelve Show and Fancy.

Massachusetts Horticultural Society, Boston, First Prize for Best Six Show and Fancy.
Rhode Island State Fair, First Prize for Best General Display.
Rhode Island State Fair, First Prize for Best Twenty-five Show and Fancy.
New England Fair, Special First Prize for Best Display.

AND MANY OTHERS.

SHOW AND FANCY DAHLIAS.

10 cts. each. \$1.00 per doz. Set of 26 for \$2.00.

Show Dahlias include all large close flowering varieties of a single color, and those in which the ground color is of a lighter shade than the edges of tips.

Fancy Dahlias include all striped large flowering varieties, and those in which the ground color is darker than the edges or tips. They are, as a rule, very variable, and often show but a single color.

A. D. Livoni, sea-shell pink. Best of all dahlias.
Amazon, yellow, edged red.
Bird of Passage, light ground, tipped pink.
Crimson Variegatum, deep crimson, tipped white.
Dawn of Day, buff, often shows lighter blotches.
Elegans, lilac, tipped white.
Florence, yellow, color good.
Gilder, fawn and lighter shade.
Hector, orange scarlet.
John Standish, dark scarlet.
Julia Wyatt, creamy white.
King of Dwarfs, purple.
King of Reds, orange, suffused scarlet.
Maria Gerring, yellow, striped red.
Mantes la Ville, purplish lilac, large and free.
Mary D. Hallock, yellow, good flower, free.
Modesty, blush, with lighter center.
Mrs. Gladstone, light, ground often tinged with soft pink. One of the best.
Mrs. Wytham, buff, large.
Mrs. Stancomb, yellow, tipped fawn.
Picta Fulgens, scarlet, tipped white.
Pioneer, dark maroon, nearly black.
Puritan, white tinted lavender, crimson spots.
Robin Adair, brown buff, excellent and desirable.
Royal Queen, creamy ground, edged purple.
Woman in White, creamy white.

POMPON DAHLIAS.

10 cts. each. \$1.00 per doz. Set of 20 for \$1.50.

Pompon or Lilliputian Dahlias include all small flowering varieties.

Admiral Dot, light ground, edged crimson, closely quilled.
Ariel, orange buff.
Black Dude, dark maroon.
Challenge, crimson, tipped white, very variable.
Darkness, maroon, nearly black.
Fashion, light orange.
Goldperle, yellow and brick red.
H. Milesky, shaded crimson.
Ida Fisher, rose and white.
John Lucaks, orange red and white.
Kleine Domatea, orange.
Little Bobby, rich crimson.
Little Daisy, rose and white, very fine.
Little Jack, rich crimson maroon.
Little Rifleman, maroon, blotched white.
Mabel, amber.
Rosalie, primrose, often edged pink.
Vivid, orange scarlet.
White Pompon, white.
Winifred, light ground, tipped rose.

CACTUS DAHLIAS.

Cactus Dahlias are characterized by long, pointed, somewhat revolute petals.

Varieties at 10 cts. each, six for 50 cts.

Bertha Mawley, cochineal.
Cannell's Gem, red, shaded orange.
Countess of Radnor, amber, pink and silver.
Juarezii, scarlet, the original "cactus" dahlia.
Mrs. Bennett, soft crimson.
Robert Cannell, magenta.

Varieties at 20 cts. each, twelve for \$2.00.

Delicata, pink, with light center.
Ernest Glasse, purplish magenta.

Arthur Cheal, rich purplish crimson.
Gloriosa, crimson scarlet.
Harmony, reddish bronze.
John H. Roach, soft yellow.
John Welch, glowing crimson.
Mrs. A. Peart, creamy white.
Mrs. Gordon Sloane, pinkish terra cotta.
Prof. Baldwin, orange.
Miss Annie Jones, scarlet.

DECORATIVE DAHLIAS.

10 cts. each. \$1.00 per doz. Set of 20 for \$1.50.

Decorative Dahlias include all large, loose flowering varieties that do not properly come under the Show, Fancy or Cactus classes. They have often been sold as "Cactus" dahlias, but really are intermediate between the Show and Cactus forms.

Amphion, chrome yellow.
Centennial, crimson and maroon.
Charming Bride, white, tipped rose.
Claribel, rosy purple.
Constance, white.
Countess of Pembroke, soft lilac.
Darwin, rich crimson.
Edmund Weekesly, crimson and maroon, large.
Empress of India, dark maroon.
Glare of the Garden, bright scarlet.
Harry Freeman, white.
Honoria, amber.
Launcelot, orange.
Maid of Kent, crimson and white.
Mrs. Basham, soft yellow and pink.
Mrs. H. Carter, white and lilac.
Mrs. Keith, fawn and pink.
St. Catherine, reddish amber.
Wm. Pearce, butter yellow.
Yellow A. W. Tait, yellow.

SINGLE DAHLIAS.

Assorted in colors, 10 cts. each, \$1.00 per doz.
Persons unacquainted with the names and characteristics of varieties, will do well to leave the selection to us.

WE DELIVER FREE TO ANY POST OFFICE, BULBS, PLANTS, ETC., UNLESS OTHERWISE NOTED.

Novelties and the . . .
Best of Older Varieties.

SMALL FRUIT PLANTS.

Our Prices Place These
Plants Within Reach of All.

THE stock which we offer is all vigorous, healthy and true to name, guaranteed to be well packed, and to arrive safely, alive and in good condition, at any post office or railroad station (as ordered), providing it is not delayed or injured in transit. In case any complaint is made, it must be within ten days after receipt of goods, and we cannot be responsible for plants dying afterward, through neglect or any other cause. When ordering both plants and seeds, customers will greatly oblige us if they will put order for seeds on enclosed order sheet, and that for plants on separate one. When we receive orders for both, the seeds will be sent at once, the plants later (at our usual time of shipping, unless otherwise specified), and always in a separate package. The shipping season commences as soon as the frost is out of the ground, usually some time in March, and continues until the last of April. By mail we send all plants of mailing size, postpaid, as quoted below. By express we send all plants which are too bulky or heavy to go by mail, and orders for large quantities, customers paying charges.

New White Blackberry.

THE ICEBERG.

The Paradox of the Fruit World. A Scientifically Bred, Pedigreed Berry. Raised by Luther Burbank, the "Wizard of Horticulture," whose originations have world-wide fame and value.

FRUIT DELICIOUS AND BEAUTIFUL.



VINE HARDY AND PRODUCTIVE.

The following is Mr. Burbank's own description, and its accuracy will be vouched for by all who know him, as he is commendably conservative in all that he says about his creations. In his desire to mislead no one, he leans rather toward under-rating than exaggerating the value of his originations. He says: "Owing to the somewhat unsatisfactory qualities of White Blackberries so far known, the impression may have been entertained by some that no White Blackberry could be as productive and hardy, with berries as early, abundant, large, handsome and delicious, as the best black ones."

"The well-known Lawton is, when ripened, unsurpassed, and very generally known as the most productive market berry. Owing to its fixity of race, it will reproduce itself from seed almost exactly, and its seedlings will not be influenced, when raised from seed pollinated by other varieties, but it readily imparts its good qualities when employed as the staminate parent. One of the great grandparents of "Iceberg" was Lawton. The first generation of seedlings, when crossed with Crystal White, was all black; the second also, though varying much in other respects; but the third produced this wonderful plant, bearing the snowiest white berries ever seen."

"Clusters, larger than those of Lawton; berries, least as large, earlier, sweeter, and more tender and melting throughout, though as firm as Lawton is when ripe."

The introducers say of this: "Another season's experience with it has only the more thoroughly confirmed our good opinion of the Iceberg Blackberry. It does not have the unsatisfactory qualities of the white blackberries heretofore known, for they have been of interest as curiosities only. In the Iceberg we have a berry above the average of other kinds in size and flavor, equaled by only a very few in hardness and productiveness and absolutely unequalled by any in handsome and attractive appearance. We especially recommend the Iceberg as a dessert fruit. What could be more enticing and appetizing, as well as delicious, than a dish of these transparent, crystal like berries, suffused with yellow cream? No blackening of the teeth and lips in eating this snowy fruit."

Hardiness is a point in which the Iceberg more than fulfilled the utmost expectations; the hard winters of '98-'99, with but little snow to protect them, injured more or less most varieties, but effected the Iceberg but very little.

As an early variety it is a decided acquisition, ripening more than a week ahead of the Taylor, and has the desirable trait of remaining a long time on the bushes in good condition, extending the fruiting period to fully a month.

It is of good size (averaging an inch in length). Like other blackberries, when not fully ripe, it is slightly bitter, but when fully ripe is sweet and delicious. In productiveness it is not excelled by any other variety.

By mail, postpaid, each 15 cents, 3 for 40 cents, dozen \$1.25. By express, not prepaid, hundred \$6.00.

The Giant Blackberry-Rathbun.

A giant among its kind, fruit measured 1 3/4 inches long and 1 3/8 inches in diameter; 45 berries filled a quart box, while it took 164 berries of Snyder-Blackberry to do it.

The Rathbun Blackberry has already become known, and has established a high reputation, and the fruit has brought a much higher price than any other blackberry of its kind at this time. This plant is a strong, erect grower and unlike most varieties produces but few suckers. It is not a Dewberry, nor is there the least evidence that there is a mixture of Dewberry in the plant, as no Dewberries were cultivated on the place or in the neighborhood where it was originated. The fruit in size and general appearance is well illustrated in the accompanying engraving. It grows on long stems in clusters, which enables it to be easily gathered. The berries are large and have no hard core; of the highest flavor. It has been sent a distance of some 36 miles, by wagon and rail, going through in fine condition and selling in preference to the best other varieties in market and bringing a higher price.

Cornell University, College of Agriculture.

L. H. BAILEY, Professor of Horticulture, Ithaca, N. Y., says:

The Rathbun Blackberry is now in full fruit, and we are very much pleased with it. It is mid-way between a blackberry and a dewberry in habit, as also in earliness. The berries are exceedingly large, glossy, jet black, and of good quality.

By mail, postpaid, each 15 cents, 3 for 40 cents, dozen \$1.20. By express or freight, not prepaid, hundred \$6.00.

SIZE ENORMOUS.



QUALITY THE BEST.

Standard Varieties.

By mail, postpaid, each 8 cents, dozen 70 cents. By express or freight, not prepaid, hundred \$2.50.

Early Harvest, one of the earliest. Erie, a strong grower and favorite market variety. Kittating, an old popular favorite. Wachusett, thornless, a very popular sort.

CULTURE. Plant in rows 6 to 7 feet apart, 3 to 5 feet in the rows. To get a full crop of good fruit, a good soil is needed (not exceedingly rich), and thorough cultivation the first year, and the second, up to the time the fruit begins to ripen. Pinch back the canes when 4 feet high. The second year and after, if for any reason, the fruiting canes do not seem strong, pull out nearly all the young shoots when 1 or 2 feet high. Enough will come later. This throws the growth to the fruit. Failure to produce and perfect a crop is often due to excessive growth of young wood. A grower of long experience, in New Jersey, says that he finds that the later vines are kept growing and healthy, the better they stand the cold. It is safer not to prune until the fruit is set, and then leave what is needed for a crop. Leave laterals 12 to 18 inches long.

The Logan Berry--(Raspberry-Blackberry).

A decided novelty. Fruit size of large blackberry, similar in form and shape; color dark but bright red, has the flavor of both the blackberry and raspberry, mild and pleasant; good for table and for canning or jelly, has but few seeds. Bush of trailing habit, like the Dewberry. Not entirely hardy, but easily protected. Very satisfactory as a novelty and useful as well. All interested in fruit novelties should have a few plants.

By mail, postpaid, each 10 cents, 3 for 35 cents, 6 for 65 cents; dozen \$1.25.

Dewberry--The Lucretia.

A low-growing, trailing blackberry, perfectly hardy, healthy and very productive. The fruit is equal in size to most of the tall-growing sorts, is often 1 to 1 1/2 inches long, 1 inch in diameter, and is soft, sweet and luscious. Ripens early (before raspberries are gone). Should be mulched to keep berries from the ground. Well worthy a place in every fruit garden.

By mail, postpaid, each 10 cents, 3 for 25 cents; dozen 75 cents. By express or freight, not prepaid, hundred \$1.50.

Give the Blackberry GOOD CARE and You Will Be SURPRISED at the Large Quantity of Fruit.

Your Groceryman Will Always Be Glad to Take Any SURPLUS You May Have.

New Raspberry - The Cumberland.

The Business Black Cap. Largest Black Raspberry Known.



Another year's trial permits the introducer to say that "not a single instance has come to our knowledge where the Cumberland has failed to give the most thorough satisfaction." We offer it with the belief that it is the **most profitable variety for market yet known**. It well deserves the name of Business Black Cap. It is **perfectly** hardy, having undergone a temperature of 20 degrees below zero, unprotected, without injury, weather which badly crippled other varieties. For productiveness nothing exceeds it; few, if any, equal it. During the dry and unfavorable season just past it produced 6,000 quarts per acre, the Ohio under same conditions yielding but a little more than one-third that amount. In size it is simply enormous; in quality unsurpassed. Ripening after the Palmer and Tyler, and preceding the Gregg, it may be termed a mid-season variety. It is a vigorous grower, throwing up stocky canes well adapted to support its loads of fruit. A dealer in Harrisburg, Pa., writes that he handled some of the fruit and easily sold it for 10 cents per quart, when fruit of other varieties were selling at 5 to 7 cents.

By mail, postpaid, each 10 cents, 3 for 25 cents; dozen 80 cents. By express or freight, not prepaid, hundred \$5.00.

The Columbian Raspberry.

Somewhat resembles the Shaffer, but a decided improvement, has been in cultivation about ten years, has been tested at many experiment stations, and always with most flattering results. Supposed to be a cross of Gregg and Cuthbert, two excellent varieties. The fruit is large, often an inch in diameter, and of the best quality. Color dark red, bordering on purple. The bush is of remarkably vigorous and stocky growth, attaining a very large size, often 10 to 14 feet high, and very hardy. Foliage is heavy, remaining on bushes until killed by frost. Although classed with red varieties, it never suckers from the roots, but propagates from tips, like the Black Cap. It is not excelled for productiveness and is considered by many the best all-round variety for market or home use. We have a fine stock of strong plants.

By mail, postpaid, each 10 cents, 3 for 25 cents; dozen 75 cents. By express or freight, not prepaid, hundred \$2.25.

The Strawberry Raspberry.

A very distinct and unique variety, which originated in Japan, and is said to be a cross between the strawberry and raspberry. The general appearance of the plant and fruit is such as to bear out this statement, being a compromise between the two. The plant is of low and spreading growth, and perennial, dying down each season and springing up early the following one. The fruit is midway between the strawberry and raspberry in shape, and in color a brilliant red, quite glossy, very attractive to the eye, ripens early and keeps well. In quality it is not up to the standard table varieties, but is, however, good for cooking or preserving. The brilliant fruit and large white blossoms profusely produced among its bright green and peculiar shaped foliage make this a very conspicuous and attractive plant, and entitles it to a place in the garden simply as an ornament. The roots are entirely hardy, needing no protection. By mail, postpaid, each 10 cents, 3 for 25 cents, 6 for 40 cents; dozen 70 cents.

Japanese Golden Raspberry Or Golden Mayberry.

A Variety which Ripens its Fruit before the Strawberry.

Another of Mr. Luther Burbank's wonderful creations which was obtained by crossing the Cuthbert with an early wild variety from Japan. It is conceded by all that Mr. Burbank is given to under-rating rather than over-rating his creations. We quote from his catalogue a description:

"The earliest known raspberry. The berries are of a golden straw color, as large as Cuthbert, and ripen a month before Hansell, before strawberries, and before the earliest of the standard raspberries. The bushes are distinct from all others, growing like trees, six to eight feet high, with spreading tops; and all along the branches large, white, well-shaped blossoms are pendant, which are soon followed by the great, sweet, glossy, golden, semi-transparent berries."

By mail, postpaid, each 10 cents, 3 for 25 cents, 6 for 45 cents; dozen 80 cents.

Raspberries--Black.

In addition to our specialties we offer other popular varieties. Prices for any of these varieties by mail, postpaid, each 8 cents, 3 for 20 cents, 6 for 30 cents; dozen 50 cents. By express or freight, not prepaid, 100 \$1.75.

Gregg, one of the most popular black caps.

Mills, especially recommended for evaporating.

Ohio, hardy, vigorous grower, of good size and firm color.

Palmer, large and of good color.

Souhegan, large, very hardy, early and of fair quality.

Raspberries--Red.

STANDARD SORTS.

By mail, postpaid, each 8 cents, 3 for 20 cents, 6 for 30 cents; dozen 50 cents. By express or freight, not prepaid, 100 \$1.75.

Cuthbert, the most popular old variety; large, productive, of a rich crimson, very showy and of best quality.

Marlboro, very early, therefore popular in the north; color light crimson, firm and of good quality.

Shaffer's, large, purplish red, slightly acid.

We are Headquarters for Berry Baskets. See Index for Page Giving Descriptions and Prices. By the Hundred, Thousand or Car Load.

CULTURE, PLANT IN ROWS 5 FEET APART, 3 FEET APART IN ROW.

GENERAL CULTURE SAME AS FOR THE BLACKBERRY, WHICH SEE.

CURRANTS.

The Best Three.

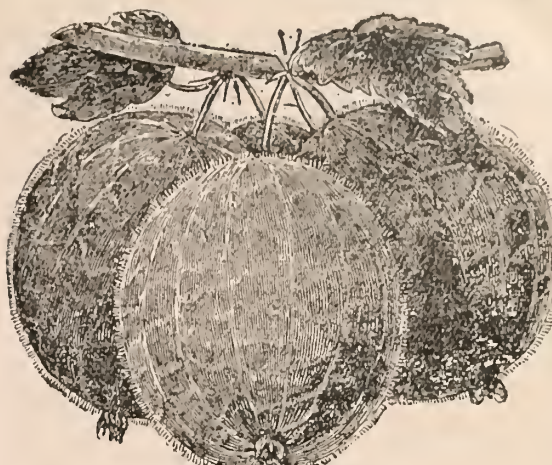
Fay's Prolific.—Fruit and bunch of extra and uniform size, very easily gathered, exceedingly productive and of fine flavor. A very popular variety for market rivaling the old favorite, the Cherry.

La Versailles.—Fruit large, bunch long, very showy and of excellent quality. One of the best.

Cherry.—An old well known sort. Fruit very large, bunches short, quality good. A very popular market variety.

Strong two-year-old plants. Too heavy to send by mail (except single specimens for samples.) Any variety by mail, postpaid, each, 10c. By express or freight, not prepaid, dozen, 60c.; 100, \$3.50

GOOSEBERRIES.



Downing.—An old well-known variety. Fruit large and handsome, pale green, of finest quality. A strong, vigorous grower, seldom affected by mildew. One of the best both for market and home use.

Houghton.—Fruit small to medium, pale red, of fine flavor. Plants of slender, spreading growth and enormously productive.

Smith's Improved.—Fruit large; pale, greenish yellow. Unsurpassed in quality both for

table use and cooking. Bush of moderate growth and exceedingly productive. By mail, prepaid, each, 15c.; by express or freight, not prepaid, doz., \$1.00

GRAPES.

Orders should be received by April 1st.

BLACK VARIETIES.

Concord.—The old, well-known and deservedly popular variety. Succeeds wherever grapes can be grown.

Moore's Early.—Bunch and berry large. Vine very hardy and productive. Ripens early. Like the Concord, succeeds in nearly all sections.

Worden.—An exceptionally fine variety of the Concord type but earlier, bunch and berry larger, of better quality, and vine is hardier than that variety. In our opinion the best of all the black grapes.

RED VARIETIES.

Agawam.—(Rogers No. 15.)—Berries very large skin thick, sweet and sprightly; ripens early. Vine very vigorous.



Niagra Grapes.



FAY'S NEW PROLIFIC RED CURRANT

Lindley.—(Rogers No. 9.)—Fruit medium to large, tender and sweet, ripens early.
Brighton.—Berries above medium to large, of excellent flavor and quality. Bunch large and well formed. One of the earliest to ripen.

WHITE VARIETIES.

Niagra.—This variety has come to occupy about the same position among the white varieties as the Concord among the black. A leading market sort; bunch and berries large; greenish white, when fully ripe pale yellow; of good quality.

Moore's Diamond.—Berries above medium size; of excellent quality; has few seeds. Vine is similar to Concord in growth and foliage. Hardy and productive; ripens before Moore's Early. An excellent variety either for home use or market.

Pocklington.—Also a general favorite. Bunch and berries large, juicy, tender and sweet; when ripe light golden yellow. Vines very hardy and vigorous, free from mildew, productive. Strong plants of any above varieties by mail, postpaid, each, 15 cts.; 3 for 40 cts.; 6 for 75 cts. Dozen by express, not prepaid, \$1.00

STRAWBERRIES.

Those marked with (P) are pistillate (that is destitute of stamens) and one row in every five or six should be a perfect flowering variety to fertilize them, otherwise the fruit will be imperfect.

Faultless.—A new variety, selected from over 1000 seedlings. It is very late and distinctively a berry for home use and home markets. It is not claimed that it will be a profitable berry to ship long distances, but for a home berry and one to lengthen out the season it is the best known. It reaches its prime just when other varieties have passed. The fruit is unusually handsome, being very high colored, smooth, glossy and of a regular globular shape. It ripens very uniformly, so that one never sees a ripe berry with a green tip. In size the fruit far exceeds any other of its season. With very slight sorting 19 to 20 berries will heap a quart box, and 32 to 35 berries will do so without any sorting whatever. The combination of large sizes and regular form is quite uncommon. There are several other varieties at large, but nearly always of rough, irregular shape. By mail, postpaid, dozen, 85 cents; by express, not prepaid, 100 \$5.00.

Brandywine.—A large, late and handsome berry, conical form, dark, glossy red. Plant healthy, vigorous and productive.

Bubach (P.)—Of large and uniform size, regular in form and of good color. Plant remarkably vigorous and unsurpassed in productiveness. Probably more largely planted at present than any other variety.

Clyde.—Fruit large, firm and beautiful, of regular conical shape, never varying, and holds size to end of season. Color light scarlet. Considered by some good growers to be almost a perfect variety.

Crescent (P.)—An old, well-known sort. Fruit of medium size. Very productive.

Enhance.—Fruit large, firm; bright crimson. Plant strong and vigorous, foliage dark green.

Greenville (P.)—A favorite in all sections. Fruit roundish, firm; good for shipping. Plant thrifty and productive.

Jessie.—Fruit large and handsome, dark red. Plant strongly staminate, especially recommended for planting with pistillate sorts.

Margaret.—Under good culture produces berries extra large and holding size to end of season; shape usually conical; color dark red; season medium to late; quality the best. Plant thrifty and very productive. A good one.

Marshall.—A very handsome, high-colored berry of extra quality, ripening early. Plant strong, with high culture producing great crops.

Nick Ohmer.—One of the best. Originated in Ohio by a successful amateur grower whose description we quote: "The plant is very large and stocky, sending out plenty of very strong runners. It is probably not surpassed in healthy, vigorous growth and great productiveness by any variety. It has a perfect blossom. The fruit is of the very largest size, a giant among strawberries. It is never mishapen. Its only departure from the regular roundish conical form is when, under high culture, it is somewhat triangular. It is dark, glossy red, firm and of excellent flavor."

Parker Earle.—A late variety; medium to large; shape conical; color rich crimson; very firm; a good shipper. Plants very large; should be grown in hills. Throws up a large number of fruit-stalks loaded with berries. Needs a rich and moist soil.

Sharpless.—An old favorite, large, firm and sweet, light red.

Also the following which space does not permit us to describe:

Carrie, Maxwell, Ridgeway, Star, Seaford, Semple, Warfield, Wm. Belt, Wilson.

Any of above varieties (except Faultless) by mail, postpaid, dozen, 50c.; by express, 100, 90c.; 25 at 100 rate. Prices for larger quantities on application.

TIME FLIES SWIFTLY. SET out NOW small Fruits, Roses, Shrubs, and SOON have an ABUNDANT SUPPLY of Fruit and Flowers.

ROSES AND FLOWERING SHRUBS AND VINES.

NOVELTIES AND STANDARD VARIETIES.

Strong, Healthy, Well-Rooted Plants Delivered Postpaid to any Post Office in the United States
 ❀ ❀ Alive and in Good Condition for Growing. ❀ ❀

Before ordering read carefully what we say in regard to making of orders, time and manner of shipping, claims, etc., in reference to Small Fruit Plants. The same advice, directions and rules apply to the following, and customers will confer a favor and possibly benefit themselves by carefully regarding them.

ROSES.

All of our roses will be strong, thrifty, well-developed plants, from 2½ in. pots, equal in every respect, except size, to those generally sold at several times as much as our price. Plants of this size are yearly becoming more popular, and are often more satisfactory to many requiring less work in planting out, and being fully as liable to live in the hands of inexperienced persons as larger ones. They are especially satisfactory when our very low price is considered enabling many to have a choice lot of roses who otherwise would not be able to afford them.



Margaret Dickson.

A GRAND NEW HARDY ROSE MARGARET DICKSON.

This new rose is a decided acquisition to our list of hardy roses and the best White Hybrid Perpetual. The flower is of magnificent form and very double; has the fragrance, beauty of form and wax-like texture of the tea roses; it is of a beautiful waxy white, sometimes with a very pale flesh centre, and shines with almost a pearly lustre; the petals are large, shell-shaped and beautifully recurved. The plant is a vigorous grower, a profuse and repeated bloomer and entirely hardy. A very satisfactory and desirable variety and should be in every collection.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.

THE CLIO ROSE.

A beautiful flesh-colored hybrid perpetual. Flower perfect in form with fine broad petals, beautiful at all stages of growth from the bud to the full open flower. Color a delicate satin blush with a light shading of pink at centre. Of vigorous habit and a free bloomer.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.

NEW HYBRID PERPETUAL HELEN KELLER,

Flower beautiful, large, full and fragrant. Color a clear bright satin pink of a distinct and pleasing shade. A free and continuous bloomer commencing to bloom early and continuing later than most of its class.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.

ONE EACH OF THE THREE VARIETIES 40 CENTS.

GENERAL LIST OF HARDY HYBRID PERPETUAL ROSES.

The plants of this class are perfectly hardy. The flowers are very large and double and many of them very fragrant. During their blooming season they afford a show of the most beautiful and brilliant colors not surpassed by any other class of plants; many of them also bloom occasionally until frost entitling them to the name Perpetual. While not as free bloomers as those of the Everblooming class their quality of entire hardiness make them more desirable to some. The following list contains those varieties conceded by rose growers to be the best of this class, and will afford a great variation in color and form.

Alfred Columb.—Flower very large, round and full; bright carmine crimson. A free bloomer and fragrant.

American Beauty.—Flower of the largest size with delicious fragrance. Color deep brilliant pink shaded toward centre with rich carmine crimson.

Coquette des Blancs.—Another very fine white rose of good form; has beautiful shell shaped petals.

Gen. Jacqueminot.—The leading dark red variety, too well known to require description. Rich crimson-scarlet.

Gen. Washington.—One of the finest bloomers of this class. Color a lovely scarlet sometimes shading to crimson.

Price of any of the above varieties, by mail, postpaid, each, 12c.; 3 for 35c.; 6 for 60c.; 12 for \$1.00

Anna de Diesbach, or Gloria de Paris.—Rich dark pink; large. One of the best hardy roses.

Baron de Bonstettin.—A leading dark variety. A lovely shade of red changing to maroon; blooms freely.

Coquette des Alps.—Flower large and full; pure white sometimes slightly tinged with pale blush; fine form.

A Good Collection of Roses About the Home Makes it Much More Desirable as a Home, and Certainly Increases its Value if the Owner Wishes to Sell It.

GENERAL LIST OF HARDY HYBRID PERPETUAL ROSES—Continued.

- John Hopper.**—Of the highest order; large and full; color bright rose with earmine centre. Increases in popularity year by year.
- Jules Margottin.**—An old variety; bright earmine; free bloomer.
- Mad. Charles Wood.**—Flower large; color rich, bright crimson; a continuous bloomer.
- Magna Charta.**—A favorite; color bright pink; large. Popular not only because of its lovely flower but for its strong, vigorous habit and bright foliage as well.
- Marshall P. Wilder.**—A fine, dark red variety. Flowers large, perfect in form and long stemmed. Plant strong and healthy; a prolific bloomer.

- Mrs. John Laing.**—Large and finely formed; soft, delicate pink. A free bloomer late in the season.
- Paul Neyron.**—Probably the largest flower of all roses, and one of the freest bloomers; color deep rose. Plant a vigorous grower.
- Prince Camille de Rohan.**—Very dark velvety crimson changing to maroon. Large and of fine form; a prolific bloomer; very attractive.
- Ulrich Brunner.**—An early and continuous bloomer; large and of good form; color cherry red.

Price of any of the above varieties by mail, postpaid, each, 12c.; 3 for 35c.; 6 for 60c.; 12 for \$1.00

LA FRANCE COLLECTION OF HARDY ROSES.

The well-known La France Rose stands pre-eminently the first among roses. None other is sweeter; none surpasses it in delicacy of coloring or perfect form. Very large and double; color a beautiful silvery rose shaded with cerise pink; an exceptionally profuse and continuous bloomer. The La France has from time to time produced sports having the same characteristics as the original except color. We offer three of them in addition to the original.

- Red La France.**—(Duchess of Albany.)
 - White La France.**—(Augustine Guinoisseau.)
 - Striped La France.**—(Mad. Angélique Veyssett.)
- By mail, postpaid, the set of four for 35c.; each 10c.

THREE VERY DESIRABLE ROSES—THE SOUPERT SET.

These beautiful roses are truly perpetual bloomers. Claimed by some to be perfectly hardy; they, at most, need but slight protection to stand the most severe winter. While the flowers are not large they are produced in such endless profusion and are so finely formed, as to make them most decidedly desirable.

- Clothilde Soupert.**—(Tea Polyantha.)—One of the best known and most popular roses of this class. As free blooming as it is possible for rose to be, will bloom when but three or four inches high, and with good culture will never be without flowers. The flower is of medium size, double and of beautiful form, oval at first but flattening as it expands; color a pearly white at outer edge, shading to centre of rosy pink, varying sometimes from pure white to silvery rose on the same plant. Very fragrant.

- Pink Soupert.**—Also commences to bloom when quite small and, like the Clothilde Soupert, a perpetual bloomer. The flower is handsomely formed, double, and has a delightful tea fragrance; color deep, rich pink. One of the best pink bedding roses.
- Yellow Soupert.**—(Mosella.)—Very similar to its parent, Clothilde Soupert, except in color. Combines the form and size of the Teas with the free blooming habit of the Polyanthas; blooms in clusters; color light yellow shading to white at edge of petals.

By mail, postpaid, each, 12c.; the set of three for 30c.



Caroline Marniesse.

THE
CAROLINE MARNIESSE ROSE.

NOT A NEW VARIETY BUT WELL WORTHY
OF SPECIAL MENTION. ❁ ❁ ❁ ❁ ❁ ❁

This rose belongs to the Noisette class. We note that experts differ considerably in their opinion regarding the hardiness of the Noisettes, some placing them all under the tender or half-hardy class, while others insist that at least some of them are hardy or very nearly so, in most sections, at most requiring but slight protection in extreme climates. We quote a well-known nursery firm's description of this rose which includes their opinion of its hardiness:

The Caroline Marniesse, although originated some years ago, has never become well enough known to receive the general cultivation that it so richly deserves.

As a perpetual bloomer we have never found its equal. Even during a recent dry season, when most of the other so-called perpetual bloomers were so affected by the drouth as to show scarcely any blossoms, the rows of Caroline Marniesse were a continuous mass of bloom. There was not a week from late May till the middle or latter part of October that large quantities of blossoms could not have been picked from these plants. And under even ordinarily good conditions of cultivation, purchasers of this rose may depend upon having equally good results. The Noisette class was increased quite largely by crosses with various Tea roses, and as these hybrids (classed as Noisettes) are tender or only half hardy, many people have the idea that all Noisettes require protection during winter. With the true Noisettes, of which Caroline Marniesse is one, this is not the case. They are perfectly hardy, and the Caroline Marniesse especially may be depended upon to succeed even in severe climates. The habit of growth is low and somewhat spreading, making it especially valuable for the borders of beds. It is also very effective for massing in any position. The blossoms are a beautiful blush-white, and are produced in great abundance, the plants often being literally covered with them. They are of medium size, very double and very sweetly tea-scented.

Taking into consideration then, these sterling qualities of hardiness and continuous blooming, which are combined to so high a degree in no other variety, we confidently recommend the Caroline Marniesse to all lovers of that queen of flowers, the Rose.

To the average amateur especially, who, while he appreciates and delights in the wonderful flowers, has little time or study to give to their culture, this rose will prove a most valuable acquisition.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.

GENERAL COLLECTION OF EVERBLOOMING BEDDING ROSES—TEAS AND HYBRID TEAS.

Those marked with (*) are hardy or nearly so requiring but slight protection with leaves or straw. A very needful class, popular and deservedly so on account of their free blooming qualities, exquisite fragrance, and beautiful delicate colors.

We have aimed in the following list to select those varieties which have proven to be the most satisfactory of their class.

- ***Agrippina.**—Rich, velvety crimson, a good bedder and continuous bloomer.
- ***Bon Silene.**—A great favorite on account of its delicious fragrance and vigorous habit; particularly desirable as a bud. Brilliant Carmine.
- The Bride.**—Flower extra large, perfect in form, and of delicious fragrance; pure white buds, very handsome, long and pointed. One of the most popular White Teas.

- Catharine Mermet.**—One of the finest roses in cultivation; buds very large and globular; petals recurved showing the lovely pink of the centre which gradually shades to light pink to the outer edge. A strong grower, free bloomer, and fragrant.
- ***Champion of the World.**—A cross between Magna Charta and Hermosa. Flowers deep rosy pink and perfectly double. A perpetual bloomer.
- ***Clothilde Soupert.**—A good bedder and fine for pot culture. Color pearl white tinted at centre with rosy pink.
- ***Etoile de Lyon.**—Of vigorous habit and a continuous bloomer. Color a pure canary yellow. A good bedder.
- ***Hermosa.**—An old favorite; always in bloom; color a beautiful shade of pink; very fragrant. Very desirable either for bedding or pot culture.

Any of the above varieties by mail, postpaid, each, 10c.; 3 for 25c.; 6 for 60c.; 12 for \$1.00

EVERBLOOMING BEDDING ROSES.—Continued.



NIPHETOS ROSE.

Kaiserin Augusta Victoria.—A desirable rose; has the form of Catharine Mermet. Color pure white with yellow centre.

***Lad. Hoste.**—Highly prized as a cut flower on account of its beautiful buds. Color soft canary yellow shaded at base of petals with amber. A free grower and constant bloomer.

Marion Dingee.—One of the best dark colored, ever blooming bedding roses. Flowers good sized, cup shaped. Color deep crimson changing to carmine when mature. A profuse bloomer.

***Mrs. de Graw.**—A fine bedder, flowering from early summer until frost. Flowers large, very fragrant, produced in clusters. Color rich pink.

Niphetos.—An old variety, still very popular. One of the best pure white Tea Roses. Bud long and pointed opening into a fine large flower. Highly prized on account of its delicious fragrance.

Papa Gontier.—Popular on account of the size and beautiful form of its buds, which are borne on long stems, making it desirable as a cut flower. Color rich carmine.

Perle des Jardins.—Probably no other yellow rose is as well known. Of good form; a profuse bloomer; and free grower. Rich yellow.

***Pink Soupert.**—A handsomely formed rose, double, with a delightful tea fragrance. A profuse bloomer, commencing early and continuing a long time.

Safrano.—An old favorite; saffron yellow changing to fawn; frequently rose tinged. Popular on account of its fragrance and beautiful buds.

Souvenir de Mal Maison.—Flower large, double and very fragrant, of a bright creamy flesh color. Very satisfactory either as a pot plant or for garden culture.

***Souvenir de President Carnot.**—One of the latest varieties from France. A decided acquisition. A strong growing tea with large and handsome leaves. Flower very large, double, of beautiful form, and deliciously fragrant. Color a rose-blush, darker at centre. A free bloomer.

Any of above varieties by mail, postpaid, each, 10c.; 3 for 25c.; 6 for 60c.; 12 for \$1.00



Empress of China.

HARDY CLIMBING ROSES.

Empress of China.—A new and very valuable perpetual blooming climber. Commences flowering the last of May and, except under some especially trying circumstances, such as protracted drouth, it will bloom repeatedly till very late in the fall. In vigor of growth it is unsurpassed. The flowers are small but very delicate and waxy; somewhat fragrant and are borne profusely. The bud is of especially pretty form, being pointed, very shapely, and of just the right size for the buttonhole. The open flower is nearly double, and has much the appearance of a Tea rose. The color is dark red in the bud, and changes as the flower opens and grows older, to a lighter red or pink, like an apple blossom.

Each, 15c.; 3 for 40c.; 6 for 75c.

Baltimore Belle.—An old favorite; very double; blush white; blooms profusely in large clusters.

Greville, or Seven Sisters.—Blooms in clusters, varying in color from white to crimson.

Mary Washington.—A perpetual bloomer. Flowers of medium size, double, long stemmed, of musky fragrance. Very desirable.

Russell's Cottage.—Dark, Velvety crimson; very double; a profuse bloomer.

Queen of the Prairie.—An old well-known popular rose. Bright rosy red; large flower.

Any of the above five by mail, postpaid, each, 12c.; 3 for 35c.; 6 for 60c.



The Rambler Roses—CRIMSON, WHITE, YELLOW, PINK.

The Crimson Rambler has grown in favor so rapidly that it hardly needs any description. No flower sprang into popularity quicker and none deserve favor more. Coming to this country with the most extravagant praise, extended trials have only proven that the claims made for it, by its friends across the water, were none too strong. A rapid, vigorous grower and perfectly hardy, producing in great profusion flowers of superb color, borne in pyramidal shaped trusses of great size, often measuring seven inches across. It holds its color remarkably, remaining strong and vivid to the end. So profuse a bloomer is it that, when at its height, the plant is simply a mass of crimson.

The White Rambler. (Thalia.) This is a fitting companion for the Crimson closely resembling it in many respects; produces flowers in clusters; pure white, double, of medium size and deliciously fragrant. As hardy as the Crimson.

The Yellow Rambler. (Aglai.) A decided acquisition there having been for a long time a demand for a hardy yellow climber. The Yellow Rambler promises to meet this demand, having successfully withstood a continued temperature of two degrees below zero, without protection, proving it to be far hardier than any other yellow climbing rose. It is related to the Crimson Rambler, and like it, blooms in large trusses sometimes bearing one hundred and fifty flowers in a cluster, which are very fragrant and last from three to four weeks.

The Pink Rambler. Also a desirable companion for the above varieties and from the same source as the White Rambler, both being seedlings of Rosa Polyantha crossed with Parquetette. It equals the others in profusion of flowers and in vigor and hardiness of plant.

By mail, postpaid, any variety, each, 12c.; 3 for 35c.; 6 for 60c. The set of four for 45c.

DO NOT COVER VARIETIES NEEDING PROTECTION TOO EARLY. WAIT UNTIL AFTER HARD FROST.

NEW ROSE—THE MEMORIAL. (ROSA WICHURIANA.)

A beautiful Japanese variety, of creeping and trailing habit like the ivy, and because of this habit especially recommended for use in cemeteries. We know of no plant more appropriate or beautiful for this purpose. Of very rapid growth when established, often sending out shoots ten feet in length in one season, and forming a dense mass of beautiful dark green foliage. The flowers, which are produced in great profusion, are single, pure white with yellow stamens, and very fragrant.

As useful and appropriate as this rose is for cemetery work, its use is not by any means confined to that, but, like the following variety, the Dorothy Perkins and the other Hybrids of Rosa Wichuriana, it has many and varied uses. Planted singly and trained to a stake, its long sprays of flowers make a beautiful sight. It can also be trained over gateways, fences, stone walls and trellises and is a unique variety as a pot plant. It has already been largely planted in some parks in such places as was desirable to cover quickly with verdure. It is hardy and thrives well in all situations.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c

THE NEW HYBRID WICHURIANA ROSE—DOROTHY PERKINS.



In Vigor and habit of growth the "Dorothy Perkins" is a true descendent of Rosa Wichuriana. Like the latter, its natural habit is to trail flat along the ground although it is also susceptible of being trained over arches or other supports. It is remarkably vigorous in growth, often making shoots ten to fifteen feet in length in a single season. The flowers are very sweetly scented, a characteristic not possessed by most other roses of this class.

The Foliage is of a rich deep green, of thick, leathery texture, and remains on the plant in perfect condition till well on into the winter, making it almost an evergreen variety.

By mail, postpaid, each 25c.; 3 for 60c.; 6 for \$1.10

Since the introduction of Rosa Wichuriana from Japan a few years since there have been many hybrids from it raised and introduced. Competent judges say that after testing the "Dorothy Perkins" for three years they are thoroughly convinced of its superiority to any other roses in its class of the same or anywhere nearly the same color. Convinced of its value we thought it well worthy of introduction. The Dorothy Perkins was one of a lot of some 200 hybridised seedlings of Wichuriana and is thought to have been crossed with Mme. Gabriel Luizet.

Hardiness. In this important point nothing more could be desired. Two unusually severe winters failed to injure the plants in the least, although during one of them the temperature went as low as twenty degrees below zero and there was not the usual snowfall to protect them.

The Flowers are of large size for this class of rose, usually about one and one-half inches across; are borne in clusters of from six to ten and are very double; the petals are very prettily rolled back and crinkled; the buds are remarkably pretty, being pointed in shape and of just the right size for the button-hole.

The Color is a most beautiful clear shell-pink and holds a long time without fading. Even when the flowers commence to fade the color is still pleasing, being then a lovely deep rose.



Dorothy Perkins.—(Cluster.)

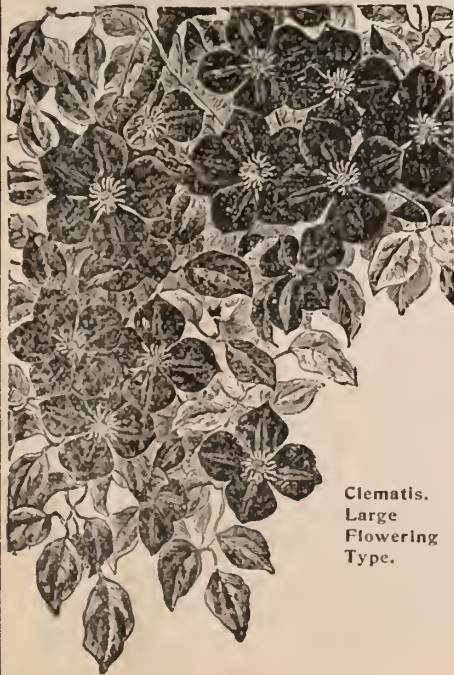
OTHER TRAILING ROSES.—(Wichuriana Hybrids.)

A beautiful class of roses, of trailing habit, especially useful for the trellis, arbor or rockery, and for training over unsightly fences, etc. The foliage is of a rich glossy green, thick but finely cut.

- Panda's Triumph.**—Flowers produced in clusters; large; double; pure white.
- Pink Roamer.**—Flowers single, pink and very fragrant. A hybrid of the Sweet Briar which it resembles in bloom, while its rampant growth is more like the Wichuriana.
- South Orange Perfection.**—Flowers soft, bluish pink; of perfect form; double; about one and one-half inches in diameter; very free flowering.
- Universal Favorite.**—Flowers a deep rose; two inches and over in diameter; double and very fragrant. Plant a strong, robust grower with splendid deep green foliage.

By mail, postpaid, each, 12c.; 3 for 35c.; 6 for 60c.

HARDY CLIMBING VINES.



Clematis.
Large
Flowering
Type.

Ampelopsis Veitchii.—(Boston Ivy or Japan Ivy.)—A beautiful, entirely hardy vine. Clings tightly to stone, brick or wood without other support. Largely used on churches and public buildings. The leaves, which in summer are a beautiful deep green changing in the fall to the most gorgeous crimson and orange, lap over one another giving the object on which the vine is clinging the appearance of being shingled with the ivy and presenting a most beautiful effect. Growing in popularity every year.

By mail, postpaid, each, 15c.; 3 for 35c.; 6 for 60c.

Clematis.—One of the most ornamental classes of climbers. Some varieties are very popular and well deserve to be, and all of the following varieties are worthy a place about the home and will be found very satisfactory. Owing to the bark of the Clematis being very brittle it cracks easily and thereby causes many to think that the plants are permanently injured when such is not the case. We take great care in selecting plants that are in good condition, and guarantee to send only such plants, and if they die after being planted (as will sometimes happen) we cannot agree to replace them. We have in years gone by sold growing plants of Clematis in small pots for from fifty cents to one dollar that have not proven to be as satisfactory as these which are dormant. At the low price at which we offer these we think that customers can well afford to take some chances. They are of easy culture when once established, but need a slight protection the first winter.

- Duchess of Edinburg.**—Flowers double, white, of medium size; a free bloomer.
- Henry II.**—Flowers creamy white, large; a strong grower; very hardy and a perpetual bloomer.
- Jackmanii.**—The best known variety, probably more largely grown than all others combined. Flowers intense, violet purple, very large with a velvety appearance. In bloom continually from July until frost.
- Mad. Edouard Andre.**—Flowers in color the nearest approach to a bright red and is sometimes called the Crimson Jackmanii. Of good size and borne profusely; very attractive and entirely distinct.
- Mad. Baron Veillard.**—Flowers light rose with lilac shading; very distinct.
- Paniculata.**—A sweet-scented variety from Japan. Vine of very rapid growth with glossy green foliage. Flowers pure white, borne in panicles, of medium size and fairly cover the plant. One of the most desirable fall blooming vines.
- Ramona.**—Flowers a deep sky blue, large; a rampant grower and perpetual bloomer.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.

HONEYSUCKLES.

Hall's Japan.—Flowers white changing to yellow, very fragrant; blooms from July to November. The foliage remains green for a long time after frost.

- Monthly Fragrant.**—Flowers red and yellow very fragrant, blooms all summer; foliage has a reddish tinge.
- Scarlet Trumpet.**—Flowers bright red, trumpet shaped; a rapid grower and continuous bloomer.

By mail, postpaid, each, 15c.; 3 for 35c.; 6 for 60c.

WISTERIA.

A great favorite, when in full bloom magnificent; a rapid grower and entirely hardy. **Chinese.**—(Sincensis.)—Flowers borne in long drooping clusters, pale blue; will sometimes produce a second crop of flowers in the fall. By mail, postpaid, each, 15c.; 3 for 35c.; 6 for 60c.

HARDY FLOWERING SHRUBS.



Hydrangea Paniculata Grandiflora.

DEUTZIAS.—A beautiful class of shrubs which seem to be adapted to any soil or location and which should be more generally cultivated. Of compact habit of growth and free bloomers.

Crenata fl. pl.—Flower white tinged with pink, double, borne in racemes four to five inches long. Plant a strong, rapid grower, from four to six feet high.

Gracilis.—Flowers pure white, bell shaped, borne on slender, graceful branches. Plants of dwarf, compact habit, two to three feet high, profuse bloomers. Also very desirable as a house plant for winter blooming.

By mail, postpaid, each, 15c.; 3 for 30c.

FORSYTHIA.—(Golden Bell.)

Fortunii.—The first shrub to bloom in the spring. Flowers bright yellow, borne on long graceful branches; foliage deep green. A very profuse bloomer.

By mail, postpaid, each, 15c.; 3 for 30c.

HYDRANGEA PANICULATA GRANDIFLORA.—The most popular hardy shrub in cultivation, and deservedly so; probably more planted each year than all other shrubs combined. Very beautiful and striking in effect whether planted singly or in masses or hedges. The plant succeeds in any soil or location but produces much finer and larger flowers if grown in a good rich soil. Blooms profusely from July until frost, the flowers remaining on the plant, in perfect form, well into the winter; they are borne in immense panicles forming enormous trusses often ten inches long, and are, when first opened, white changing to pink, continually deepening until at maturity they are almost copper colored. The mature flowers can be cut and used in the same manner as everlasting flowers, retaining their natural beauty for a long time. To purchasers not familiar with its care a word of advice will not be amiss in regard to pruning. It is seldom pruned enough; nurserymen generally recommend that it be cut back in the spring fully one-half of the previous season's growth. In our opinion it should be more than that, two buds being sufficient to leave. This will make the flowers much finer and larger and prevent the breaking of the bush which so often happens when it is not pruned.

By mail, postpaid, each, 12c.; 3 for 30c.; 6 for 55c.

HONEYSUCKLES.—(Upright.)

Mongolian.—(*Hedysarum Multi Jugum.*)—Introduced from Mongolia. Hardy shrub attaining about five to six feet high, branching well at the base; flowers deep violet-red, disposed in clusters one to one and one-half feet long, most floriferous, beautiful novelty, blooming from March until the frost sets in.

Red Tartarian.—An ornamental bush with beautiful fragrant pink and rose colored flowers; foliage dark green.

White Tartarian.—Similar to the preceding but has white flowers. A fine effect can be obtained by planting the two together.

By mail, postpaid, each, 15c.; 3 for 30c.

SNOWBALLS.—(Virburnum.)

Japan.—(*V. Plicatum.*)—This is an improvement on the old common snowball so generally grown, of lower and more compact growth and has more foliage; grows from eight to ten feet high; blooms in June and for a long time is a mass of white.

By mail, postpaid, each, 15c.; 3 for 40c.



Mongolian Honeysuckle, (Hedysarum Multi Jugum.)

SPIREAS.—Very graceful and desirable shrubs of easy culture and should be more generally planted.

Aurea.—Foliage bright golden yellow; small white flowers.

Billardi Rosea.—A strong grower producing long spikes of beautiful rose colored flowers.

Burnalda.—A very handsome variety from Japan; habit dwarf, blooms profusely, flowers rose colored.

Prunifolia.—The well-known Bridal Wreath; flower small, double, pure white.

Anthony Waterer.—A valuable variety; of dwarf, compact habit, fifteen to eighteen inches high; flowers deep crimson. A free and continual bloomer. Each, 15c.; 3 for 40c.

By mail, postpaid, each, 15c.; 3 for 40c.; 6 for 75c.; except where noted.

SYRINGAS OR MOCK ORANGE.—(Philadelphia.)—An old well-known favorite shrub, with white flowers which are very fragrant.

Garland.—(*P. Corinarius.*)—Shrub of medium size with white, sweet-scented flowers which are borne in great abundance.

Golden.—(*P. Aurea.*)—Has beautiful golden foliage and makes a striking and pleasing contrast when planted with other shrubs.

By mail, postpaid, each, 15c.; 3 for 35c.; 6 for 60c.

WEIGELAS.

Candida.—Flowers pure white, blooms profusely.

Rosea.—Flowers large, rose colored.

Variegata.—A very conspicuous and showy shrub; leaves margined with creamy white; flowers pink.

By mail, postpaid, each, 15c.; 3 for 35c.; 6 for 60c.

The Farm Journal.

We take it, read it, and like it, and are glad to speak a good word for it. Read carefully the Coupon enclosed in this catalogue. Take our advice and send for it. It has articles in it that will interest you. The FARM JOURNAL gives no chromos, puffs no swindle, inserts no humbug advertisements, and does not devote one-half its space to telling how good the other half is. It is published monthly, and the regular price has been 50 cents a year, but by using the Coupon it can be secured for **five years for 50 cents.** In our opinion, no other paper approaches this liberal offer, giving so much for so little. (If more Coupons are wanted by your friends, write us.) Coupon enclosed between cover and first page.

Do Not Delay in Ordering. ALL ORDERS FOR ROSES, SHRUBS OR VINES **Should Reach us by April 15th, Earlier if Possible.**

General List

OF
STANDARD
VARIETIES



GROWN BY US, OR FOR US BY THE MOST RELIABLE GROWERS.

OUR AIM !

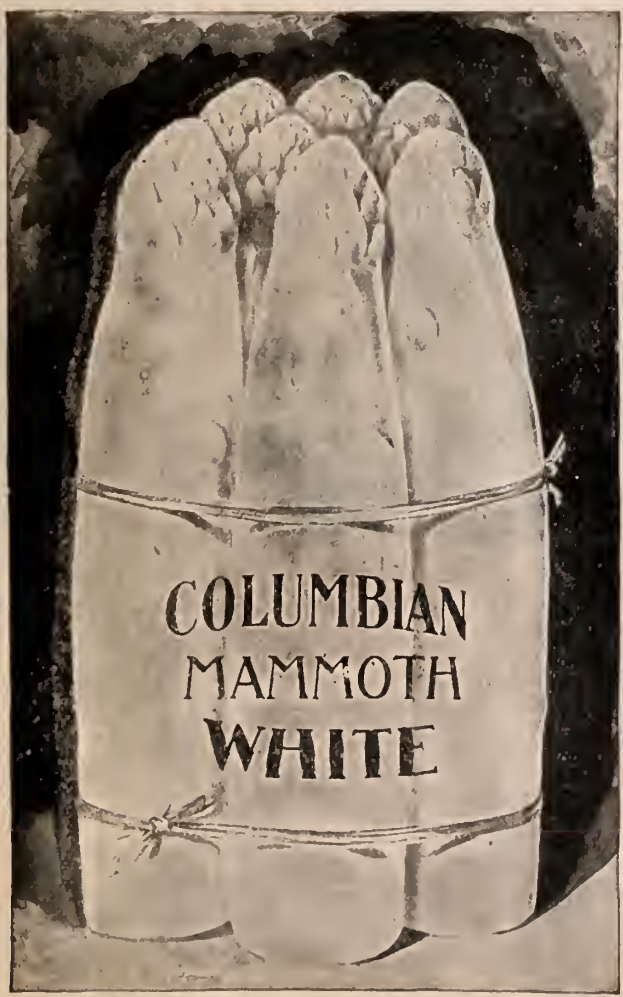
To Furnish Good Seeds of Pure Stocks and Tested Vitality at Fair Prices. * * * * *

Read Carefully



WE PAY POSTAGE on all Seeds in Packets, Ounces and Quarter Pounds, but postage must be added to all orders above

show that ours, after postage is added, are often lower than theirs. Notwithstanding that our method is opposed to that which seems at present to be the popular one, we are, on account of our large counter trade, obliged to continue it, because if we quoted prices to include postage, we should be obliged to deduct the amount of the postage from each article purchased at our counter, necessitating a needless waste of time when it is very precious. It must be evident to all who will give it a little thought that the postage must be paid by the customer in some way and that it really makes no difference to them as to how it is paid. As a matter of convenience to the dealer we believe he is justified in conducting his business under either or both methods, but he has no right to hold out as an inducement to purchase of him that he pays the postage because actually he does not, the customer does, and any attempt to make it appear otherwise is really one to make it appear that the customer gets "something for nothing." For our convenience we include postage in prices quoted on plants and bulbs unless otherwise noted, but also for our own convenience do not include postage in quoted prices on seeds except where noted, but the customer neither buys plants cheaper nor does he pay more for his seeds than if we simply reversed the methods, because under both methods, he really pays the postage.



All Seeds in bulk ordered sent by mail require a remittance for postage. For Beans and Peas—Quart, 15c., pint, 8c., 1/2-pint, 4c. For Corn—Quart, 10c., pint, 5c., 1/2-pint, 3c. For all seeds by the pound (above quarter pound) 8 cents.

A Change Not having been satisfied for some time with the prevailing custom of selling Beans, Peas and Corn in packets, because the quantity was so indefinite to the purchaser, we have therefore decided to make a change, and now offer these seeds (with a few exceptions) by the half pint instead of packet. This change will enable all to know just what they are buying and also often to get a much larger quantity of seed at a slightly increased cost—the postage only.

Special Offer ☼ READ CAREFULLY.

Purchasers of Seeds in Packets and Ounces when catalogue Price is not over 10 cents per Packet or Ounce are entitled to select seeds as follows:—

For 25c.	Seeds may be selected amounting to	35c.
For 50c.	" " " " " "	75c.
For \$1	" " " " " "	1.60

Bear in mind that this offer applies only to seeds in Packets and Ounces and only to those of which the price is not over 10 cents per Packet or Ounce and does not apply to seeds by the quart or pound. Customers therefore sending us mixed orders; that is, for Packets and Ounces and Seeds in Bulk, either by the Quart or Pound will only receive of the latter the quantity covered by the remittance after allowance has been made on the order for Packets and Ounces.

Asparagus Barr's Mammoth.—Originated in Philadelphia and very popular in that market. Claimed to grow twice as large and to be more productive than Conover's Colossal.

Columbian Mammoth White.—A distinct and valuable variety. Stalks are very large and clear white until three or four inches high.

Conover's Colossal.—An old standard variety, largely grown.

Donald's Elmira.—A new and popular sort, originated in Elmira, N. Y., by Mr. Donald. Claimed by some to be the largest and of the best quality of all varieties.

The Palmetto.—Claimed by the introducers to be much earlier and a better yielder than the Colossal, and more even and regular in growth.

ALL VARIETIES.—Pkt. 5c., Oz. 10c., 2 oz. 15c., 1/2-lb. 25c., lb. 75c.

Asparagus Roots Of Two years' growth. All varieties, by mail or express prepaid, per 50, 65 cents. By express or freight not prepaid, per 100, 80 cents; per 1000, \$5.50.

Before Ordering, if you will Carefully Read what we say regarding our Special Offer and Postage, it may save you A Disappointment or Delay.

BEANS. Dwarf or Bush. Green Podded.

EXTRA EARLY RED VALENTINE. The best of all green-podded string beans. Pods round, very tender and stringless. A general favorite with market gardeners. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

EARLY LONG YELLOW SIX WEEKS. An old standard variety, used both as a string and shell sort. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25.

EARLY CHINA RED EYE. Also an old and well-known variety. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25.

DWARF HORTICULTURAL OR SPECKLED CRANBERRY. The standard green shell bean throughout New England. Beans round, speckled and of good quality. Pods yellowish, splashed with red, and when free from rust and blight, very showy. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

BEST OF ALL. Beans similar in color to the Horticultural; long and smaller. Pods are six inches long, similarly marked, but not as bright and handsome. Of excellent quality and an abundant yield. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 75c, pk. \$1.50.

CRIMSON BEAUTY. Beans nearly identical in shape and color with the Best of All. Pods long, similar in coloring to the preceding two varieties but much brighter and showier than either. Vines also are freer from blight and more productive. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

GODDARD, OR BOSTON FAVORITE. Vines large, of vigorous branching habit, often having short runners. Beans similar in color to all Horticultural varieties, but longer. Pods long, yellow, splashed with crimson; very attractive and equal in size to many pole beans. Later than preceding varieties. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

BEANS. Dwarf or Bush. Wax Podded.

GOLDEN WAX. For a long time the standard wax bean and still a general favorite. Pods long, nearly straight, flat, golden yellow with short green points, stringless, fleshy and tender. Beans medium sized, oval, ground white covered more or less with purplish red, different crops varying considerably in appearance, owing probably to soil or location in which they were grown. Plant vigorous and productive.

BLACK OR GERMAN WAX. One of the oldest wax sorts, called by many Butter Beans. Pods round, meaty, tender, and of finest flavor, but small. More liable to rust than other good varieties, but when free from rust and blight, few varieties equal it in quality.

GOLDEN EYE WAX. We consider this variety one of the best wax beans for the market gardener. Although not equal in quality to some others, its hardiness, entire freedom from rust, earliness and productiveness make it a profitable variety.



GOLDEN EYE WAX.

DETROIT WAX. An excellent variety. Plants hardy, erect and productive. Leaves large, dark green. Pods straight, flat, but thick, broader than the Golden Wax, often greenish yellow when young, but of beautiful wax color when grown to a size suitable for use; keep crisp and bright long after picking, very seldom rust, and are of good quality. Beans white, with a patch of brown about the eye, similar in shape to the White Marrow, and equally as good for baking.



WARDWELL'S KIDNEY WAX. Kidney form; color white, with dashes of light purple about a white eye. A valuable variety.

DAVIS' WHITE KIDNEY WAX. Claimed by the introducers to be "earlier, harder, more prolific, handsomer, and a better seller than any of all the wax varieties."

CURRIE'S RUST PROOF BLACK WAX. Beans brownish black. Pods flat, of good length, showy, and of fine quality. Well merits the name of rust proof.

ALL WAX VARIETIES— $\frac{1}{2}$ Pint, 10c, Pint, 15c, Quart, 25c, 2 Quarts, 45c, $\frac{1}{2}$ Peck, 80c, Peck, \$1.50.

BEANS. Pole or Running.

HORTICULTURAL, OR SPECKLED CRANBERRY. A well-known standard variety. Beans similar to Dwarf Horticultural. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

BROCKTON HORTICULTURAL. This variety bears the same relation to the Pole Horticultural that the Goddard does to the Dwarf Horticultural. Beans and pods are both similar in shape and color to the Goddard. It is a vigorous, thrifty grower, productive, and well worthy a place in every garden. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

WORCESTER MAMMOTH HORTICULTURAL. Vines vigorous and healthy. Beans very large. The pods of the richest carmine. The most productive and the handsomest bean known. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

DUTCH CASEKNIFE. An old, well-known variety. Beans white, flat, kidney-shaped; pods very long. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 50c, $\frac{1}{2}$ pk. 90c, pk. \$1.65.

INDIAN CHIEF, OR BLACK WAX. One of the best wax pole sorts. Remains in bearing longer than the Dwarf Wax. Beans large, round, black. Pods of waxy yellow, remaining in good condition longer than most varieties. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 50c, $\frac{1}{2}$ pk. 90c, pk. \$1.65.

OLD HOMESTEAD, OR KENTUCKY WONDER. The earliest pole bean. Pods are very long, of a silvery green, entirely stringless, of good quality, and makes one of the best snap beans. It is enormously productive, the pods hanging in clusters from top to bottom of the pole. The beans are of a yellowish dun, of medium size, but owing to the length and number of the pods, the yield of beans is large. We think it will be found a very satisfactory variety for home use. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 50c, $\frac{1}{2}$ pk. 90c, pk. \$1.65.

If Beans are Desired Sent by Mail, see Page 25 Regarding Remittances for Postage.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling scarlet flowers make it a favorite for covering screens, walls, etc. It is withal of excellent, edible quality as a shell bean, green or dry, immensely productive, and should be more generally cultivated for table use. Beans when dry are lilac, mottled with black. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35, 2 qts. 60c, $\frac{1}{2}$ pk. \$1.00.

WHITE DUTCH RUNNER. Similar to the preceding, differing only in color of the flowers and beans, which are white. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c, 2 qts. 60c, $\frac{1}{2}$ pk. \$1.00.

BEANS.  Lima Pole.

SEIBERT'S EARLY LIMA. The earliest true Lima. Very productive, exceptionally hardy, and of vigorous habit. Beans large and of best quality. See description, page 2. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 40c, 2 qts. 70c, $\frac{1}{2}$ pk. \$1.20, pk. \$2.00.

EARLY JERSEY. An extra early and popular variety; until the introduction of the Seibert's the earliest variety grown.

LARGE LIMA. The old Standard variety, more largely grown than any other.

KING OF THE GARDEN LIMA. Similar to the above, but has larger pods.

DREER'S IMPROVED LIMA. Beans of medium size, short and much thicker than the Large Lima. Price of the preceding four varieties, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 55c, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

BEANS.  Lima Pole.

BEANS.  Lima Dwarf.



HENDERSON'S BUSH LIMA. This variety is especially valuable on account of its earliness; a bush form of the early Sieva Lima, and has the small beans of that variety. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c, 2 qts. 50c, $\frac{1}{2}$ pk. 90c, pk. \$1.65.

BURPEE'S BUSH LIMA. A bush form of the large Lima.

Grows uniformly dwarf. Beans are equal in size and quality to the large Lima. We consider this the best of the bush Limas. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c, 2 qts. 60c, $\frac{1}{2}$ pk. \$1.00, pk. \$1.85.

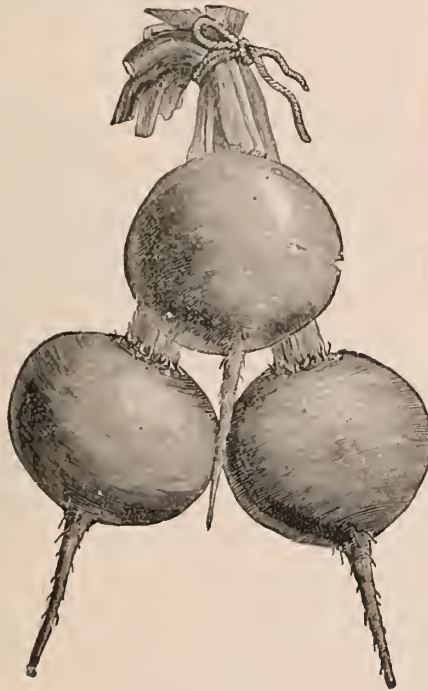
DREER'S BUSH LIMA. A bush form of the Dreer's Improved Lima, which is considered by many as the best of all the Limas. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c, 2 qts. 60c, $\frac{1}{2}$ pk. \$1.00, pk. \$1.85.

 BEET. 

EARLY ECLIPSE. When introduced claimed to be as early as the Egyptian; did not prove to be, but is only a little later. Roots are bright red, and of uniform globe shape, fine grained and delicious flavor. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

DETROIT DARK RED. A new variety, for which much is claimed. Similar to the Eclipse in form, of deep color, has small tops, and is of good quality. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

ARLINGTON FAVORITE. A fine early variety, good for either home or market use, has very small tops, roots deep red, of good form and excellent quality. Popular in Boston market, coming in after Crosby's Egyptian. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.



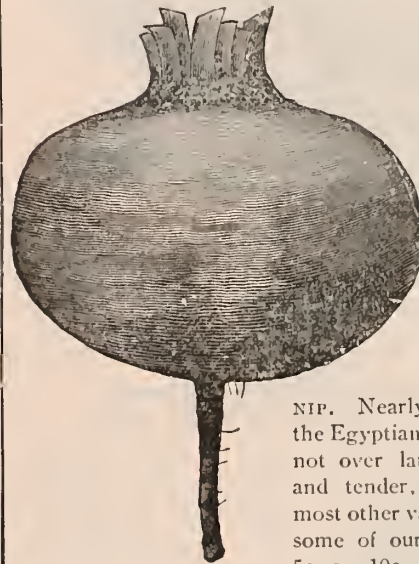
EARLY ECLIPSE.

EDMAND'S BLOOD TURNIP. An excellent variety, of more globular form than the Dewing, and of a very dark color, medium early and one of the best for general or late crop. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

DEWING'S IMPROVED BLOOD TURNIP. A standard sort. An improvement on the old Blood Turnip. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

SWISS CHARD. Used for greens only. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

EARLY EGYPTIAN TURNIP. A standard sort. The earliest of all; roots flat; of a deep crimson; tops very small, which permits it to be planted closer than other sorts. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.



CROSBY'S EGYPTIAN

CROSBY'S IMPROVED EGYPTIAN. Similar to the preceding variety, but of much better form. Without exception the best first early variety for market gardeners. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 30c, lb. 60c.

BASTIAN BLOOD TURNIP. Nearly, if not quite, as early as the Egyptian. Will grow larger (though not over large), is remarkably sweet and tender, but of lighter color than most other varieties. Very popular with some of our market gardeners. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

FAUST'S EARLY CRIMSON. Sometimes catalogued as Mitchell's beet. An excellent first early sort, as its name indicates, of deep color. See description, page 2. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{2}$ lb. 25c, lb. 45c.

SUGAR BEETS AND MANGEL WURZELS

LANE'S SUGAR. An improvement on the old White French and recommended as hardier, and as containing a larger percentage of sugar.

MAMMOTH LONG RED MANGEL. A long variety, of mammoth size; color light red, flesh white, and rose colored. Grows well out of ground; extensively used in all sections.

NORBITON GIANT LONG RED. Similar to the preceding; has smaller top and neck; flesh scarlet.

GOLDEN TANKARD. Top and neck very small, roots ovoid and large; flesh yellow, zoned with white; an excellent sort.

ORANGE GLOBE. One of the best; top small, roots medium size, color of skin deep orange yellow, flesh white. Grows almost entirely out of the ground; good for shallow ground, easy to harvest.

RED GLOBE. Similar to preceding, except color, which is light red or pink.

Above varieties all $\frac{1}{2}$ lb. 15c, $\frac{1}{2}$ lb. 20c, lb. 35c, 5 lb. lots per lb. 30c.

We Do Not Deliver Beans Free.

WHEN ORDERING **Be Sure** THAT REQUIRED AMOUNT IS REMITTED FOR POSTAGE. SEE PAGE **25.**

CABBAGE. EARLY JERSEY WAKEFIELD. The standard early variety. Heads conical, very compact and solid. Can be set closer than most varieties. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.25

CHARLESTON EARLY WAKEFIELD. A selection of the preceding, considerably larger and but a trifle later. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.25

HENDERSON'S EARLY SUMMER. The earliest large heading cabbage; grows compact, so that it may be set nearly as close as the smaller sorts. Pkt. 5c, $\frac{1}{2}$ oz. 15c, 1 oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 70c, lb. \$2.50

HENDERSON'S SUCCESSION. Claimed by the introducers when first put on the market to be "the finest cabbage in existence." Very similar to that excellent variety, the All Seasons. Matures about ten days later than the Early Summer. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 70c, lb. \$2.50



ALL SEASONS.

ALL SEASONS. (Sometimes called Vandergow.) An excellent variety for both early and late planting. Heads very hard, of good size and thick, does not burst easily when mature. Of good quality and a fine keeper. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.25

CAULIFLOWER.



EARLY SNOWBALL. Grown more extensively than any other variety, both under glass and for out door crop. We know of no variety that can compare with it for reliability in heading. It is extra early and has few outer leaves, allowing it to be planted very closely. Pkt. 20c, $\frac{1}{2}$ oz. 65c, $\frac{1}{4}$ oz. \$1.25, oz. \$2.25

EXTRA EARLY PARIS. Heads large, white, compact and solid, of excellent flavor; a favorite with market gardeners. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.

HALF EARLY PARIS. Not as early as the preceding variety. Heads large and compact, of good quality. Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c.

While we do not wish to be known as a "cheap seed house" and do not advertise to sell all seeds cheaper than any others do, we however, believe that some houses put an exorbitant price on the Early Snowball Cauliflower. Our experience has proven to us time and again that our strain of this variety will compare favorably with that offered by any other seedsmen. Our price is as low as that of any reliable house and much lower than some.

EARLY WINNINGSTADT. Heads large, cone shaped and solid; one of the best for all soils. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.50

FOTTLER'S IMPROVED BRUNSWICK. The earliest of the large heading drumheads; in great favor with market gardeners in all sections; used generally as a second early crop. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.25

PREMIUM FLAT DUTCH. A popular variety; its keeping qualities unsurpassed; large heads. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.25

STONE MASON DRUMHEAD. A standard variety; one of the very best for family or market use; solid heads of excellent quality. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.25

AUTUMN KING. Claimed by the introducers to be the best late cabbage in the country. They say of it: "The Autumn King is an entirely distinct variety, and the best keeper we have ever seen; it produces enormous solid heads with such small outer leaves that it can be planted much closer than the ordinary late sorts, and will produce a greater weight of crop per acre than any other variety, from the fact of its producing so few outer leaves and going all to head. A distinct feature of the Autumn King is the peculiarly crimped leaves." Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.75

MARBLEHEAD MAMMOTH. A late variety, the largest of all cabbages; heads have been grown weighing sixty pounds. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.25

AMERICAN IMPROVED SAVOY. An improvement on the Green Globe Savoy; very reliable for heading. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 70c, lb. \$2.50

Careful observation has led us to the conclusion that American grown seed of the standard varieties of cabbage is more reliable than imported, both in heading and quality, the exceptions being those varieties which were of foreign origin and which have been only recently introduced here. The following three are of this class, are of an altogether different type from our standard varieties, and evidently have been specialties in the country from which they came:

DANISH BALL HEAD. A variety grown almost exclusively in Denmark for winter use, extremely hardy and very reliable in heading if planted on strong, well-enriched land. The stumps of this and other foreign varieties are longer than our native sorts. Heads are of medium size, round, very hard and heavy, averaging one-fourth heavier than other varieties; of the best quality, and excellent keepers. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75.

HOLLANDER, OR GERMAN EXPORT. This is also an imported variety with similar characteristics of the preceding one. Like that it is very hardy, some claiming that it is even harder than the Danish Ball Head, and that it will endure frost and drought that would destroy any other cabbage. It is late in maturing, an excellent keeper and of the best quality. For best results both this and the preceding variety should be sown at least two weeks earlier than other winter varieties. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50.

LUXEMBURG, OR HARD HEADING. Heads medium size, nearly round and of good quality; outer leaves slightly tinged with red. Excellent as the two preceding varieties are, the Luxembourg is thought by some to exceed them in hardness and solidity and especially in keeping. An old and very reliable seed firm say:—"This is the king of all cabbages for late spring selling," and also that, "those who raise it will have the markets of late spring entirely to themselves." Like the Danish Ball Head and Hollander, it should be planted earlier and soil should be richer than for most other Drumheads. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 20c, 2 ozs. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

MAMMOTH ROCK RED. Claimed to be by far the best, largest and surest heading Red Cabbage ever introduced. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$2.25.

BED DUTCH. Used for pickling. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$2.50.

COMPETITION forces us [to] sell Good Seeds at Fair Prices and often at Small Profit, but it never has, nor ever will, compel us [to] sell Poor Seeds.

Our Cabbage Seed is nearly all American Grown. When comparing prices with those of other firms Remember that Imported Seed is Much Cheaper.

CARROT.



GUERANDE OR OX HEART.

GUERANDE OR OX HEART. In length, between the Scarlet Horn and Danvers; is thicker at the neck than the latter, and carries its thickness well down toward the bottom. The entire crop can be pulled by hand. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.

LARGE WHITE BELGIAN. Grown exclusively for stock. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, lb. 50c.

RUBICON. This new variety is somewhat similar in form to the Ox Heart, but larger and longer. It is earlier than the Danvers, a little shorter, owing to its great thickness a heavier cropper, and has fewer and finer leaves. It is of a deep orange red, grows without neck, hollow crowned, and of good quality. Very uniform in growth. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.

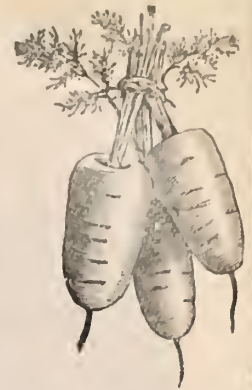
CHANTENAY. Midway in shape between the Guerande or Ox Heart and the Danvers, slightly tapering but uniformly stumpy-rooted. Flesh tender and crisp; color deep orange; tops medium size; neck small. A favorite with market gardeners. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, lb. 75c.

EARLY SCARLET HORN. Very early, and as a table carrot, much esteemed, both on account of the smallness of its heart and its tenderness. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.

DANVERS HALF LONG. A variety in size between the Early Horn and Long Orange varieties, of fine quality. Our stock is of a rich dark color, and of perfect shape. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.

LONG ORANGE IMPROVED. The standard variety for field crops; darker in color and smoother than the old Long Orange. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 20c, lb. 60c.

HENDERSON'S INTERMEDIATE RED. A most excellent variety for either field or garden culture; large, symmetrical roots of a deep orange red. Of the Long Orange type, but not quite as large, has small core, is smooth, straight and free from roughness. Tops small considering the size of the roots. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.



SCARLET HORN.

GOLDEN SELF-BLANCHING. The most popular variety in cultivation. It is perfectly solid, crisp, brittle and of delicious flavor; while it has the decided merit of being self-blanching to a very remarkable degree.

Without banking up or any covering whatever, even the outer ribs become of a handsome, fresh yellowish white. The leaves also are of the same beautiful color after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. Few varieties can surpass, if indeed equal the Golden Self-Blanching in striking appearance.

The ease with which it can be grown, owing to the little labor necessary to blanch it, makes it one of the most profitable varieties. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c, 2 ozs. 65c, $\frac{1}{2}$ lb. \$1.20.

ROSE RIBBED PARIS. This variety is similar in general character to the Golden Self-Blanching, from which it sprang. It has the same remarkable feature of self-blanching, and like that, it is of a beautiful golden-yellow, and differs only in the color of the ribs, which are very beautifully tinted with red, and in the size of the stalks, which are a little larger. It is stout, vigorous and compact in growth, has broad leaves, the outer ones being dark green, which, combined with the rich, waxy-yellow of the inner leaves and heart, and the red markings on the ribs, make it the most beautiful of any variety in cultivation. The stalks are large and practically stringless, very crisp, tender and fine flavored. We believe this variety must become exceedingly popular when once it is known. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c, 2 oz. 60c, $\frac{1}{2}$ lb. \$1.00.



GOLDEN SELF-BLANCHING.

CRESS, OR PEPPER GRASS. CURLED. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c.

CELERY.



TRUE BOSTON MARKET.

BOSTON MARKET. An old standard variety, for many years grown more extensively for Boston market than any other variety. It is noted for its tenderness and excellent flavor. It is peculiar in its growth, forming a cluster of heads instead of a single large one. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 ozs. 35c, $\frac{1}{2}$ lb. 60c.

BOSTON MARKET. Selected stock, Arlington grown. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, 2 ozs. 75c, $\frac{1}{2}$ lb. \$1.25.

GIANT PASCAL. This is a green-leaved variety which was developed from the Golden Self-Blanching in France. It is much larger, a better keeper, and of superior flavor. It grows about two feet high.

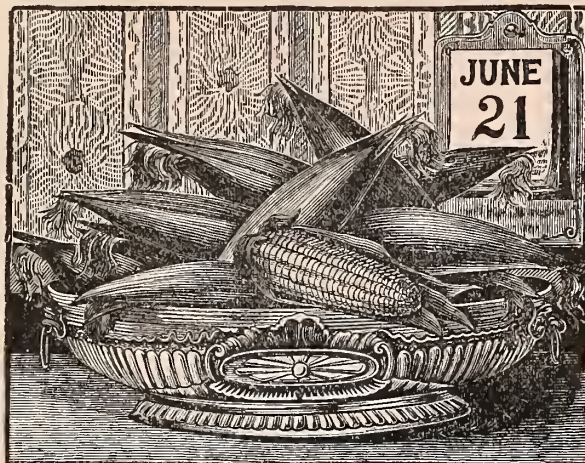
has very broad and thick stalks, which are stringless. It has a peculiarly sweet and nutty flavor entirely free from any bitter taste. It blanches very quickly after banking up. We believe it to be altogether the best late variety. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 ozs. 35c, $\frac{1}{2}$ lb. 60c.

WHITE PLUME. Also a self-blanching sort; earlier, of not quite so good quality as the preceding, but very popular, and is grown extensively in all sections. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 60c.

PINK PLUME. Similar to the preceding, but the stalks are beautifully tinged or suffused with pink. Of better quality, having to some extent the nutty flavor and crispness which all the red celeries have. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{2}$ lb. 75c.

CELESIAC. (Turnip-Rooted Celery.) **ERFURT GIANT.** Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{2}$ lb. 40c.

CORN. Sweet or Sugar.



FIRST OF ALL.

THE FIRST OF ALL. The earliest variety. A selection of the Cory, a very little earlier, next in popularity to that well known sort.

THE CORY. The most popular early variety, cobs mostly red, kernels from deep pinkish cast to white, ears eight-rowed and of fair size, of medium quality and a good yielder.

WHITE COB CORY. A selection of the preceding, with only pure white kernels and cobs; larger and sweeter.

EARLY MINNESOTA. An old standard sort. Kernels white and very large for an early sort. Ears of medium size.

EARLY CROSBY. An early variety and one of the most popular ones in cultivation; for years the standard early sort in Boston market. Follows closely the preceding varieties. Kernels white, small and remarkably sweet and tender. Ears rather short, with twelve to sixteen rows.

NEW EARLY CHAMPION. The earliest large sweet corn yet introduced, being only a few days later than the first early small sorts. Twelve-rowed, with pure white kernels.

KENDEL'S EARLY GIANT. A very large variety considering its earliness. Kernels white, ears well filled out and showy; of good quality.

SHAKER'S EARLY. Claimed when introduced to be as early as Minnesota. We have never found it so, but consider it very early for so large an eared variety. Of good quality.

MOORE'S EARLY CONCORD. Not quite as early as preceding varieties, but has a very large ear, with twelve to sixteen rows. Popular in New England as a second early sort, and often planted for main crop.

BLACK MEXICAN. A variety when ripe with blueish black kernels, but when in suitable condition for eating cooks white. But few varieties equal it in tenderness and sweetness. Ears of medium size. It is ready for use about with the Concord.

POTTER'S EXCELSIOR OR SQUANTUM. Known by the first name for years in Boston market, where it was very popular. Used extensively in Rhode Island, where it was named Squantum. Ears of medium size. A standard of excellence in tenderness and sweetness, and is yearly increasing in popularity.

COUNTRY GENTLEMAN. A medium late variety, having irregular rows. Has a very small cob and deep kernel, is tender and sweet; very desirable for the home garden.

MARBLEHEAD MAMMOTH. The earliest, sweetest and largest of all the Mammoth sweet varieties.

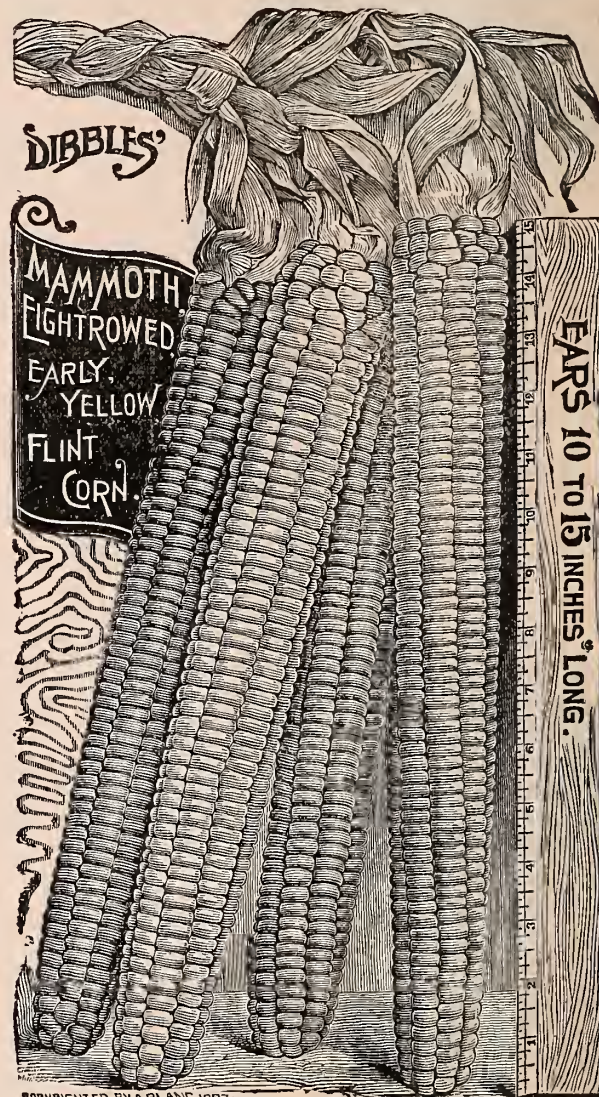
Above varieties, each, $\frac{1}{4}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 30c, $\frac{1}{2}$ pk. 50c, pk. 90c, bush. \$3.00

STOWELL'S EVERGREEN. Used more generally than any other late variety. Ears large, kernels very deep and shriveled. $\frac{1}{4}$ pt. 6c, pt. 10c, qt. 15c, 2 qts. 25c, $\frac{1}{2}$ pk. 40c, pk. 65c, bush. \$2.25

STOWELL'S EVERGREEN. For fodder. Bush. \$1.40, 2 bush. \$2.50

CORN. Field, Fodder and Ensilage.

DIBBLE'S MAMMOTH EARLY FLINT. This is a selection of the Longfellow, combining earliness and large size. Under ordinary treatment this has produced some very large crops, having yielded at different times 140 to 160 bushels per acre with only 500 pounds of Mape's Corn Manure. Pk. 50c, bush. \$1.75, bush. on ear (70 lbs.) \$2.00.



Two Varieties of Sweet Corn of Special Merit.

MAMMOTH WHITE CORY. Introduced by D. M. Ferry & Co., whose description we quote: "The Largest and Best Extra Early Sweet Corn. The stalks are no larger than those of the White Cob Cory, but each stalk furnishes two or more large, fine shaped ears which are fit for use before those of any other sort. The ears are twelve-rowed, very symmetrical and handsome with no opening between the rows at the base. The grain is large, broad, very white and of remarkably good quality for such an early sort. The beauty and quality of this variety give it ready sale even when the market is overstocked."

FERRY'S EARLY EVERGREEN. Also introduced by D. M. Ferry & Co., who say of it: "We have tested many samples of Evergreen Corn that were claimed to be earlier than Stowell's Evergreen, and to be just as good, but we have never found any of them valuable. For the past six years we have been developing this variety which we offer with the statement, backed by careful tests made both in the trial grounds and in the field, that it will furnish ears fit for use much earlier than Stowell's Evergreen. The ears are like the Evergreen, very large, with about eighteen, more or less irregular rows and a very long grain which is of the very best quality. It remains in condition for use longer than other sorts, excelling the Stowell's in this respect. The plant and ear would be pronounced by observers to be a fine stock of the old variety though fit for use one to two weeks earlier."

Each of above, $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. 90c, bush. \$3.50

CORN. FIELD, FODDER AND ENSILAGE.

EARLY CANADA. Ears small; very early, usually ripening in August; admirably adapted for culture in the Northern States. Pk. 40c, bush. \$1.50

IMPROVED CANADA. Known also as Early Demand, Deerfield, Greenfield or Connecticut Valley. This is really the preceding, bred up to a larger ear. Like that, it is eight rowed and resembles it generally, only that the ears are about two inches longer. It is early and is very popular in the Connecticut Valley, where it was first cultivated. Pk. 40c, bush. \$1.50

LONGFELLOW. An eight-rowed yellow flint sort, with ears ten to twelve inches long. The cob is quite small, with kernels of good size. Considered safe for planting in Massachusetts. Pk. 40c, bush. \$1.40

SANFORD WHITE. A white flint variety, used in Rhode Island considerably for grinding, both for stock and culinary purposes, and very extensively used in Vermont for ensilage. Pk. 35c, bush. \$1.25

PRIDE OF THE NORTH. A Dent variety which is very early. Will mature a crop in this section easily unless season is very unfavorable. Ears are rather small for a Dent variety, about eight inches long, having from twelve to sixteen rows. Stalks are from six to eight feet high. Also used for ensilage. Pk. 35c, bush. \$1.25

EARLY MASTODON DENT. A very early, strong growing corn, with exceedingly large ears and grain. In the American Agriculturalist corn contest, in 1889, it out-yielded all others, making the wonderful record of 213 bushels of shelled corn to the acre. Used extensively for ensilage. Pk. 35c, bush. \$1.25

WHITE CAP YELLOW DENT. Nearly as early as the Pride of the North; with large ears. The grower and introducer of this wonderful corn says he will guarantee this corn to mature in ninety to ninety-five days from planting, and to grow a larger crop on poor soil than any other corn in the world. Stalks are six to seven feet high, with abundance of foliage, making it an excellent sort for ensilage. Ears are from eight to ten inches long, well filled out and have from sixteen to eighteen rows. Kernels are of the true Dent type, large, sweet and nutritious, the outer end white and the balance yellow, which gives it the name "White Cap." Pk. 40c, bush. \$1.50, 2 bush. \$2.50

LEAMING. An early yellow Dent corn which is growing more popular in New England every season for ensilage. Pk. 30c, bush. \$1.00

RED COB ENSILAGE. (Bushnell's.) A pure white corn with red cob. Probably grown more extensively for ensilage than any other variety. Pk. 30c, bush. \$1.00

SOUTHERN WHITE. The seed we offer of this is the true Southern White, and has a round flat kernel. Nearly all the seed sold in the east for this variety is the pointed or sheep-tooth kernel, comes from the west as grain and germinates very poorly. The seed we offer is grown for us in the south especially for seed. This costs a trifle more and is infinitely better. Pk. 30c, bush. \$1.00, special prices on large quantities.

The Eureka Ensilage Corn.

THE BEST OF ALL.

Will Produce More Tons of Ensilage Per Acre Than Any Other Variety in Cultivation.

Another year's use of the Eureka by our old customers and many new ones; their entire satisfaction with it and unqualified testimonials as to its superiority only proves that what we have said of it was correct, and substantiates our claim that it is the best of all and will produce more tons of ensilage per acre than any other variety in cultivation.

It is a well known fact that plants raised in a southern climate have more foliage than those grown in a northern. The southern farmer uses no other hay for his working stock than the leaves of corn; not by cutting down the stalks as we do, but by stripping the blades from the stalks. Therefore it is desirable to grow corn with the largest amount of foliage possible. In this respect there is a great difference in what is called Southern Corn, some varieties producing nearly double the amount of green fodder that others do.

The Eureka was obtained by carefully selecting for fifteen years from the True Southern White the stalks which produced the largest amount of foliage and greatest number of ears, with the result, a variety which, with proper fertilizing, will grow from fourteen to eighteen feet high, and often have four and five ears to the stalk. This selection was made by one of the most reliable growers in Virginia, and who, since its introduction, has continued to grow seed especially for us. Since its introduction there has been an evident improvement in it in regard to earliness. We mention this because many desire that a variety shall be early enough to produce ears well toward maturity, before time to cut for ensilage, and we feel that if there has ever been any objection to this corn because it was late, it has been removed by this improvement. Our stock of seed this year is much larger than ever before, and is up to the usual high standard in quality. Pk. 60c, bush. \$2.00, 3 bushels \$5.00. No charge for bags. See photographic illustration on page 4.



WE HAVE ENTIRE CONTROL of Eureka Corn but sell it at wholesale as well as retail. Owing to its similarity in shape and size of kernel to the parent stock, the True Southern White, has, we learn in some cases, been sold for Eureka. Those who prefer to buy of some dealer nearer them rather than directly of us should be sure that this dealer has the genuine Eureka. It is always put up in bags plainly marked "Ross Bros' Eureka Ensilage Corn"

Remember That You Are Entitled to a Liberal Discount On Packets and Ounces. It Will Be Your Fault If You Do Not Get It. SEE PAGE 25

Cucumber.

EARLY RUSSIAN. The earliest cucumber grown; fruit produced in pairs.

EARLY FRAME OR SHORT GREEN. An excellent sort, both for table use and pickling. Plants very vigorous and productive. Fruit straight, handsome, smaller at each end, bright green, lighter at the blossom end.

EARLY CLUSTER. Short, borne in clusters near the root. Popular for home use, but little grown for market.

NICHOLS' MEDIUM GREEN. Thicker than the White Spine, and full at both ends. Skin light green and very smooth. Handsome in appearance, and of fine quality.

WHITE SPINE IMPROVED. The most popular variety for market. Fruit straight and handsome. Used extensively for forcing.

EVERGREEN WHITE SPINE. Longer than preceding strain, of equal quality; also used for forcing.

NEW JAPANESE CLIMBING. Vines vigorous, with strong grasping tendrils, which enables it to climb trellis, wire netting, brass, or any other suitable support.

IMPROVED LONG GREEN. Vines vigorous and productive. Fruit long, firm and crisp. Makes one of the best of pickles, and when ripe, is the best of any for sweet pickles.

BOSTON PICKLING. One of the best for pickling. Fruit short, pointed at each end, bright green, uniform in size, very productive, and of superior quality.

All varieties, pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 65c.

Dandelion.

AMERICAN IMPROVED. Thick leaved. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.00

FRENCH OR COMMON. Pkt. 5c oz. 25c, $\frac{1}{2}$ oz. 15c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

ARLINGTON. Leaves finer than the American Improved; very popular in Boston market. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Kale. (Borecole).

GREEN CURLED SCOTCH. Of dwarf and compact growth, leaves curled and crimped, the whole plant resembling a bunch of moss; a thing of beauty, as well as utility. The best variety for general use. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c.

Endive.

MOSS CURLED. **LARGE GREEN CURLED.** A large, coarse, strong growing variety, which by tying up can be made to form finely; blanched centers of good quality. Outer leaves well cut, and bright, deep green each. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c.

Kohl Rabi.

EARLY WHITE VIENNA.
EARLY PURPLE VIENNA. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c.

Leek.

AMERICAN FLAG. The standard variety. Pkt. 5c, $\frac{1}{2}$ oz. 10, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

LETTUCE.

HITTINGER'S BELMONT FORCING. (Choice private stock.) a choice strain for forcing in the greenhouse. Much larger than the White Seeded Tennis ball and a little later. Quality excellent. Very profitable for market. Not recommended for out-door culture. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c.



the size. About a week later. Recommended by some especially for forcing; by others for both that and out-door planting. Very popular with many market gardeners for latter purpose, because it always produces large, solid heads of fine quality.

WHITE SEED TENNIS BALL, OR BOSTON MARKET. Used more extensively for forcing under glass than any other sort. Heads small but very compact, and of good quality. But little used for out-door planting.

BLACK SEED TENNIS BALL. Used in New England for the first out-door planting, and is the first to head. Used in New York and other sections for forcing. Heads medium size and compact, leaves thick, dark green, and when quickly grown, crisp and tender.

EARLY CURLED SIMPSON. (White seed.) Early, forms a small loose head, leaves much curled, of excellent quality, and extensively cultivated both under glass and out-doors.

BIG BOSTON. Like the Belmont Forcing, this is nearly identical in general appearance with the White Seed Tennis Ball or Boston market, and also much larger, often growing double

Egg Plant.

NEW YORK IMPROVED. The standard variety in all sections of the country. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c, 2 oz. 60c, $\frac{1}{4}$ lb. \$1.00.

BLACK SEED SIMPSON. Much larger than the preceding, but not as much curled. Forms a large loose cluster of leaves rather than a head, leaves light yellowish green; a good variety and extensively grown.

EARLY CURLED SILESIA. An old standard sort, very popular both for home gardens and market.

BOSTON FINE CURLED. A variety highly esteemed for earliness, beauty of form and good table qualities; beautifully curled.

THE DEACON. An excellent sort, medium early, heads of good size, with few outer leaves, which are deep green, the inner ones blanching to a bright yellow. Will remain fit for use a long time. We consider it one of the best early summer varieties.

PRIZE HEAD. This variety has no superior where a thin, tender, crisp and sweet lettuce is wanted for the home garden or local market. Being so thin leaved and tender it, of course, wilts very quickly after cutting, and is not suitable for distant markets. Plants large, deep green, so washed with red as to appear more red than green forming a head of a dense mass of leaves, rather than one like a cabbage, and very slow to run to seed.

HENDERSON'S NEW YORK. The introducers say it is of unusual size and solidity of head, with but little tendency to run to seed; often weighing nearly four pounds, with heads almost as solid as an Early Summer cabbage; blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness. Is not a forcing variety, but is certainly one of the best varieties for summer use ever introduced.

HANSON. We can recommend this as one of the very best. Outer leaves white, and usually curved and twisted at the base. Extensively grown by market gardeners; always sure to make large handsome heads; of excellent quality.

All varieties (except Belmont), pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Martynia.

A strong growing, hardy annual plant with curiously shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when less than half grown, as after the hardening of the flesh they are worthless.

PROBOSCIDEA. The common variety. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 35c, 2 oz. 60c, $\frac{1}{4}$ lb. \$1.00.



COSMOPOLITAN MUSK MELON.

MELON--Musk.

The **COSMOPOLITAN**, first introduced by the introduction to be the most beautiful of the Green Melons. Fruit of a globose oval, smooth round, color light green, covered at maturity with silvery gray netting. Flesh firm, sweet and high flavored. Pkt. 50, 100, 200 lbs., 1 lb. 50c, 1 lb. 75c.

EXTRA LARGE variety. Of good size, round, golden green flesh, netted. Seasonable. A variety of medium size, flesh salmon color.

GREEN NETTED. Medium size, globe-shaped, covered with a good sweet and fine flavor. **MOUNTAIN SWEET**. Of medium size, flesh thick, salmon color, sweet and melting. **MOUNTAIN MELON**. The first round melon, shape slightly oval, sparsely netted, flesh pink and delicious.

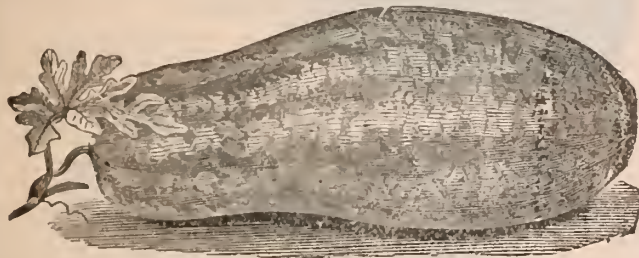
BAVARIAN. One of the largest, most productive and best flavored melons grown. Shape oval, flesh green.

LONG YELLOW. Large, ribbed, smooth netted flesh salmon color. **EMERALD GEM**. A small round melon of superior flavor. Flesh salmon color, very thick and firm, ground in dark green. One of the best for home use, and grows more reliably every year as a market variety, on account of its uniformity, excellent quality.

Each fruit 50, pkt. 75, oz. 100, 200 lbs. 1, 1 lb. 20c, 1 lb. 60c. See also description of Pottery or Paul Rose, specially list, colored pages.

MELON--Water.

PHINNEY'S EARLY. Medium size, oval; thin rind, very productive, sweet and melting.
THE BOSS. Medium size, thin rind, brilliant red flesh; solid, of delicious quality.
KOLB'S GEM. Nearly round, dark green, with narrow stripes of lighter shade; flesh bright red, quality medium; excellent for shipping.
MOUNTAIN SWEET. An old popular variety. Flesh red, firm and sweet.



Mountain Sweet Watermelon.

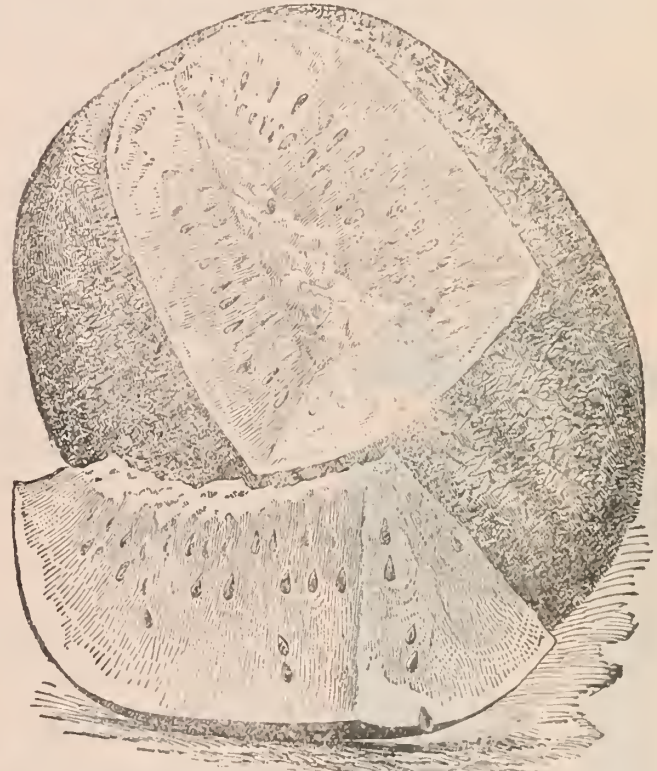
BLACK SPANISH. Medium size, round, thin rind, excellent quality; vines small; a sure cropper.
MAMMOTH IRON CLAD. Shape oblong, thick, thin and solid, flesh red, rich and sugary; late.



CUBAN QUEEN WATERMELON.

CUBAN QUEEN. Beautifully marked, light and dark green, solid, crisp, bright red flesh, large; a good shipper.
CITRON. (Red seeded) For preserving only.
 All varieties, pkt. 50, oz. 100, 200 lbs., 1 lb. 20c, 1 lb. 60c.

THE SWISS MARKET. Fruit large, oval, very heavy. Rind thin but firm, flesh bright red, firm, solid, but very tender, melting and sweet. Remains in condition for use longer than most sorts.



SWEETHEART WATERMELON.



Mushroom.

SPAWNS, 1 lb. 50c, 100 lbs. \$10.00

Mustard.

White Brown.

Pkt. 50, oz. 100, 200 lbs., 1 lb. 20c, 1 lb. 60c.

ONIONS.

Our Globe-Shaped Onion Seed
Is Eastern Grown, ❀ ❀
❀ ❀ From Selected Stocks.
❀ ❀ Never Surpassed,
❀ ❀ Seldom Equalled.

SEE LIST OF SPECIALTIES, COLORED PAGES.

EXTRA EARLY RED FLAT. The earliest red variety. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{2}$ lb. 35c, lb. \$1.15.

EARLY YELLOW CRACKER. The earliest yellow variety; very flat, mild; needs care in handling to insure keeping; very desirable for home markets. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 50c, lb. \$1.50.

EARLY RED GLOBE DANVERS. This excellent variety is a very thick, flat, rather than a globe-shaped one, and is worthy of a more extensive planting. It follows closely the Early Red Flat in ripening; is very sure to bottom (producing almost no scullions.) Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 55c, lb. \$2.00.

RED WETHERSFIELD. An old standard and popular sort, too well known to need description. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{2}$ lb. 35c, lb. \$1.15.

YELLOW GLOBE DANVERS. This variety has been developed from the old thick-stocked Danvers, called Globe, into a true globe-shaped onion. While we take pains to secure the best seed of all varieties, we give special attention to this strain, and offer one which cannot be surpassed. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 50c, lb. \$1.50.

YELLOW GLOBE DANVERS. Best Western stock. Offered by many leading seedsmen as their best. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{2}$ lb. 35c, lb. \$1.10.

SOUTHPORT YELLOW GLOBE. Similar to our stock of Globe Danvers, but a little later. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 50c., lb. \$1.50.

SOUTHPORT RED GLOBE. Similar in shape to the preceding; of a beautiful purplish crimson. Pkt. 5c, $\frac{1}{2}$ oz. 12c, oz. 20c, 2 oz. 35c, $\frac{1}{2}$ lb. 50c, lb. \$1.50.

SOUTHPORT WHITE GLOBE. True globe shape, mild flavor, very handsome, better keeper than the Portugal. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 45c, $\frac{1}{2}$ lb. 75c, lb. \$2.50.

WHITE PORTUGAL OR SILVER SKIN. Used by market gardeners for an early onion. Its mild flavor makes it especially desirable for family use. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 45c, $\frac{1}{2}$ lb. 75c, lb. \$2.50.

PRIZE-TAKER. Of finest flavor, handsome shape and enormous size; without doubt the largest variety in cultivation; largely used for sowing in hot bed and transplanting. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, 2 oz. 25c, $\frac{1}{2}$ lb. 40c, lb. \$1.50.



ONION SETS.

PRICES VARIABLE.

WHITE. Qt. 20c, $\frac{1}{2}$ pk. 65c, pk. \$1.25.

YELLOW. Qt. 20c, $\frac{1}{2}$ pk. 65c, pk. \$1.25.

POTATO ONION. Qt. 15c, $\frac{1}{2}$ pk. 50c, pk. 90c.

TOP ONION. Qt. 15c, $\frac{1}{2}$ pk. 50c, pk. 90c.

Price for larger quantities on application.



Parsnip.

We have an extra selected stock of both Long and Hollow Crown, and have a steadily increasing market garden trade. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, lb. 50c.

Parsley.

CHAMPION MOSS CURLED.

EXTRA DOUBLE CURLED. Each. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 25c, lb. 75c.

Pumpkin.

SMALL SUGAR. The popular variety in New England for pies, fine grained and sweet. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, lb. 60.

LARGE CHEESE OR KENTUCKY FIELD. Shape flat, skin of a rich cream color when ripe, flesh tender and of fine quality. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, lb. 50c.

MAMMOTH TOURS. One of the largest in cultivation; good for feeding stock. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20, lb. 60c.

CONNECTICUT FIELD. The standard variety for feeding stock. Pkt. 5c, $\frac{1}{2}$ lb. 10c, $\frac{1}{2}$ lb. 15, lb. 25c.

PEPPERS.

LARGE BELL. Large, bell-shaped, thick fleshed, and less pungent than some other sorts. Good for filling.

SWEET MOUNTAIN. Fruit very large, often eight inches long, by two in diameter. Flesh thick, sweet and mild.

RUBY KING. The handsomest of the large sorts, mild and sweet.

LARGE SQUASH. Fruit flat or tomato shaped, and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature.

CAYENNE. Best for seasoning pickles; very hot.

RED CHILI. Used for making pepper sauce. Pods bright red, slender, about two inches long and very pungent. Requires a long season; seed should be sown early in hot bed.

Each of above, pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 2 oz. 40c, $\frac{1}{2}$ lb. 75c.

CORAL GEM BOUQUET. The best of the small sorts. Its small red pods are so thickly set as to give it the appearance of a bouquet. Very ornamental, as well as useful. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 40c.

We issue no Catalogue for market gardeners, preferring to quote SPECIAL PRICES to large buyers.



BEFORE YOU ORDER Onion Seed READ the Letters From Two of the Oldest Onion Growers in Connecticut Valley.

PEAS. EXTRA EARLY ... VARIETIES.

ALASKA. The standard first early hard pea. Vines 2 1-4 to 2 1-2 feet in height; uniform in ripening, nearly the whole crop can be picked at first picking; peas blue.

The following three early hard varieties are old standard sorts needing no description:

IMPROVED DAN O'ROURKE.
FIRST AND BEST.

PHILADELPHIA EXTRA EARLY.

Each of above four. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.50

GREGORY'S SURPRISE. The earliest wrinkled pea. See special description colored pages. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 60c, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75

GRADUS. A new and wonderful pea; pods and peas approaching the Telephone in size; yet ripening with or close to the earliest. See colored pages. $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c, 2 qts. 70c, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25

DWARF EARLY VARIETIES.

AMERICAN WONDER. An early wrinkled variety growing to the height of ten inches; very robust, producing large, well-filled pods; of fine flavor. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 75c, pk. \$1.50, bush \$5.50



Nott's
Excelsior.

NOTT'S EXCELSIOR. Somewhat similar to American Wonder but superior to it in every respect. Grows a little taller. $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c, 2 qts. 50c, $\frac{1}{2}$ pk. 90c, pk. \$1.50, bush. \$5.50

MCLEAN'S LITTLE GEM. An old favorite and yet extensively used. Follows closely the Excelsior in ripening; of excellent quality. Height about 16 inches. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25, bush. \$4.50

CARTER'S PREMIUM GEM. Similar to the preceding, but more even in growth and a little shorter; an excellent variety. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25, bush. \$4.50

HALF DWARF, SECOND EARLY, MEDIUM AND LATE SORTS.

MCLEAN'S ADVANCER. A green, wrinkled marrow of extra quality. The standard second early in Boston market, and grown extensively everywhere. Height 2 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.75

HOSFORD'S MARKET GARDEN. A wrinkled variety; ripens closely to Advancer; of branching habit, very stocky. Peas medium size, of good quality. Height 2 feet. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.75

BLISS ABUNDANCE. About a week later than the Advancer, bearing large and well-filled pods, immensely productive; is of a branching habit. Height 2 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.75

ADMIRAL DEWEY. A new variety claimed by the introducers to be the largest podded pea extant; productive and of best quality. Height 3 $\frac{1}{2}$ feet. Pkt. 10c, $\frac{1}{2}$ pt. 25c, qt. 40c, 2 qts. 40c, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25

There are two varieties of peas which should be tried by everyone who plants peas.—the **GRADUS** and **ADMIRAL DEWEY**. The first is already recognized by many to be the greatest acquisition in this line ever known. The second is certainly worthy of a trial.

HEROINE. A distinct and valuable variety. Foliage even and luxuriant, pods long, handsome and well-filled with large peas of a fine flavor. Remarkably true and fixed in its habit of growth. Height 2 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25, bush. \$4.50

YORKSHIRE HERO, OR DWARF CHAMPION. An old wrinkled sort, peas large and of delicious flavor, vines of a robust branching habit. Notwithstanding the many excellent new varieties this old favorite still continues to be in great demand. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.75

SIROPSHIRE HERO. Of recent introduction; has large handsome pods, which are remarkably well-filled with large peas of finest flavor; is an abundant bearer and one of the best of its class. Height 2 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25, bush. \$4.50

IMPROVED STRATAGEM. An improvement on the old Stratagem, the tendency to sport being almost entirely removed. Vines are stocky, of vigorous habit with luxuriant foliage, and very productive. Height about 2 $\frac{1}{2}$ feet. Pods and peas are of the largest size; Quality unsurpassed. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 40c, $\frac{1}{2}$ pk. 75c, pk. \$1.40, bush. \$5.00

EVERBEARING. A large green late wrinkled pea of excellent quality. As its name indicates, a continuous bearer. Like the Abundance, of very branching habit and should be planted thinly. Height 2 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 8c, pt. 15c, qt. 20c, 2 qt. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.75

TALL-GROWING LATE SORTS.

CARTER'S TELEPHONE. A tall growing wrinkled sort, in this section the most popular late pea. Of very robust habit, large pods. "As good as the Telephone" is an expression often used regarding other varieties. Height 4 $\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 45c, $\frac{1}{2}$ pk. 75c, pk. \$1.40, bush. \$5.00

CHAMPION OF ENGLAND. Universally admitted to be one of the richest and best flavored peas grown; very productive. Height 4 or five feet. Seed light green and very much shrivelled. $\frac{1}{2}$ pt. 8c, pt. 12c, qt. 20c, 2 qts. 35c, $\frac{1}{2}$ pk. 60c, pk. \$1.00, bush. \$3.50

LARGE BLACKEYED MARROWFAT. An excellent variety growing about five feet high; pods large and full. $\frac{1}{2}$ pt. 5c, pt. 10c, qt. 15c, 2 qts. 25c, $\frac{1}{2}$ pk. 40c, pk. 75c, bush. \$2.25

LARGE WHITE MARROWFAT. Similar to preceding. $\frac{1}{2}$ pt. 5c, pt. 10c, qt. 15c, 2 qts. 25c, $\frac{1}{2}$ pk. 40c, pk. 65c, bush. \$2.25

MELTING-SUGAR EDIBLE PODS. Pods are used same as string beans $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 25c, 2 qts. 40c, $\frac{1}{2}$ pk. 70c, pk. \$1.25

Radish.

EARLY SCARLET TURNIP. A small, round, deep scarlet variety. Popular for forcing.

EARLY SCARLET TURNIP, WHITE TIP. Similar to the preceding, but beautifully marked with white at the tip; very popular as a market variety.



NEW ROSY GEM.— (White tipped scarlet ball) Earlier than the preceding sort, which it somewhat resembles in form and color; upper part of root rich, deep scarlet, blending into pure white at tip. A very showy and excellent sort, never becoming hollow or pithy.

NON PLUS ULTRA OR FRENCH FORCING.— Claimed by the introducers to be the earliest in cultivation. In color, brilliant red, top small; excellent for forcing.

VICK'S EARLY SCARLET GLOBE. A most excellent radish for garden culture, and for hot bed forcing there is no variety as

desirable. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy.

Squash.

WHITE BUSH SCALOP. A very early and excellent variety for market.

EARLY WARTED OR SUMMER CROOKNECK. Long, bright yellow fruit; the most popular early summer variety.

MAMMOTH SUMMER CROOKNECK. A great improvement on the preceding, being twice as large, far more warty, and as early. This combination of earliness, large size and wartiness, which adds so much to its attractiveness, makes it altogether the most desirable squash in the market.

FORDHOOK. Very handsome, of bright yellow outside and straw yellow within. The flesh is very dry and sweet, and of delicious flavor. Keeps in perfect condition until late in June, when summer squashes are ready.

THE FAXON SQUASH



COPYRIGHT, 1893, BY M.B. FAXON CO.

A very desirable variety for the home garden. It is very productive, of medium size (five or six pounds), fine grained, dry, sweet, a good keeper, uniform in shape, but varied in color. This variation in color is a distinct feature of the squash. While some of the ripe squashes are pale yellow, with still paler yellow stripes, others are green, mottled and faintly striped with a light green.

PROLIFIC MARROW. (Dunlap's.) The earliest fall variety; at least ten days earlier than any other marrow squash; very prolific, color deep orange, of fair quality.

BOSTON MARROW. The standard type of Marrow Squash in Massachusetts, and also largely used elsewhere.

NEW EARLY SCARLET, OLIVE SHAPED, SHORT LEAVED. This new strain differs from the old one, in that it is earlier, deeper colored and in termination of tip, which is more abrupt; very desirable for forcing.

FRENCH BREAKFAST. A very quick growing variety, brittle, crisp and tender; of oval form, bright scarlet, white tipped.

EARLY LONG SCARLET SHORT TOP IMPROVED. Grows six to eight inches long; very crisp and brittle, quick growth, uniformly straight; very desirable.

WOOD'S EARLY FRAME. Similar to Long Scarlet, but not as long; of more brilliant color, should be grown more, as it is several days earlier than the Long Scarlet. The best long forcing variety.

CHARTIER OR SHEPHERD RADISH. A variety of Long Scarlet, originated in Western Pennsylvania. It is exceedingly handsome and attractive, being of a deep crimson color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth; an important feature to the market or family gardener.

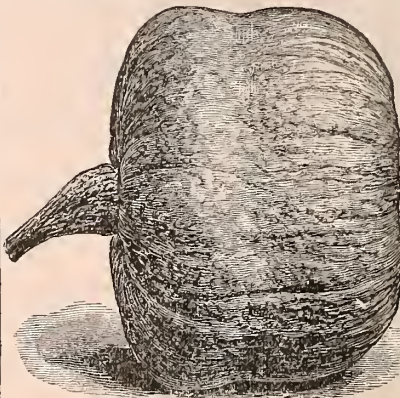
NEW WHITE STRASBURG. This variety is now the most popular summer radish grown. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender, and of a delightful pungent taste. It can be pulled five weeks from the time of sowing the seed, yet it will continue to grow without losing its fine quality, and remain in a tender condition longer than any other summer sort.

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use.

CHINESE ROSE WINTER. Excellent for winter use. Very superior quality.

All varieties, pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 50c.

ESSEX HYBRID. A cross between the Hubbard and Turban, with color, shape and qualities of the latter, and the dryness and hard shell of the former.



ESSEX HYBRID.

WARREN. Similar in shape to the Essex Hybrid, but of richer color; a very deep orange, shells also are thicker, and are rough and warty; claimed to be of better quality than the Essex Hybrid; very popular among market men where known.

BAY STATE. Similar in shape to the Essex Hybrid; shell slate color and harder, and flesh dryer than that variety; of excellent flavor and very solid.

HUBBARD. A favorite winter squash, and more largely grown as a late sort

than any other.

CHICAGO WARTED HUBBARD. A selection from the old Hubbard, with thickly warted shell. A popular strain with most market gardeners. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GOLDEN HUBBARD. A new and distinct variety, similar in shape to the Hubbard, but color of shell is a rich orange red; early and of excellent quality. See colored pages. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 90c.

GREEN MOUNTAIN. A new variety with uniformly round fruit; larger than the Hubbard. Claimed by the introducers to be the best winter squash of late introduction. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

MARBLEHEAD. Shell light slate color, flesh lemon color, dry, sweet, and of finest flavor; good keeper.

BUTMAN. Resembles the Hubbard; thick shell and thick meated, lemon colored flesh, dry, sweet and delicious.

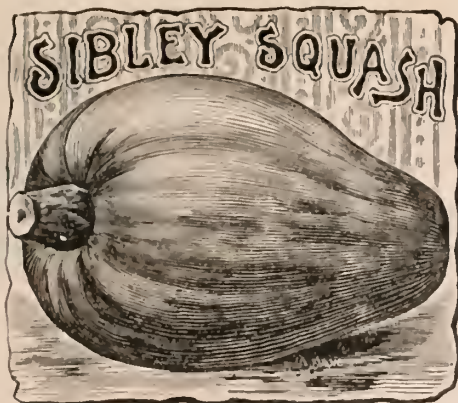
MAMMOTH CHILI. The largest variety in cultivation, a squash having been grown in Nova Scotia that reached the enormous weight of 292 pounds.

All varieties (except where noted), pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

We Make Special Prices to Market Gardeners and to All Large Buyers.

LARGE WINTER CROOKNECK. Vines resemble those of the pumpkin; seldom troubled by borers, very productive, of fair quality.

SIBLEY. The shell is pale in color, very hard and flinty, being at the same time thin and smooth; flesh is solid, thick, vivid, brilliant orange color, and is possessed of rare edible qualities, being dry, and really wonderful for fineness of grain and the rich and delicate flavor peculiarly its own. The weight ranges from eight to eleven pounds. Will keep to the last of March in a sound state.



All varieties (except where priced), pkt. 5c, oz. 10c, 2 oz. 15c, ½ lb. 20c, lb. 60c.

Tomato. **EARLY BIRD.** An extra early variety. See description, colored pages. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 50c, ½ lb. 85c.

ATLANTIC PRIZE. With the exception of the Early Bird the earliest variety. A decided improvement on the small, rough and generally inferior extra earlies of previous introduction. Compares favorably with the later sorts in size, form, color and quality; color bright red.

FORDHOOK FIRST. An early variety, of medium size and fine quality; round, skin smooth, pinkish purple; seldom cracks, productive.

IMPERIAL. One of the best in cultivation, early and very productive, solid and of the best quality. See special description, colored pages. Pkt. 5c, ½ oz. 15c, oz. 25c, 2 oz. 40c, ½ lb. 75c.

ACME. An old, well-known variety, of medium size, round and smooth; color glossy red, with purplish tinge.

LIVINGSTON'S EARLY PERFECTION. An improved Acme with red skin, somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season.

LIVINGSTON'S FAVORITE. One of the best and largest perfect-shaped red tomatoes in cultivation. Ripens evenly and as early as any other good red sort. Very prolific, good flavor, few seeds, flesh solid.

LIVINGSTON'S BEAUTY. A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. Color a very glossy crimson, with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size late in the season.

PONDEROSA. Very large, solid and of good flavor. Specimens have been grown to weigh four pounds; color bright red; very few seeds. Pkt. 10c, ½ oz. 25c, oz. 40c, 2 oz. 75c, ½ lb. \$1.25

LIVINGSTON'S STONE. This has steadily increased in favor with market gardeners on account of its exceptional firmness and great productiveness. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, thicker from stem to blossom end than most varieties, perfectly smooth, making it very handsome and saleable.

OUR SPECIAL OFFER. To purchasers of Seeds in Packets and Ounces when not over Ten Cents per Packet or Ounce, allows them to select additional seeds as follows:

For 25 cents	Seeds may be selected amounting to	35 cents
For 50 cents	“ “ “ “	75 cents
For \$1.00	“ “ “ “	\$1.60

Packets, Ounces and Quarter Pounds, by Mail Postpaid.

Salsify, or Oyster Plant.

SANDWICH ISLAND MAMMOTH. A new and larger growing variety than the old sort. It is claimed of finer flavor. Pkt. 5c, oz. 10c, 2 oz. 20c, ½ lb. 30c, lb. \$1.00.

Spinach. **ROUND THICK LEAVED.** The popular variety. Good for either fall or spring planting.

LONG STANDING. Remains for a longer time than other varieties without running to seed; leaves thick and fleshy. A valuable variety.

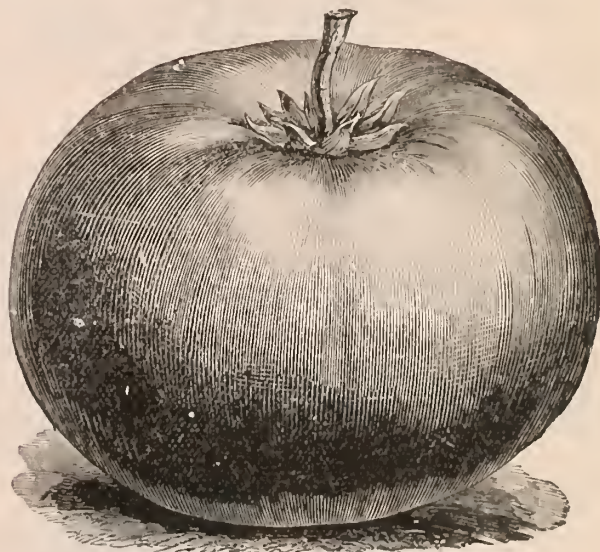
SAVOY LEAVED. The earliest variety; leaves curled and crinkled like the Savoy Cabbage. Should be sown in the fall only, as it runs quickly to seed if sown in the spring.

Each of above, pkt. 5c, oz. 8c, ½ lb. 15c, 1 lb. 20c, lb. 35c.

We issue no catalogue for market gardeners, preferring to quote **SPECIAL PRICES** to large buyers.

We make a **Liberal Discount** on Spinach seed in large quantities.

DWARF CHAMPION. Vines dwarf and compact, grow upright and stiff; can be planted closer than most varieties, early and productive. Fruit resembles the Acme.



THE STONE.

DWARF ARISTOCRAT. Similar to Dwarf Champion, but fruit is rich glossy red.

LIVINGSTON'S GOLDEN QUEEN. "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large, ripens early, and is the most beautiful yellow variety ever sent out.

We can also supply the following well-known varieties: Paragon, Pear-Shaped Yellow, New Peach, Pear-Shaped Red, Mikado, Mayflower. Pkt. 5c, ½ oz. 12c, oz. 20c, 2 oz. 35c, ½ lb. 60c.

All varieties (except where priced), pkt. 5c, ½ oz. 12c, oz. 20c, 2 oz. 35c, ½ lb. 60c.

Write your orders plainly and, if possible, on enclosed order sheet. Do not mix orders for seeds and plants; (write the order for seeds on one side and for plants on the other or on a separate sheet.) Read carefully on page 25 what we say regarding remittances for postage on Beans, Peas, Corn or Seeds by the pound if desired sent by mail, and if ordered sent by express be sure and give name of the Town or City (if different from Post Office.)

If you will carefully observe and follow these suggestions we will guarantee to send you good seeds well packed and **Promptly**, and also to rectify any mistake we might make.

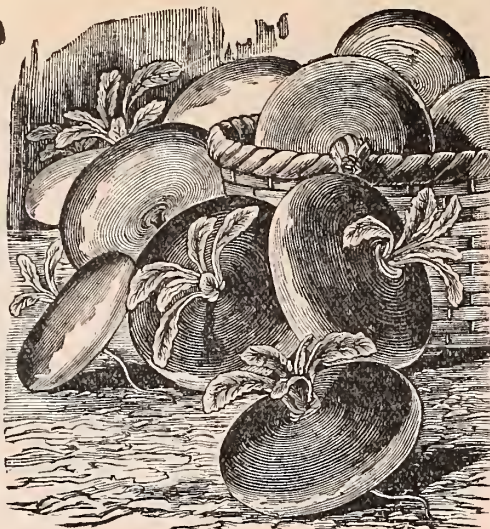
DO NOT FORGET the Small Fruit Plants. A GOOD SELECTION can be Made from Our List at SMALL COST.

Turnip

WHITE MILAN.
The earliest, showiest and best early white turnip ever offered. The pure white roots are very smooth and handsome, tops are small, upright and compact allowing close planting.

EARLY PURPLE TOP MILAN. Similar to the White Milan but a little flatter and purple on the top, an excellent variety. Superior to the well-known Purple Top Flat.

Each of above,
Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 25c, $\frac{1}{4}$ lb. 40c, lb. 75c.



PURPLE TOP MILAN.

EARLY SNOWBALL. Pure white, round, of medium size, and fine quality. Fit for use six weeks after planting.

WHITE EGG. A quick grower, fine grained, and of a very mild flavor. One of the best of the early fall turnips.

EARLY PURPLE TOP FLAT STRAP LEAF. Grows quickly and is of mild flavor. The most popular variety of all for early use, and grown extensively for fall and winter.

GOLDEN BALL. Rapid grower, excellent flavor, globe shape and of beautiful bright yellow.

YELLOW ABERDEEN. Very hardy and an excellent keeper.

PURPLE TOP WHITE GLOBE. An early variety, resembling the Purple Top Strap Leaf, except in shape. The best for market.

YELLOW GLOBE. One of the best varieties for general crop. Flesh very firm and sweet; and keeps well until late in the spring.

All varieties, (except where priced), Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{4}$ lb. 30c, lb. 45c.



SWEDISH, RUSSIAN . . . OR RUTA BAGA.

WHITE FRENCH, OR ROCK. A very delicate flavored variety; an excellent keeper; fine for table. Pkt. 5c.

SWEET GERMAN. A white, globe-shaped sort. Superior for table use; of most excellent quality; good keeper.

BREADSTONE. A medium sized quick growing variety; white, faintly colored at top; exceptionally tender and sweet. One of the best table varieties. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

BUDLONG. Originated in Rhode Island by Mr. Budlong, a very extensive grower of Ruta Bagas. Earlier and rounder than other white varieties of this class. An excellent strain. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 30c, lb. 60c.

SHAMROCK. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong.

LONG ISLAND IMPROVED. This is undoubtedly the finest variety of Purple Top Ruta Bagas, and is purely of American origin. It is twice the size of ordinary American stocks,

All varieties (except where priced) Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{2}$ lb. 20c, $\frac{1}{4}$ lb. 30c, lb. 45c.

POT HERBS.

	PKT.	oz.		PKT.	oz.
CARAWAY,	\$.05	\$.10	SAGE,	\$.05	\$.20
CORIANDER,	.05	.10	SUMMER SAVOY,	.05	.20
DILL,	.05	.15	SWEET MARJORAM,	.05	.20
FENNEL,	.05	.15	THYME,	.05	.40

GRASS SEEDS. Ross Bros. Special Mixtures for Hay and Permanent Pasture.



These mixtures are made from a number of (ten or more) varieties which the experience of many leading farmers have led them to believe are the best adapted to the average soil, mixed by us in such proportions as careful observation, research, and the experience of others has shown to be the most desirable for the average soil, (varying the varieties and quantities somewhat when desired for especially heavy, light, wet or dry soils,) our aim being to offer not only a mixture that will produce large and nutritious crops but especially such an one as will be **permanent**, whether for hay or pasturage. The advantage of using several varieties instead of the common method of two or three (Timothy, Clover and sometimes Red Top), ought to be quickly apparent to any thinking farmer. These advantages are, for Hay, **earlier, more and larger crops**; for Pasture, **early and continued feed**, and for both, **permanency**. In connection with this we wish to mention that a large proportion of those who have been convinced of the desirability of using a larger number of varieties than they formerly had, have also come to the conclusion that the amount of seed usually sown was insufficient to produce the best results, and their advice to others now is **sow more varieties and more seed**.

The Economy which leads some to buy the Cheapest Seed Regardless of Results is often the Greatest Extravagance.

OUR SPECIAL MIXTURE FOR HAY.

ROSS BROS. SPECIAL MIXTURE FOR PERMANENT PASTURE Which Will Last For Years Without Renewal.

AND WILL FURNISH GOOD FEED FROM EARLY TO LATE IN THE SEASON.

THIS mixture is a combination of biennial and perennial varieties, which from the first, and for years will afford early and successive crops larger by at least one-third and more nutritious than from the old method, and will last from ten to twenty years without renewal, is designed for the AVERAGE SOIL (neither too wet or too dry), and can be sown in either the spring or fall. We advise a sowing of not less than 40 pounds (including clovers), to the acre. Per lb. 14c; 100 lbs. and over, 13c per lb.

In the above quantity for one acre should be included 6 pounds of mixed clovers, but which, on account of their greater weight, should be sown separately and IN THE SPRING, as in this latitude they are tender.

If a mixture is needed for an especially light, heavy, wet or dry soil, let us quote you price on it.

For every kind and condition of soil there are grasses which are particularly adapted to it. Some species succeed best on wet or moist, and some on dry soil. Some mature or are at their best very early; some later, and others very late, so that if a considerable number of these different species and varieties were used in a mixture for a pasture there would be no time, from the first of the season to the last, when some kind would not be at its best and furnish continual feeding for stock.

This mixture is made of a selection of such grasses, and may be relied upon to afford from the first, early and continual feed, and to make a permanent pasture, such as would be impossible to obtain by common manner of seeding. Sow 40 pounds to the acre, including 6 pounds of mixed clovers, which should be sown separately for same reasons given under head of Mixture for Hay. Per lb. 14c, 100 lbs. and over 13c per lb.

GRASS SEEDS--GENERAL LIST.

Prices for Large Quantities on Application. All Prices Variable and Subject to Change Without Notice.

RHODE ISLAND BENT. (*Agrostis Canina*.) An excellent variety for lawns and permanent pastures. Grows naturally in poor soils. Lb. 20c.

RED TOP. (*Agrostis Vulgaris*.) A good permanent grass; excellent for lawns, pastures, etc., and for sowing with Timothy and Red Clover. Lb. 6c.

RED TOP. Fancy, cleaned from chaff, containing nothing but pure seed. Lb. 12c.

MEADOW FOXTAIL. (*Alopecurus Pratensis*.) A very valuable grass for permanent pastures on account of its early and rapid growth, and of its being relished by all stock. Thrives best on rich, strong, moist soil. No grass bears a hot sun better, nor do frequent mowings or continual feeding of stock injure it. It should be used in all pasture mixtures and, on account of its early verdure, is valuable for lawns. Lb. 30c.

SWEET VERNAL. (True Perennial.) (*Anthoxanthum Odorum*.) Valuable for permanent pastures on account of its early and continued growth, throwing up root stalks until late in the autumn; frequently found growing naturally in upland pastures. Very fragrant, imparting a pleasing odor to hay. Stock are very fond of it. Is not generally considered of much value for hay on account of its thin stalks and scanty foliage, but should be used in moderate quantities in all pasture mixtures. Valuable also for lawns, Lb. 60c.

TALL MEADOW OAT GRASS. (*Avena Elatior*.) Of early, rapid, late and luxuriant growth, making it a very valuable sort for pastures. Succeeds best on deep, sandy soils. Used by some for soiling. Lb. 20c.

ORCHARD GRASS. (*Dactylis Glomerata*.) One of our most valuable grasses, thriving on all soils, and should form a considerable part of all mixtures for hay or pastures. The objection urged against it because of its tendency to grow in clumps is almost entirely removed, when used in mixtures. It is of early and rapid growth, and no variety yields a greater amount of aftermath. It bears repeated cutting for hay and the continual cropping of cattle better than most other grasses. Cut at the proper stage, it makes a much better hay than Timothy, is greatly preferred by animals, will yield much larger crop, and is more nutritious. Lb. 14c.

HARD FESCUE. (*Festuca Duriscula*.) While not a productive variety, it is a very valuable one on account of its very fine quality, its power to withstand drought, and to thrive well in dry situations where many others would fail, and should form a part of all hay, pasture and lawn mixtures. Lb. 15c.

MEADOW FESCUE. (*Festuca Pratensis*.) A very valuable grass, and should be in all permanent mixtures, both for hay and past-

ures designed for moist soils. Cattle are very fond of it either as grass or hay. It does not reach its greatest productiveness until the second or third year, but when fully established, it is one of the best permanent varieties. Lb. 20c.

TALL FESCUE. (*Festuca Elatior*.) Also a valuable variety; very similar to the *Festuca Pratensis*, but taller, of stronger growth and about two weeks later. Should be in all mixtures for moist land. Lb. 25c.

CRESTED DOG'S TAIL. (*Cynosurus Cristatus*.) A valuable grass for sheep pastures, on dry, hard soil and hills. Often used in lawn mixtures. Lb. 40c.

ITALIAN RYE GRASS. (*Lolium Italicum*.) An oft quoted writer says of this grass: "It occupies the same place in Great Britain that Timothy does with us, and is there esteemed on the whole higher than any other species of grass. Of all the varieties of *Lolium Perenne* which are known that called *Italicum* is by far the most valuable."

Another eminent authority sums up its valuable qualities as follows: "Its earliness, rapid reproduction after cutting, the extreme partiality manifested by all domestic animals for it when used either as soiling, hay or pasturage, and its influence on the dairy not only increasing the flow of milk, but improving the flavor of the cheese and butter made from it." It is at its best on moist or irrigated meadows, but is valuable on a great variety of soils. Lb. 12c.

KENTUCKY BLUE GRASS. (*Poa Pratensis*.) Thought by some to be the most valuable of all pasture grasses. Early and of luxuriant growth, and will furnish continual grazing until late in the fall. It requires several years to become thoroughly established as a pasture grass. It grows well on all soils and localities; stands the extremes of heat or cold better than any other variety. Not recommended for hay, but should be in all mixtures for pastures, and also lawns. Extra clean seed. Lb. 15c.

FOWLE MEADOW. (*Poa Serotina*.) Grows abundantly in almost every section of New England, and in portions of the Middle and Western States, especially where it has been introduced and cultivated in suitable ground, such as the borders of rivers and places occasionally flooded. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It is easily made into hay, and is nutritive and valuable grass. Does best used in mixtures. Sow same quantity as Red Top. Lb. 25c.

TIMOTHY. (*Phleum Pratense*.) One of the commonest and best known grasses. For a hay crop it is perhaps the most valuable, especially in the Northern States. It is, however, often used when probably some other variety would be more suitable. (45 lbs to bush.) Lb. 8c., 100 lbs. \$6.00

We Do Not Send Grass Seeds Postpaid. If Small Quantities Are Desired Sent by Mail, Add 8 Cents Per Pound to Price Quoted.

MILLETS.

HUNGARIAN GRASS. Splendid forage crop for light land. On rich land two crops may be grown the same season. Withstands drought and yields abundantly. (48 lbs. to bush.) Bush. \$1.00.

COMMON MILLET. Very similar to Hungarian; a little more branching in its growth. (50 lbs. to bush.) Bush. \$1.25

GOLDEN OR GERMAN MILLET. A heavier cropper than the Hungarian, and needs a longer season and a stiffer soil; stands up well. is easily cured, makes a coarse, harsh hay, which is greedily eaten by all live stock. (50 lbs. to bush.) Bush. \$1.25.

CLOVERS.

MEDIUM RED OR JUNE. This is the common Red Clover, used more largely than any other for hay and pasture. 10 pounds to acre. Lb. 14c., 100 lbs. \$13.00

RED MAMMOTH CLOVER OR PEA VINE. It is a vigorous grower, with large, coarse stalks, five to six feet high; used largely for plowing under for manure. 10 lbs. to the acre. Lb. 15c., 100 lbs. \$14.00

ALSIKE OR SWEDISH. Unexcelled for hay, and a wonderful cropper. All farmers who have tried this unite in pronouncing it the best of all clover hay. It is perennial and very hardy. Very valuable both for pasturage and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Will produce a good crop on low, wet land. Lb. 16c.

WHITE. Valuable for lawn and pasture mixtures. Lb. 25c.

CRIMSON CLOVER. (Also called Scarlet or Italian.) An annual variety in common use in Italy and the south of France for feeding green. The yield in fodder is immense. In warm climates four or five cuttings are made during the season. Lb. 12c.

ALFALA OR LUCERNE CLOVER. Valuable as a forage plant for light, deep, dry soil, the roots penetrating so deep that it stands severe drought without injury. Lasts for years when once established. Lb. 15c.

THE WORCESTER LAWN GRASS.

Selected Varieties—Blended in
Right Proportions.

Will Make a Firm, Close Turf,
Green and Beautiful from Early
Spring Until Fall.

No Purer, Cleaner, Heavier or Better Lawn Grass Seed Ever Offered.



THE Worcester Lawn Grass consists of such varieties as will, when combined, produce an early, continual and late growth, making the lawn at all times, from early spring until fall, a mass of rich, deep green. It is made of EXTRA CLEAN seed only, as free from weed seed as it is possible to make grass seeds, and will be found to be adapted to the average soil. Weighs about 32 pounds to the bushel, but is sold only by weight. 1 lb. pkg, 25c, 4 1/2 lb. pkg, \$1.00, in 10 lb. lots or over in bulk, per lb. 20c.

It would be no better if the prices were twice as high.

It could not be as good if the prices were only half as much.

MISCELLANEOUS SEEDS.

BARLEY. Largely used for sowing in July and August for fall feed, for which purpose sow from two to two and one-half bushels per acre. (48 lbs. to the bushel.) Bush. 90c.

OATS. Growing more and more in favor for early green fodder. We have taken all possible pains to secure oats that were free from foul seeds, have then re-cleaned them, and have had a largely increased trade thereby. We make this year again a low price considering the superior quality. In our opinion the economy which leads one to save a few pennies on a bushel of oats is quite likely to be extreme extravagance. Buy the best and SAVE MONEY. Bush. 50c.

RYE. (Spring.) Our trade is also increasing on this grain. It is used in this section as oats are, almost entirely for soiling purposes. For this purpose sow one and one-half bushels to the acre. (56 lbs. to bush. Bush. \$1.25.

WHEAT. (Spring.) Leading varieties. Bush. \$2.00.

BUCKWHEAT. (Japanese.) Earlier, larger and yields much better than other sorts. Bush. \$1.25.

CANADA PEAS. Used extensively for sowing with oats for soiling. When thus used, sow one bushel to the acre. Bush. \$1.50.

VETCHES. Used the same as the preceding. Sow with oats from one-half to three-quarter bushel. Bush. \$2.75.

KAFFIR CORN. This plant seems to be increasing in popularity as a forage crop. In habit of growth it is low, stocky, perfectly erect, does not stool from the root, but branches from upper joints. The stalks are tender and juicy, and are used entire, as well as the blades, both for green and dry fodder, and are readily eaten by horses and cattle. The grain has already become a popular food for poultry and pigeons in many sections where the plant has not been cultivated. It cannot be relied upon to mature seed in New England. Lb. 12c, lb. by mail, postpaid, 20c, 15 lbs. \$1.00.

We offer, under the head of Poultry Supplies, Kaffir Corn, for feeding, at a considerably lower price.

COW PEAS. Used largely as a green crop for plowing under, the demand seeming to increase year by year for that purpose. Also used in the South for a green summer feed for sheep, and to a limited extent in the North for the same purpose. 2 bushels to the acre. Pk. 60c, bush. \$2.00.

Where price is quoted on grass seeds by the pound only, there is usually a liberal discount when purchased in large quantities, which, from the tendency of the grass seed market to greatly vary, we prefer to make on application only.

We Do Not Send Grass Seeds Postpaid. If Small Quantities Are Desired Sent by Mail, Add 8 Cents Per Pound to Price Quoted.



GENERAL LIST

Select
Flower Seeds.

See Our Wonderfully Low Special Offer to Purchasers of Seeds in Packets and Ounces.

Page 25.

POSTAGE PREPAID on all Flower Seeds at Prices Quoted. Please Order by NUMBER and Avoid Mistakes.

Ageratum. Favorite annual plants; profuse bloomers, growing from six inches to two feet in height. The tall varieties are very suitable for planting in clumps or masses, producing a striking effect and furnishing an abundance of cut flowers. The dwarf varieties are very desirable for edgings, and either make excellent pot plants.

1. **Mexicanum.** Lavender blue, 2 ft. 5c.
2. **Album.** White, 2 ft. 5c.
3. **Little Dorrit.** Azure blue, very dwarf and compact, ½ ft. 5c.
4. **Imperial Dwarf.** White, ½ ft. 5c.

Alyssum. Hardy Annuals. Well known favorite plants, needing no comment or description.



SWEET ALYSSUM.

of foliage will be better if planted on rather poor soil; half hardy annuals.

7. **Caudatus** (Love-lies-bleeding.) Long, drooping flower spikes, dark red, 5c.
8. **Tricolor.** (Joseph's Coat.) Red, yellow and green foliage, 3 ft. 5c.
9. **Salicifolius.** (Fountain Plant.) Graceful, drooping leaves, varying from green to bronze, banded and tipped with carmine, 5c.
10. **Mixed Varieties,** including above and others, 5c.

Antirrhinum. (Snap Dragon.) Old favorite border plants; half hardy perennials, flowering first year from seed sown in spring.

11. **Tall Varieties.** Mixed colors, 2 ft. 5c.
12. **Dwarf, or Tom Thumb Varieties.** Mixed, 1 ft. 5c.

Asters. One of the most deservedly popular annuals, too well known to need description. Half hardy.

13. **Queen of the Earliest.** The earliest to flower, of branching habit; a profuse bloomer; pure white flowers borne on long stems; 1 ft., 10c.

5. **Sweet Alyssum.** Fragrant white, 1 ft. 5c, ½ oz. 15c, oz. 25c.

6. **Little Gem** Dwarf growing, but a few inches high, of spreading or trailing habit, but forming compact masses of bloom often a foot or more in diameter; very useful for edgings. 5c.

Amaranthus. Ornamental foliage and flowering plants, very showy and interesting, of rapid growth and easy culture; color

14. **Truffauts Pæony Flowered.** Fine large flowers, incurved petals. One of the best, 1½ ft. Choicest mixed colors, 10c.

15. **Victoria.** But few varieties equal this, and none excel it. Flowers very full and large, with down-curved petals. A very fine bloomer. Colors beautiful and varied; 1½ ft. Choicest mixed colors 10c.

16. **Triumph.** Plants eight inches high, covered with large, handsome, perfectly formed flowers of the most faultless pæony form. The color is a peculiarly rich and intensely brilliant scarlet; 10c.

17. **Comet.** This distinct class of Asters resembles very much the Japan Chrysanthemum in size and shape of flowers. They have a wide range of handsome colors, and are free bloomers. 1½ ft.; choicest mixed colors, 10c.

18. **Comet, Giant White.** This variety is an improvement on the well-known White Comet Aster. The plant is taller and the flowers are of extraordinary size; 2 ft. 10c.

19. **Betteridges Quilled.** Flowers composed of tube or quill-shaped petals. This is an improved strain, with large, double flowers, and of beautiful colors, 2 ft.; mixed colors, 5c.

20. **Semple's Branching.** Of very branching habit and a strong grower; flowers large, often four inches in diameter. Valuable as cut flowers on account of their long stems; very double, beautiful colors. One of the best late flowering varieties, 1½ to 2 ft. Choicest mixed colors, 10c.

21. **Our Mixture** of above varieties, 10c.

22. **Good Mixed,** many varieties, 5c.

Aquilegia. (Columbine.) Hardy herbaceous perennials, deserving a place in every collection of perennials. Flowers curiously and gracefully formed and beautifully colored, of easy culture.



BALSAME. (Camellia Flowered).

23. **Choicest Mixed Colors,** single and double, 2 to 3 ft., 5c.

Aristolochia Siphon. (See Dutchman's pipe.)

Balsams. These old garden favorites have been greatly improved in recent years, having much fewer single blossoms than formerly. The Camellia flowered especially are very fine. Half hardy annual, 2 ft.

24. **Camellia Flowered,** mixed colors, 10c.

25. **Good Double Mixed,** 5c.

26. **Balloon Vine.** (Love in a Puff.) (*Cardiospermum Halicacabum.*) An annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed vessels, somewhat resembling a balloon; 10 to 15 ft., 5c.



COMET ASTER.

Do Not Forget the Roses and Shrubs. Remember Our Prices are Very Low and they are all Sent Postpaid.

Bachelor's Button. (Corn Flower or Blue Bottle.) (*Centaurea Cyanus.*) Well known favorites, hardy annuals, flowering early and continuously until autumn; white, blue and pink; 2 to 3 ft.

27. **Mixed Colors**, single and double, 5c.

Calendula. (Pot Marigold.) Free and continuous blooming annuals of dwarf, bushy habit, very desirable either for summer garden or for winter pot plants; of easiest culture; 1 ft.

28. **Meteor.** Light golden yellow, striped with deep orange, 5c.

29. **Prince of Orange.** Similar to Meteor, but darker, 5c.

30. **Queen of Triannon.** Bright canary yellow, with maroon center, 5c.

Calliopsis or Coreopsis. One of the most graceful and satisfactory hardy annuals, profuse and continuous bloomers, sometimes called "Bright Eyes." Flowers brilliant yellow, orange, crimson red and brown, spotted or margined with different shades, of easy culture and succeeding in nearly all soils and situations. 1 1/2 to 2 ft.

31. **Golden Wave.** (Drummondii.) Bushy and compact; flowers two inches across; beautiful golden yellow, 5c.

32. **All varieties mixed**, 5c.



CANDYTUFT TOM THUMB.
high, 5c.

Candytuft. (*Iberis.*) Well known, popular hardy annuals, of easiest culture, useful in beds, for edgings or for cutting.

33. **Rocket, White.** Large trusses, 1 ft. 5c.

34. **White Fragrant**, 1 ft. 5c.

35. **Tom Thumb.** Very dwarf, four to six inches high, mixed colors, 5c.

36. **Fine Mixed**, 1/2 oz. 15c, 2 oz. 25c. 5c.

37. **Semper virens.** (Perennial.) A hardy dwarf, early flowering variety, well adapted for rockeries, etc., or for front rows of perennial borders; about ten inches

38. **Canary Bird Flower.** (*Tropaeolum Peregrinum.*) A favorite half hardy annual climber of rapid growth, bearing curiously formed yellow flowers having a fancied resemblance to a canary bird; blooms from July until frost; 10 to 15 ft., 5c.

Canterbury Bells. (*Campanula Media.*) Hardy biennials, flowering the first season if sown early, of handsome stately growth. Flowers of rich colors and abundantly produced. They succeed best in light rich soil. Transplant two feet apart; 2 1/2 ft.

39. **Single and double mixed**, 5c.

Carnations. (*Dianthus Carophyllus.*) Half hardy perennials; too well known to need description.

40. **Marguerite.** Flowering in a few months from seed. Most abundant bloomers; flowers very double, ranging through beautiful shades of red, pink, white, variegated, etc. These sown in spring commence flowering in summer, and continue to bloom until checked by frost. They can be potted and taken in the house, and will flower abundantly throughout the winter, though if intended for winter flowering, it will be better to sow later in the season. Mixed colors, 10c.

41. **Choicest Double**, mixed colors, 10c.

Castor Bean. (*Ricinus.*) Well known tender annuals. Tall, stately, majestic plants of very rapid growth, with palm-like leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups; 6 to 15 ft.

42. **Choice varieties mixed**, 5c.

Cosmos. Rapid growing, graceful plants, with beautiful feathery foliage, bearing flowers which resemble the Single Dahlia. The mammoth varieties should be sown in the house in March and transplanted in June, or but few flowers will show before frost. The new Early Flowering, however, can be sown in open ground in May, and will flower in July. Hardy annuals, 4 to 8 ft.

43. **Mammoth Perfection**, choice mixed, 5c.

44. **New Early Flowering**, choice mixed, 10c.

Chrysanthemum. D deservedly popular plants, of easy culture, of compact and thrifty growth; useful for bedding and furnishing an abundance of cut flowers. Colors, crimson, maroon, gold, white, etc. Hardy annuals, 12 to 18 inches high.

45. **Mixed Carinatum and Corinatum varieties** (single and double), 5c.

Clarkia. Favorite hardy annuals, bearing beautiful, delicate, rose-colored, purple and white flowers; profuse bloomers, of easiest culture, 1 1/2 ft.

46. **Fine mixed**, 5c.

Cobea Scandens. Beautiful, rapid growing climber, with showy foliage, bearing flowers which are at first green, changing soon to a deep violet blue or purple; Tender Perennial; 20 to 30 ft., 10c.

48. **Cockscomb.** (*Celosia Christata.*) Popular annuals, producing flowers which somewhat resemble a cock's comb, of various colors, rose or crimson the most striking; of easy culture, Choicest mixed, 5c.

49. **Cockscomb Feathered.** (*Celosia Plumosa.*) Of branching habit, producing large, graceful, plume-like flowers, beautiful and effective; 20 to 30 ft., 10c.

Cypress Vine. (*Ipomoea Quamoclit.*) A very popular climber with delicate, feathery foliage, bearing small star-shaped rose, scarlet and white flowers, presenting a very pleasing contrast with the beautiful dark green foliage. Tender annual. 12 to 15 ft.

50. **Mixed Colors**, 5c.

Daisy. Well known favorites, perennials flowering first season if sown early in the house. Excellent for edging or massing; 1/2 ft.

51. **Choicest double mixed**, 10c.

Datura. Strong, vigorous plants of branching habit, bearing large trumpet-shaped flowers six to eight inches long and very fragrant. Tender annuals, 3 ft.

52. **Choicest mixed**, 5c.

Delphinium. (Perennial Larkspur.) Old, well-known hardy perennials, differing greatly in habit of growth, bearing flowers of diversity of shades, the principal color, blue, ranging from light to the darkest purple, all being shaded with some other color; 1 1/2 to 5 ft. (For annual varieties see Larkspur.)

53. **Elatum** (Bee Larkspur), 5 ft., mixed, 5c.

54. **Nudicaule.** Flowers scarlet, 1 1/2 ft., 10c.

55. **Dutchman's Pipe.** (*Aristolochia Siphon.*) A beautiful, rapid growing climber, bearing curiously formed purplish brown flowers, thought to resemble in shape a pipe. Hardy perennial; 15 to 30 ft. 10c.

Eschscholtzia. (California Poppy.) Very showy, hardy annuals with beautiful, delicately cut foliage, bearing bright yellow and scarlet flowers; one of our most attractive annual plants, blooming early and continuously. Succeeds best in light, rich soil, and should be sown where designed to grow, as it does not bear transplanting well; 1 ft.

56. **Finest mixed**, 5c.

Eternal or Everlasting Flower. (*Helichrysum.*) Hardy annuals, the flowers of which are often used for winter bouquets; 1 to 2 ft.

57. **Double Large Flowering**, mixed, 5c.

58. **Euphorbia Variegata.** (Snow-on-the-Mountain.) Hardy annual foliage plant, with green leaves, veined and margined with white; 2 to 4 ft., 5c.

Forget-Me-Not. (*Myosotis.*) Well known favorite perennials, flowering the first season, if sown early in the house.

95. **Fine mixed varieties**, 10c.



ANNUAL CHRYSANTHEMUM.

Foxglove. (*Digitalis*.) Favorite perennial plants of easy culture. Flowers borne on long spikes, 3 to 5 ft.

60. **Mixed colors**, 5c.

Four O'Clocks, or Marvel of Peru.

(*Mirabilis*.) A well known and favorite class of hardy annuals, bearing funnel-shaped flowers, which open at about four o'clock in the afternoon, remaining open until noon next day. The plants are of very bushy, stocky growth, requiring about four feet of space; of easy culture; 2 ft.

61. **Fine mixed**, 5c.

Gaillardia. A class of hardy annuals, some of which, if given root protection, become perennial. Flowers brilliant and attractive, free bloomers; 3 to 5 ft.

62. **Choice mixed** annual varieties, 5c.

Godetia. Attractive, hardy annuals of compact growth, bearing profusely large flowers, beautifully colored; fine bedding plants, of easy culture; 1 to 1½ ft.

63. **Fine Mixed**, 5c.

Gourds. Ornamental, tender annual climbers, bearing curiously formed and colored fruit. Of very rapid growth; useful for covering fences, stumps, etc.; 10 to 20 ft.

64. **All varieties mixed**, 5c.

Gypsophila. Delicate, profuse flowering plants of easy culture.

65. **Muralis.** Of dwarf, compact growth; flowers pink; good for edgings. Hardy annual, ½ ft., 5c.

66. **Paniculata.** A very graceful plant commonly called Baby's Breath; flowers in very small white panicles. Hardy perennial; 1½ ft., 5c.

Heliotrope. Highly prized on account of its delicious fragrance, and also for its duration of bloom. Hardy perennial, blooming first year if sown early in house; 1 ft.

67. **Choicest mixed**, 5c.

Hollyhock. An old popular flower, which, in its present almost perfect state, is much unlike what it started from, many of them being as double as a rose, and of beautiful and varied colors. One of the best for a background. Hardy perennials, 5 ft.

68. **New Allegheny.** (See colored pages.) 10c.

69. **Choicest double mixed**, 10c.

Hyacinth Bean. (*Dolichos*.) A climbing plant with spikes of purple and white flowers, which are followed by seed pods of very ornamental appearance. Tender annual, 10 to 15 ft.

70. **Mixed**, 5c.

71. **Ice Plant.** (*Mesembryanthemum*.) A trailing plant, with succulent stems and leaves, which have the appearance of being covered with ice crystals; excellent for hanging baskets and rock work. Tender annual, ¾ ft., 5c.

Ipomoea. Rapid-growing annual climbing vines, with ornamental foliage and beautiful, and varied colored flowers. Valuable climbers for the garden and easily grown as the common Morning Glory. 10 to 16 ft.

72. **Bona Nox** (Good Night, or Evening Glory.) Most beautiful, large violet flowers, 5c.

73. **Coccinea.** (Star Ipomoea.) Of wonderfully rapid growth; dense foliage, covered with hundreds of the brightest, small scarlet flowers; very showy, 5c.

74. **Setosa.** (Brazilian Morning Glory.) A grand and luxuriant climbing vine, which twists tightly about its supports. The lobed leaves are from eight to twelve inches across. Flower about three inches in diameter, tinted pink, with a fine pointed star of satiny pink, followed by curious, heavy seed pods; 5c.

75. **Choice mixed**, in large variety, 5c.

Lantana. Favorite rapid growing plants forming small shrubs, profuse and constant bloomers, well adapted for pot culture, and are very effective planted singly in the garden. Tender perennials, flowering first year from seed, if sown early; 1 to 3 ft.

76. **Finest Mixed.** 5c.

Larkspur. An old popular, hardy annual, bearing long spikes of beautiful flowers of greatly varied colors; indispensable in large collections.

77. **Double Dwarf Rocket.** Mixed colors, 1 ft., 5c.

78. **Double Tall Rocket.** Mixed colors, 2½ ft., 5c.

Lathyrus Latifolius. (Everlasting, or Perennial Sweet Peas.) A perennial species of that most popular flower, the Sweet Pea. Very hardy, having long roots, which penetrate to a great depth; of easiest culture, well adapted to rough places; flowers are borne in clusters, and are of different shades of red, white and purple; but few flowers are produced the second year, it requiring three years from seed to become fully established, but is then, and for many years, one of the most satisfactory hard perennials. We wish here to venture a prediction, that the time is coming when much more attention than now is will be paid to hardy flowering perennials. When once well established, they will repay all care given them, and patience exercised in waiting for the time when they will bloom.

79. **Mixed colors**, 6 ft., 5c.

80. **Lavender.** Hardy perennial plant, bearing long spikes of blue flowers; chiefly grown on account of its delicious fragrance, which the plant, when dried, retains for years. 5c.

81. **Linum.** (Scarlet Flax.) A very showy and beautiful hard annual, bearing profusely bright scarlet flowers; 1 ft., 5c.

Lobelia. Pretty, graceful little plants; those of trailing habit being used for hanging pots and rockeries, and those of dwarf, compact habit are excellent for edgings and bedding.

82. **Gracilis.** Light blue, slender trailer, 5c.

83. **Mixed Dwarf** varieties, 5c.

84. **Love-in-a-Mist.** (*Nigella Damascena*.) A favorite annual, bearing blue and white flowers, half hidden by the fine feathery foliage. Known also as Lady-in-the-Green and Devil-in-the-Bush; 1 ft., 5c.

Lupin. Very showy plant, bearing spikes of pea-shaped blossoms of rich and varied colors; a free bloomer and easily grown; hardy annual, 1½ to 3 ft.

84½. **Mixed Colors**, 5c.

Lychnis. Hardy perennials, some of which will flower the first year from seed. Flowers exceedingly brilliant, borne in clusters, and in continuous succession all summer.

85. **Chalcedonica.** Hardy perennial, bright scarlet, 3 to 4 ft., 5c.

Haageara Hybrids. Mixed colors. Can be grown as annuals; white to rich scarlet and many shades of pink. 1 ft., 10c.

Marigold. Well known plants, free and constant bloomers. The African varieties are usually tall, the French more dwarf. Both are great favorites.

86. **African Double**, mixed, 2 ft., 5c.

87. **African, Eldorado.** Flowers very large and extremely double; quilled like a Dahlia; various shades of yellow and orange. 3 ft., 5c.

88. **Gold Nugget.** Of dense and dwarfier growth than other African varieties, blooms continually from July until frost, flowers very double and of a beautiful shade of golden yellow. 1½ ft., 5c.

89. **French Double**, mixed, 1 to 1½ ft., 5c.

90. **French Legion of Honor.** A beautiful single variety of dwarf and bushy habit, rich golden yellow, with garnet blotch in center of petal. 1 ft., 5c.

Mignonette. One of the best known annuals, deliciously fragrant. Can be had in bloom continually through the summer if successive sowings are made. Succeeds best in a cool situation.

91. **Sweet Mignonette.** Large flowered; 5c., oz., 10c.

92. **Miles' Hybrid Spiral**, 5c.

93. **Parson's White.** Nearly white, fragrant, 5c.

94. **Golden Queen.** Flowers golden yellow. Growth dwarf but dense, 5c.

95. **New Quaker City.** Flowers a handsome gold red, rich and fragrant, foliage very dark; 5c.

96. **New Giant Flowered Red.** Form pyramidal, quite distinct, very striking and handsome, 5c.

97. **Choice Mixed.** Our own mixture of the above and other varieties. 5c, oz. 25c

Remember, We Make a Lower Price than Others On Named Varieties of Dahlias, And Send Postpaid If So Desired.

Nasturtium, Tall. (*Tropæolum Major.*) These well known plants need no description. It is sufficient to say that if we could have but one flower it should be by all means the Nasturtium. No other plant with so little care produces such an abundance of graceful, beautiful flowers.

97½. **Hybrids of Madame Gunter**, new and distinct; flowers and foliage greatly varied. 10c; oz. 25c.

98. **Fine Mixed**, all colors, 5c; oz. 10c; ¼ lb. 30c.

Lobb's Nasturtium. (*Tropæolum Lobbianum.*) Both the foliage and flowers of this class are smaller than the preceding but the intense brilliancy of the flowers, their more varied hues and the wonderful profusion of bloom makes this class more desirable to those who have grown them.

99. **Lobb's Finest Mixed**, all colors, 5c; oz. 15c; 2 ozs. 25; ¼ lb., 40c.

100. **Sunlight.** New giant flowered, foliage handsome light green; flowers of a beautiful golden yellow, of enormous size, the petals are large, round and dainty crinkled.

101. **Moonlight.** A fitting companion for the preceding. Flowers of equal size, of a lovely straw color and have the same crinkled effect. Each 10c; oz. 20c.

Nasturtium Dwarf. (*Tropæolum Minor.*)

102. **Aurora** chrome yellow, veined with carmine.

103. **Bronze Color**, copper bronze.

104. **Chameleon.** Splashed crimson, bronze and yellow.

105. **Cloth of Gold.** Golden foliage, flowers scarlet.

106. **Empress of India.** Foliage very dark, flowers brilliant crimson.

107. **Golden King.** Foliage dark, flowers golden yellow.

108. **King Theodore.** Foliage dark, flowers scarlet maroon.

109. **Pearl.** Very pale yellow.

110. **Rose.** Delicate rose, very attractive.

111. **Spotted Yellow Orange**, with dark chocolate spots.

Above varieties each, Pkt., 5c; oz. 15c; 2 ozs. 25c; ¼ lb. 40c.

Collection of above, ten varieties, thirty-five cents. Our special offer not to apply on this.

Pansy. 112. **Trimardeau.** Is of French origin, the flowers are the largest of any variety; each flower is marked with three large blotches or spots quite distinct. Mixed colors. 10c.

113. **Odier, or Five-Blotched.** Beautifully colored, each petal marked with a large, dark blotch. Extra choice strain, mixed colors. 10c.

114. **Extra Large Flowered.** Mixed English, French and German strains. 10c.

115. **Giant Mixed.** Our own mixture of above and other choice mammoth strains, 15c.

116. **Choicest German** mixed, 10c.

117. **Choicest English** mixed, includes the English Face Pansy, 10c.

118. **Good Mixed.** 5 cents.

Petunia. Well-known tender perennials, flowering the first year from seed, profuse bloomers and of easy culture, one of the most popular plants in cultivation.

119. **Large Flowered** mixed, 10c.

120. **Finest Striped and Blotched.** Saved from striped and blotched varieties only. 10c.

121. **Inimitable Dwarf.** Compact, eight inches in height, covered with regularly striped flowers. 10c.

122. **Fine Mixed.** 5 cents.

Phlox Drummondii. A very popular annual. But few flowers are more showy or beautiful, or can be cultivated with greater ease. Their long duration in bloom, combined with their almost unequalled richness of color, render them of invaluable service in the general flower garden; ¾ to 2 ft.

123. **Grandiflora.** Large flowered. Fine mixed. 10c.

*124. **Nana Compacta, Dwarf.** Fine mixed. 10c.

125. **Starred and Fringed.** 10 cents.

126. **Choice Mixed.** 5 cents.

Pink (Dianthus.) The China and Japan Pinks of the Dianthus family are deservedly very popular. Half hardy biennials nearly all flowering the first year from seed, profuse bloomers and one of the most desirable flowers for those who have but little time to devote to their culture.

127. **Heddewig's Single Mixed.** (*Chinensis Heddewigii.*) Flowers deeply fringed or feathered; 5c.

128. **Double China.** (*Chinensis, fl. pl.*) A biennial of Dwarf habit; flowers the first year, but the bloom is stronger the second. 5 cents.

129. **Heddewig's Double.** (*Chinensis Heddewigii fl. pl.*) Flowers very large and double, having a diameter of nearly three inches; of various shades of brilliant colors; 5c.

130. **Double Diadem.** (*Diadematus fl. pl.*) Very regular, densely double and of all tints from crimson purple to deep black purple. Half hardy biennial, blooming freely the first season. 5c.

131. **Double Imperial.** (*Chinensis Imperialis, fl. pl.*) Very double and of great variety of colors. About one foot high. 5c.

132. **Double Japan.** (*Chinensis Laciniatus, fl. pl.*) To be appreciated these should be seen; rich in hue, very double, deeply fringed petals—only lacking fragrance to make them perfect. Half hardy biennial, blooming freely the first season. 5c.

133. Our own mixture of above varieties. 5c.

Poppy. Well-known hardy annual, very free bloomer; should be sown where wanted to grow as it does not bear transplanting well; 1 to 2 ft.

134. **Danebrog.** Brilliant scarlet, having a large silvery-white spot on each petal forming a Maltese cross; showy and striking. 5 cents.

135. **The Shirley.** Flowers large, exceedingly graceful and elegant; the colors are varied and range from bluish white rose, delicate pink and carmine, through innumerable tints to bright crimson. 5c.

136. **Tulip Flowered.** Produces large, splendid bright scarlet flowers well above the foliage. The two outer petals of the flower form a tulip cup and after a time black spots appear at the base of each petal. Strikingly beautiful, reminding one of a dazzling bed of tulips; hardy annual; about one foot high. 5c.

137. **Snowdrift.** A Grand variety bearing large pure white double flowers. 5c.

138. **Carnation Flowers.** Choicest double mixed. 5c.

Iceland Poppies. (*Perennial.*) Although hardy perennials, these bloom first year from seed bearing beautiful single satiny, white, yellow and orange colored flowers from early summer until fall; perfectly hardy and of easy culture. 5c.

Portulaca. Well-known tender annuals blooming perfectly from early summer until frost, succeeding best in warm situations. For masses of dazzling colors in low beds nothing exceeds them. ½ foot.

140. **Single Mixed.** 5c; ¼ oz. 25c; oz. 40c.

141. **Choicest Double Mixed.** Saved from double flowers, but will not produce all double flowering plants, if entire bed is desired of double sorts, the single ones can be pulled out and cuttings of the double put in to replace them, they root quickly and easily. 10 cents.

Ricinus. See Castor Bean.

Rocket.—Hesperis. Very pleasing, early spring flowering profuse blooming plants, with fragrant flowers, growing freely in any light, rich soil. Unlike most plants they do better if transplanted every second season; hardy perennials; 1½ ft.

142. **Mixed**, purple and white. 5c.

Rhodanthe. One of our finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade, they will retain their color for years; tender annual.

143. **Mixed.** 5 cents.

Salpiglossis. Sometimes called Velvet Flower. A lovely class of half-hardy annuals which should be more generally cultivated. Flowers funnel shaped of beautiful and varied colors exquisitely marbled and veined; in bloom from August to October. ½ to 2 ft.

144. **New Emperor.** Distinct in habit of growth and form of flower. (See colored pages for special description.) Mixed colors. 10 cents.

145. **Fine Mixed.** 5 cents.

Salvia. (*Flowering Sage.*) Well-known perennials blooming first year from seed, sown early in heat. They grow well in any light, rich soil and will bloom until after frost. The Splendens (Scarlet), is one of our best and most effective plants for lawn decoration.

146. **Splendens** bright scarlet. 10c.

Scabiosa. (*Mourning Bride or Sweet Scabius.*) An old popular annual bearing double flowers of varied and striking shades. Very useful for bouquets, a profuse bloomer. 1 ft.

147. **Double Dwarf.** Mixed. 5c.

Sensitive Plant. (Mimosa Pudica.)

Very curious and interesting plants, their leaves closing if touched or shaken; half hardy annuals.

148. **Sensitive Plant.** Pinkish white; 1 1/2 ft. 5c.

Sweet Peas. (See colored pages for novelties and general list.)

Sweet William. (Dianthus Barbatus.)

For display in the garden, the Sweet William is unsurpassed. The seed can be planted very early in the spring, in open ground, and will blossom the following summer; or it can be sown in August and will make fine blooming plants for spring. Hardy perennials - 1 1/2 ft.

149. **Choice Mixed.** Single and double. 5c.

Stocks-Ten Weeks.

One of our most popular and easily grown annuals, only needing a good, rich soil, good seed and ordinary culture to furnish a profusion of beautiful and fragrant flowers. The seed now offered is a great improvement over the old strains of Gilliflowers and will produce as large a proportion of double flowers as plants of the named sorts grown from cuttings.

150. **Dwarf large flowering mixed.** This variety produces more double flowers than any other. Unequaled for bedding purposes; finest mixed varieties. 1 ft. 10c.

151. **Giant Perfection.** One of the best, large-flowering, pyramidal varieties. Mixed colors. 1 1/2 ft. 10c.

152. **Cut-and-Come-Again.** Of branching habit producing from spring to fall a profusion of pure white double flowers. 1 1/2 ft. 10c.

Verbena. A well-known favorite flower, which should be more generally grown from seed. If seed is sown in February, or even the first of March, the plants will bloom freely in the summer and autumn, and will be more vigorous and produce better flowers than from cuttings. Half hardy-perennial; trailer, 1 ft.

153. **Italian Striped.** Mixed; saved from a rich collection of carnation striped flowers. 10c.

154. **Mammoth choice mixed.** Extra fine strain with very large flowers and great variety of colors. 15c.

155. **Very choice mixed.** Selected from finest named varieties. 10c.

156. **Good Mixed.** 5 cents.

Wall Flower.

The flowers of the Wall Flower are deliciously fragrant and greatly prized the large, massive, conspicuous spikes of the Double German varieties have a charming effect, while the more bushy, compact growth and profuse blooming single ones, render them exceedingly attractive. Tender perennials; 1 1/2 ft.

157. **Single fine mixed.** 5c.

158. **Double choice mixed.** 10c.

Zinnia. An old very popular flower which in late years has been greatly improved. The colors are good and varied. They succeed best in a good rich soil, and sunny situation. Hardy annuals. 1/2 to 1 1/2 feet.

159. **Mammoth double choice mixed, very fine.** 10c.

160. **Dwarf double choice mixed, 1 1/2 ft.** 10c.

161. **Havana Double.** Dwarf variety with flowers of a deep orange; about one and a quarter inches in diameter; fine for cut flowers. 1 ft. 10c.

162. **Striped, or Zebra mixed.** 5c.

163. **Gold double mixed.** 5c.

Wild Cucumber. Echinocystis.

A rapid grower and ornamental climber of easy culture. Lobata. 5c.

Wild Flower Garden Mixture.

164. This mixture is made from a large number of the best free-flowering annuals, and will be found very useful to sow in various places where there is quite an area to be filled up without much expense or labor. If properly cared for and weeds are kept out, this mixture will furnish flowers continually through the season. 5c.; oz. 25c.; 1/4 lb. 75c.

Through an oversight the following varieties were left out of the general list:

Morning Glory, New Japanese. Pkt. 10c.; 1/2 oz. 15c.; oz. 25c.

Morning Glory, tall mixed. Pkt. 5c.; 1/2 oz. 10c.; oz. 15c.

Morning Glory, dwarf mixed. Pkt. 5c.; 1/2 oz. 10c.; oz. 20c.

Nasturtium, dwarf mixed. Pkt. 5c.; oz. 10c.; 1/4 lb. 30c.

Standard Flower Pots.



Pots	Saucers	Both	Pots	Saucers	Both
2 1/2 in...	\$1.00		7 in...	\$1.00	\$1.00
3 in...	1.00		8 in...	1.00	2.00
3 1/2 in...	1.40	\$1.40	9 in...	2.00	2.00
4 in...	2.20	1.80	10 in...	2.70	3.00
4 1/2 in...	2.50	2.00	11 in...	3.00	3.00
5 in...	4.00	2.25	12 in...	3.00	3.00
5 1/2 in...	5.00	2.50	13 in...	3.00	3.00
6 in...	6.00	3.00	15 in...	3.00	3.00
6 1/2 in...	8.00	3.50	16 in...	3.00	3.50

Round Seed Pans.



6 inch Round, per 100...	\$9.00
8 " " " "	10.00
10 " " " "	18.00
12 " " " "	25.00
14 " " " "	50.00

There is a vast difference in the quality of flower pots, the quality of the clay from which they are made making the difference. We obtain our pots from a manufacturer who is conceded by most of the trade to produce the best. He can do it because he has the right material. When any dealer quotes prices considerably lower than we quote here you can make up your mind that they were made by a manufacturer who has not the right material and who cannot sell his product unless he offers it below the market. The **best** flower pots are the **cheapest** in the end.

Both Pots and Seed Pans are sold at a discount of 20 per cent. for any quantity less than 100, in lots of 100 or over 25 per cent., and in lots of 1000 or over 40 per cent.

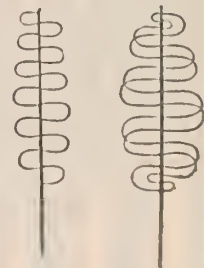
Veranda Trellis



This is by far the most ornamental and substantial Trellis made, being especially adapted to out door use for high climbing shrubs and vines.

	Doz
5 feet, 18 in. wide,	\$8.00
6 feet, " " "	9.50
7 feet, " " "	11.50
8 feet, " " "	13.00
9 feet, 20 in. wide,	15.00
10 feet, " " "	18.00
11 feet, 24 in. wide,	21.00
12 feet, " " "	24.00

No. 0 No. 0 wide



No. 0—24 in. Stick, 5 in. wide, 75c. per doz.

No. 0 wide—24 in. Stick, 8 in. wide, 71c. per doz.

Plant Sticks

FOR POT OR GARDEN SEEDS.

(Square, Painted Green.)

1 1/2 feet Sticks,	\$1.00 per hundred.
2 " " "	1.50 " "
2 1/2 " " "	2.00 " "
3 " " "	3.00 " "
3 1/2 " " "	3.50 " "
4 " " "	4.00 " "
5 " " "	5.00 " "
6 " " "	7.00 " "

Cross



2 foot Cross, 15 in. wide, \$3.00 per doz.

3 1/2 foot Cross, 24 in. wide, \$4.50 per doz.

Bradley's Standard Fertilizer

Made for All Crops, and Always Reliable Under All Conditions.

Bradley's XL Phosphate has been sold for a quarter of a century and has always given perfect satisfaction. It is a helper on all crops and can be depended upon when other cheap brands fail.

BRADLEY'S



ARE always rich in ammonia and potash, and are, therefore, especially adapted for Market Gardeners' use, and give phenomenal results in growing large crops of superior quality Potatoes, Onions, Cabbages, Melons, Squashes, and general market truck.

FERTILIZERS



BRADLEY'S POTATO MANURE.

For growing Smooth, Sound Potatoes of the Best Quality, without Barnyard Manure. Bradley's Potato Manure is in no sense a theoretical or experimental mixture, but is prepared from formulas which repeated field tests have proven will produce the largest crops of smooth, sound potatoes.

Bradley's Complete Manure for Potatoes and Vegetables

Is particularly rich in ammonia and potash, and has given phenomenal results in growing large crops of the best quality of potatoes, onions, beets, turnips, carrots, cabbages, squashes, melons, etc. It is the most perfectly balanced fertilizer manufactured for growing all kinds of root crops and market garden truck. It is the market gardener's favorite.

OUR PRICES FOR 1901.

Bradley's XL Phosphate, 25 lb. bag, . . . \$.60
 Bradley's XL Phosphate, 50 lb. bag, . . . 1.00
 Bradley's XL Phosphate, in 100 lb. bags, ton lots, 33.00
 Bradley's Potato Manure, in 100 lb. bags, ton lots, 33.00

Bradley's Complete Manures for Potatoes and Vegetables—Corn and Grain—Top Dressing and Grass and Grain—Bradley's Complete Manure with 10 per cent. Potash, in ton lots, \$37.00. A liberal discount will be allowed for cash.

Special Prices on Five and Ten Ton Lots.



Swift's Lowell Animal Fertilizers.

These goods which we took the agency for last year proved to be equal in every way to some brands of fertilizers sold as high as thirty-five dollars per ton. Bone and Rendering House Products is the basis for Lowell Fertilizers, and no Rock Phosphate is used.

Swift's Bone Fertilizer for Corn and Grain,	Per ton, \$28.00	Swift's Bone Fertilizer for All Crops,	Per ton, \$30.00
Swift's Bone Fertilizer for Potatoes,	“ 28.00	Swift's Bone Potato Phosphate,	“ 33.00

\$10,000.00 GUARANTEE

THAT not one pound of Rock Phosphate is used in the manufacture of these Fertilizers. No other company will or can make any such guarantee, for they all use it as a basis for their goods.

BASIS OF MAPES IS HIGH GRADE BONE.

Mapes Complete Fertilizers.

LOW PRICES OF LAST YEAR UNCHANGED.

For 20 years this Fertilizer has stood at the head and will take no step backward in the coming 20th Century.

Extract from the 22d Annual Report of the Connecticut State Agricultural Experiment Station, Published 1899, Page 48.

Since various inferior or agriculturally worthless forms of nitrogen are in the market and are known to be used in compounding fertilizers, and cannot as yet be detected with certainty by analysis, the only security of purchasers of mixed fertilizers is in dealing with firms which have the highest reputation and are able to satisfy their customers that they use the best raw materials, and in avoiding "cheap" goods offered by irresponsible parties.

THE MAN BEHIND THE BAG. (From the Rural New Yorker, April 29, 1899.)

The scientific men at the experiment stations have been studying the fertilizer problem for more than twenty years. They have unlocked many hard secrets, but all their digging over of facts only rubs one great truth brighter. "The man behind the bag gives character to the analysis!" The mere analysis printed on the bag tells only one part of the story. To buy safely one must go behind the bag and know the character of the men who make the mixture. We have had dealings with the Mapes Fertilizer Company, of 143 Liberty Street, New York for many years. It is safe to buy their fertilizers, for "the man behind the bag" aims at the crop. "Mapes" means good mixture of the best chemicals. The name on the bag is fairly a part of the analysis—the ear-marks of high quality—whether the mixture be for potatoes, grain, grass, corn, fruit or truck.

The above tells the Story just as it is.

We are selling the same farmers today that we sold 15 years ago.

Potato Manure.—Ammonia, 4.50 to 5 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 8 per cent.) Soluble Potash, actual, 6 to 8 per cent., all as high grade Sulphate, and in forms free from Muriates (or Chlorides), Magnesia, Lime, etc. For Irish and Sweet Potatoes, also Asparagus, Early Vegetables, Tomatoes, Sugar Beets, Sorghum and Sugar Cane. **Per ton, \$39.00**

Corn Manure.—Ammonia, 3.50 to 5 per cent.; Phosphoric Acid, 12 to 13 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 6 to 7 per cent. For Sweet Corn, Fodder Corn, Hungarian Grass, Millet, Late Turnips, Late Cabbage, Seeding to Grass. **Per ton, \$35.00**

Complete Manure.—(For general use.)—Ammonia, 4 to 5 per cent.; Phosphoric Acid, 10 to 12 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 4 to 5 per cent. A substitute for stable manure. For use on all crops and all soils, with or without stable manure. Use broadcast; if any in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and Seeding with or without grain. **Per ton, \$37.00**

Grass and Grain Spring Top-Dressing.—Ammonia 5 to 7 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 7 per cent.); Soluble Potash, actual, 5 to 7 per cent. **Per ton, \$40.00**

Economical Potato Manure.—Ammonia, 4 to 5 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 4 to 5 per cent.); Soluble Potash, actual, 8 to 10 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides.) **Per ton, \$36.00**

Fruit and Vine Manure.—Ammonia, 2 to 3 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 5 to 7 per cent.); Soluble Potash, actual, 10 to 12 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides.) For insuring fruiting power, particularly in quality of fruits in vineyards (Grapes), Pears, Apples, Plums, Strawberries, and small fruits. Is slow in effects. **Per ton, \$39.00**

Complete Manure.—"A" Brand.)—Ammonia, 3 to 4 per cent.; Phosphoric Acid, 12 to 16 per cent. (soluble and available, 10 to 12 per cent.); Soluble Potash, actual, 2.50 to 3.50 per cent. For use in hill or drill on all crops, particularly in connection with farm manure. Special for Peas, Beans, Buckwheat and Turnips. **Per ton, \$34.00**

Complete Manures for Light Soils, or Vegetable Manure for all Soils.—Ammonia, 6 to 8 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); Soluble Potash, actual, 6 to 8 per cent. This is our special manure on all kinds of soils, for Truck; Early Vegetables, Onions, Celery, Tomatoes; also on light soils for Oats, Hops and Barley. All vegetables require liberal supplies of soluble potash, and in the proper forms. Even with heavy or clay soils the natural supplies of potash are insufficient. **Per ton, \$40.00**

Cereal Brand.—Ammonia 2 to 3 per cent.; Phosphoric Acid, total, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); actual Potash, 3 to 3.50 per cent. For Corn, Rye, Buckwheat, etc. Specially adapted for use in hill or drill. **Per ton, \$28.00**

The above prices are for ton lots. Small lots \$1.00 per ton extra. Two ton lots \$1.00 per ton less.



Field of Grass grown by J. E. Fuller, Worcester, Mass. Over Four Tons Per Acre and Grown with Mapes Manures.

SPECIAL PRICE IN 3 TO 5 TON LOTS.

Pure Unadulterated Hardwood Ashes.



**CANADA UNLEACHED
HARDWOOD ASHES
SHIPPED IN
CARLOADS
BULK, BAGS
OR BARRELS**

For ten years we have handled Hardwood Ashes, buying them direct from parties that gather them in Canada, and we have found that there is a great difference in the so-called hardwood ash, and we think we get our supply from the most reliable gatherers.

The main feature of wood ashes are that they contain Potash, Phosphoric Acid and Lime, obtained from a source which places them naturally in the most soluble, and, therefore, the most available and acceptable form necessary for the plant. Potash and phosphoric acid are two of the mineral elements of plant food which are taken up by growing plants.

POTASH. Potash exists in Wood Ashes in readily soluble form, and being very caustic, is an active agent in the decomposition of vegetable matter, and exerts an influence on the mechanical condition of the soil. This accounts for the prompt and often astonishing effect that application of Wood Ashes usually have upon plant growth.

PHOSPHORIC ACID. The Phosphoric Acid contained in Wood Ashes is water soluble, and like the Potash, exists in the form most acceptable to plant life. It is especially useful for the production of grain and the development and ripening of seeds generally.

Ashes may be shipped in full cars or in bags. Price, 1 ton, \$13.00; 2 tons, \$25.00; 3 tons, \$36.00. Car lots as low as any reliable dealer. Small lots for lawn dressing delivered in any part of the city, \$1.00 per 100 pounds.

Fertilizing Materials.

For those who want to buy chemicals and do their own mixing we are in a position to furnish at bottom prices. We sell usually in original packages, and analysis guaranteed. The following prices are subject to change without notice:

NITRATE OF SODA.	95 per cent. purity.	
	Per 100 lbs., \$2.50; per ton, \$46.00	
MURIATE OF POTASH.	80 to 85 per cent.	
	Per 100 lbs., \$2.50; per ton, \$46.00	
SULPHATE OF POTASH.	50 to 55 per cent.	
	Per 100 lbs., \$1.75; per ton, \$30.00	
SULPHATE OF POTASH.	90 to 95 per cent.	
	Per 100 lbs., \$2.75; per ton, \$50.00	
SULPHATE OF AMMONIA.	25 per cent.	
	Per 100 lbs., \$3.50; per ton, \$72.00	
DIS. BONE BLACK.	15 per cent.	
	Per 100 lbs., \$1.50; per ton, \$22.00	
DIS. BONE BLACK.	12 per cent.	
	Per 100 lbs., \$1.40; per ton, \$20.00	
DRIED BLOOD.	12 to 14 per cent.	
	Per 100 lbs., \$2.00; per ton, \$35.00	
DRIED BLOOD.	8 to 10 per cent.	
	Per 100 lbs., \$1.75; per ton, \$32.00	
KAINIT.		Per 100 lbs., \$1.00; per ton, \$14.00
TANKAGE.	6 to 8 per cent. Ammonia.	
	Per 100 lbs., \$1.50; per ton, \$27.00	
PLAIN SUPERPHOSPHATE.		Per 100 lbs., \$1.00; per ton, \$18.00
SOUTH CAROLINA FLOATS.		Per 100 lbs., \$1.00; per ton, \$16.00

PURE FINE GROUND BONE.

Bone at the present price is the cheapest form in which phosphoric acid can be obtained; put up in tight bags we can ship in any state in the Union. We have shipped tons of the southern peach growers. We handle nothing but high grade bone, and are in a position to make very low prices on 5 and 10 ton lots. Price per ton, 30.00; 100 lb. lots for lawn dressing delivered to any part of the city, \$2.00

GYPNUM OR LAND PLASTER.

Plaster is Sulphate of Lime and Sulphuric Acid. The latter performs its wonderful work upon our crops when sown as Gypsum, and is the strongest of all acids. Price per ton, in bags, \$9.00; per bag, 200 lbs., \$1.00. Car loads a specialty.

"JADOO" FIBRE.

A new material in which every plant thrives without earth. Suits all kinds of plants. As many as thirty different kinds of earth mixtures are required for successfully growing the different kinds of plants. "JADOO" Fibre does away with all of this. Seed for Circular.

PRICE LIST.

Bulk in Bags of 130 to 150 Pounds.	
Per ton, half ton or quarter ton.....	.02 c per lb.
Per Single Bag.....	.03 c. "
25 Lbs. in Boxes.....	\$1.10 per box.
10 " " ".....	.50 "
5 " " ".....	.30 "

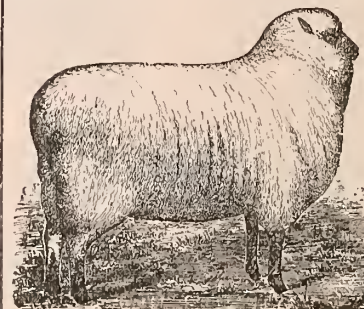
Pulverized Sheep Manure.

This is a pure, natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthy than guano or any other manure. It is the best of all manures for mixing with the soil for green-house plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effects.

Price, 4 lb. pkg., 25c; 10 lb. pkg., 50c; 100 lb. bag, \$2.00. Ton \$35.00.

Ross Bros. Special Formula for Lawn Dressing and Gardens.

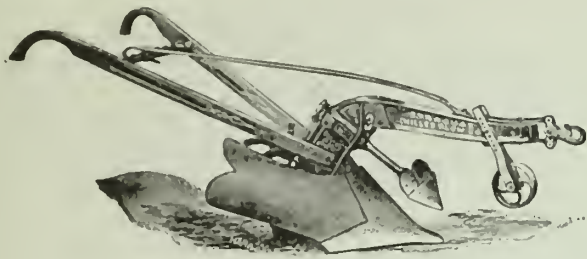
This is a mixture of Chemicals with Bone and Ashes combined in the right proportions to carry a lawn through the season. While we have



a liberal supply of Nitrogen, which gives the grass a very early start, we have also Bone and Potash enough to carry it through. We put this up in 25, 50 and 100 lb. bags. Price, 25 lbs., 60c; 50 lbs., \$1.15; 100 lbs., \$2.00.

Syracuse No. 60 Plow,

With Steel Cutter or Jointer, Steel or Chilled Moldboard.



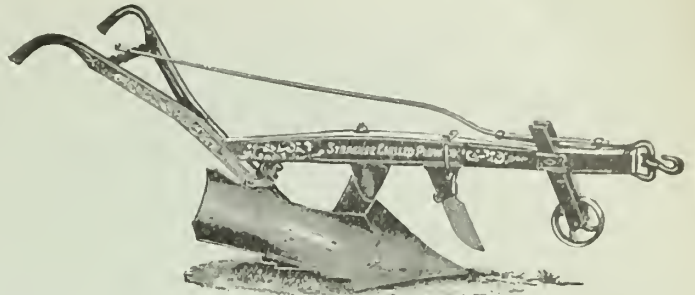
This is our leading two-horse swivel plow and will work on level land or sidehill. It has an Iron beam, steel or chilled moldboard, patent foot latch and shifting clevis. Cuts 5 to 8 in. deep, 12 to 15 in. wide; wt., 138 lbs.

List Price, Steel Moldboard, \$15.50
 List Price, Cast Moldboard, 14.00

Discount for Cash, \$1.00

Diamond A, B and C Plows,

With Wood Beam Steel, or Chilled Moldboard.



Excepting the No. 60 this is our best swivel plow, and where a wood beam is preferred it is unequalled. It is furnished with Steel or Chilled moldboard, patent foot latch, wheel and cutter and shifting clevis. All parts interchange with the 76 plow made at Castleton, Vt.

A cuts 5 to 7 in., 11 to 14 in. wide; wt., 119 lbs. List Price, \$13.00
 B " 4 to 6 " 8 to 12 " " " 114 lbs. " " 12.00
 C " 3 to 5 " 7 to 8 " " " 71 lbs. " " 8.50

A and B are two-horse; C one-horse. A and B have wheel and cutter. C has wheel.
 DISCOUNT FOR CASH, \$2.00

Syracuse No. 5 Vineyard Plow, one horse.



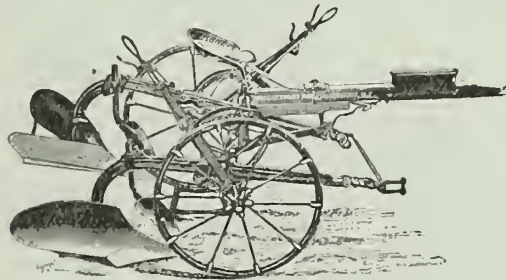
This plow is designed for plowing between rows of trees or vines. The handles are adjustable sideways or up and down. The horse can walk in the furrow or on the land. It can also be used for garden plowing. Iron beam; cuts 3 to 5 in. deep, 7 to 10 in. wide; wt., 63 lbs.

List Price, with wheel, \$7.00.

Discount for cash 50 cts.

Syracuse Reversible Sulky Plow,

STEEL MOLDBOARDS AND LANDSIDES.



This is the lightest draft sulky plow on the market. Will plow on sidehill or level ground and leaves no dead furrows. We believe this is the only sulky that will do satisfactory work on all kinds of soil and on hill or level farms. As shown in cut two plows are used (one only being in use at a time). Throwing the plow in and out of the ground is done by the team while the operator has control of the width of furrow with his feet, leaving both hands free to handle the team. The wheels always stand perpendicular and the plow level. This tool is designed for New England farmers and has stood the test for ten years. We have sold hundreds of them. Cuts 3 to 9 in. deep, 11 to 16 in. wide; wt., 556 lbs.

List Price, \$60.00. Net Price, \$40.00.

Syracuse No. 52 and 53 One-Horse Plow.



No. 52 is a medium size one-horse plow, with chilled moldboard and wheel just the size for general garden work. No. 53 is same style of plow, only larger. Can be used as a light two-horse plow for plowing stubble land.

No. 52 cuts 3 to 5 1/2 in. deep, 9 to 11 in. wide; wt., 70 lbs.

List Price, with wheel, \$8.00

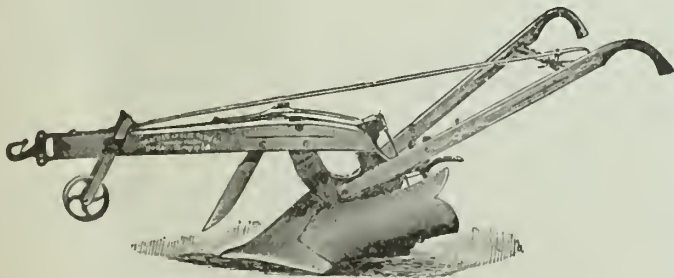
No. 53 cuts 3 to 6 in. deep, 9 to 12 in. wide; wt., 76 lbs.

List Price, with wheel, \$9.00.

Discount for cash on either 50 cts.

Syracuse No. 69 Plow,

With Wheel, Wood Beam.



This plow is similar to the No. 60 excepting the beam, which is made of two pieces of wood and has chilled moldboard, either cutter or jointer, wheel and shifting clevis. Cuts 4 to 6 in. deep, 10 to 14 in. wide; wt., 130 lbs.

List Price, \$14.00.

Discount for Cash, \$1.00.

Syracuse No. 36

One-Horse Wood Beam Plow.

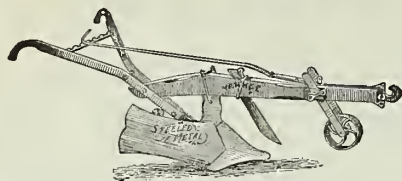


This is a light wood beam one-horse plow designed for plowing gardens and furrowing out. Has a patent foot latch, cast moldboard and wheel. Cuts 3 to 5 in. deep, 7 to 8 in. wide; wt., 71 lbs.

List Price, with wheel, \$8.00.

Discount for Cash, 50 cts.

The Yankee Swivel Plow for one or two horses.

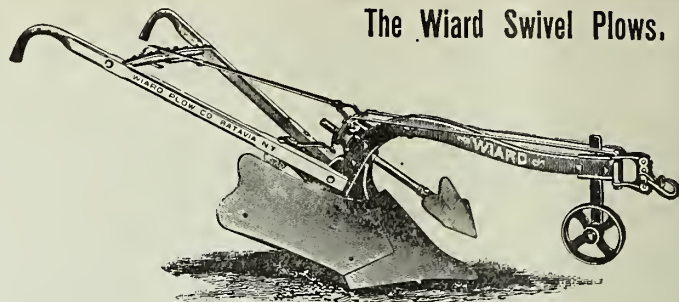


This plow has a patent shifting clevis, foot latch, wheel and cutter. The moldboard is steeled metal, which is very hard and will polish in nearly all soils. They are painted bright vermilion and are a very nice built plow. We have two sizes for one horse, three for two horses, and one for three horses.

Number of Plow.	Description.	Plain.	With Wheel.	Wheel & Cutter.	Weight, full Rig.
0 H	Small One Horse,	8.25	9.25	10.25	75 lbs.
0 H	One Horse,	8.50	9.50	10.50	85 "
1 H	L'ge 1-horse or l'ht 2-horse,	11.00	12.00	13.50	105 "
2 H	Medium 2-horse,	12.50	13.50	15.00	117 "
3 H	Large 2-horse,	13.50	14.50	16.00	125 "
4 H	Three horse	16.00	17.00	18.50	172 "

Discount for cash \$1.00 from list.

The Wiard Swivel Plows.

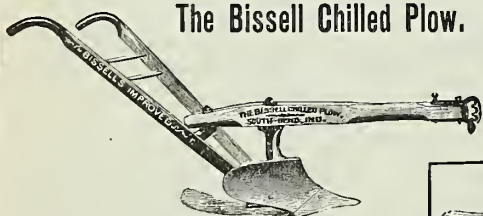


We carry a full line of these plows and they have a great many friends. Rigged either with Jointer or Straight Cutter and Wheel, steel and wood beam and shifting clevis. They are painted green.

Number.	Description.	Plain.	Wheel and Cutter or Jointer.	Weight full Rigged.
115x	Light two-horse iron beam cast mold-board,	\$11.00	\$14.00	116 lbs.
140	Medium two-horse wood beam, cast moldboard,	9.00	12.00	133 lbs.
21	One-horse wood beam,	7.50	8.50	77 lbs.

Discount for cash \$1.00 from list.

The Bissell Chilled Plow.

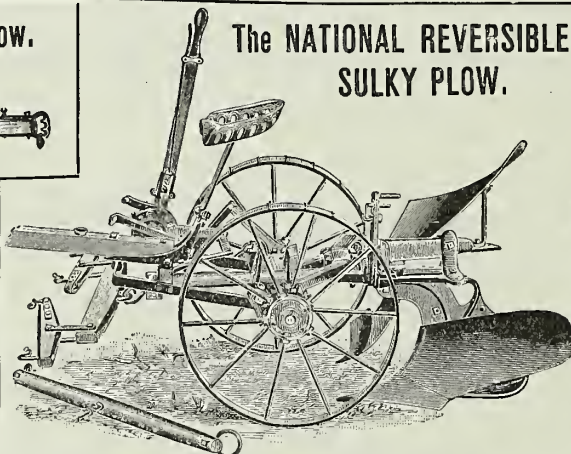


All parts interchange with the Oliver. This plow has a chilled moldboard, extra high standard, which prevents clogging in weeds or trash. It is our best one-horse landside plow.

PRICES.	List Price.
No. A, light one-horse,	\$4.50
No. B, medium "	6.00
No. 10, large "	7.00

Discount for Cash, 50 cts.
The above prices are without wheel; if wheel is wanted add \$1.00 net to above prices.

The NATIONAL REVERSIBLE SULKY PLOW.



This plow works equally well on sidehill or level land. As with the Syracuse two plows are used, both fastened to one beam. The plows are thrown in and out of the ground with the foot, making it a very easy plow to operate. A boy 12 years old can handle it easily. There are few farms in New England where a Sulky plow cannot be used to a good advantage. Price includes extra set of points, neck-yoke and eveners.

List price, \$55.00. Net price, \$42.00.

The Doe Cast Iron Plow.



A good general purpose plow, designed for all kinds of garden work, wood beam, cast moldboard and point.

Number of Plow.	Description.	Plain.	Wheel and Cutter.
E 0	Medium 1-horse,	\$5.00	
E 1	Large 1-horse,	6.00	\$8.50
E 2	Light 2-horse,	7.00	9.75
E 3	Medium 2-horse,	8.00	10.75
E 4	Two or 3-horse,	10.00	12.75

Discount for cash 50 cts. from list.

Syracuse No. 31 and No. 32 Two-horse Landside Plow

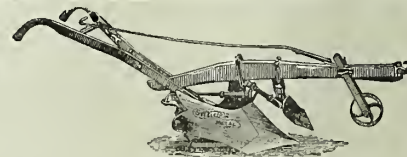


These plows have a steel moldboard and wheel, straight cutter or jointer. This is the same plow used on the double sulky with the addition of a pair of handles, and no better plow was ever made.

No. 32 cuts 5 to 7 1/2 in. deep, 10 to 13 in. wide; weight 103 lbs.	List Price, \$16.00
No. 31 cuts 5 to 8 in. deep, 12 to 15 in. wide; weight 108 lbs.	List Price, 16.50

Discount for cash from either of the above \$2.00.

The Arlington Swivel Plow.



The Arlington Plow has become a favorite in many sections. They are made with Steel Shifting Lever with Clevis, also Patent Spring Foot Latch. Moldboards are made of Patent Steeled Metal, and all castings nicely polished. The beam and handles are made from selected stock, neatly striped and varnished.

The general neatness of appearance, light weight, and exceptionally good work in the field, whether on flat land or hillside, commend them to all desirous of handling a perfect plow.

Description of Sizes.

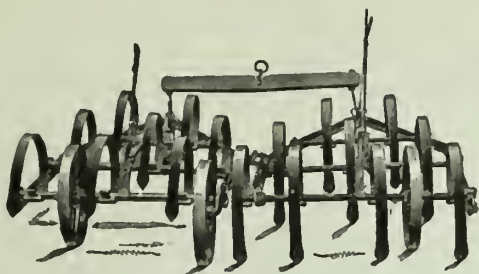
No. 30 turns a furrow 13 to 16 inches wide, 6 to 8 inches deep.	Weight 135 lbs.
No. 29 turns a furrow 12 to 14 inches wide, 5 to 7 inches deep.	Weight 125 lbs.
No. 27 turns a furrow 8 to 11 inches wide, 4 to 6 inches deep.	Weight 85 lbs.
No. 27 is designed for one horse, which walks in the furrow.	
No. 26 is a light one horse plow with Steel Moldboard, horse walks in furrow,	Weight 65 lbs.

No.	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Rolling Caster Coupler.	Wheel and Jointer.
30	\$12.50	\$13.50	\$15.00	\$16.00	\$15.50
29	11.50	12.50	14.00	15.00	14.50
27	8.00	9.00	10.00		
26	7.50	8.50	9.50		

Discount for cash \$1.00.

THE
BAY
CITY

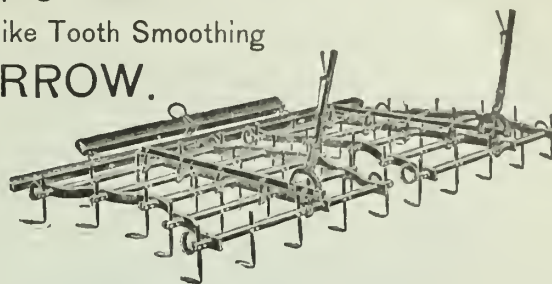
SPRING
TOOTH
HARROW.



This harrow has all the good points of other low down spring harrows and a great many improvements. The frame is made of channel steel, making it very rigid. The teeth are held in place with two bolts. Excepting the Yankee this is the best Spring Harrow on the market, being made entirely of steel.

List price, 15 teeth, \$16.00. Dis. for Cash \$2.00

BIG 5
Spike Tooth Smoothing
HARROW.



This harrow is designed as a leveling harrow, and for covering all kinds of grain and grass seed. Is also used largely for cultivating corn just after it comes up. The teeth are adjusted by means of a lever, and can also be thrown up from the ground and harrow transported to and from the field on the shoes at the end. Each tooth is held in place by two bolts (nearly all others have but one), and the entire harrow is made of steel.

List price, 60 teeth, \$14.00. Discount for cash, \$3.00
List price, 50 teeth, \$13.00. Discount for cash, 3.00

The Original Perry Spring Harrow.



This is the first Spring Tooth Harrow ever offered for sale, and it has many friends today. For durability, it is equal to any harrow made. The wood frame is lined with carbon steel, bolt heads protected, teeth cannot get loose.

List price, \$11.00. Discount for cash, \$1.00.

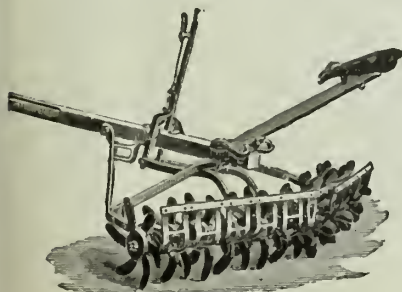
The Syracuse One Horse Spring Harrow.



We have sold this harrow for the past four seasons and it has given perfect satisfaction. It has ten spring teeth, oil tempered, and is adapted for all kinds of work.

List price, \$10.00. Discount for cash \$1.00

Morgan Spading Harrow.

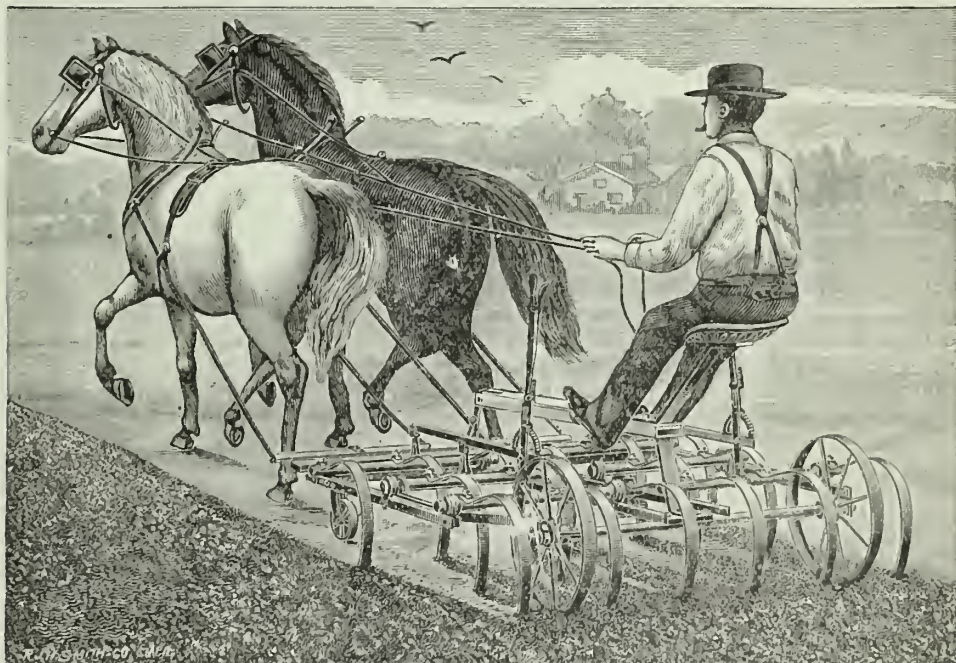


The name "Spading" refers to its action on the soil. The action of each cutter is like that of a small spade, lifting and turning the soil for a depth of four to six inches. The blades, or spades are made from spring steel; in operation vibrating and shaking off sticky soil.

List price, complete with whiffletrees, evener, yoke, and scrapers, \$25.00. Discount for cash, \$2.00.

The Yankee Spring Tooth Riding Harrow.

The first and only Spring Tooth Harrow on Wheels upon which a man can ride with the same ease and comfort as in a buggy.



This is the best and only practical Riding Spring Tooth Harrow made, and equal to any riding harrow on the market sold for forty-five dollars; and it is not to be compared with ordinary spring harrows which retail from fifteen to eighteen dollars. The wheel attachment is entirely different from any other harrow, and it is so attached that the driver does not get any of the motion or jar of the harrow. It is next to impossible to clog it, as the frame runs about a foot from the ground. The front end is supported by either shoes or castor wheels. Shoes are preferable, especially in hilly or rolling ground, but on level ground wheels are best. Size of wheel, "20 INCH." Where nothing is said, we use our own judgment which to send. Large descriptive circulars mailed on application. We bought our stock of harrows before the advance and shall sell at last years' prices. Price, \$20.00. Discount for cash, \$2.00.

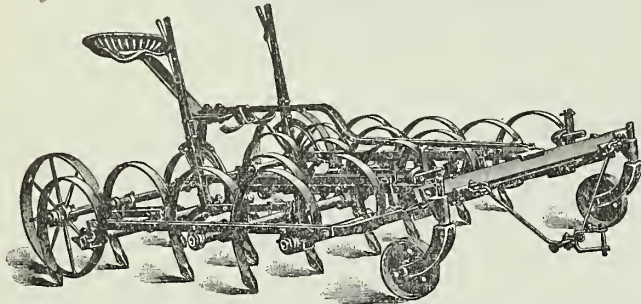
SHARE'S STEEL TOOTH HARROW.



This is a good cheap harrow, used for one or two horses. Teeth are made of pressed steel and always hold their shape. List price: Share's Patent A Harrow, 7 teeth, \$7.00; 9 teeth, \$8.00; 11 teeth, \$9.00; 13 teeth, \$10.00. Discount for cash, 50c.

THE EXCELSIOR Spring Tooth Harrow

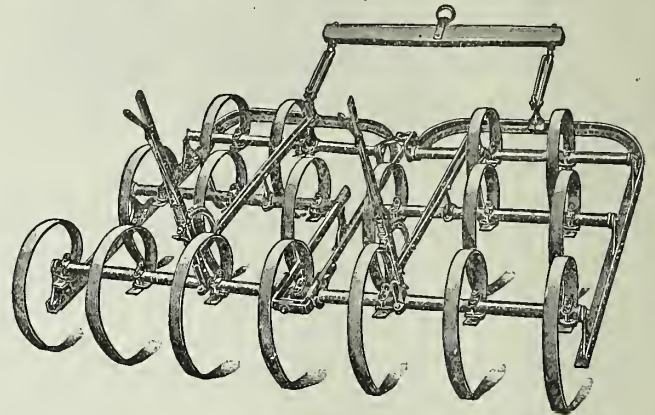
WITH RIDING ATTACHMENT.



This harrow is similar to the Yankee but made a little lighter, yet strong enough to stand any ordinary usage. It has the same high seat with handy lever within easy reach of the operator, and the frame running high up from the ground makes clogging next to impossible.

List Price, \$18.00 Discount for Cash, \$2.00

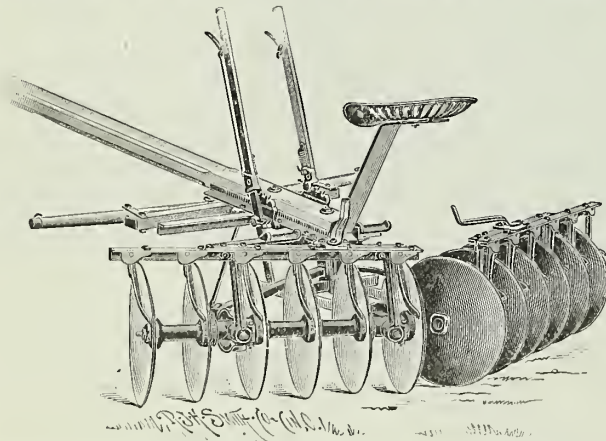
THE ABERDEEN Spring Tooth Lever Harrow



Having some calls for a spring harrow with shoes instead of wheels, we have added to our already large line of harrows this make, and while it has to be hauled to and from the field on the shoes instead of wheels, we believe it will do just as good work and is as durable as any harrow on our list.

List Price, ¹⁵/_{Teeth}, \$15.00 Discount for Cash, \$2.00

THE STANDARD "Model B" Disc Harrow.

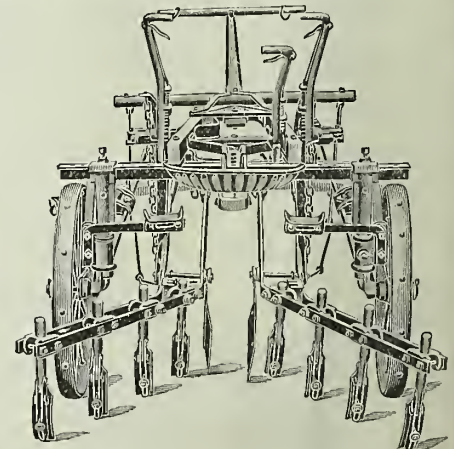


This harrow is similar in construction to the Reliable and we catalogue it as we find it has a great many friends in New England. We have a good stock on hand; also parts for same. The discs are 16 inches; and at price quoted we furnish whiffletree, evener, yoke and scrapers.

List Price, \$22.00 Discount for Cash, \$2.00

THE STANDARD Pivot Axle .. Riding Cultivator

This is a powerful tool and so constructed that it is capable of doing a large range of work, and is very handy for cultivating all crops planted in rows. The pivot axle is very handy on side hills for holding the tool up to its place. Extra teeth may be added which makes it into a riding harrow. The wheels may be adjusted in width from 38 to 54 inches for different widthrows.



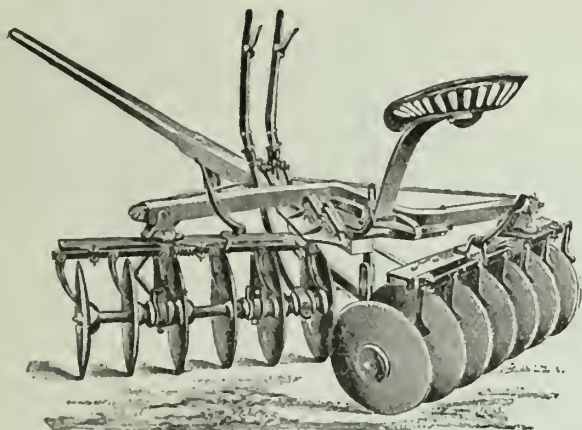
List Price, \$30.00 Discount for Cash, \$2.00

The Victor

OVER-LAP DISC HARROW.

With Ball-Bearings.

13 16 in. Steel Discs.



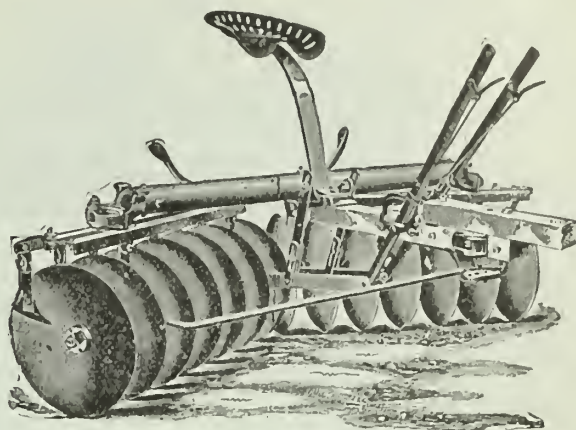
This is the latest and best thing for a Disc Harrow. As shown in the cut you will see that the right-hand gang has 7 discs instead of 6; the extra one laps over and pulverizes the centre, which all other harrows leave untouched. This has been a great disadvantage and has puzzled all manufacturers until now. It runs on ball-bearings, is made entirely of steel, and is furnished with whiffletrees, evener and yoke.

List price, \$24.00 Discount for cash, \$2.00.

The Reliable

DISC HARROW.

12 16 in. Steel Discs.



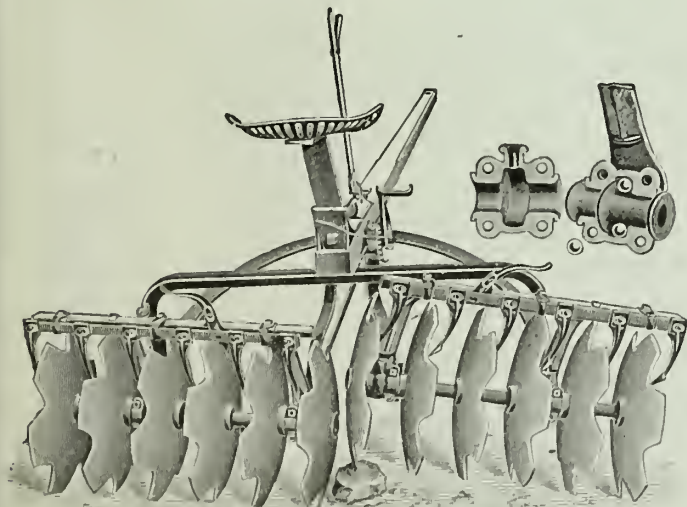
This harrow is everything the name implies—perfectly reliable. It is made expressly for us, and as we buy them in CAR LOTS we are able to sell them at a much lower price than this grade of harrows are sold for. It runs on ball-bearings, has two levers for angling the discs (a great advantage on side hills). It is made, excepting the pole, entirely of steel, and we furnish at price quoted whiffletree, evener, scrapers and yoke.

List price, \$21.00. Discount for cash, \$2.00.

All Steel

Cutout Harrow

12 16 in. Steel Discs.

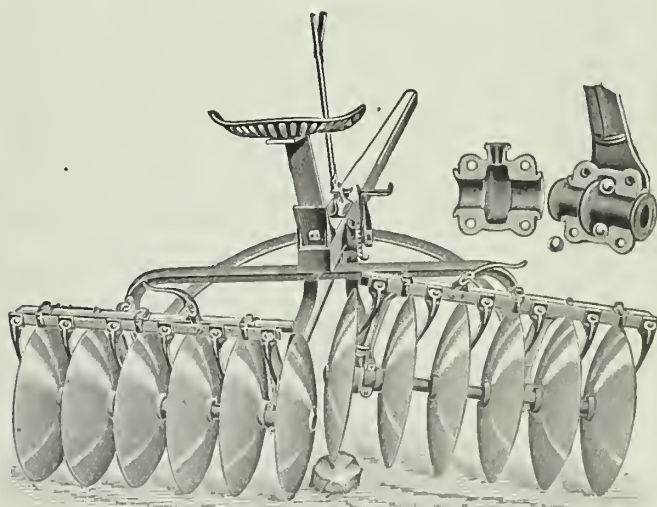


This harrow is same construction as the All Steel Flexible, but fitted with cutaway instead of round discs which, being cut in, allows them to enter the ground deeper, and is a very desirable harrow to work in bushy land. It is fitted with ball-bearings and, excepting the pole, is made entirely of steel; has the adjustable spring for putting any amount of pressure on the inside end of the discs. No other Cutaway Harrow made has this improvement. Arbors run on ball bearings.

List price, \$22.00 Discount for cash, \$2.00.

ALL STEEL Flexible Disc Harrow.

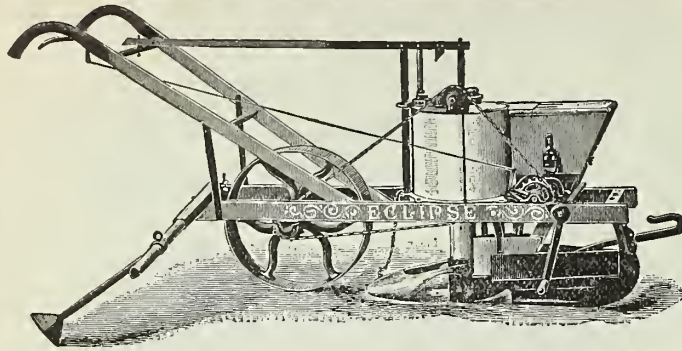
12 16 in. Steel Discs.



This harrow is provided with matchless new combination cone boxes and single large ball-bearings. The only Disc Harrow having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any amount of pressure to be thrown upon the inner ends of the gangs by the foot of the operator. This is the simplest and easiest harrow to operate on the market. By removing two bolts it can be taken apart and handled easily by one man.

List price, \$22.00 Discount for cash, \$2.00.

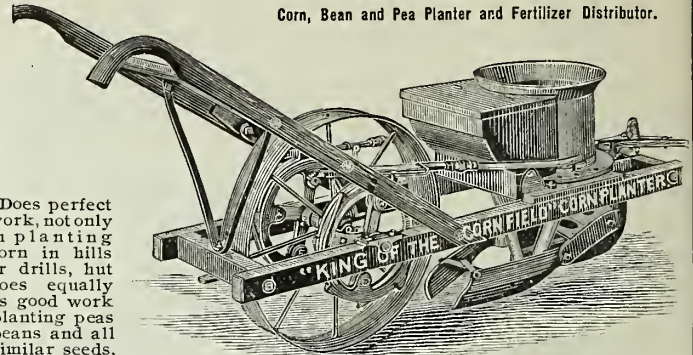
Eclipse Corn Planter and Fertilizer Distributor.



Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks; it will drop 6, 12, 24 or 36 inches apart. By scattering pumpkin seeds in with the fertilizer in filling hopper will place seeds in hills when planting corn. It accurately distributes from 50 to 450 lbs., as desired, of commercial fertilizer, wet or dry, in the rows of hills. First drawing moist earth on the seed before the fertilizer is dropped each side of the seed, and all is covered to a uniform depth. Price complete, \$25.00; discount for cash, \$5.00.

"KING OF THE CORNFIELD."

Corn, Bean and Pea Planter and Fertilizer Distributor.



Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas beans and all similar seeds, putting in the fertilizers as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or 4 1/2 or 9 inches from corn, as desired. The fertilizer may be put with the corn and left out of the beans, if desired to do so. List price, \$25.00; discount for cash, \$5.00.

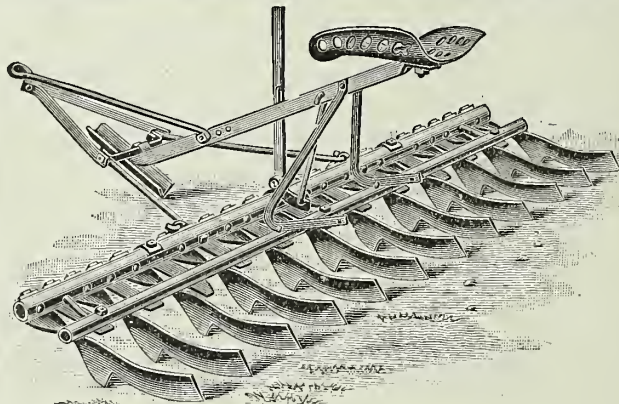
The Badger One-Horse Spring Tooth Harrow and Cultivator.



This is one of the handiest tools a farmer can have. It will do work equally as well as a two-horse harrow, having the same teeth, only trifle smaller. We offer this harrow at a very low price.

PRICE, = = \$9.00

The "Acme" Pulverizing Harrow, Clod Crusher and Leveller.



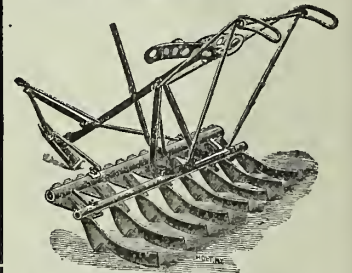
No. 17. "Acme" Harrow. The Best General Purpose Size.

A general-purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection, all in one operation. While pre-eminently adapted for heavy, stuhorn land, it can be adjusted, by means of the levers and runners, to do perfect work on the lightest soil. It cuts the entire surface without disturbing sod or trash that has been turned under by the plow. It prepares a perfect seed bed, and also covers seed in the best manner. The draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible. Nothing but the coulters can possibly wear, and these are readily replaced at a trifling cost.

PRICES AND SIZES:

No. 17. Riding Harrow. Two-horse size. 6 1/2 foot cut, with 2 runners for transporting..... \$17.00
Other sizes furnished on application. Write for cash discount.

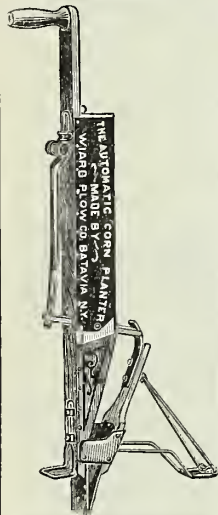
"ACME" One-Horse Harrow.



No. H. Works 4 1/2 feet wide, 8 coulters. Price, with seat and lever adjuster, \$15.00.

No. G. A splendid one-horse cultivator; 7 coulters. Cuts 3 feet wide. Has handles, as shown in cut, but no seat or lever. Price, \$9.00.

Automatic Hand Corn Planter.



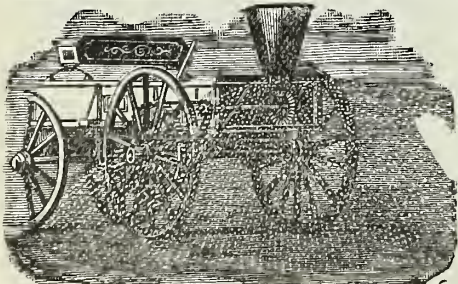
This tool is manipulated by one hand, and is used as a person would handle a walking stick. It will plant as fast as a man can walk. It is well made and perfectly simple in construction. Very handy for replanting, and for small gardens. List price \$3.00, net price, \$2.00.

Farmer's Friend Seed and Fertilizer Sower.

Attaches to any ordinary farm wagon, and sows to perfection grass and grain seeds of all kinds and in any desired quantity per acre, 50 to 100 acres a day. It also distributes all dry commercial fertilizers, also ashes, land plaster, lime, etc. It has a positive force feed and an adjustment opening the holes from 1-4 to 1-2 inches, which allows the sowing of seeds of any size; the flow can be shut off any where, either on one side or the other, or altogether, as required; it is instantly thrown in or out of gear.

Price complete to attach to wagon, \$12.00.

Discount for cash, \$2.00.



THOMPSON'S SEEDER.

For Broadcasting Grass, for Sowing Red Top, Clover, Timothy, and all Mixed Seeds. Light, Strong and Simple.

Sows uniformly the whole length of the hopper, twelve feet. Its simplicity of construction and its accuracy of work in the field places it at the head of all seeders. It has no cam or cog gearing to get out of order. It has a positive motion, and works as freely and easily when sowing as when empty. Seeding is generally done at the time of the year when winds prevail. It is then that the seeders can be used with marked success.

SEEDER No. 5.

Sows all varieties of Clover, Timothy, Hungarian, Millet, Alfalfa, chaffy seeds, like Red Top, Orchard Grass and clean Blue Grass. This style machine is made expressly for New England trade. List price, \$10.00; discount for cash, \$1.50.

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. This box fits on to No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. List price, \$5.00, discount for cash, \$1.00.

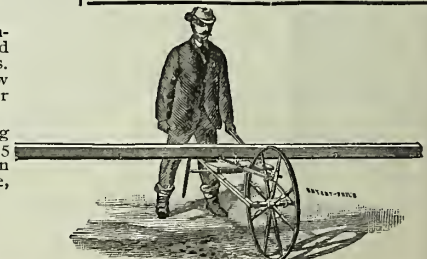
No. 5 Seeder and No. 4 Grain Box,

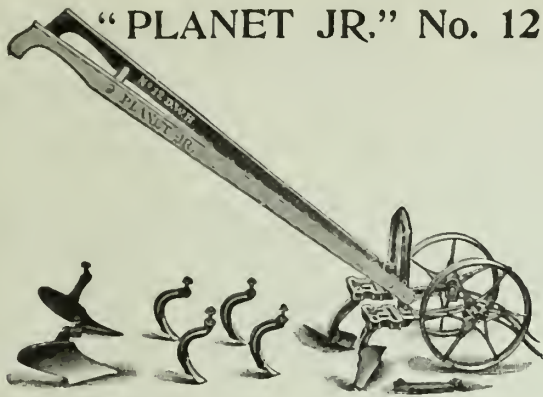
List price, \$15.00; discount for cash, \$3.00.

The American Automatic Corn Planter.

Prevents skips and broken corn. It is hooded to drop every time. It hangs the same right handed or left handed or end of row. The operator carries no useless weight. It is neat, light and durable, and attractively finished. A corn crop is planted right when you use the American.

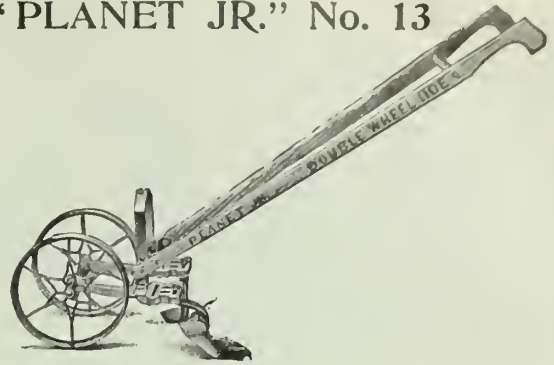
Price, \$1.75.





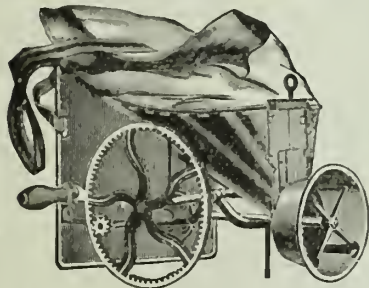
This tool is identical with No. 11, except that it has a less complete equipment, as shown in the cut, but at a correspondingly less price. The set of tools with No. 12 is what gardeners need most, and the rest can be added as wanted. Net price, \$6.50

"PLANET JR." No. 13



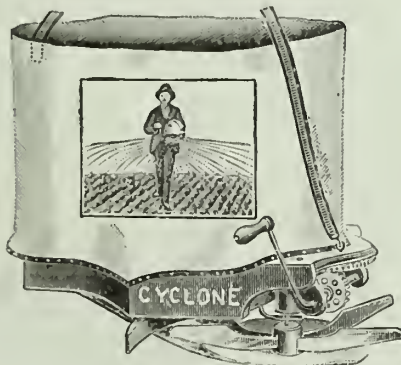
This tool is the No. 11, with 6 inch hoes only, this pair of tools being most generally used at all seasons. Any or all of the No. 11 tools may be added at any time, and are sure to fit. Net price, \$4.50.

Cahoon's Improved Broadcast Seed Sower.



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far. Price, \$3.75.

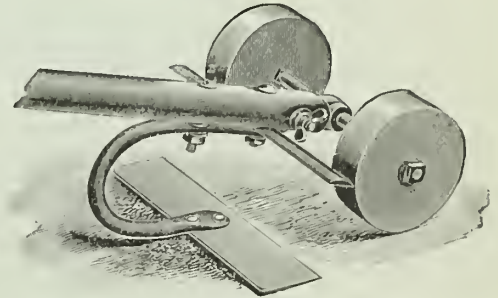
The Cyclone Broadcast Seeder.



This is the cheapest and best of the hand seed sowers on the market, and every one sowing one acre or more of grass seed or grain cannot afford to be without it. Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Bone Dust, Red Top, Millet, Corn, Cotton, and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day.

The machine is strictly first-class in every respect. We guarantee the seeder to give satisfaction, or money refunded. Net price, \$1.50.

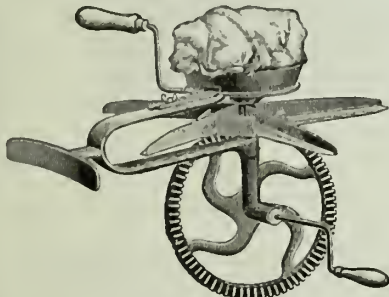
THE SHELDON WHEEL HOE.



A low-priced, but very efficient little implement for flat or scuffle hoeing. Either in gardens, where it cuts off all weeds, or for cleaning walks of weeds and grass it is equally useful. It is a very easy-working tool with a sharp steel blade, a 7-foot handle and wooden wheels.

Net price, \$1.50.

Perfection Jr. Broadcast Seeder.

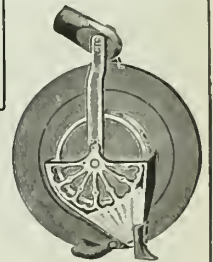


This seeder is similar to the above but made very much lighter and cheaper. It is well worth the money. Net price, \$1.25.

EUREKA SEED DRILL.

This little hand seed drill is designed for those having but a small garden; not large enough for a large seed drill, but is drops nearly all kinds of garden seed.

Net price, \$1.00.



Planet Jr. No. 25 Combines Hill and Drill Seeder and Double Wheel Hoe.

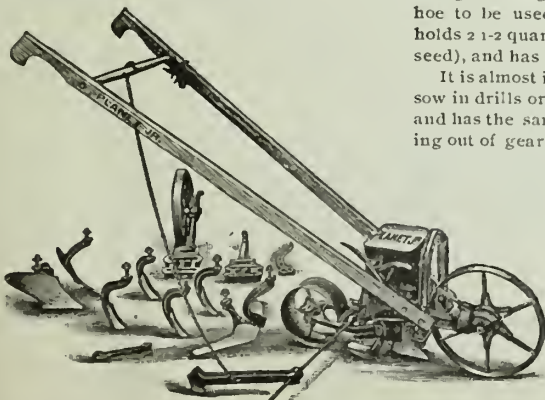
This new combined machine is intended for a class of gardeners who have a large enough acreage of crops for a double wheel hoe to be used to good advantage. Hopper holds 2 1-2 quarts (or about 5 pounds of onion seed), and has 11 1-4 inch wheels.

It is almost identical with the No. 4 drill; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart and has the same automatic device for throwing out of gear and the new combined cut-off and seed index, with thumb-screw adjustment.

As a wheel hoe it is identical with the No. 12 double wheel hoe.

The change from drill to wheel hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory.

Net price, \$13.00

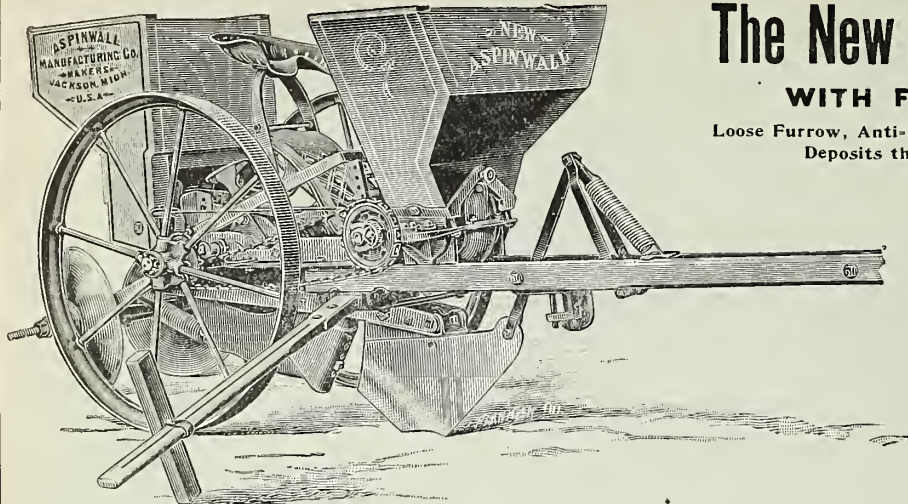


Planet Jr., No. 11 Double Wheel Hoe, Cultivator, Rake and Plow.

The Latest and Best Double Wheel Cultivator, Etc. . . .



The latest improved double wheel machine, combining all of the merits of the older styles, with several desirable new features. The wheels, 11 inches in diameter, can be set 9 or 11 1-2 inches apart for narrow rows, and 4 inches apart when used as a six-gle wheel hoe; the frame is malleable, with a quick change device so the position of the tools may be changed without removing the nuts; the arch is 20 inches high, allowing it to straddle crops when well grown. The outfit of tools comprises the greatest variety and all of the latest designs, covering every possible need. Net price, \$8.50.



The New Aspinwall Potato Planter

WITH FERTILIZER ATTACHMENT.

Loose Furrow, Anti-Packing Plow. All parts Automatic and Adjustable. Deposits the Fertilizer where it will do the Most Good.

Provided with Disc Covers if desired at a Slight Difference in Price.

The New Aspinwall Potato Planter with Fertilizer Attachment embraces more substantial improvements and desirable features than the most sanguine mind could anticipate. Instead of depositing the fertilizer from the rear of the machine, partially mixing it with the earth as the furrow was being closed, they have transposed the location to the front and arranged the plow to open a deep furrow, where the fertilizer is deposited, being mixed and covered with the earth, putting it underneath and in advance of the furrow and covering the fertilizer more

dropping seed. The potato chute has an adjustable shoe which prevents the earth from filling the furrow and covering the fertilizer more than two inches, or thereabouts, as desired. The potato as dropped is covered, and on each side and underneath the earth is entirely loose, and no packing, in a single instance, can possibly occur. This machine is a great improvement over the old style Aspinwall Planter.

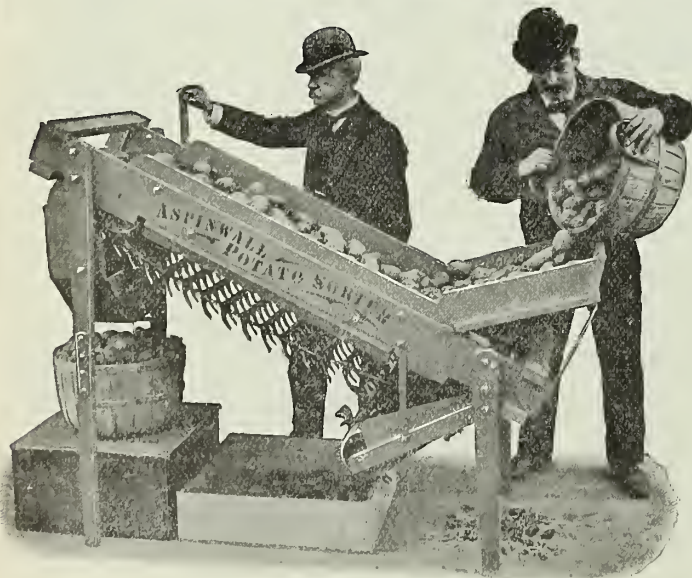
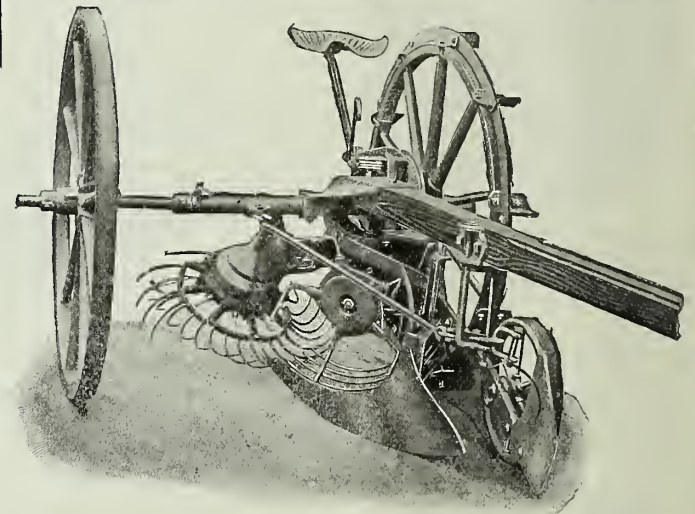
List price of planter complete, **\$65.00.** Discount for cash, **\$5.00**

Aspinwall Potato Digger.

The Aspinwall Potato Digger embodies the most novel features of anything of the kind heretofore made, and may be said to be a companion machine to the world-famed Potato Planter, which, with its accurate and automatic action in operation, picks the potato with a thumb and finger-like movement, so the digger may be described as having a system of concave forks arranged to receive the earth and potatoes after being pulverized by the first movement, the forks rotating and discharging the potatoes, thus freeing them at the point of perfect separation.

The digger is adapted to all kinds and conditions of digging, on hillsides and level fields, among green or ripe tops, and wet or dry ground. It works in all soils in which potatoes can be grown; does not clog and reasonably small loose stones and trash do not phase it.

List price, **\$100.00.** Discount for cash, **\$5.00.**



THE NEW Aspinwall Potato Sorter.

CAPACITY OF 2,000 BUSHELS PER DAY.

This is a new departure in Potato Sorters, using an elevator with long distance travel, which enables very rapid sorting combined with excellent work.

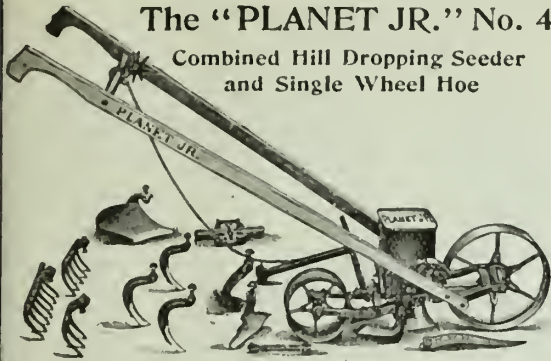
In the construction we gain another admirable feature in having the hopper down low, making easy work in shoveling and feeding the machine. The entire work is under control of the operator, and any potatoes which are decayed or ill-shaped may be removed while the work is progressing; there is no bruising or injuring the potatoes in the least.

The machine makes a separation, or sorting, into three sizes: the marketable or large potatoes; the second sorting or seed, (for which a shallow box should be placed in position to receive them, as shown in the illustration) and the third sorting falls through with the sand and dirt, in which case a small box with a wire screen bottom could be advantageously used and the potatoes saved and sifted from the dirt.

The capacity of this machine is very great, being upwards of two thousand bushels per day.

Price, **\$25.00,** F. O. B. Cars, Jackson, Mich.

The "PLANET JR." No. 4
Combined Hill Dropping Seeder
and Single Wheel Hoe



This is exactly the same style of seeder as the No. 5 "Planet Jr." Hill Dropper only smaller in capacity. It drops in hills at 4, 6, 8, 12 and 24 inches apart, and in drills any thickness, handling the smallest paper of seed perfectly. Throws out of gear instantly by simply raising the handles. The index is accurate, plain and easily set. The Drill is detached and the tool frame substituted by moving but one bolt.

It has a garden plow, two hoes, three cultivating rakes, new form and made to fit 6, 9, 12, 14 and 16-inch rows, three cultivator teeth and a practical leaf guard.

Price, complete, \$11.00; as a Drill only, \$8.00.

A fine Hill Dropping Seeder with hoes of friends. This drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either 4, 6, 8, 12 or 24 inches apart. The wheel is 15 inches high with a broad face. Is changed in a moment from hill dropping to drill work. Sows equally well

"PLANET JR." No. 3
Hill Dropping
Seed Drill



whether the hopper is full or contains only a paper of seed, and will not injure delicate seeds such as radish, cabbage, etc., which are so often pecked or crushed by imperfect seeders. The plow is adjustable and opens a very narrow furrow which is a great advantage for after cultivation. 1896 was the first year that this machine was sold widely by the manufacturers of the celebrated line of "Planet Jr." goods, but it has since been bought very largely by careful gardeners and nurserymen and has given entire satisfaction. Price, \$10.00.

"PLANET JR." No. 15
Single Wheel Hoe,
Cultivator, Rake
and Plow.



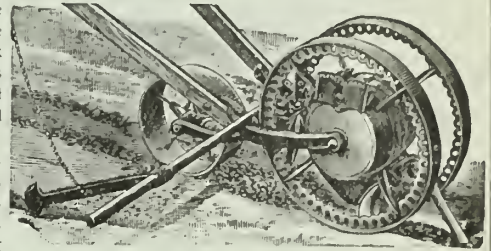
This latest and best Single Wheel Hoe has a 11-inch wheel, with broad face, and a conveniently arranged set of tools, several of them being of a new special design, such as have been found to perform Wheel Hoe work in the very best manner. Has adjustable handles, and frame especially adapted for quick changing of teeth. It is a most perfect Wheel Hoe for market gardeners or for private places. The tools are a well-shaped plow for plowing, marking out, covering and late cultivation; a pair of neat 4-inch shield hoes, just right for hoeing in rows from 9 to 12 inches, and a large pair for wider work; and three cultivator teeth. Also a set of three rakes just right for 6, 9, 12 and up to 16-inch rows, with two arranged side by side; the rakes are just the thing for preparing ground for the seed drill. A practical leaf guard completes the equipment. The frame changes in height, and the wheel to the other side of the frame when both sides of the row can be hoed at one passage.

Price, \$6.50.

The "PLANET Jr." No. 2 Seed Drill.

This tool is known the world over, and with the exception of the "Planet Jr." Hill Dropping Drills is the most perfect drill known. It holds two and one-half quarts.

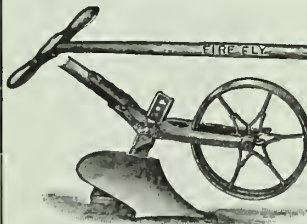
The drill sows in an even, regular stream, whether there is much or little in the hopper. The opening plow, being



directly between the wheels, follows all irregularities of the ground, is adjustable, and once set, opens the furrow at a uniform depth, and the seeds are deposited in a very narrow line. The machine is extremely simple; no agitators, belts or gearing.

Price, \$7.00.

The "Fire-Fly" Plow.



This tool is invaluable for those who have small gardens. The mold-board is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Very useful to plow up the chicken yards.

Price, - - \$2.50

"PLANET JR." No. 16
Single Wheel Hoe,
Cultivator, Rake
and Plow.



This Wheel Hoe is identical with No. 15, except that it has fewer tools, but the price is proportionately lower, and the remaining tools may all be added as wanted. The equipment is a most useful one and will be found just right for a great variety of work. The frame changes in height, and the wheel to the other side of the frame, to hoe both sides of the row at once.

Price, \$5.50

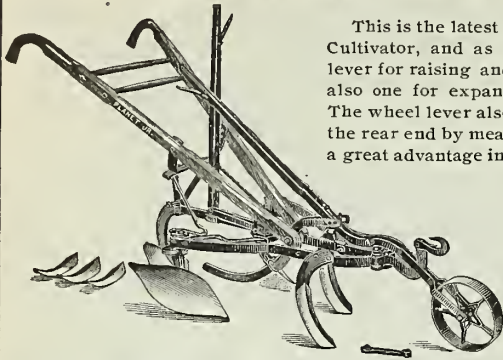
"PLANET JR." No. 17
Single Wheel Hoe,
Cultivator
and Plow.



This also has the same frame, handles, etc., as No. 15, but is supplied only with a pair of 6-inch hoes, a set of cultivator teeth and a plow, a sufficient outfit for most gardening work. The others can be added at any time. The frame changes in height, and the wheel to the other side of the arm, then working both sides of the row at once.

Price, \$4.75

THE PLANET JR. No. 8.

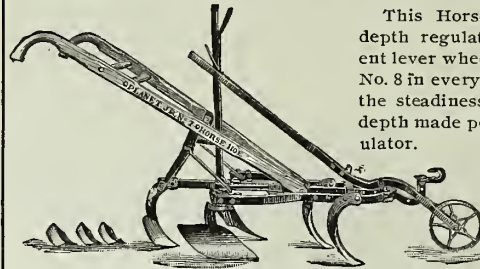


This is the latest pattern Horse Hoe and Cultivator, and as shown in cut, it has a lever for raising and lowering the wheel; also one for expanding and contracting. The wheel lever also governs the depth of the rear end by means of a shoe, which is a great advantage in sandy ground.

List price \$8.00.
Discount for cash, 50 cents.

THE PLANET JR. No. 7.

Horse Hoe and Cultivator.

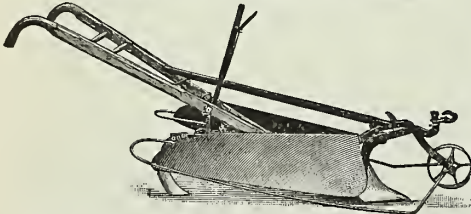


This Horse Hoe is No. 8, without depth regulator, and a slightly different lever wheel. It works the same as No. 8 in every way, except that it lacks the steadiness and absolute control of depth made possible by the depth regulator.

All the attachments that are used on the No. 8 can be used on this style.

List price, \$7.50. Discount for cash, 50 cents.

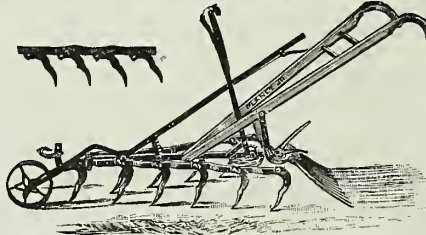
THE PLANET JR. CELERY HILLER.



This tool is used largely by celery growers for banking celery in the fall. We can furnish both single or double. The single is used mostly, and will do the work of five men.

List price, double..... \$13.00.
List price, single..... 10.00.
Discount for cash, 50 cents.

THE PLANET JR. 12-TOOTH HARROW, Cultivator and Pulverizer.

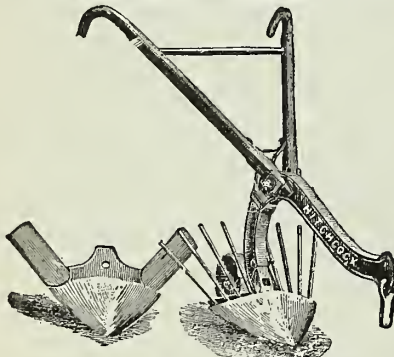


This thorough working and convenient tool has grown in favor among strawberry growers, market gardeners, truckers and farmers. This is because the twelve chisel-shaped teeth do such capital work, without throwing earth on small plants, and because the tool is so convenient, durable and strong, the combination of teeth and pulverizer leaving the ground in the finest condition. The pulverizer also enables the operator to set the tool, in conjunction with the wheel, to any exact depth desired, making delicate work not only possible, but very easy. It is invaluable in narrow rows and delicate work in market gardens and close work on the farm, and is fine for preparing seed beds. The implement is fitted with lever wheel and lever expander, so the depth or width can be changed instantly while in operation; it contracts to 12 inches, and expands to 32 inches. The handles can be raised or lowered to suit the driver.

List price, with pulverizer as shown, \$8.00. Less pulverizer, \$6.50. Discount for cash, 50c.

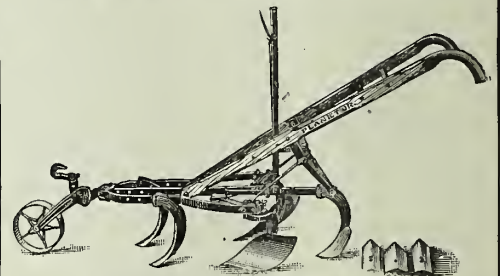
This implement, though very simple in appearance, is as near perfect as can be attained and come within the reach of every farmer. By the changing of one bolt it may be converted either into a shovel plow or potato digger. The fingers are adjustable, being held in position by the plow point. Thus, in case of breakage, a new part may be inserted. The fingers, points and wings are made of steel.

THE HITCHCOCK POTATO DIGGER And Shovel Plow Combined.



Hitchcock Potato Digger, \$8.00. Hitchcock Potato Digger and Shovel Plow combined, \$10.50. Discount for cash, 50 cents.

No. 9 HORSE HOE AND CULTIVATOR.



This admirable tool is identical with the No. 8, except that it has a plain instead of a lever wheel. It has the high frame, patented hollow steel standards, patent lever Star wheel, new lever expander, and new hollow steel wheel arms.

List price \$7.00. Discount for cash, 50 cents.

No. 4 HORSE SHOE AND CULTIVATOR.



This tool is low in price, strong and simple; it has the old favorite stirrup clamp and plain expanders; they cost a trifle less than the lever, but are less convenient. List price, \$6.00. Discount for cash, 50c.

PLANET JR. IRISH POTATO DIGGER.

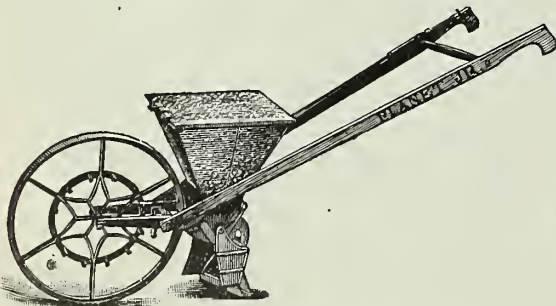


The Planet Jr. Double Moldboard Potato Digger is simple, easily understood and worked; has no gearing or shakers; the draught is light, and there is nothing to wear out but the shares, and they and the moldboards are hardened steel. The action is that of raising, dividing and turning the row on edge, and then separating the potatoes from the earth by means of steel fingers and lifting them to the surface. The vine turner makes it perfectly easy to dig when the vines are green, and is of great assistance in weedy patches.

The Planet Jr. Single Moldboard Potato Digger is constructed exactly like the above, except it throws but one way. The double leaves the ground more level, but the single has the advantage of leaving the potatoes less scattered.

List price, \$17.50. Discount for cash, 50 cents.

PLANET JR. FERTILIZER DRILL.



In the machine shown in the cut is an almost perfect tool for drilling fertilizers, peas and beans; simple, strong, reliable and durable.

It sows the fertilizer in the furrow in a wide, even stream, any thickness, from 100 to 1000 pounds to the acre. With the material in any reasonable condition it will not clog. It sows peas and beans in a narrow line, any thickness, and with the greatest regularity.

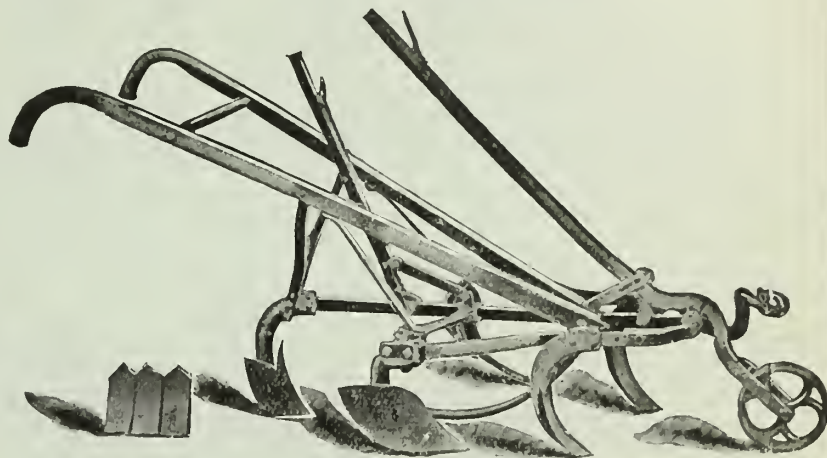
The quantity sown is regulated by a feed rod and index at the top

of the handle, controlled accurately by a brass thumb nut and slide. The tool is instantly thrown out of gear by the feed rod. It has no cogs, gears or stirring devices, is thoroughly galvanized, and will give perfect satisfaction.

No. 20 Fertilizer, Pea and Bean Drill. List price, \$14.00. Opening Plow, Coverer, Roller and Marker, extra, \$3.00. Discount for cash, 50c. 20 inch wheel; hopper holds half a bushel.

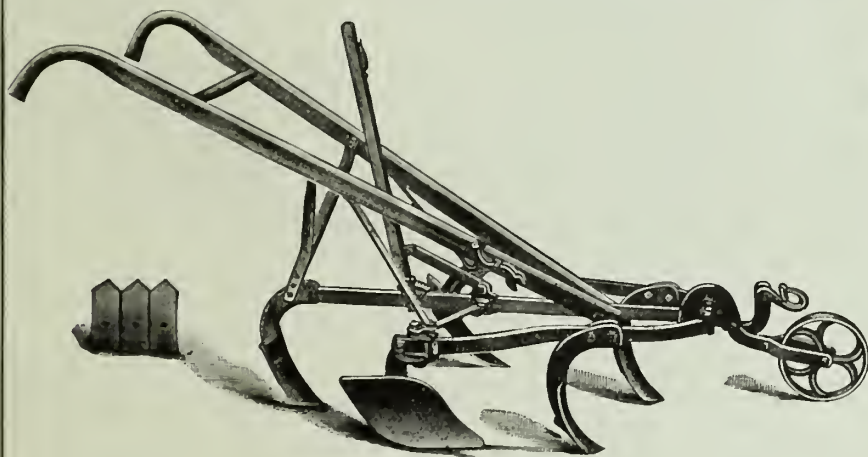
THE Sterling Horse Hoe and Cultivator

THE TWO CULTIVATORS shown here are the greatest labor-saving machines we have. No progressive farmer or gardener can afford to be without one of them. After once trying you would not think of getting along without it. The tool is made for us under our own name and nothing but the best steel is used in its construction. The frame is not one of those heavy, clumsy iron frames that tires both man and horse, but it is made very light, yet strong enough to stand any ordinary strain. The No. 2 has one lever for expanding and contracting the frame without removing any bolts or pins; another lever that regulates the height of the wheel and also works a runner attached to it that regulates the depth of the rear end. This is a great improvement on mellow ground as it prevents the teeth from running in too deep. The handles have a double brace which makes it the most rigid Horse Hoe ever made. The Seed Hillers are made of fine quality steel and will work in all kinds of soil. They are also made adjustable and may be set at any angle by simply loosening a bolt. It has the hollow steel standard (the strongest ever made) extra steels for transforming it into a common cultivator. We sell it only as shown in cut, complete.



STERLING No. 2. HAS TWO LEVERS.

LIST PRICE \$7.00 DISCOUNT FOR CASH, 50 CENTS.



STERLING No. 1.

THIS IS SIMILAR to the above with the exception of the extra lever which controls the wheel and depth regulator. It has the same hollow steel standard as the No. 2 and is arranged for a long hiller (see cut below) to use in furrowing out and for hilling potatoes. With this extra long hiller we have a perfect hoe, cultivator and furrowing plow. The Hiller sells for \$1.00 and can only be attached to the No. 1 Hoe. The handles of this hoe are long and well braced, which makes it run very steady. With this one tool and the long hiller you can furrow out, cover, cultivate hill and ridge, and only one tool to do it all as shown in cut.

LIST PRICE. \$6.50.

DISCOUNT FOR CASH, 50 CENTS.

THE LONG HILLER shown here is designed to be used on the Sterling No. 1 hoe and it fills a long felt want, as the short steel hillers furnished by nearly all Manufacturers can only be used as a hiller while these may be used for several other purposes such as furrowing out, covering, fertilizer or seed, and last but not least, for hilling up potatoes. It is made of best steel and can be attached in a very few moments.

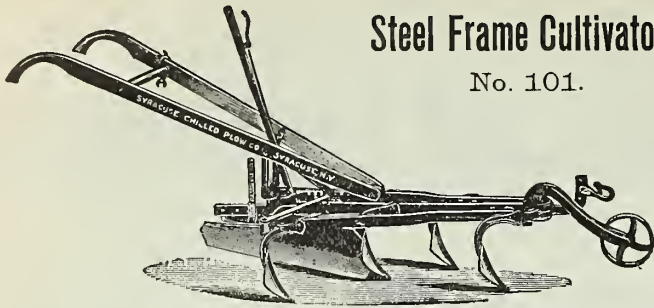
NET PRICE, \$2.00.



The Hussey Hiller Attachment for the No. 1 Sterling Hoe and Cultivator.

Steel Frame Cultivator

No. 101.



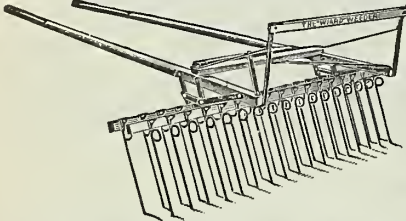
This cultivator is simple, strong and easy to operate. Has no "Dead Centres," and no Loose Joints. The frame and standards of these cultivators are very strong; made of solid steel; the side bars are so curved as to make the teeth run parallel, and also to make all standards interchangeable; square bolt-holes prevent any bother from bolts turning around, and all parts are made with accuracy and nicety of finish. It can be changed to use as a plow, cultivator, horse hoe, coverer and furrowing plow; no extra parts other than those shown in the cut required. List price, \$8.00; discount for cash, 50c.

Steel Frame Cultivator

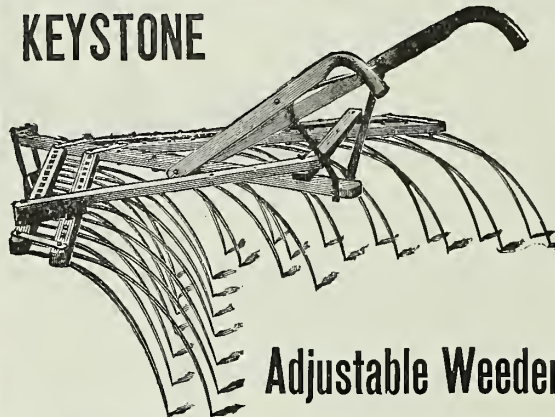
No. 123.



This series of Cultivators meets the demand for a Good Cultivator at a Low Price. The points and standards are of the same stock as used in No. 101, but the frame is somewhat shorter and a trifle lighter. The standards are adjustable for pitch. The handles can be raised or lowered, or shifted to the right or left. No. 123 (as shown in cut)—Expanding Lever, five 3-inch Points, Wing Points, Shovel Point and Wheel. List price, \$6.00; discount for cash, 50c. No. 121.—Same as above less the horse hoe attachment, 50c. less.

THE WIARD ADJUSTABLE WEEDER.

This Weeder is similar to other makes, but has an adjustment by which the teeth can be set straight, or sloped as desired, and is adapted to all kinds of level cultivation; and is also excellent for working in grain and grass seed. List price, \$10.00; discount for cash, \$2.00.

KEYSTONE**Adjustable Weeder.**

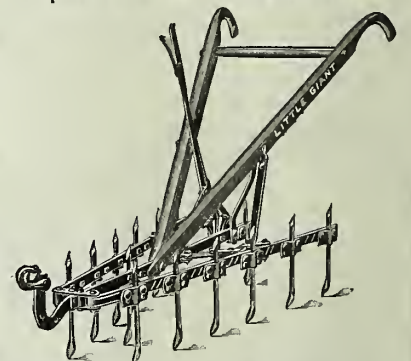
We Guarantee this to be the Best Weeder in the World, or Money Refunded. Can expand to 7½ feet. Can narrow to 30 inches.

"A stitch in time saves nine." No where does this adage apply more surely than in the early and frequent use of the KEYSTONE WEEDER.

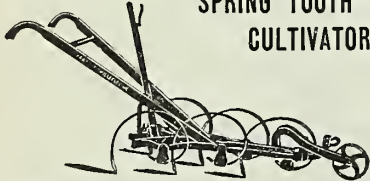
Have you considered the subject of frequent and shallow cultivation? Are you aware that this method of culture is endorsed by the most prominent authorities of agriculture, and has surely come to stay? Frequent and shallow cultivation has been demonstrated to be a success. The "Keystone" is the only Weeder that is adjustable to any depth and width. It can be used as a shallow cultivator—working close to the plants between the rows, until the crops mature—long after other Weeders are laid aside. It has no shafts that will hinder working close to the fence and prevent turning at the ends. IT WILL NOT CLOG. The long, curved, spring teeth are so placed and shaped that clogging is impossible. It is V shaped, which not only makes it a stronger tool than the straight framed Weeders, but adapts itself much better to uneven surfaces. It keeps the surface fined, to admit the air, and breaks the crust, thereby creating a mulch that absorbs the moisture and retards evaporation. List price, \$10.00; discount for cash, \$1.00.

STEEL FRAME CULTIVATOR.

This is a good, well made cultivator, with steel standards, steel frame and points. Furnished with wheel only. List price, \$4.50; discount for cash, 50c.

Spike Tooth Cultivator and Harrow.

Designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level. The teeth are reversible and the pitch can be quickly changed forward or back by simply loosening one bolt at each tooth. Has 14 teeth, adjusting lever, and wheel. List price, \$6.00; discount for cash, 50c.

SPRING TOOTH CULTIVATOR.

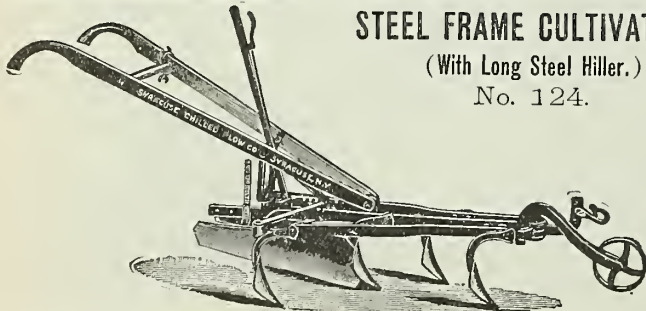
This Cultivator is especially adapted for use in stony ground. The frames are steel, strong, and well put together throughout. The castings are malleable. The teeth are fine oil-tempered springs, and are alike and interchangeable; they are also adjustable for angle and depth. The adjusting levers are of the same form and construction as used in No. 101 Cultivator.

No. 66.—Expanding Lever, Five Spring Teeth and Wheel. List price, \$8.00; discount for cash, 50c.

STEEL FRAME CULTIVATOR.

(With Long Steel Hiller.)

No. 124.



This Tool is similar to the No. 123, shown at top of page, but in place of the short steel hiller wing we use the long hiller, same as on No. 101. This makes a lighter tool and one that can be used for furrowing as well as hilling, and it is sold at a very low price. List price, \$6 00; discount for cash, 50c.

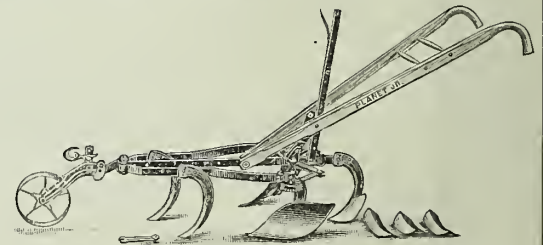
PLANET JR., HORSE NO. 6.

HORSE

HOE

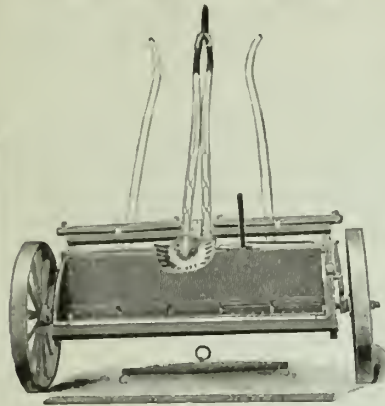
AND

CULTIVATOR.



This is similar to No. 9, without the handle brace, and has a cheaper, but good substantial adjusting lever, and is sold at a popular price and is superior to many that have sold for seven and eight dollars. List price, \$6.00; discount for cash, 50c.

The Stevens Fertilizer Sower.



The latest improved and best machine for sowing all kinds of artificial fertilizer, such as boue, phosphate, cotton seed meal, ashes, lime, etc., either damp or dry, in drills or broadcast. Unequalled for top-dressing grass lands, lawns or large parks.

It distributes any quantity desired, from 200 lbs. to 4,000 lbs. per acre, and five times as fast as can be done by hand. It is as great an improvement over hand spreading as the mowing machine over the scythe; it sows very evenly, no clogging with strings, sticks, lumps or stones, and there are no wheels to become gummed up. This machine is set in motion by a lever operated with the foot, so simple that a boy can run it; it is light of draft, even in soft land, as the wheels have tires four inches wide, also a ratchet hub which allows the turning of corners or completely around while in motion, or to back, without throwing out of gear. It is low down and easy to fill. All parts are thoroughly constructed and the sower will last a lifetime. Adjustment is perfect, simple and strong, a great improvement over the complicated adjustment used in other sowers. It broadcasts 5 feet 10 inches wide. Combined pole and shafts with neck yoke and whiffletrees.

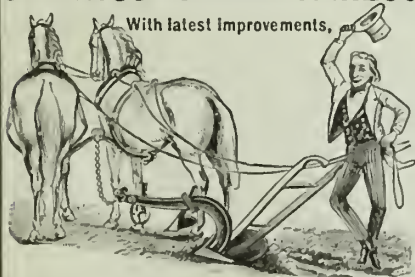
List price, \$50.00. Discount for cash, \$5.00.

The Stevens Lawn Fertilizer Sower.



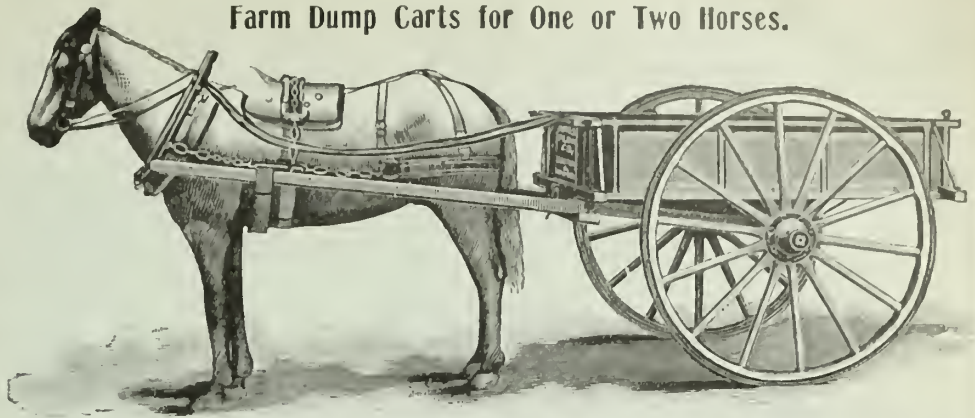
Does the work perfectly, sowing all kinds of lawn dressing and other commercial fertilizers, wood ashes, lime, etc., in large or very small quantities. It can also be successfully used for fertilizing strawberry beds and other garden and field work; is excellent for sifting wood or coal ashes. The hopper is 34 inches long and holds one and a half bushels. Weight of machine, 83 pounds. It is well made and nicely painted. Price, \$12.00. Discount for cash, \$1.00.

SHERWOOD STEEL HARNESS



This harness requires no whiffletrees, no long tugs; nothing in the way around the horses' heels; nothing to bark the trees; team works better and easier; less work for man and team. Can be used on plow, scraper or wagon. List price, \$15.00. Discount for cash, \$3.00.

Farm Dump Carts for One or Two Horses.



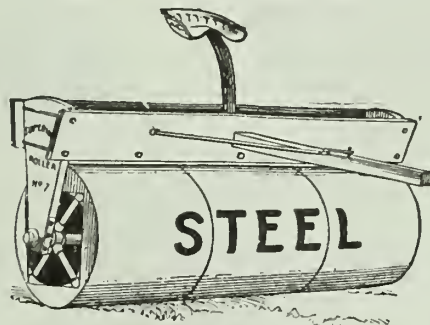
The accompanying illustration represents our Medium Farm, or Contractors' Dump Cart. This cart is made very strong, yet light enough for one-horse farm work. We can furnish any left for one or two horses.

	List Price.		List Price.
Light Farm Cart.....	\$46.50	Heavy Railroad Cart.....	\$57.50
Medium Farm Cart.....	\$4.00	Extra Heavy Railroad Cart.....	65.00

WRITE FOR DISCOUNT.

Superior Steel Field Rollers.

Furnished either with or without seeder.



Cushioned rims, and will, therefore, stand hard usage on rough and stony land, of light draught and turns with the utmost ease. Axle of polished steel, babbitted and self-oiling bearings, drums revolving independently on the shaft when turning corners; practically indestructible; a hardened rolled steel rim close riveted at the edges. Substantial hard wood weight box; by this means the weight can be increased to double its weight.

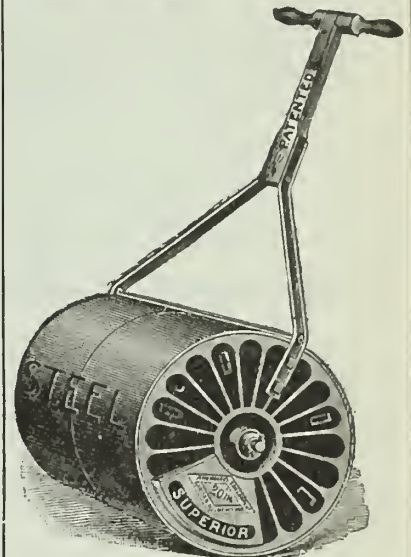
The Seeder Attachment sows grains, grasses and dry ground fertilizers with accuracy. Speed and outflow may be regulated. The seed, as dropped, is pressed into the soil with no opportunity for bunching or pocketing or for blowing away.

PRICES.

Number.	Sections.	Total Length.	Diameter.	Average Weight.	Price, Plain.	Price with Seeder.
3	3	6 feet.	24 inches	550 lbs.	\$30.00	\$39.00
4	3	8 "	25 "	750 "	38.00	49.00
5	3	6 "	30 "	650 "	34.00	43.00
6	3	8 "	30 "	850 "	42.00	53.00
7	3	7 "	24 "	650 "	34.00	44.00

Discount for cash, 10 per cent.

Hand Lawn and Garden Rollers.



A very useful tool, either for lawn or garden use; handles are weighted to keep them up from the ground; the two section rollers are better than one for turning on lawns.

No. C. Steel, size 20x20, two section. List \$15.00; net cash, \$12.00.

No. F. Steel, size 24x24. List, \$18.00; net cash, \$15.00.

No. 1. Ornamental iron, size 16x20, two section. List, \$10.00; net cash, \$8.00.

No. 3. Ornamental iron, size 22x22, two section. List, \$13.50; net cash, \$10.00.

The Fire-Fly 5-Tooth Cultivator.

This is a new model 5-tooth cultivator and horse hoe, with solid frame, stiff handles, adjustable in height, open frame, hollow steel standards. No expanders or hinge. Outside width of frame 18 inches. Width of cut quickly changed from 25 to 12 inches, by loosening two set-screws. No loose joints; low frame, but no clogging; work in open view; the most desirable cheap cultivator and horse hoe ever invented. About half the weight of some of the heavy ones. Easy for horse and man.

List price, as shown in cut, \$5.00.

Discount for cash, 50 cents.

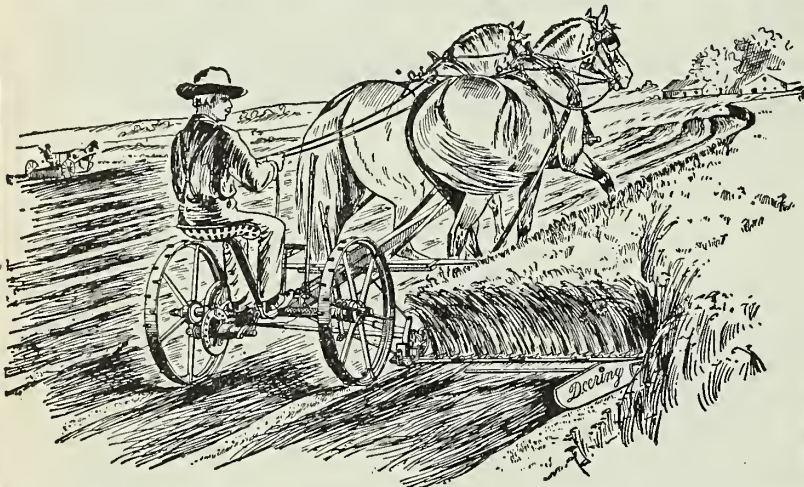
FIRE-FLY.



The Ideal or Bicycle Mowing Machine.

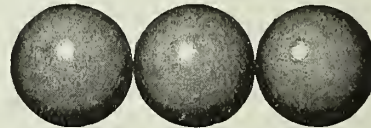
The Only Machine Made that Runs on Ball Bearings.

This machine runs on ball and roller bearings, the same as the most approved bicycles, and has the same relation to the ordinary mowing machine as the bicycle does to the old velocipede, and we defy anyone to show us one good reason for buying any other machine on account of looks, material, principle or workmanship. The mammoth works of the Deering Harvesting Co., are among the largest in the world, covering 65 acres of ground and employing over 6000 hands, not including the thousands of agents which represent them in all parts of the world. The capacity of these works is one complete machine and thirty miles of twine every minute. It costs money to equip these machines with such bearings, but we are able to offer them at but a few dollars advance above the old style machines.



One-Horse, 3 1-2 and 4 ft. Cutter Bar.
Two-Horse, 4 1-2 and 5 ft. Cutter Bar.
Giant 6 and 7 ft. Cutter Bar.
All with Ball Bearings.

If you want to know anything about the Ideal drop us a card, we undoubtedly can give you the name of some reliable farmer in your town that has one and who will explain to you the difference between the old style bearing and a ball and roller bearing. So positive is the action of the gearing on the Deering Ideal that the knife starts the instant the wheels move; and this machine can be started without backing the team in the most difficult crops; the horizontal crank shaft allows the pitman to run easy and without that jerking and jarring and wobbling on most machines. A few of its many good points are, floating cutting-bar, serrated ledger plates, foot lever for raising cutter-bar, no neck weight on the horses, and many other good points not found in any other machine.



Exact size of balls used on
Ideal Deering Mower.
Nothing like them used
on any other machine.

Price, 4 1/2 Foot Cutter-Bar,.....\$40.00 Price, 5 Foot Cutter-Bar,.....\$42.00 Price, 6 Foot Cutter-Bar, Giant,..... \$45.00

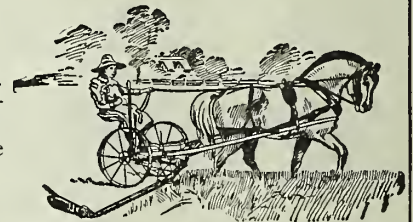
We carry over 3,000 Dollars Worth of Repairs for these Machines in Stock.

Deering Ideal One-Horse Mower, 3 1/2 and 4 Foot Cut.

The Deering One-Horse Mower is used to cut the finest lawns in Lincoln Park, Chicago. Secretary Bryan of the Board of Commissioners says: "I consider it a perfectly reliable, trust-worthy machine."

Many of our best farmers buy two of these one-horse 4 foot cut machines and thus with one pair of horses cut 8 feet instead of 4 1/2 or 5 feet with one two horse machine.

Price, 3 1/2 Foot Cutter Bar,.....\$38.00. Price, 4 Foot Cutter Bar,.....\$40.00.



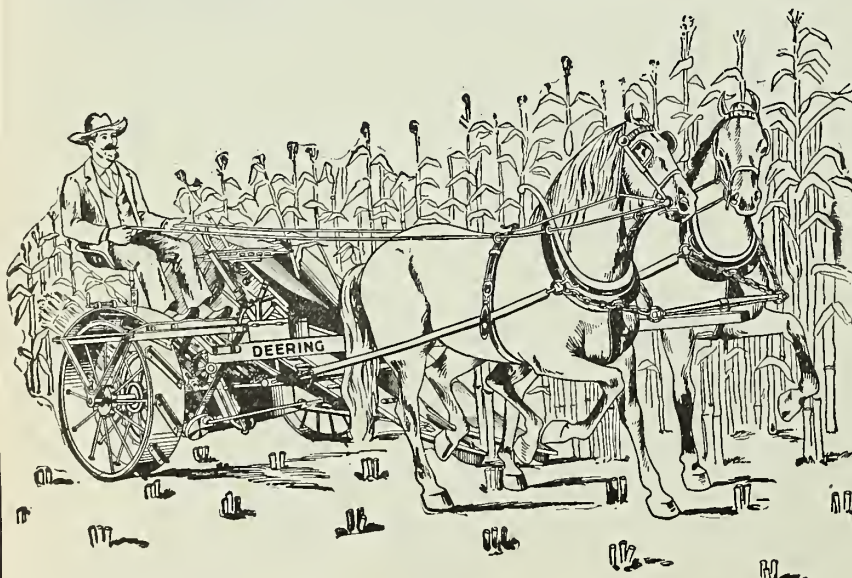
Deering Ball-Bearing Corn Harvester.

Declared by the best informed authorities to be the Only Successful Corn Harvester before the American people. Made on the right principle. The Deering plan of permitting the corn to fall backward on a low horizontal binder deck is superior in every way to the method of holding the top-heavy stalks upright. Lightest in draft, makes a better bundle, and does not break off nearly as many ears as are broken by the vertical machines.

To any farmer who has more than a medium acreage of corn and has any use at all for his fodder, a good corn harvester and binder is a necessity.

Send for handsome illustrated catalogue.

PRICE, - - \$125.00



The Bay State Steel or Wood Frame Hay Tedder



Our steel frame is the neatest and most substantially made tedder offered. It is mounted upon a substantial steel wheel, with a solid steel axle running from wheel to wheel. The frame is of angle steel in one solid piece; no spliced corners; the center is built of T steel, which gives it great strength. Forks and fork arms are made of crucible spring steel; a convenient lever is furnished for raising and lowering the frame and throwing in and out of gear; combined pole and shafts to use for one or two horses; no wood is used, except for the shafts. The Bay State Wood Tedder is same as above, excepting it has a wood frame and wood wheels.

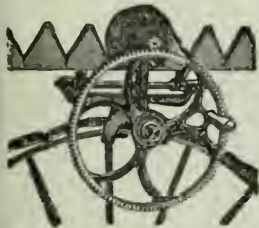
PRICES.

- Six Fork Steel..... \$30.00
- Six Fork Wood,..... 28.00
- Eight Fork Wood..... 30.00

Discount for cash, \$2.

These prices are subject to change without notice.

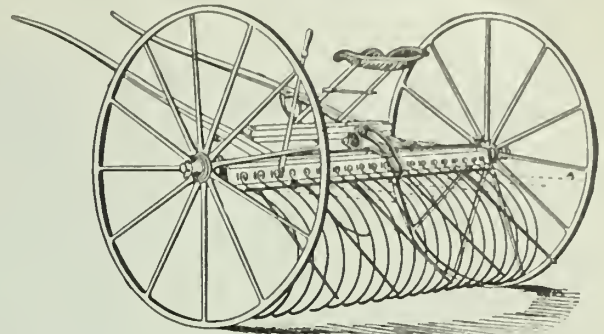
Perfection Knife and Sickle Grinder.



The easiest, simplest and most practical method ever invented for dressing and grinding mowing machine and harvester knives. No costly stone to be kept in order. The only machine that will grind every knife exactly the same, and make any bevel desired; grinding out gaps and leaving the same bevel on the balance of the knife.

List price, \$6.00. Discount for cash, \$1.00.

NEW YORK CHAMPION RAKE.



It is impossible to find all the good points in any one tool, but this rake will properly rake green hay and aftermath better than any other rake. It has the sled runner tooth, is a self-dumping rake, and is easily operated by any one capable of driving a horse. There are several imitations on the market. Be sure and get the GENUINE.

List price, \$22.00. Discount for cash, \$2.00. These prices are subject to change without notice.

THE TIGER RAKE.



This rake has been sold in New England for the past fifteen years, and has given the best satisfaction probably of any rake on the market. It has a steel axle running the entire length of the rake, and the material used is of the very best; has horse and hand dump. It is simple, easily handled by one large enough to drive a horse, and without doubt the most durable rake ever put on the market. List price, \$22.00. Discount for cash, \$2.00. These prices are subject to change without notice.

Symm's Patent Hay and Grain Caps.

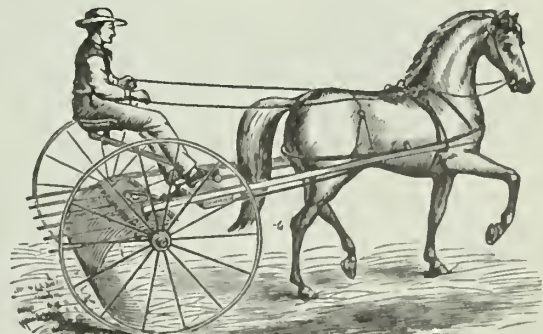
Pronounced by the Hatch Experiment Station to be the Best Cap of the Several Tried by Them.



Thoroughly water-proof wood fibre Caps, light, efficient and thoroughly practical, and will last a lifetime. They nest together for carriage and storing, are 4 feet in diameter and 18 inches deep. By cutting hay in bloom, letting it wilt and then cocking it and covering it with these caps, which keep off rains and dew, protect from hot sun during the day, and retaining the heat in a cock at night, a superior quality of hay can be made.

These caps are not blown off by the wind—do not require fastening down. One hundred of them, nested, take up a space 3 1/2 feet high, and will cover 6 to 8 tons of hay. These caps are also valuable for covering potatoes, roots and apples, allowing them to sweat before storing or barreling. Price per 100, \$35.00. We have only a limited quantity.

THE YANKEE RAKE.



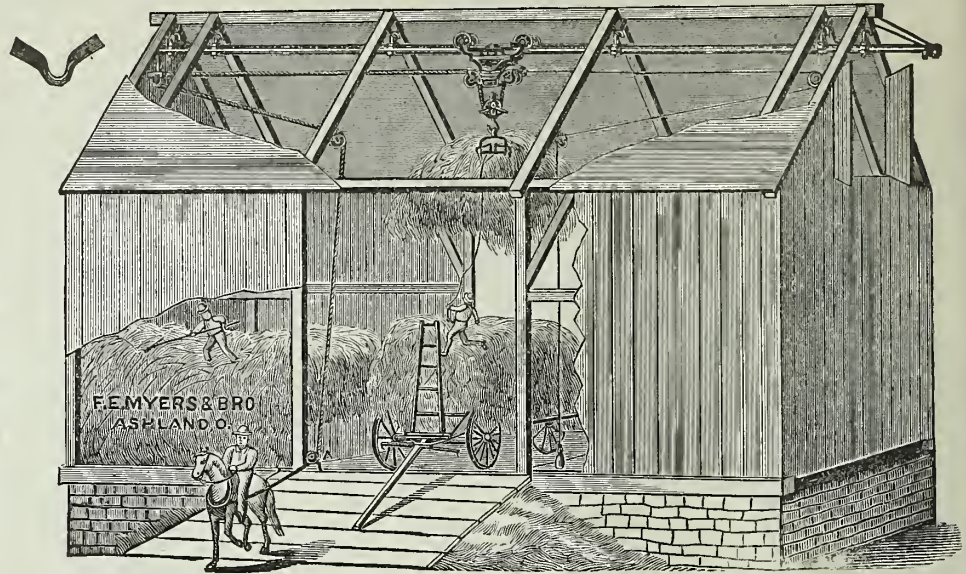
This is the old reliable Yankee, which needs no introduction. It is a very easy rake to operate, each tooth being independent; it will pass over large stones without breaking the teeth. It is so easy to operate that a child can handle it.

List price, \$22.00. Discount for cash, \$2.00.

Myers Reversible Steel Track Hay Carriers.

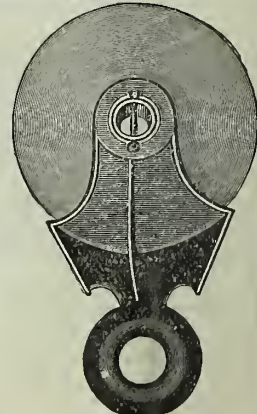
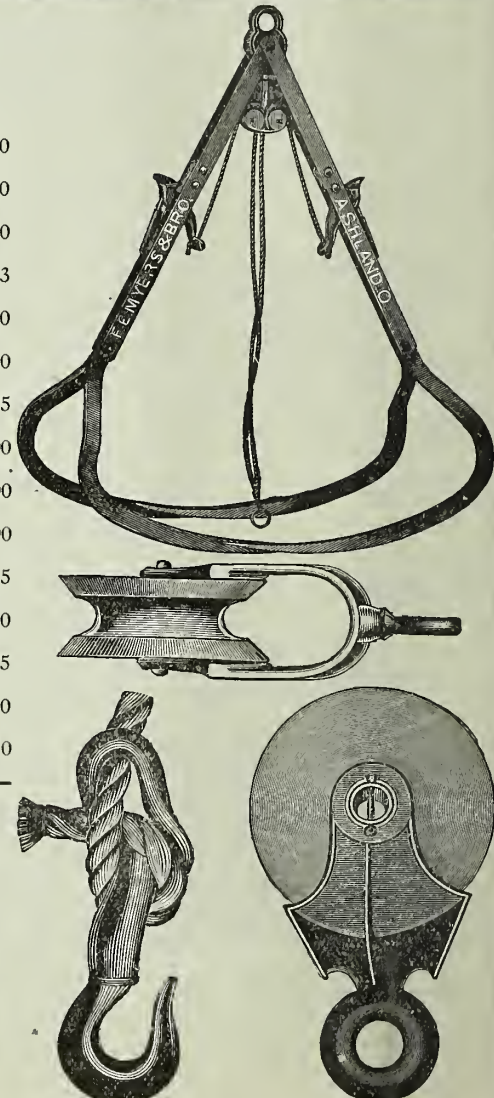
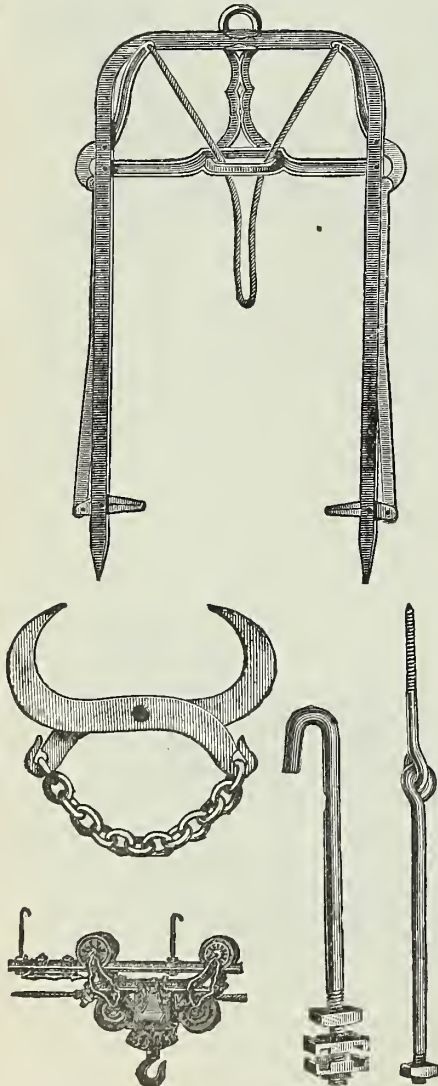
**NO BARN
IS COMPLETE
WITHOUT ONE
OF THESE
RIGS.**

The Myers Carriers for rod, wood, or steel track are the most durable and easiest rigs to operate of any on the market. Any one with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, will name you price for complete job.



PRICES.

Reversible Carrier, each,	- - -	\$5.00
One Way Carrier, each,	- - -	4.50
Wood Track Carrier, each,	- - -	4.50
Steel Track, per foot,	- - -	.13
Steel Hanger Hooks, per dozen,	-	1.00
Malleable Iron Rafter Brackets, per doz.,	.50	
Jointed Hanger Hooks, per dozen	-	1.25
Four Tine Grapple Forks, each,-	-	4.00
Six Tine Grapple Forks, each,	- -	5.00
Double Harpoon Forks, each,	- -	1.00
Knot Passing Pulleys, each,	- -	.25
Common Pulleys, each,	- - -	.20
Rope Hitch, each,	- - -	.25
Floor Hooks, each,	- - -	.10
Steel Grapple, each,	- - -	.50



THE STODDARD CHURN.

The Stoddard Churn is made by hand in the most thorough manner and of kiln dried white oak. It will last for years. The principle is concussion, not friction—has no float nor paddle inside. It is easily operated, easily cleaned.

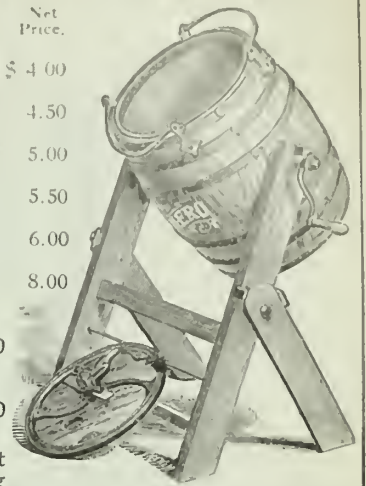
PRICES—DAIRY SIZE.

	Last Price	Disc't for Cash
No. 1 holds ten gallons; churns 4 gallons.	\$ 8.00	\$1.00
No. 2 holds fifteen gallons; churns 7 gallons.	9.00	1.00
No. 3 holds twenty gallons; churns 9 gallons.	10.00	1.25
No. 4 hold twenty-five gallons; churns 12 gallons.	12.00	1.50
No. 5 holds thirty-five gallons; churns 16 gallons.	14.00	1.75
No. 5½ holds forty-five gallons; churns 20 gallons.	17.00	2.00
No. 6 holds sixty gallons; churns 28 gallons.	20.00	2.50



THE HERO BARREL CHURN.

	List Price.	Net Price.
No. 0 holds 6 gals.; churns 3 gals., weight 33 lbs.	\$ 8.00	\$ 4.00
No. 1 holds 10 gals.; churns 4½ gals., weight 36 lbs.	8.50	4.50
No. 2 holds 15 gals.; churns 7 gals., weight 40 lbs.	9.00	5.00
No. 3 holds 20 gals.; churns 9 gals., weight 52 lbs.	10.00	5.50
No. 4 holds 25 gals.; churns 12 gals., weight 72 lbs.	12.00	6.00
No. 5 holds 35 gals.; churns 16 gals., weight 90 lbs.	16.00	8.00
No. 6 holds 45 gals.; churns 22 gals., weight 102 lbs.	23.00	11.50
No. 7 holds 28 gals.; churns 12 gals., weight 115 lbs.	26.00	13.00

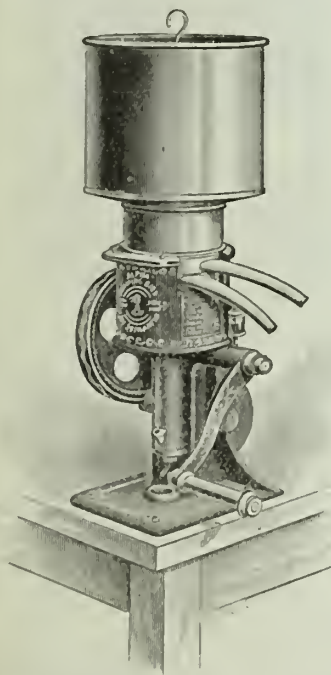


This churn is made of the best oak timber, has patent adjusting fastener for cover, does same work as other churns of this style, but sold at a much lower price.

The De Laval "Baby" Cream Separator.

Used by all the leading Agricultural Colleges and Experiment Stations. whole-milk is fed into this bowl, the separation effected within it, within half a minute after the in-flow, while the machine may be used for the amount of work to be done.

The purpose of the Cream Separator is the expeditious and complete separation of cream from milk in the most practical manner possible. This separator consists of a cylinder-shaped steel bowl or vessel, encased within and mounted upon a frame provided with suitable gearing to acquire a high speed with a minimum expenditure of operating power. The cream and skim-milk are separately discharged from it, the discharge following for a few minutes or as many hours—at a time—as may be necessary, according to the



Crank Humming-Bird.

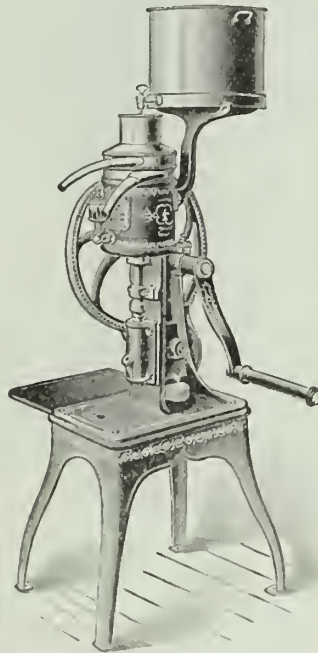
New Style No. 0.

De Laval Cream Separator.

Capacity, 225 lbs. per hour.

"Alpha" or "Disc" Bowl Type.

Price, \$65.00.



Improved "Baby" No. 1.

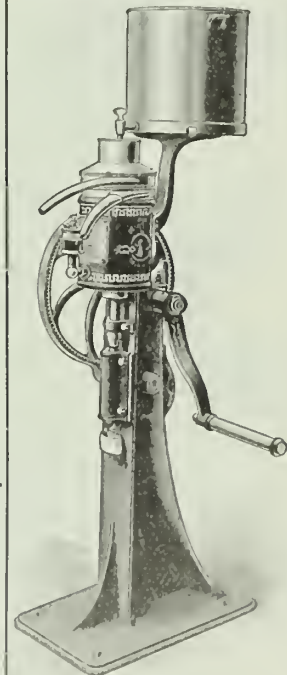
Iron-Stool Style.

De Laval Cream Separator.

Capacity, 325 to 350 lbs. per hour.

"Alpha" or "Disc" Bowl Type.

Price, \$100.00



Improved "Baby" No. 2.

High-Frame Style.

De Laval Cream Separator.

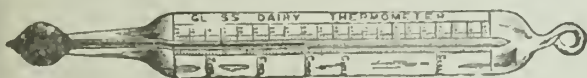
Capacity, 450 to 500 lbs. per hour.

"Alpha" or "Disc" Bowl Type.

Price, \$125.00.

WE CAN FURNISH EITHER STYLE OF STOOL WITH No. 1 OR No. 2.

SEND FOR LARGE CATALOG.



Floating Dairy Thermometer. These thermometers are graduated especially for dairy use, and mark the degrees for freezing, churning, cheese-making and scalding.

PRICE, EACH, 35 CENTS, POSTPAID.

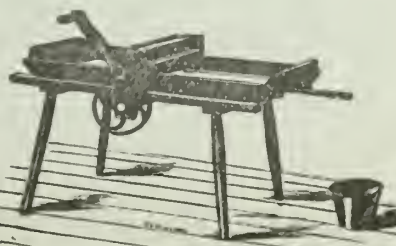
BUTTER BOXES.

The Dunas square box holds five pounds; the only box that butter can be turned out of and left in good shape. Price, per dozen, all papered, 75 cts. We also have the five and ten pound boxes at 60 cents per dozen for five pound, and 75 cents for the ten pound.



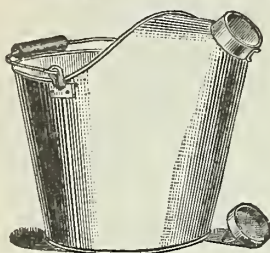
WATERS' BUTTER WORKER.

The purpose of working butter is to free it from buttermilk and distribute the salt evenly through it. The Waters differs from most butter workers principally in the point that the tray, with the butter, moves under a stationary roller instead of the roller travelling over the butter in the tray.



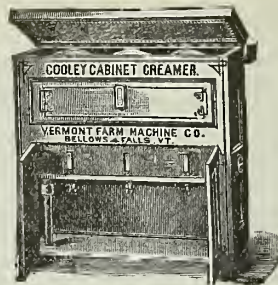
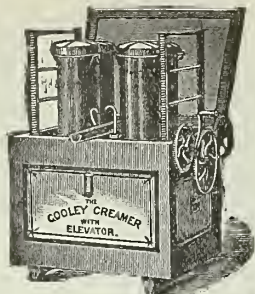
	Capacity.	List Price.	Dis. for Cash.
No. 0	1 lb. to 15 lbs.	\$ 7.00	\$1.00
No. 1	5 lbs. to 30 lbs.	8.00	1.00
No. 2	5 lbs. to 40 lbs.	9.00	1.25
No. 3	5 lbs. to 50 lbs.	10.00	1.50
No. 4	10 lbs. to 80 lbs.	14.00	1.75

Common Sense Milk Pail.



This pail is made of extra heavy tin. The strainer can be removed to clean or repair, and it is the best pail for all purposes made.

Price, - - \$1.25



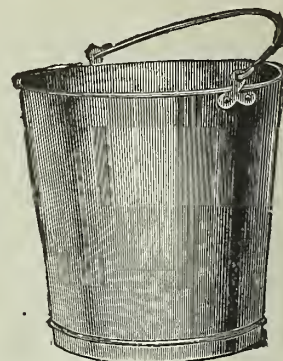
"Elevator" Style. COOLEY CREAMERS. "Cabinet" Style.

These are acknowledged the best apparatus for separating cream from milk by the gravity process. The "Elevator" Style is the most popular, as the cans can be raised and lowered into the water by the elevator. The "Cabinet" Style is preferable when milk is to be drawn off, from under the cream, before skimming. Each can measures 19 inches high by 8½ inches in diameter, and holds 18 quarts or the milk from two to three cows.

Prices, "Elevator" Style.		Prices, "Cabinet" Style.	
INCLUDING CANS.		INCLUDING CANS.	
2 can size,	\$32.00	1 can size,	\$20.00
4 can size,	45.00	2 can size,	27.00
6 can size,	57.00	3 can size,	33.00
8 can size,	\$68.00	4 can size,	\$40.00
10 can size,	79.00	6 can size,	52.00
12 can size,	93.00	8 can size,	64.00

Larger Sizes Quoted on Application.

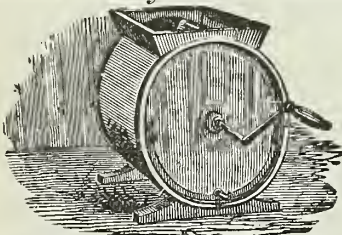
I. C. Milk Pail.



The I. C. Milk Pail is for dairy use. It is a special pattern. The seams are all soldered inside, and wire at the top. It has a rim to protect the bottom which also serves as a handle in tipping.

Price, 14 qts., 70c.; 12 qts., 60c.

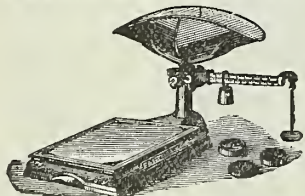
Varnished Cylinder Churns.



Designed for those having a Small Dairy.

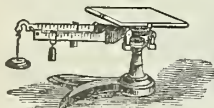
No. 1.	List price, \$2.50	Discount for cash,	\$.75
No. 2.	List price, 3.00	Discount for cash,	.75
No. 3.	List price, 3.50	Discount for cash,	.75
No. 4.	List price, 4.00	Discount for cash,	1.00

FARMERS' SCALES.



We offer for the use of farmers and dairymen and housekeepers, a convenient and low-priced scale, warranted accurate, weighing from ½ oz. to 240 pounds. Single Beam, \$4.50; Double Beam, \$5.00

Fairbank's Dairy Scales.



Indispensable for the dairy; has porcelain top; weighs from ¼ oz. to 25 lbs.

Net Price, \$9.00



Railroad OR Mixing Cans

With 3-4 Inch Brass Cocks.

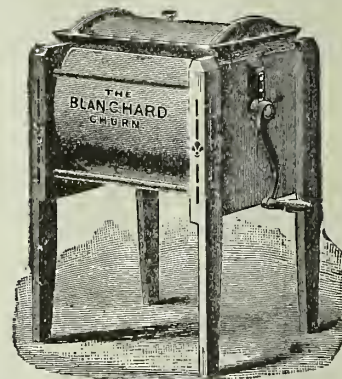
This can is used for tanking milk where a large number of cows are kept. The cocks are attached by means of a thread or screw, and can be removed.

PRICES.

20 quarts,	\$4.50	40 quarts,	\$5.25	60 quarts,	\$ 8.50
30 quarts,	5.00	50 quarts,	6.75	80 quarts,	12.00

Larger Sizes Furnished to order.

THE BLANCHARD CHURN.



Has retained its reputation for over twenty years as being the best revolving dash churn made for ease of operation and superior butter-making qualities. Factory sizes quoted on application.

No. 3.	Ch's 2 gal.	\$6.00	No. 6.	Ch's 12 gal.	\$10.00
No. 4.	Ch's 4 gal.	7.00	No. 7.	Ch's 16 gal.	12.00
No. 5.	Ch's 8 gal.	8.00			

MILKING TUBES.

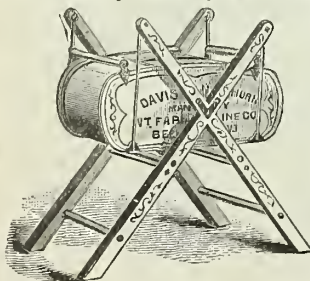


Made of White Metal; Will not Rust or Corrode.

No. 1.	Price, each, by mail,	- 25 Cents.
No. 2.	Price, each, by mail,	- 35 Cents.
No. 3.	Price, each, by mail,	- 45 Cents.

THE DAVIS SWING CHURN.

The principle governing the process of butter-making in the Davis Swing Churn is that the particles of cream come in contact with each other only, and are not unduly beaten by floats. The butter comes in beautiful granules in the most desirable forms for washing with cold water or brine.



Price List—Complete, with Folding Frame, as Shown.

This is the regular frame, and is always sent unless specially ordered otherwise. Extra for Tilting Frame, \$1.00.

Size.	Will Churn.	Wgt. lbs.	Price.
No. 1.	4 gal. or less,	55	\$ 7.00
No. 2.	5 "	59	8.00
No. 3.	8 "	73	10.00
No. 4.	10 "	85	12.00
No. 5.	13 "	98	15.00
No. 6.	17 "	112	18.00
No. 7.	30 "	258	25.00
No. 8.	40 "	275	30.00
No. 9.	50 "	345	35.00

The Gem Combination Milk Bucket. WITH REMOVABLE STRAINER.

It has no equal in its simplicity. Made of the best IX Tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose.

The Strainer is constructed of Steel, with Fine Brass Wire Cloth, and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place.

PRICES.

10 Quarts, each,	60c.	12 Quarts, each,	70c.
		14 Quarts, each,	80c.

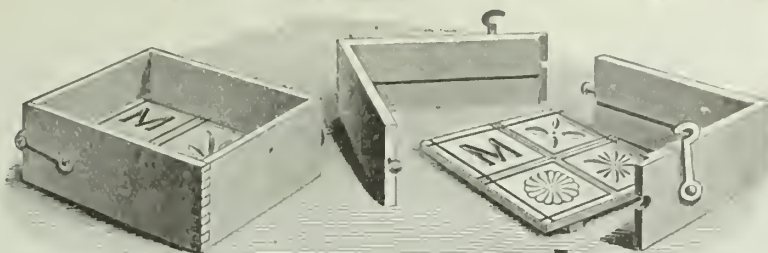


BUTTER MOULDS.



- Round, 1/2 lb., 35 cents.
- Round, 1/4 lb., 20 cents.
- Round, 1-16 lb., 15 cents.
- Round, 1-32 lb., 10 cents.
- Hexagon Mahogany, 1 lb., 75 cents.
- Hexagon, Cedar, 1 lb., 65 cents.

THE BLANCHARD BUTTER MOULD.



We keep this style in stock, and can recommend it as being first-class, while the price is much less than the Combination Mould.

PRICES.

- 1/2 lb., . . . \$0.80
- 1 lb., . . . 1.60
- 2 lb., . . . 1.25

The Blanchard Print Butter Carrier.



This Carrier is designed for use of dairymen who deliver their butter direct to the consumer. They are also used in shipping butter by express. Trays are made to fit butter moulded in the Blanchard or Combination No. 6 Moulds. They are well made and very strongly iron bound.

PRICES.

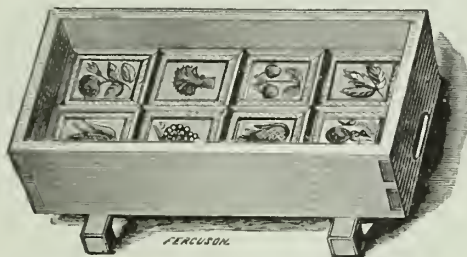
- 16 lb., each, \$1.50 32 lb., each, \$1.85
- 24 lb., each, 1.65 40 lb., each, 2.00

Fitted with Ice Box, 75 cents extra.

COMBINATION BUTTER PRINT

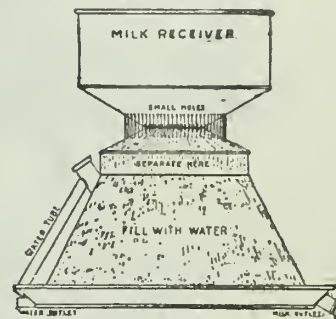
WITH MOULD CUTTERS AND PADDLE.

This Combination Print is extensively used by manufacturers of "gilt edged" butter. The cut shown represents No. 6 print in its mould, which holds two pounds, and is divided into eight cakes, one-fourth pound each, with a cutter, which goes with each print.



No. of Print.	No. of Cakes at each impression.	Capacity of Moulds in Pounds.	Capacity of each Cake in Ounces.	Dimensions of Mould in Inches.	Dimensions of each Cake.	Price.
1	3	1 1/2	8	10x3 1/2	3 1/2 x 3 1/2	\$3.50
2	4	2	8	11x3 1/2	3 1/2 x 2 1/2	3.75
3	4	2	8	12x3	3x3	3.75
4	4	1	4	4 1/2 x 5	2 1/2 x 2 1/2	3.50
5	4	1	4	10x2 1/2	2 1/2 x 2 1/2	3.75
6	8	2	4	10x4 1/2	2 1/2 x 2 1/2	4.50
7	6	1 1/2	4	10x3 1/2	3 1/2 x 1 1/2	4.25
8	12	1 1/2	2	12x4	2x2	5.00
9	16	1 1/2	1	10x3	1 1/2 x 1 1/2	5.00
10	24	1 1/2	1	10x4	1 1/2 x 1 1/2	5.25
12	8	4	8	11x5	2 1/2 x 2 1/2	4.50

THE MODEL MILK COOLER.



The Model Milk Cooler and Aerator does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

- No. 2. Suitable for 10 to 15 cows, cash retail, \$ 7.00
- No. 3. " " 25 to 40 cows, " 8.00
- No. 4. " " 50 to 100 cows, " 10.00

Iron Clad Tubular Milk Strainer.

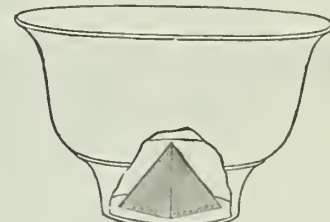


This is designed to be used in our railroad or mixing can. It fits perfectly and is so constructed that it is impossible to get any of the dirt into the milk. May be used with or without cloth.

Price, \$2.25

MORE'S PYRAMIDAL STRAINER

With base to stand on top of any creamery can.



The great need of the dairy at present is a Milk Strainer that will clean milk thoroughly and rapidly, is durable, and can be procured at a reasonable price. The Moor has all of these qualities. Price, \$1.50

THE HEALTH MILK BOTTLE CAPS.



OPEN.

All caps, other than the Health Cap, must be removed with a fork, knife or some sharp instrument.

They cannot be removed with the thumb and finger. When once released the old style cap is almost invariably thrown away, leaving the contents

of the bottle exposed to odors, and in no way meeting the objectionable features of an open receptacle. It costs no more than the ordinary cap. It will fit any standard milk bottle. It makes sealing and opening of bottle easy. Bottles can be kept sealed at all times. Keeps milk free from all odors. It is the most convenient cap on the market.

No knife or fork needed to remove the Health Cap.

- Price per 1000, 40 cents: 5000, 35 cents: 25,000, 30 cents.
- Common Round Caps, 1000, 30 cents; 5000, 25 cents.



CLOSED.

COMMON SENSE MILK BOTTLES.

THE ONLY WAY THAT MILK SHOULD BE HANDLED.

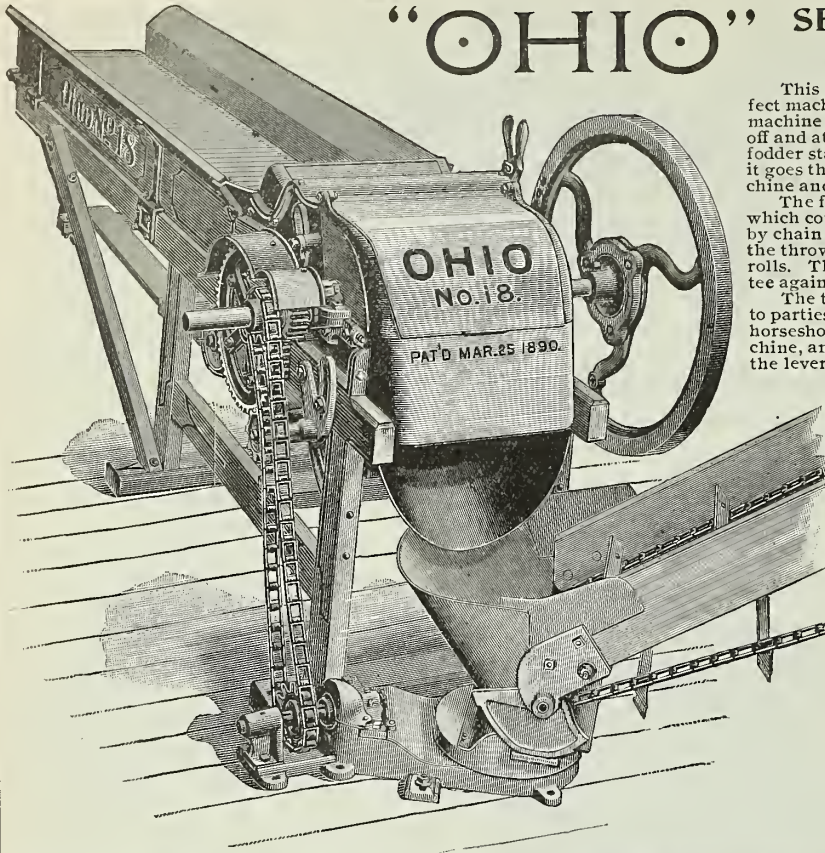
Few are the milk dealers who escape complaint from their customers. "What's the matter with your milk? It does not smell or taste right." Your assuring words that it is or was pure, sweet milk does not satisfy them, and they leave you to try some other milkman. The trouble is your tin cans. Rust will accumulate on tin, giving a bad odor to the milk. When the tin gets worn off, the iron being porous, it is impossible to eradicate taint, and your milk has an old musty taste and smell. It is exposed to dust, flies and odors of the streets, horse hair, and the countless undesirable odors that infest the atmosphere. The wonder is that the human stomach does not rebel in disgust from such an offering. These troubles, and many others, are eliminated by the use of the Common Sense Milk Bottle.



- Price, 2 Quart, Doz., \$1.50; Gross, \$17.00
- Price, 1 Quart, Doz.,80; Gross, 9.00
- Price, 1 Pint, Doz.,60; Gross, 7.00

Prices subject to change without notice.

"OHIO" SELF-FEED ENSILAGE CUTTER, AND NEW METAL STRIP SWIVEL CARRIER.



This is the "Ohio" Ensilage cutter with travelling feed table. It is a perfect machine for cutting ensilage and dry feed. Cutting ensilage with this machine requires one man to throw off the wagon, one man to help throw off and attend to the machine. One or two men constantly pushing to get the fodder started is not necessary. The only point is to get it to the machine—it goes through itself. It will cut 33 1/2 per cent. more than the regular machine and saves 75 per cent. of the feeder's time and labor.

The feed table is supplied with a continuous travelling chain or belt apron which converts the machine into a self-feeder. The travelling apron is driven by chain and sprocket wheels and is under control of the feeder by means of the throw-out lever located just in the rear of the lever that controls the feed rolls. The apron travels on five pairs of sprocket wheels, which is a guarantee against wear.

The throw-out levers are strong points of advantage, as it is well known to parties familiar in the use of such machines, that occasionally a pitchfork, horseshoe, or some other foreign substance mysteriously strays into the machine, and about the time it reaches the knives the feeder has only to catch the levers and throw the feed out.

SIZES AND PRICES.

No.	Number Knives.	Length of Knives, Inches.	Lengths of cut, Inch.	Capacity Ensilage per Hour, Tons.	Power to Run Full Capacity, Horse Power.	Price.
13	4	13	1/2, 2/3, 3/4, 1	5 to 8	4 to 6	\$ 95.00
16	4	16	1/2, 2/3, 3/4, 1	8 to 10	6 to 8	120.00
18	4	18	1/2, 2/3, 3/4, 1	10 to 13	6 to 10	155.00
20	4	20	1/2, 2/3, 3/4, 1	15 to 20	8 to 12	250.00
24	4	24	1/2, 2/3, 3/4, 1	20 to 25	10 to 12	300.00

NEW METAL-STRIP SWIVEL CARRIERS.

SIZES AND PRICES.

For No. 13 Cutter, 12 ft. long,	\$45.00	Over 12 ft. long, extra per ft.,	\$1.70
No. 16 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	1.70
No. 18 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	1.70

METAL-STRIP REVERSIBLE CARRIERS.

SIZES AND PRICES.

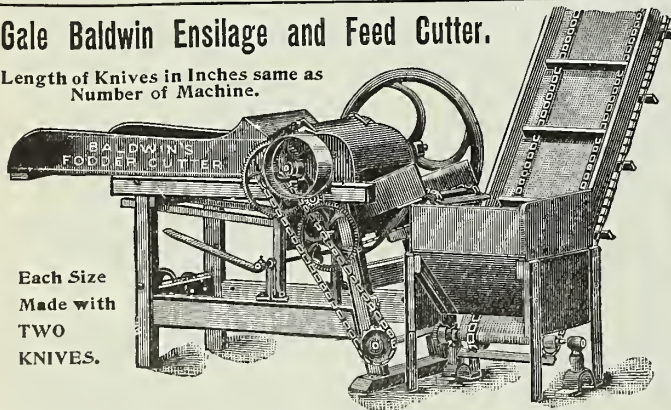
Straight and Angle Delivery or Straight-Away.			
For No. 11 Cutter, 12 ft. long,	\$33.75	Over 12 ft. long, extra per ft.,	\$1.70
No. 13 Cutter, 12 ft. long,	37.00	Over 12 ft. long, extra per ft.,	1.70
No. 16 Cutter, 12 ft. long,	37.00	Over 12 ft. long, extra per ft.,	1.70
No. 18 Cutter, 12 ft. long,	37.00	Over 12 ft. long, extra per ft.,	1.70
No. 20 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	2.25
No. 24 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	2.25

If wanted without angle delivery attachments, deduct
From Nos. 11, 13, 16 and 18 list, \$3.50 From Nos. 20 and 24 list, \$5.60

WRITE FOR DISCOUNT.

Gale Baldwin Ensilage and Feed Cutter.

Length of Knives in Inches same as Number of Machine.



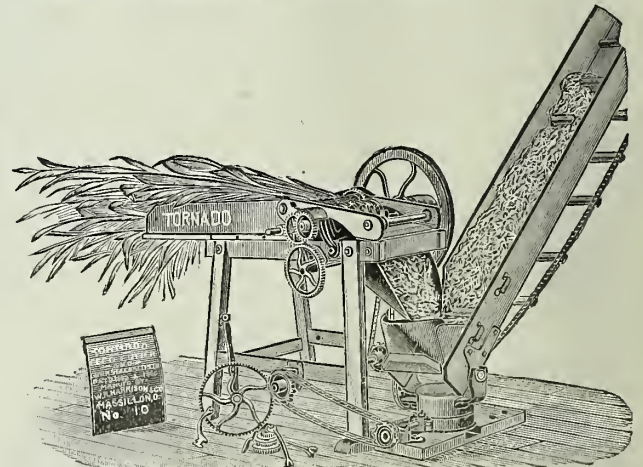
Each Size Made with TWO KNIVES.

In the construction of this machine all the good features found in the Improved Baldwin Feed and Ensilage Cutter which have made that well-known machine so popular. The Gale-Baldwin is a strong feeder, and cuts with great ease and rapidity. The Beecher's Patent Rotary Cutter Head is used exclusively on this machine, and its long use on the power Baldwin machine has proved its superiority over all other devices for ease of adjusting the knives and durability.

DESCRIPTION OF SIZES.

No. 16.—Capacity for ensilage, 2 1/2 to 5 tons per hour. Power required, one to two horse engine. Speed, 500 to 600 revolutions per minute. Cut 1/4, 1/2 3/4 or 1 inch. Pulley and wheel interchangeable.	
Price of Cutter without Carrier,.....	\$60.00
Straight Delivery Carrier, 12 feet long or under,.....	24.00
Angle Delivery Carrier, 12 ft. long or under, with New Spout Carrier,.....	32.00
Over 12 feet, extra per foot,.....	1.50
Safety Treadle Lever,.....	5.00
No. 18.—Capacity for ensilage, 50 to 100 tons per day. Power required, two horse engine. Speed, 500 to 600 revolutions per minute. Cuts 1/8, 3/8, 1/2 or 1 inch. Gear also furnished to cut 1/2 inch if ordered.	
Price of Cutter,.....	\$100.00
Straight Delivery Carrier, 12 feet long or under,.....	24.00
Angle Delivery Carrier, 12 ft. long or under, with New Spout Carrier,.....	32.00
Over 12 feet, extra per foot,.....	1.50
Safety Treadle Lever,.....	5.00
No. 22.—Is a very large and heavy cutter with very great capacity. Power required, five to ten horse engine. Length of cut same as No. 18.	
Price of machine,.....	\$150.00
Straight Delivery Carrier, 12 feet long or under,.....	30.00
Over 12 feet, per foot,.....	2.00
Safety Treadle Lever,.....	6.00

The Tornado Cutter and Shredder.



This machine, which is known as a Shredder, can also be used for cutting hay and straw as well as for a shredder. As may be seen by the illustration, our cutting device consists of a series of laterally bent steel blades, each cast separately in a solid section and placed spirally on the shaft, four blades to each inch of shaft, and by their peculiar shape and arrangement and continuous cutting process split as well as cut the hardest corn stalks (with or without the ears) at one and the same operation. The blades are made of the best grade of steel, and have one and one-half to two inches of wearing surface, according to the size of the cutter. They are easily sharpened or replaced if broken.

SIZES AND PRICES.

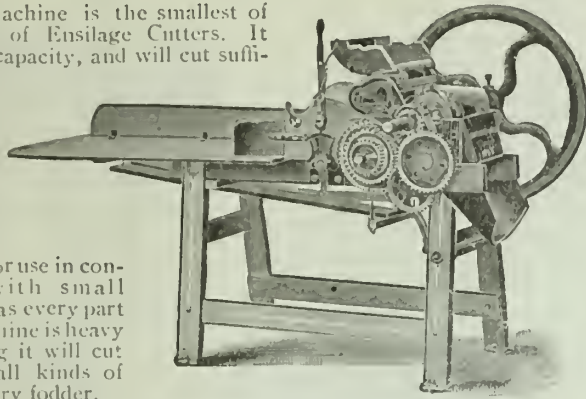
No. 6,.....	\$30.00	No. 12,.....	\$60.00	No. 13,.....	\$ 80.00
No. 8,.....	35.00	No. 15,.....	75.00	No. 16,.....	130.00
No. 10,.....	50.00	No. 11,.....	70.00	No. 19,.....	160.00

WRITE FOR DISCOUNT.

The Freman Feed and Ensilage Cutter.

No. 13.

This machine is the smallest of our series of Ensilage Cutters. It has large capacity, and will cut sufficient feed for from 30 to 60 head of stock. As an ensilage cutter it is a most excellent machine for use in connection with small silos, and as every part of the machine is heavy and strong it will cut perfectly all kinds of green or dry fodder.

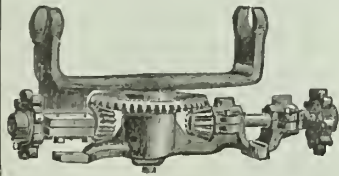


4 knives, each 13 inches, cuts $\frac{1}{4}$ inch, $\frac{1}{2}$ inch, $\frac{3}{4}$ inch long. Weight, 550 lbs. WRITE FOR DISCOUNTS.

LIST PRICE, \$65.00.

SWIVEL CARRIERS.

	12 Feet long, complete.		Additional Length, per foot.	
	Wt.	Price	Wt.	Price
For No. 11 Cutter	215	32 00	6 $\frac{1}{2}$	1 50
For No. 13 Cutter	215	32 00	7 $\frac{1}{2}$	1 00
For No. 16 Cutter	230	33 00	9	1 75
For No. 20 Cutter	310	36 00	12	2 00
For No. 24 Cutter	360	40 00	16	2 25



Swivel Carriers can be attached to any of the power machines. They will deliver either to the right, to the left, the front or at any intermediate point within the half circle, and can be raised or lowered as may be desired, and are far superior to any form of straight carrier. WRITE FOR DISCOUNT.

THE FREEMAN FEED CUTTER.

No. 11.

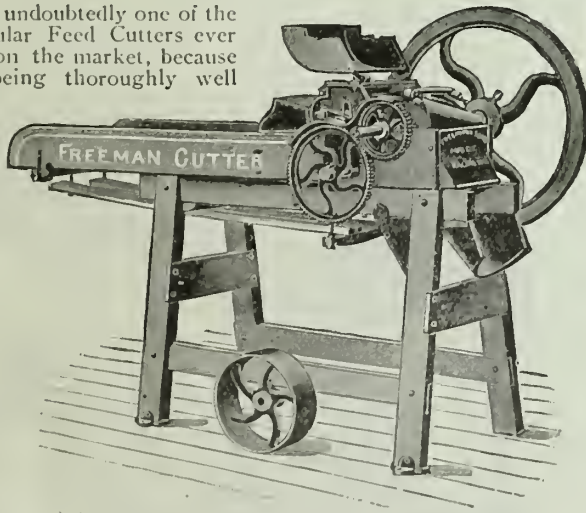
This is undoubtedly one of the most popular Feed Cutters ever placed upon the market, because besides being thoroughly well made in every particular, it is of a size that meets the most general demand.

In construction it is similar to our Cutters Nos. 7&8, except that it is built . . . much larger and stronger.

It is what might properly be termed a medium size power feed cutter, or a large size hand feed cutter, because, while it is built especially for a power cutter, by attaching a crank to one end of the cylinder shaft it can be run by hand with very satisfactory results. 4 knives each 11 inches.

Will cut $\frac{1}{4}$ inch, $\frac{1}{2}$ inch, $\frac{3}{4}$ inch, or 1 inch long. Weight, 410 lbs. WRITE FOR DISCOUNT.

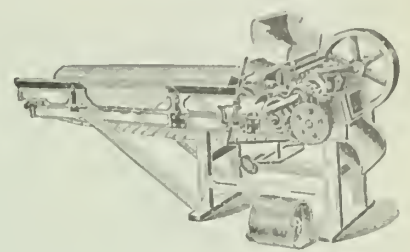
LIST PRICE, \$45.00.



The Freeman Feed and Ensilage Cutter With Travelling or Force Feed Table.



WE CAN FURNISH
13, 16, 20 or 24 IN. CUT with
TRAVELLING TABLE.



The travelling table on this cutter reduces the labor of feeding more than one-half and enables the operator to feed the machine to its full capacity. The table must be used to be appreciated. These cutters are fitted with the adjustable cone feed gearing, the expansion gearing for driving the upper feed roll, the reversible cutting bar, and the safety stop lever for instantly stopping the feed for changing the length of cut without stopping the speed of the cylinder head.

We can furnish either swivel or straight-away carriers for these cutters, and the swivel carrier can be attached to nearly all other makes of cutters.

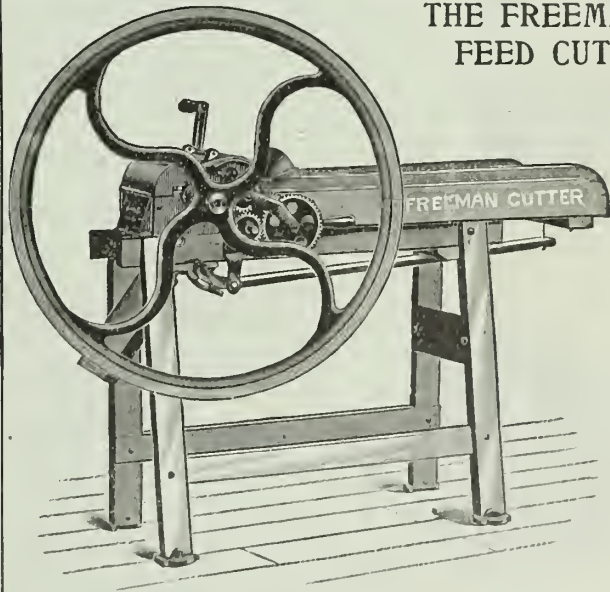
These cutters are fitted with four knives, each 16 inches long, and will cut either $\frac{1}{4}$ -inch, $\frac{1}{2}$ -inch or $\frac{3}{4}$ -inch long. Weight, 600 lbs.

LIST PRICE, WITH TRAVELLING TABLE, \$120.00

LIST PRICE, WITH COMMON TABLE, - 90.00

Write for Catalogue and Discount.

THE FREEMAN FEED CUTTERS.



Nos.
7 and 8.



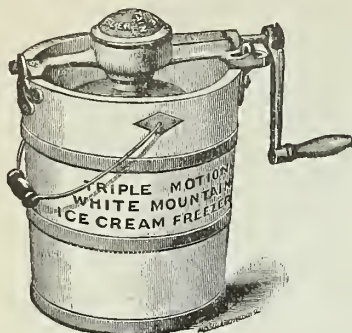
These are the smallest machines in this line of Feed Cutters, but they contain all the important features of the larger machines such as are requisite to cutters of these sizes. They are not built to be run by other than hand power, consequently do not have the safety fly wheel, but instead are fitted with a large and heavy balance wheel which, together with the shearing cut of the knives, makes the machines very light running.

The length of the knives of the No. 7 Cutter is 8 $\frac{1}{2}$ inches, and of the No. 8 Cutter 9 $\frac{1}{2}$ inches. Will cut $\frac{1}{4}$ inch, $\frac{1}{2}$ inch or 1 inch long. WRITE FOR DISCOUNT.

No. 8. 2 knives. Weight, 155 lbs. LIST PRICE, \$30.00.

No. 7. 2 knives. Weight, 150 lbs. LIST PRICE, \$24.00.

White Mountain Ice Cream Freezer.

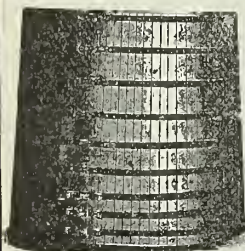


These freezers are imitated, but not equalled. There are cheaper freezers in price than the White Mountain, but not so good.

2 quart.....	Net price, \$1.80
3 quart.....	2.10
4 quart.....	2.60
6 quart.....	3.30
8 quart.....	4.25
10 quart.....	6.00
12 quart.....	7.50
15 quart.....	8.50
20 quart.....	11.75
25 quart.....	15.00

STORAGE TANKS.

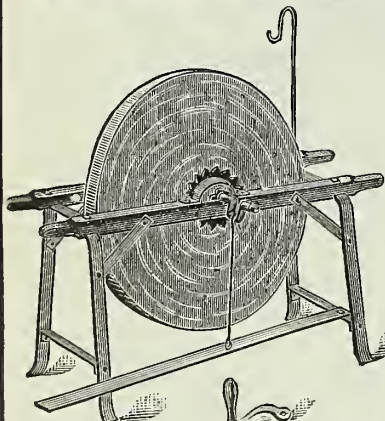
The tanks listed are made of soft pine, free from sap, shakes and unsound knots. They are not painted and are shipped knocked down, unless otherwise ordered. The hoops of the round tanks are each fitted with patent tank lugs. Price of tank does not include cover. Send for circular describing other styles.



Lgh. ame- Stave. ter.	List Prices
5ft. 5ft.	\$21.75
6ft. 5ft.	25.75
5ft. 6ft.	27.50
6ft. 6ft.	31.00
7ft. 6ft.	35.00
6ft. 7ft.	37.50
7ft. 7ft.	41.50
7ft. 8ft.	48.50
8ft. 8ft.	54.25
9ft. 8ft.	58.00
9ft. 9ft.	67.25
9ft. 10ft.	81.25
10ft. 9ft.	75.50
10ft. 10ft.	89.25

Write for Discount.

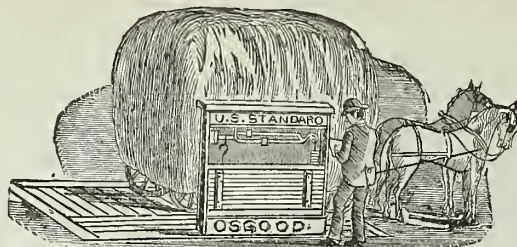
R. B. MOUNTED GRINDSTONES.



This stone is the best Berea Grit. We claim the nicest grindstone ever put upon the market. The legs are iron, and hangings are malleable iron, painted black; the wood beams are painted bright vermilion. The malleable shafts will interchange with any stone. Easily and quickly put in. Very handy to move from one field to another during haying season.

No. 1.	Stone weighs about 110 lbs....	\$5.00
No. 2.	" " " " 80 lbs....	4.50
No. 3.	" " " " 60 lbs....	4.00

The "Osgood" U. S. Standard Coal, Hay and Farm Scales.



There is no better scale on the market than the OSGOOD. We have had one of them in constant use in our seed room for fifteen years, and it is as good, apparently, as when new.

Every OSGOOD Scale warranted to be an accurate United States standard scale, and to last as long as any other scale of like capacity in like location.

Beams (single, double or combination), of extra heavy polished brass, with sliding poise.

Send for free Catalogue and Descriptive Sheet, and Discount.

PRICE WITHOUT LEVERS.

Wood Levers to be Furnished by the Purchaser. All Metal Parts Complete, and Beam Box Furnished at These Prices.

No.	Tons Capacity.	Size of Platform.	Distance from Edge of Platform to Beam Rod.	Single Beam.	Double Beam.	Triple Beam.	Approximate Shipping Weight.
1.....	3	7X13	2 ft.	\$45.50	\$47.50	\$55.50	1b. 225
2.....	3	8X14	2 ft.	45.50	47.50	55.50	225
3.....	4	8X14	2 ft.	50.50	52.50	60.50	250
4.....	5	8X14	2 ft.	55.50	57.50	65.50	250
5.....	5	10X15	1 ft. 7 in.	57.50	59.50	67.50	250
6.....	6	8X15	2 ft. 6 in.	62.50	67.50	74.50	300
7.....	6	8X22	2 ft. 1 in.	82.50	87.50	94.50	500
8.....	10	8X14	2 ft.	87.50	92.50	102.50	350
9.....	10	9X18	2 ft.	102.50	107.50	117.50	500
10.....	10	8X22	2 ft. 1 in.	107.50	112.50	122.50	500
11.....	10	12X22	2 ft.	117.50	127.50	137.50	525
12.....	15	8X15	2 ft. 6 in.	122.50	132.50	142.50	400
13.....	15	8X22	2 ft. 1 in.	142.50	152.50	162.50	550

Extension levers to 5 feet and inclusive from the edge of platform, \$5.00 net, and \$1.00 per foot additional net over and above 5 feet.

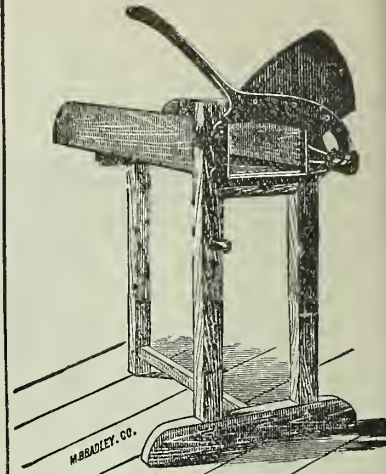
Other sizes can be furnished at a small advance.

Above prices are exclusive of timber and foundation, which are to be furnished by the customer.

Beam Boxes are built complete, nicely painted and lettered, and included in the above prices.

For scales without beam box, deduct \$1.50 net after making discounts. Write for Discount.

LEVER FEED CUTTER.



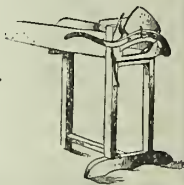
This cutter is designed for those having a small amount of feed to cut, and is one of the best cutters made.

No. 1.	Straight Knife.....	\$4.00
No. 2.	Hawk Bill Knife.....	5.00
No. 2 1/2.	" "	6.00
No. 3.	" "	7.00

The Rich Lever Cutter.

The best lever cutter made. Knife always up to its place.

No. A, each.....	\$4.50
No. B; "	5.00
No. C, "	6.00



Hercules Mounted Stones.

The frame of this stone is made of seasoned oak, with oil finish, strongly braced in all directions. It is furnished with crank and treadle for hand or foot power.

It is designed for our best trade, where the stone is not to be carted from one place to another.

No. 3.	2 1/2 x 26 in.....	\$6.50
No. 6.	2 x 30 in.....	7.00
No. 8.	2 1/2 x 32 in.....	8.00

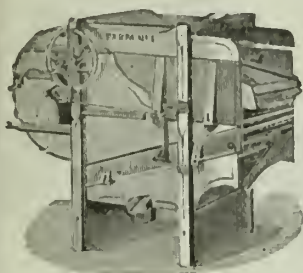


The Centennial Fanning Mill.

The Most Perfect Cleaner, Grader and Separator of all Grain and Seeds.

The Centennial is an excellent chaffer, having plenty of wind and shake. Having two shoes it carries more screens than any other mill in the market. It will separate oats and all seeds, such as pigeon grass, wild buckwheat, cockle, cheat, and other wild seeds from wheat at one operation. The best mill for all purposes in the market.

List price, \$20.00; discount for cash, \$4.



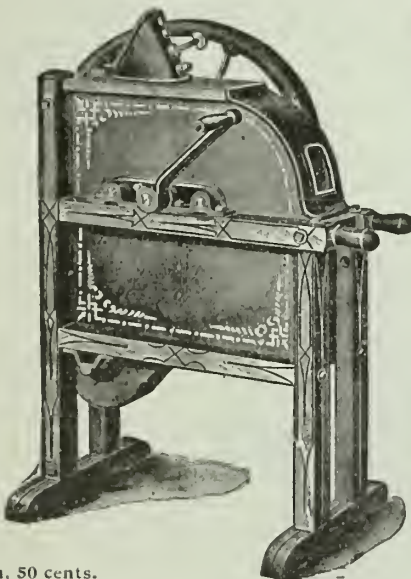
Wisconsin Valley Corn Sheller.

STRICTLY HIGH GRADE.

This is unquestionably the most popular type of hand corn sheller made, and as improved and now manufactured it combines every desirable feature to make it a perfect sheller.

The frame is made of hard wood and is bolted together. The shafting is steel and runs in bored bearings which are bolted to the frame. Great care is taken in every detail of construction, and the entire machine is tastefully ornamented and handsomely finished.

Price, \$8.00 Discount for Cash, 50 cents.



The "Handy" Corn Sheller.

Simple, Strong, Convenient and Cheap.

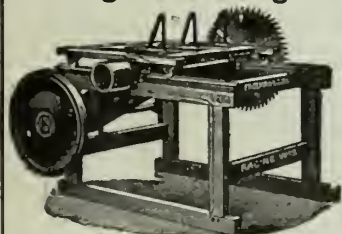
A sheller that is portable, and can be used winter evenings near the kitchen fire to shell pop corn, seed corn, corn for poultry, and for other purposes. Is in demand even by those who own a large sized sheller. It is very simple, and there is nothing about the sheller to get out of order.

Weight, 15 Lbs. Price, \$1.50



Tilting and Sliding Table Pole and Wood Saws.

The accompanying cut shows our latest improvement in this line. In these machines the power is conveyed direct to the saw arbor, from that by an endless rubber belt to the balance wheel shaft. The boxes in which the balance wheel shaft run are adjustable; by simply turning a set screw over each box the belt is tightened so that it cannot slip. We recommend these machines and guarantee them in every respect. Scud for circulars showing all styles of Tilting and Sliding Frames.



REVISED LIST OF WOOD AND POLE SAWS.

Diameter of Saws.	Tilting Table. Wood Saws.	Sliding Table. Wood Saws.	Tilting Table. Pole Saws.	Sliding Table. Pole Saws.
20 Inches.	\$40.00	\$42.50	\$47.50	\$50.00
22 Inches.	42.50	45.00	50.00	52.50
24 Inches.	45.00	47.50	52.50	55.00
26 Inches.	47.50	50.00	55.00	57.50
28 Inches.	50.00	52.50	57.50	60.00

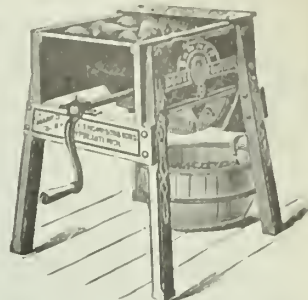
Discount for Cash 33 1/3 Per Cent. Off.

The Banner Root & Vegetable Cutter.

The "Banner" Root Cutter is, without question, the best ever invented. It contains features found in no other machine. It has a self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke. The pieces are cut in long half-round slices, and are not crushed, ground or torn; even young lambs can safely be fed with roots cut with the "Banner" Cutter.

PRICES.

No. 20.	Hand power, capacity, 30 to 50 bushels an hour,	\$11.00
No. 15.	The above fitted with pulley power, capacity, 60 to 80 bushels an hour,	13.00
No. 16.	Power cutter, capacity, 120 to 180 bushels an hour,	28.00



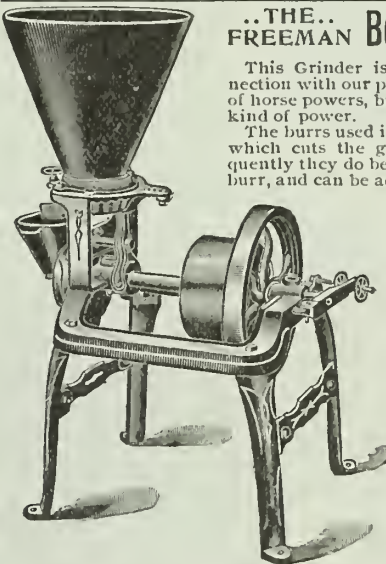
..THE.. FREEMAN Belt Power Feed Grinder.

This Grinder is especially adapted for use in connection with our power wind mills, and with our line of horse power, but it can be driven by belt from any kind of power.

The burrs used in this Grinder are of a peculiar form which cuts the grain instead of crushing it, consequently they do better work than the ordinary style of burrs, and can be adjusted to do much finer work.

The design of the burrs is such that they are not injured by running idle, in fact, running them idle will sharpen rather than dull them, the only harm that can result being more wear than would occur if grain was between the burrs.

These machines have an adjustable shake-feed, which is directly under the hopper, so that the flow of grain may be governed as desired. The quality of the grinding is controlled by a hand wheel and a regulating lever. This lever is provided with a safety break pin of sufficient strength to hold the burrs so that they will grind the grain, but should nails or other hard substances get between the burrs the pin will break and allow the burrs to separate, thus preventing injury to the burrs. We furnish with this machine two sets of coarse burrs



suitable for ordinary grinding, but if so ordered we will furnish one set of coarse burrs for feed and one set of fine burrs for meal.

Driving pulley 10 inches diameter by 6 inch face.

Burrs 7 inches in diameter. Weight 230 lbs. Price, \$35.00 Write for discount.

CAPACITY.—Based on Corn and Oats Mixed.

Revolutions of Burrs per Minute.	Capacity per Hour.	Horse Power Required.
125 to 150	3 to 4 Bushels.	1 Horse.
300 to 325	6 to 7 Bushels.	2 Horse.
650 to 700	10 to 12 Bushels.	4 Horse.
1,000 to 1,200	18 to 20 Bushels.	6 Horse.

Whitman's Hercules Baling Press.

Highest Awards at World's Fair, Chicago, and in Every Other Contest.

HAND POWER. For Hay, Straw, Wool, Broom Corn, Pea Vines, Cotton, Rags, Paper, Hair, Moss and all Materials Requiring Baling.

We guarantee this Press to be more rapid and powerful than any Hand Power Baler of same size in use. The Press embodies many new and novel features in its construction, the power being very simple and strong, having a fast and slow motion which can be instantly changed while operating. In beginning to press the bale, when little power is required, the long link (fast motion) is used; when the long link is connected the short link does not operate on wheel; when the bale becomes more solid the long link is thrown back on lever and the short link (slow speed), having many times more power than the other, connects itself with ratchet wheel to finish pressing the bale. When the bale is pressed, the sides, with ends attached, can be instantly opened and the bale exposed for wiring or tying. After tying, the power is loosened, the top beam and follower removed, when the bale is rolled to one side. If the material requires sacking, it can be readily done and securely fastened without trouble.



This Press can be all taken apart in two minutes, no bolts or screws requiring to be removed, enabling two men or boys to move any portion of it easily, and set up same for work. The sides are hinged at the bottom and held together by a patent connection, which is easily operated.

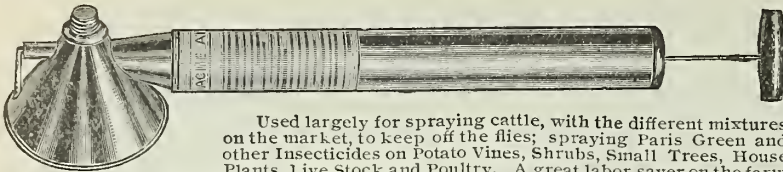
This class of Press heretofore has been so heavy and cumbersome, that a large force has been required to operate and move them. This machine has become very popular wherever introduced, and never fails to give perfect satisfaction. The Wood Lever can be instantly removed from the socket when desired. One man and boy can make a heavier bale in this press than three can on any other machine of this class.

Retail Price List on Cars or Boat at St. Louis.

No.	Size.	Weight of Bales.	Weight.	Weight Boxed Cubic for Export.	Feet.	Price.
No. 1.	Bales 42 x 18 x 20 in.	From 100 to 150 lbs.	850 lbs.	1,000 lbs.	38	\$ 95.00
No. 2.	Bales 44 x 24 x 22 in.	From 125 to 200 lbs.	900 lbs.	1,100 lbs.	46	100.00
No. 3.	Bales 54 x 26 x 24 in.	From 150 to 250 lbs.	975 lbs.	1,280 lbs.	60	105.00
No.	Bales 60 x 26 x 24 in.	From 200 to 250 lbs.	1,150 lbs.	1,400 lbs.	70	110.00

SEND FOR CIRCULARS OF POWER PRESS.

THE ACME ATOMIZER.

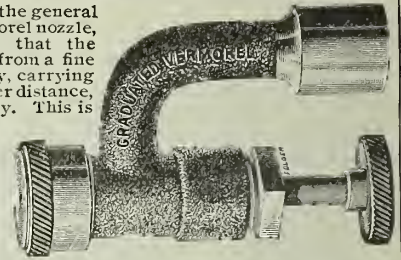


Used largely for spraying cattle, with the different mixtures on the market, to keep off the flies; spraying Paris Green and other Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor saver on the farm and in every garden, barn, greenhouse, orchard and henery. It will apply the finest possible spray on any object desired and exterminate any kind of insect life. Weighs only one pound. Can hold one and one-half pints. Well and simply made of tin or brass, combined into the strongest possible shape, it cannot come apart, and easily cleans itself when turned upside down. Indispensable on every farm.

Price, Tin, 75c.; Tin, with Brass Cup, \$1.00; Tin, Double, \$1.00

Myers' Graduating Spray Nozzle.

This is constructed on the general plan of the regular Vermorel nozzle, with the improvement that the spray can be graduated from a fine mist up to a solid spray, carrying the stream a much greater distance, or can be shut off entirely. This is accomplished by adjusting the screw plunger by means of thumb nut. The degorger is operated by the screw plunger instead of spring.



Price, 85cts.

WOODASON'S LIQUID SPRAYER.



For the destruction of insects, rust, smut, mildew, blight, rot, etc., also for spraying cattle to protect them from flies.

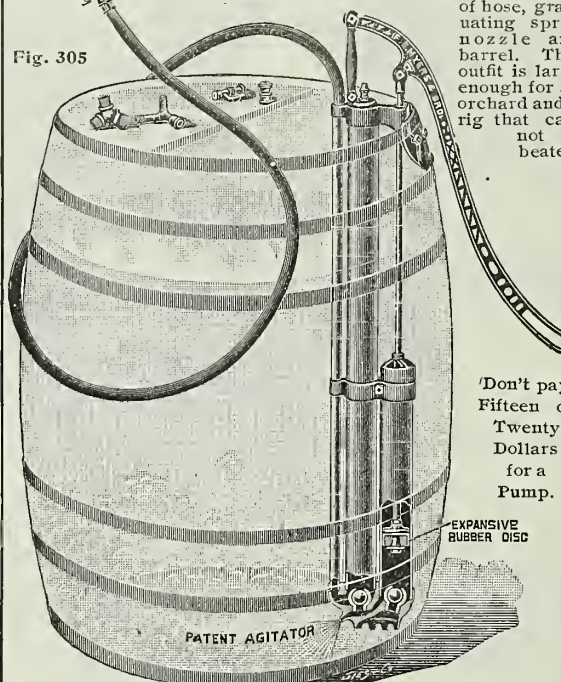
Price, Large, \$2.00; Small, \$1.25

MYERS' BRASS SPRAY PUMP.

This Pump has More Real Advantages than are contained in any other pump on the market.

This pump is constructed of material that is not affected by the poisonous arsenites used in the different formulas for spraying fruit trees, vines and shrubbery. The cylinder and all working parts are brass; has rubber ball valves, and is equipped with our Graduating Spray Nozzle, which will throw a spray as fine as mist. A great many pumps advertised for spraying are only sprinklers. Fig. 305 shows our latest Barrel Pump which is furnished with 8 foot extension pipe, 8 feet

Fig. 305



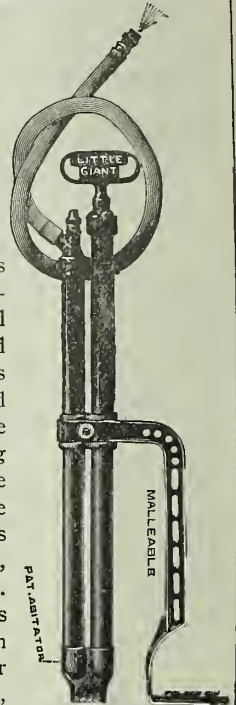
of hose, graduating spray nozzle and barrel. This outfit is large enough for an orchard and a rig that cannot be beaten.

Don't pay Fifteen or Twenty Dollars for a Pump.

PRICE, - - - \$10.00

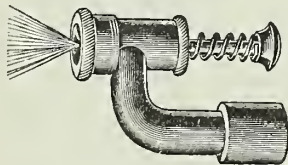
Brass Bucket Spray Pump.

This pump is constructed entirely of brass, a metal that is not affected by the poisonous preparations used in spraying. The labor of pumping is all done on the downward stroke of the pump. Has large air chamber, and ball valves. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. Will throw a solid stream 50 feet. This is the best hand pump we have, and is very handy for washing windows and sprinkling lawns where there is no water pressure. Has foot rest as shown, best hose and spray nozzle. Price, \$4.00



No. 327 1-2

IMPROVED VERMOREL NOZZLE WITH DEGORGER.



Arranged with stuffing box, so that the liquid will not wet the operator while being used; fitted for 1-2 inch male end or 1-4 inch pipe. Each nozzle is furnished with two caps, with different sized openings, for coarse or fine spray.

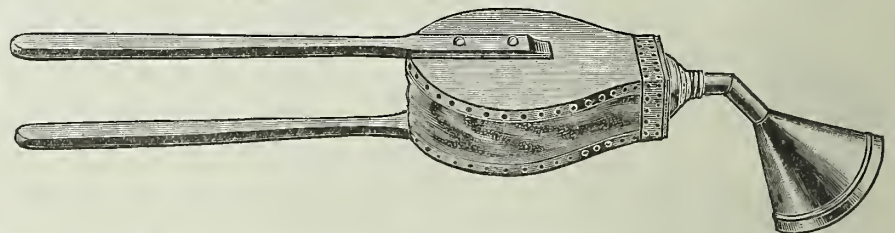
Price, 85 Cents.

DAISY TIN FORCE PUMP.



This is a good low-priced force pump; used for sprinkling vines and shrubs, also used for white-washing and other similar uses. Made of tin and has two nozzles. Net Price, \$1.00

ACME POWDER GUN.



A simple, practical implement for the extermination of potato bugs and all kinds of insects, flies, etc., the pests of every house and garden. It will handle all insecticides in their dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms, and all like pests. Is well made, with a hardwood head block, hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under the leaves of plants and shrubs) and is well finished throughout. Every farmer should have one. Net Price, \$1.00



HOTCHKISS DRY POWDER GUN.

For applying clear Paris Green and other dry insecticides for destroying potato bugs and all other injurious insects. It does away with the slow, laborious process of applying mixtures in water or plaster. The process is a quick and effective way, and every farmer should obtain one of these light and easy running machines.

Price, \$5.00

Champion Paris Green or Dry Powder Gun

For distributing dry insecticides and fungicides such as Paris Green, London Purple, Hellebore, Sulphur, Lime, "Fungiroid," Tobacco Dust, etc. Destroys potato bugs and all other insects, and prevents blight. The standard machine for applying insecticides dry. Sure, Rapid, Safe, Strong and Cheap.

Retail Price, \$7.50



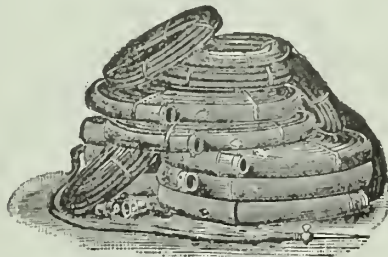
THE LENOX SPRAYER.



A cheap sprinkler for applying poisonous fluids such as Paris Green water, etc., to grape vines, low trees, bushes, potatoes, garden vegetables, etc. Can be carried either on the back or by hand, as desired. It is made of galvanized iron, holds five gallons of fluid, which flows through the rubber tube and is forced out in a spray by pressing the rubber bulb head in the hand; this spray will reach to 12 feet. The Lenox Sprayer is not adapted for throwing fungioid, such as Bordeaux mixture, the spray is not fine enough.

Price, \$3.25

BEST WARRANTED RUBBER AND COTTON HOSE.

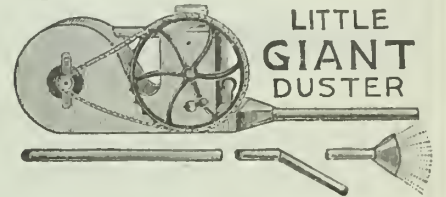


We handle only brands of Rubber Hose that we can warrant, and our customers can always depend on getting their moneys worth, for we will replace any piece that is imperfect. Our hose this season was made for us by a well-known firm, and as we placed our order for this season's supply before the advance, are therefore in a position to make very low prices. It is always economy to buy the best grade as it will last, with good care, two or three years. We furnish hose in 25 and 50 feet lengths only and make no extra charge for couplings.

PRICES.

	1/2-Inch.	3/4-Inch.
New Method, Five-Ply...	\$.12	\$.14
Sterling, Four-Ply.....	.10	.12
Standard, Three-Ply.....	.09	.11
Trade, Three-Ply.....	.08	.10
Cotton, Gulf Stream.....	.10	.12

Improved Little Giant Duster.

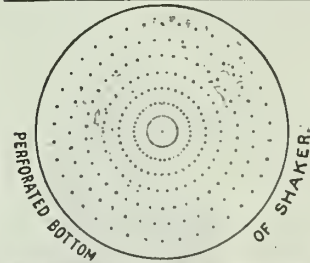
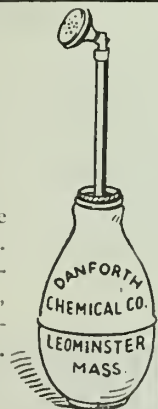


Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Fungioid (the dry Bordeaux Mixture), Spanish Pink, Pyrethrum Powder, etc. Weighs only five pounds complete. Full length with tubes, 4 feet 8 inches. Price, \$5.00

Rubber Atomizers.

This is a useful little device for house or out-door use. Made of best rubber and distributes Bug Death, Hellebore, Slug Shot or Poisonous liquids.

Price, 75 Cents.



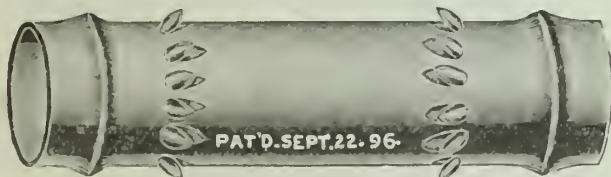
.. The .. Perfection Shaker.



Especially adapted for applying Bug Death, Slug Shot, Paris Green, and other powders.

Price, 65c.

THE "COOPER" BRASS HOSE MENDER.



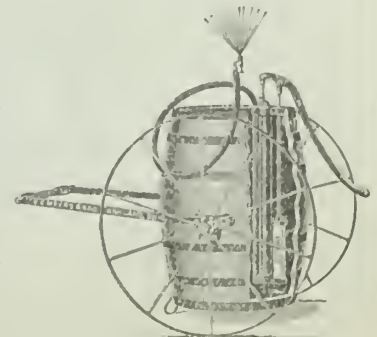
Made of thin brass tubing; will not rust or wear out; scarcely decreases the flow of water. Easily applied by any one; simply cut out your bad piece of hose and force the ends of the good hose over the mender until they meet in the centre. No other fastening is required; the barbs will hold it firm, and no matter what strain is put on the hose it will be as good as new at the point mended, and will not leak.

Price, each, 10 cents; per dozen, 75 cents.

No. 838 SPRAY PUMP. MOUNTED ON A..... STEEL BARREL TRUCK.

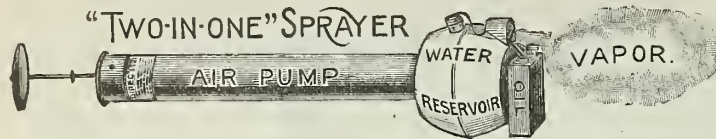
This is our No. 305 Pump, mounted on wheels, and for small orchards where it is impossible to drive with a team this is the dandiest rig made. We can sell it complete, or the truck separate.

Price, complete, including Truck, Barrel Extension, Pipe Spray Nozzle and 6 feet of Hose..... \$14.00
Truck, Separate..... \$4.00



THE DEWEY

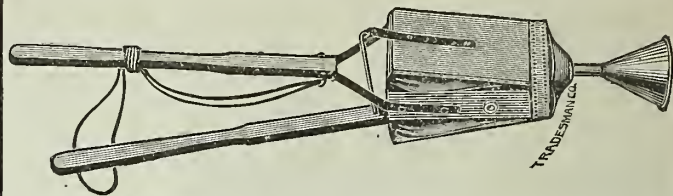
"TWO-IN-ONE" SPRAYER



This machine has two reservoirs, one for water and the other for kerosene. Any desired quantity of oil may be vaporized with the water mechanically. This will take the place of kerosene emulsion, and is applied much easier. It is very light and convenient to handle, and will take the place of high-priced pumps.

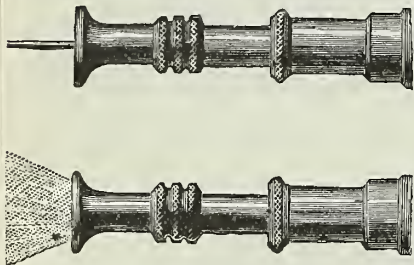
Net Price, \$1.50

NEWBERRY DOUBLE ACTING POWDER GUN.



This powder distributor is similar to the Acme shown on preceding page, but is a great improvement where a large amount of work is to be done. It has a double acting, substantial bellows which works when opening and closing thus throwing a continuous stream. It is provided with a support to hang on the neck of the operator which makes the work very light, and with it a large amount of work may be done in a day. Price, \$1.50

The "Boston" Spray Nozzle.

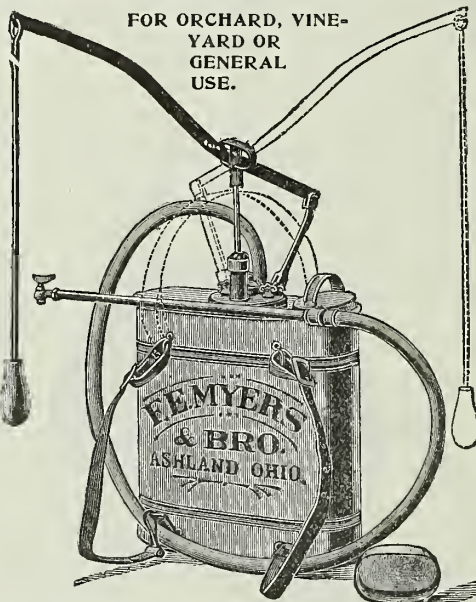


Will throw a coarse or a fine spray, a large or a small solid stream. The spray can be closely contracted or made to cover a large area. These results are obtained by revolving it part way round.

Price, - - 35 Cents.

KNAPSACK SPRAY PUMP No. 331

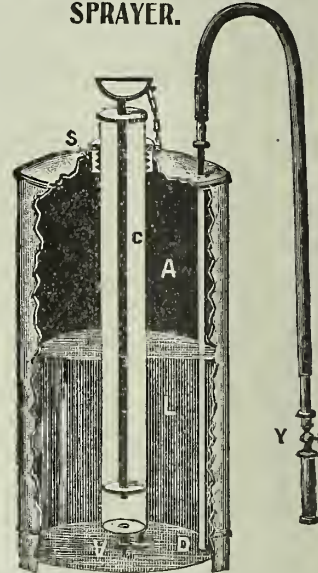
FOR ORCHARD, VINEYARD OR GENERAL USE.



The tank of this pump holds five gallons, is fitted up with lid and strainer, which can be removed. The pump is our regular Copper Tank Spray Pump, with large chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can use it the same as tank with bucket pump, viz.: set the knapsack on the ground and work pump with handle. Can be carried by hooking snap in strap on the opposite side provided for that purpose, making a neat handle, as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will.

NET PRICE, - - \$10.00

THE ROCHESTER SELF-OPERATING SPRAYER.

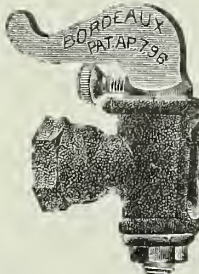


This Sprayer is filled not more than two-thirds full by unscrewing and removing the Brass Air Pump and the machine charged with compressed air. The air enters the sprayer through the valve at bottom of pump, thoroughly agitating and mixing the contents of sprayer. The compressed air, being powerful and elastic, forces the liquid out through the outlet pipe, making either a fine spray or a solid continuous stream as desired. This size machine holds from 3 to 4 gallons, weighs 8 pounds. The body is made of Galvanized Iron or Copper as desired. Air pump is made of Brass. Price, Galvanized Iron, \$5.00; Copper, \$8.00

Bordeaux Spray and Solid Stream Nozzle.

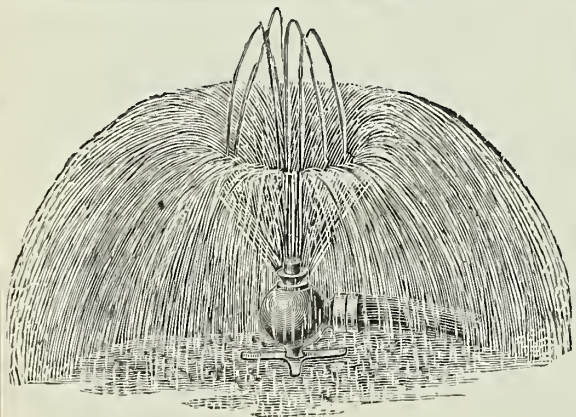
Use this Nozzle for Whitewashing.

Will throw a fine fan shaped spray and will readily free itself, should it become clogged, by turning the cock handle. It will throw a solid stream or may be shut off altogether, as desired. It is especially recommended for use in connection with the Bordeaux mixture, and all Knapsack sprayers.

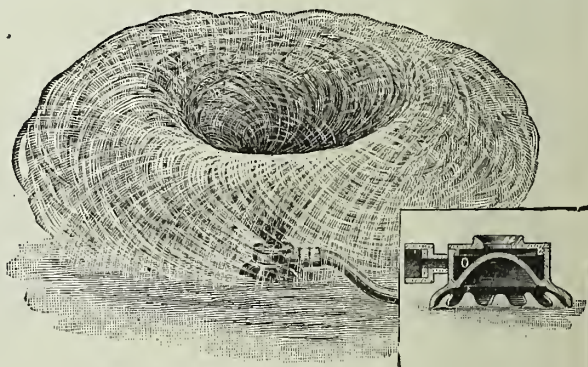


Price, 85 Cents.

**Lawn...
Sprinklers**



A Good Lawn Sprinkler is a necessary adjunct to all well-kept lawns and grass plots. The water is distributed finely and evenly, and by leaving a sprinkler in one position long enough the grass can be thoroughly saturated, thereby insuring a luxuriant, fresh green sward during the hottest summer drought.



MELAVIN LAWN SPRINKLER.—There is no revolving parts to this sprinkler to get out of order or to get stuffed up in use. A most beautiful water effect is produced; it throws a spray from 15 to 20 feet according to the amount of water pressure. Price, 40c. By mail, postpaid, 50c.

DELUGE LAWN SPRINKLER.—This sprinkler is similar to our Melavin but does not have the centre pyramid, but will throw more water and consequently is best adapted where a large amount of water is desired and the effect is equal to the Melavin. Price, 50c. By mail, postpaid, 60c.

Furber Wood Pumps.



This is the best wood out-door pump that we can buy. It has the patent closed handle bracket so that stones or any rubbish cannot get into the box; patent let-off to prevent freezing; iron top lined or unlined.

Use 6 x 6 for house use; 7 x 7 for stock.

6x6 Inch Stock, 3 1-2 Inch Bore, for General Use.

	Porcelain Lined.	Unlined.
7 feet long,	\$ 7.50	\$ 6.00
8 "	8.00	6.50
10 "	9.00	7.50
12 "	10.00	8.50
14 "	11.25	9.75
16 "	12.50	11.00

Use 4x4 pipe for above pumps, per foot, - - - - \$.18
Couplings and band for the above, each, - - - - .50

7x7 Inch Stock, 4 Inch Bore.

	Porcelain Lined.	Unlined.
7 feet long,	\$ 9.50	\$ 7.75
8 "	10.00	8.50
Use 4½x4½ inch pipe, per ft.,		.23
Couplings and bands for the above, each, - - - -		.60

Retail price, 25% off from List.

PRICE LIST OF EXTRAS OR REPAIRS.

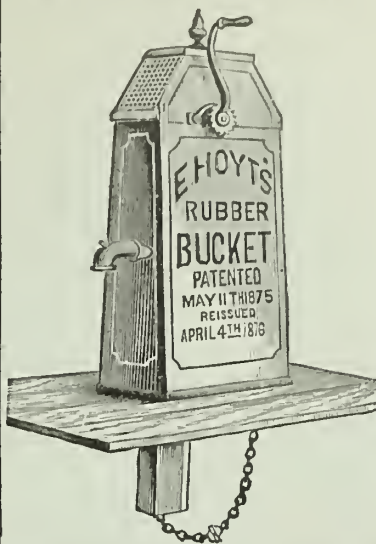
Extra buckets, complete, 3½ inch, - - - -	\$.80
Extra Buckets, complete, 4 inch, - - - -	1.00
Extra Buckets, complete, 4½ inch, - - - -	1.25
Extra Handles for all pumps,	.30
Plunger Rod, per foot, -	.03
Extra Plunger Rod Links, -	.25
Extra Check Valves, per doz,	1.50
Iron Spout, each, for 6x6 House Pumps, - - - -	.30
Bands, each, - - - -	.10
Drop Box Valve for drop box lining, - - - -	1.00
Bucket Leathers, assorted, per dozen, - - - -	3.50
Furber's Patent Closed Bracket, - - - -	.80
Bucket Rubbers, each, 3½ in.	.40
Rod Couplings, malleable iron, - - - -	.40

List Price for first 10 feet, \$10.00; after that 50 cents per foot. For wells over 25 feet deep 20 per cent. discount; less than 25 feet, 10 per cent. discount.

Ross Brothers, Worcester, Mass.:-

Received pump in good order. Was very easily put in running order. My girl five years old can draw the water from a 29-foot well. Anyone wanting a pump for a well or cistern I would advise them to communicate with Ross Bros.

Rubber Bucket Chain Pumps.



This is the old reliable Rubber Bucket Chain Pump, and until the **Bucket Pump** shown below came onto the market, it was used largely in wells where the water was impure, as the constant motion of the chain and buckets kept the water in motion and prevented sediment. They are one of the best cheap pumps.

PRICES.

Curbs, each, - - -	\$3.00
Chain, per lb., (3 ft. to lb.)	.10
Wood Tubing, per foot,	.07
Rubber Buckets, each,	.15

Drink Pure Water and Enjoy Good Health

BY USING THE

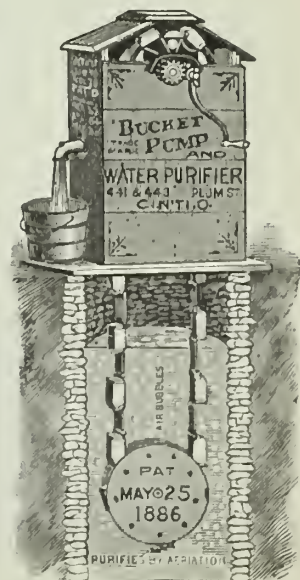
Bucket Pump TRADE AND MARK Water Purifier.

BEST ON EARTH FOR WELLS AND CISTERNS.

Endorsed by all Scientists and the Medical Profession as the "Grandest Water Purifier of the Age," and a preventative against Cholera, Typhoid, Scarlet and Malarial Fevers.

WARRANTED TO PURIFY A FOUL WELL OR CISTERN IN TEN DAYS USE.

It draws 10 gallons of water per minute; it has no tubing to rust or wear out; is always at its best and ready for use; never has to be packed, primed or thawed out; will make bad water good and good water better; will not freeze, having stood the test of 38° below zero; will not rust, the chain and bucket being made of galvanized steel; a ten year old boy can draw water with ease from a sixty foot well; can be put up in 15 minutes, as it has no attachment below the platform; has no wooden tubing, rubber or leather in contact with the water to contaminate it; after years of service the same number of turns of the crank draws the same amount of water as when new.



CLARK SUMMIT, PA., July 5th, 1899.

Yours, EDWIN SCOTT.

INSECTICIDES.



For the Destruction of All Kinds of Insects That
Infest CATTLE, POULTRY or PLANTS.

WE give below a list of Poisons, and on next page, instructions how and when to apply, to prevent the destruction of Fruits and Flowers, which are attacked some time during the season, and by following these rules, using remedies that are reliable, and applying with our Sprayers, you will be rewarded with a bounteous crop.



Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897.

Paris Green. A poisonous, insoluble powder, indispensable on the farm—for preventing the ravages of potato bugs, codling moth, caterpillars, slugs and bugs. Mix 1 pound with 100 pounds of plaster, or 200 gallons of water. May be used clear with the Leggett & Hotchkiss guns. Per lb. 25c, 5 lbs. \$1.00.

Dry Bordeaux Powder. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. 1 lb. 15c, 5 lbs. 75c.



Dry Bordeaux Mixture and Paris Green. It kills potato bugs and all plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition. Paris Green has always been known as the best insecticide, and Bordeaux Mixture is acknowledged to be the best fungicide and, according to reports received from different experiment stations of the United States, it is being more extensively used every year. In one and three pound boxes, per lb. 20c.

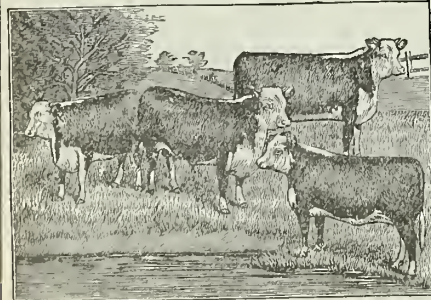
Lion Brand Bordeaux Mixture (Liquid). This mixture is put up in one gallon patent cans. Retail for \$1.00. One gallon will make 50 gallons by the addition of 49 gallons of water. Gallon cans \$1.00.

Cold Tar. In quart tin boxes. For tarring corn to prevent crows from pulling it. Per can, 25c.

London Purple. Used by some in place of Paris Green. Per lb. 25c.

Hellebore. Sure death to the currant worm. Per lb. 25c, 1-2 lb. 15c, 1-4 lb. 10c.
Whale Oil Soap. For destroying insects on plants, etc; in small boxes, per box 25c, in 10 lb. lots or over, per lb. 10c.

Spanish Pink. Non-poisonous to man or beast; kills cabbage willow or web worms, caterpillars, rose and potato bugs; excellent for squash, cucumber and melon vines. Price per lb. 25c.



not exist, no irritation to take off the hair can result from using Cattle Comfort.

Bug Death. It is a non-poisonous article that effectually takes the place of Paris Green and other dangerous insect powders. It is sure death to the potato, squash and cucumber bugs, currant and tomato worms, and many other plant-eating pests. It is a plant food of great merit, a benefit instead of injury to all plants, and prevention of blight or rust to the potato tops, keeping the tops healthy until the potato fully matures, which means a more starchy and perfect potato, less liable to rot. It is applied dry, which saves the trouble and expense of carrying water. It will not blow or wash off, saving the expense of applying after every shower. It can be applied early in the morning when plant is wet, or during damp, drizzly weather. The advantage of applying it while the vine is damp is that it will adhere to the vine under all conditions, and can be done while the farmer is waiting for good weather, and is there ready for the grub as soon as hatched.

Price, 1 lb. 15c, 3 lbs. 35c, 5 lbs. 50c 12 1-2 lbs. \$1.00. Give it a trial.

The directions for using Cattle Comfort suggests the dilution or mixing it half and half with kerosene or coal oil. This is done because Cattle Comfort is sufficiently emolient used in this proportion to overcome all tendency in kerosene of itself to produce irritation enough to take off hair, but the mixing should be thorough; when the two are put together, this lessens the cost. Animals, like human beings, have skins of different degrees of sensitiveness. Put up in quarts, 45c; gallons, \$1.15.

Hammond's Slug Shot.

Hammond's Slug Shot is a combination of the most potent insecticides and soluble plant food, not harmful to either man, beast or fowl, but probably the most effective and economical article in use for the destruction of the various insects that prey upon cultivated vegetation. It is put up in paper bags, holding 5 and 10 pounds each, and in barrels loose; 5 lb. package, 25c; 10 lb. package, 50c; in barrels, per lb 4c.

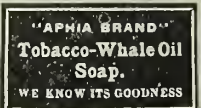


P. D. Q. Powder For lice and fleas on animals and poultry. No washing necessary; does the work in quick time, and is perfectly harmless. 1 lb. box, 25c; 5 lb. box, \$1.00.

P. D. Q. Powder For vegetables. Kills all kinds of insects; is especially recommended for cranberries. 1 lb. 20c, 7 lbs. \$1.00.

Tobacco and Whale Oil Soap.

Something new to prevent scale, green and black fly, mealy bug and red spider on greenhouse plants, and kills lice on dogs and poultry. Price, 25c.



Tobacco Stems. Indispensable for fumigating greenhouses and conservatories; for destroying aphids, should be dampened before using, and use a small handful on some dry shavings, and light it. Price per 100 lbs., \$1.75.

Tobacco Dust. Kills green and black fly, etc., if dusted on when the plants are moist. Also good to mix in the soil to destroy ground insects. Small size 15 cents, large size 25 cents.

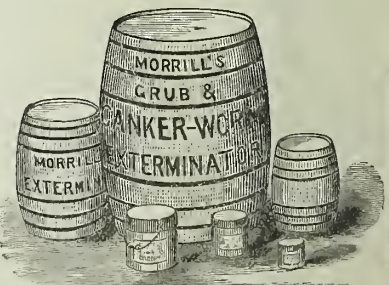
Greeley's Cholera Cure. The only known and unfailing remedy for cholera, indigestion, diarrhoea and bowel diseases of poultry. Price, 50 cents.

Greeley's Roup Cure. The result of twenty-five years' experience. A sure cure if used in season. Price, 25 cents.

Lambert's Death to Lice. As its name implies, it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. Large size 50 cents, small size 25 cents.

Morrill's Canker Worm Exterminator.

A sure protection for fruit trees and ornamental trees from the ravages of the grub and canker worm. As easily applied as paint or whitewash by first placing a band of tarred paper six inches in width, securely fastened around the tree four feet above the ground, then covering the paper thoroughly with the exterminator, using a common paint brush. For 2 lb. can, 30c; 3 lb. cans, 45c; 5 lb. cans, 60c; 10 lb. cans, \$1.10; 20 lb. cans, \$2.00.





How and When to Spray.



PLANT.	First Application.	Second Application.	Third Application.	Fourth Application.	Fifth Application.
Apple — (Canker worm, codling moth, bud moth, scab).	Spray before buds start, using copper sulphate solution.	After the blossoms have formed, but before they open. Bordeaux and Paris green.*	Within a week after blossoms have fallen, Bordeaux and Paris green.	10 to 14 days later, repeat.	10 to 14 days later, Bordeaux or weak copper sulphate
Bean—(Anthracnose).	When blossoms appear, spray with Bordeaux.	10 days later, repeat.	10 to 14 days later, weak copper sulphate solution.	Repeat last, if necessary.	
Cabbage—(Worms, aphids).	When worms first appear, kerosene emulsion, or Paris green.	If worms or aphids are present, repeat if plants are not heading, using emulsion for aphids.	If aphides persist, or if worms reappear, use kerosene emulsion, if plants are not heading.	After heads form, use saltpetre for worms, a teaspoonful to a gallon of water, emulsion for aphides.	Repeat, if necessary.
Carnation—(Rust and other fungous diseases).	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blossoms open.	While in bloom spray every week with the dilute copper sulphate solution.	Repeat, if necessary.
Cherry—(Rot, aphid, curculio and slug).	Before buds start, use copper sulphate solution. For aphid, kerosene emulsion.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, weak.	Repeat, if necessary.
Currant — (Worms, mildew).	As soon as worms are seen, Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.†		
Gooseberry — (Mildew, worms).	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English varieties. As soon as fruit has set, repeat.*	10 to 14 days later, repeat if necessary.	If mildew persists after crop is gathered, Bordeaux. If necessary, very weak copper sulphate solution.
Grape—(Flea-beetle, fungous diseases).	Before buds burst, copper sulphate solution and Paris green.	When first leaves are half grown, Bordeaux and Paris green.	Repeat at intervals of 10 to 14 days.	10 to 14 days later, Bordeaux mixture, if disease is present.	
Nursery Stock — (Fungous diseases).	When buds burst, Bordeaux.	Repeat at intervals of 10 to 14 days.	Repeat at intervals of 10 to 14 days.		
Peach, Apricot—(Leaf curl, curculio, mildew and rot).	Before buds swell, copper sulphate solution.	As soon as fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 12 days later, repeat.	If rot persists, use very weak copper sulphate solution every 5 to 7 days.†
Pear—(Leaf blight, scab, psylla and codling moth).	Before buds start, copper sulphate solution.	Within a week after blossoms fall, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bordeaux.	10 to 16 days later, Bordeaux.†
Plum—(Black knot, rot and all fungous diseases, curculio.)	As buds start, copper sulphate solution. Cut out knot and burn.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later repeat.	10 to 20 days later, Bordeaux.	Weak copper sulphate solution, as is necessary.
Potato — (Beetles, scab, blight).	For scab, soak seed in corrosive sublimate solution (2 oz. in 16 gallons of water for 90 minutes.)	When beetles or their larvae appear, Paris green (1 pound to 100 pounds of plaster).	Repeat whenever necessary.	When blight of the leaves is accompanied by rot of the tubers, Bordeaux.	Repeat, if necessary.
Quince—(Leaf and fruit spot, rot).	Before buds start, copper sulphate solution.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Bordeaux or copper sulphate solution, as is necessary.
Raspberry Blackberry—(Anthracnose, rust).	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphate solution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.	
Rose — (Mildew, black spot, red spider, aphids).	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to a paste.	Black spot: Spray plants once a week with weak copper sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphid: Kerosene emulsion.	
Strawberry—(Rust).	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or weak copper sulphate solution.	As soon as berries are harvested, Bordeaux (if to be kept longer. If necessary, spray with weak copper sulphate solution.		
Tomato—(Rot and blight, worms).	When first fruits have set, Bordeaux.	If disease appears, repeat* or use weak copper sulphate solution.	NOTE. — Use kerosene emulsion, very weak.		
Violet — (Blight, red spider).	When blight is first seen, weak copper sulphate, Kerosene emulsion for insects.	Repeat at intervals of 10 to 20 days, as necessary for blight.			

SPECIAL NOTES.

For **Black Knot** on cherries and plums, cut out and destroy by burning the diseased parts as soon as discovered.

For **Aphid** on all plants use kerosene emulsion.

If **Red Rust** appears the entire stools affected should be cut out and burned.

Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.

EXPLANATION.—Whenever an asterisk (*) is used it cautions against spraying with poisons while the plants are in blossom; a dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food. While the number of applications recommended will be found desirable, in seasons when the fungi are less troublesome a smaller number may often suffice.

FUNGICIDES.

COPPER SULPHATE SOLUTION.

Copper Sulphate.....1 lb.
Water.....25 gals.

For use only before the buds open. It is ready for use as soon as dissolved in water.

BORDEAUX MIXTURE.

Copper sulphate.....4 lbs.
Quick lime.....4 lbs.
Paris green (for leaf-eating insects).....4 oz.
Water (1 barrel).....42-50 galls.

To prevent potato rot, 6 lbs. of copper sulphate is used instead of four.

AMMONIACAL COPPER CARBONATE.

Copper carbonate.....5 oz.
Ammonia.....2 qts.

Water (1 barrel).....40-50 galls.
For use late in the season when Bordeaux mixture may stain the fruit. It is also best adapted for green-house spraying.

INSECTICIDES.

KEROSENE EMULSION.

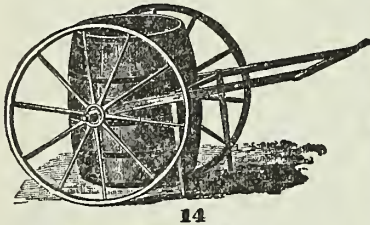
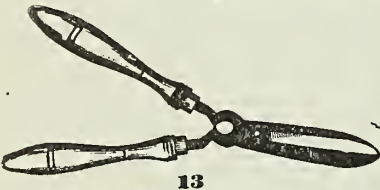
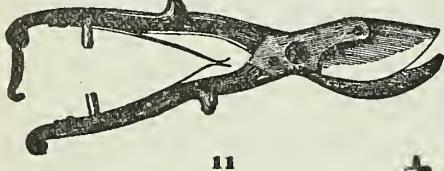
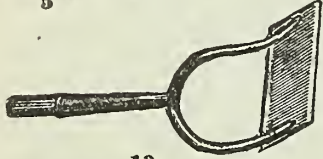
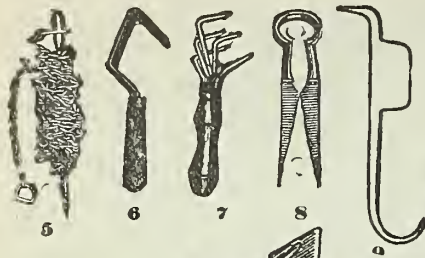
Kerosene (coal oil).....2 gals.
Rain water.....1 " "
Soap.....1/2 lb.

To be diluted before use with 9 parts of water. For sucking insects.

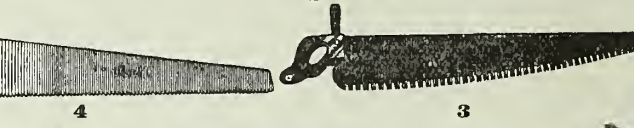
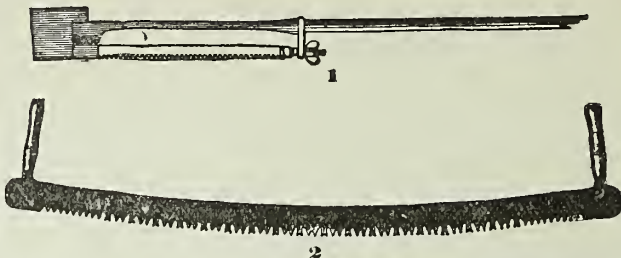
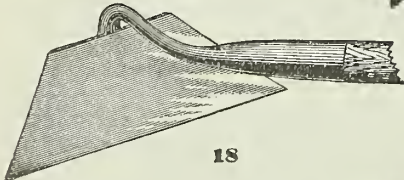
PARIS GREEN AND WATER.

Paris green.....1 lb.
Lime (fresh).....1 " "
Water.....200 galls.

For insects which eat foliage.

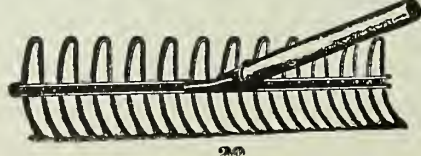
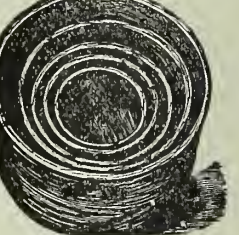
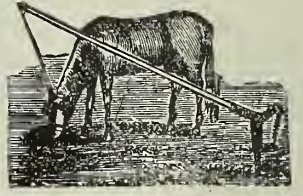
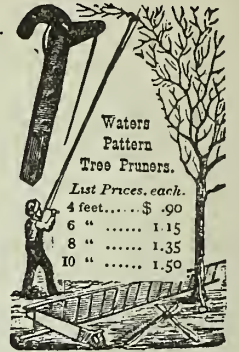


BULL RINGS.



Hedge Shears, Border Knives, Scuffle Hoe, Weeders, Etc.

- Pruning Saw and Chisel, (Fig 1), \$1.00
- One Man Saw, (Fig. 3) 3 ft., \$1.50; 3 1/2 ft., \$1.75; 4 ft., \$2.00; 4 1/2 ft., \$2.25.
- Narrow Tree Saw, (Fig. 2) with handles, 4 1/2 ft., \$1.15; 5 ft., \$1.25; 5 1/2 ft., \$1.40; 6 ft., \$1.50.
- Pruning Saw, (Fig. 4) 60 cents; Double Edged, Fine and Course Teeth, Straight Blade, 60 cents; Curved Blade, 75 cents.
- Tethering Chain, (Fig. 5) with Stake, 30 ft., 2.00
- Weeder,—Hazelton's, (Fig. 6),25
- Weeder—Secor, (Fig. 7),10
- Sheep Shears, (Fig. 8), used for grass,50
- Grafting Chisel, (Fig. 9),50
- Scuffle Hoe (Fig. 10), 6 in., 45 c.; 7 in., 50c.; 8 in., 55c.; 9 in., 60c.
- French Pruning Shears, (Fig. 11),50
- Garden Syringe, Brass, (Fig. 12) No. A, 12 inch barrel, \$2.00; No. 12., 14 in., \$3.00; No., 2, 14 1/2 in., \$4.00; No. 1, Brass hydro sprayer, Cyclone nozzle, \$6.00.
- Hedge Shears, (Fig. 13) No. 100, 9 in., \$1.50; No. 101, notch in blade for large limbs, \$1.75
- Water Barrel Truck, (Fig. 14) without barrel, including irons, 6.00
- Bull Rings, (Fig. 15) Copper, 2 1/2 and 3 inch, . . .30
- Post Hole Digger, (Fig. 16) Gibbs patent, . . .1.50
- Scuffle Hoe,—Arlington (Fig. 17) 6,7,8, and 9 in. Sunnyside Hoe, (Fig. 18), 35c.; 3 for . . .1.00
- Combination Border Knife and Scuffle Hoe, (Fig. 19). Easily changed from knife to hoe, .75
- Lawn Rake—The Queen, (Fig. 20) Wire, tinned 60c. The Canton Wire. wood head. 40c.
- Tree Pruner—Waters' (Fig. 21), 4 ft., 90c.; 6 ft., \$1.15; 8 ft., \$1.35; 10 ft., \$1.50; 12 ft., \$1.75.
- Animal Tether—Wright's Pat., (Fig. 22) animals cannot get entangled, 2.75
- Calf Feeder, Small's, (Fig. 23), \$2.00; extra nipples, .25
- Wood Measures, Oak, (Fig. 24) Full set, sealed, \$1.25, 1 qt., 10c., 2 qt., 15c., 4 qt., 25c., 8 qt., 30c., 1-2 bush., 50c.
- Corn Tie, Holdfast, (Fig. 25), per hundred, . . .1.50
- Carver's, per hundred, 60c., per thousand, . . .5.00
- Paris Green Sifter, Farmer's Favorite, (Fig. 26) .1.25
- Tomato Support, (Fig. 27) Galv. Wire, Folds, . . .15



Wire Egg Carrier.



The latest and best invention for handling eggs.

6 doz...each \$1.00	25 doz...each \$2.00
9 " " " 1.25	30 " " " 2.25
15 " " " 1.50	36 " " " 2.50
20 " " " 1.75	

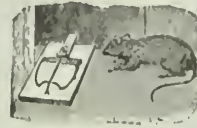
Our Special Out-Door Dryer.



Made of Best Stock, Cotton Line.
110 Foot Line..... \$4.00
150 " " " " " 4.50

Above includes box to go into the ground.

Out-of-Sight Rat and Mouse Trap.



Here is your rat, where is your cat? Never mind, if you have this trap.

For Rats..... 25 cts.
For Mice..... 10 cts.

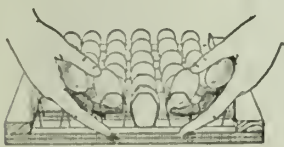
Fruit Pickers.



The Peerless Very handy for gathering apples, pears or plums.

Price, Peerless..... 25 cts.
Price, Young s..... 20 cts.

Wire Egg Trays.



Handy for Grocerman, or for retailing to private families.

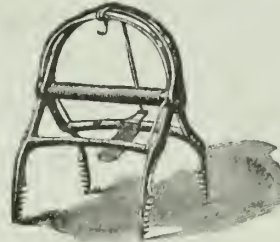
Holding one doz., each..... 10c.
Holding two " " " " " 20c.

Hill's Balcony Dryer.



The best Dryer made for balconies. Endorsed by all the leading architects.
List Price..... \$12.00
Discount for Cash..... 1.00

Out of Sight Mole Trap.



The Out-of-Sight Mole Trap outsells all others, because it is designed right and built right.

Price, \$1.00, by express.
Price, \$1.25 by mail, postpaid.

Strawberry Baskets.



Fruit put up in a neat package always commands a better price than that shipped in cheap baskets.

Order early, do not delay until the goods are wanted, and then expect them the next day.

Prices—No. 1 All White Stock wire tacked, 100 50c, 1000 \$4.00.
Close Corner, or Huckleberry baskets, 100 60c, 1000 \$4.50.
Special price on lots of 5000 or over.

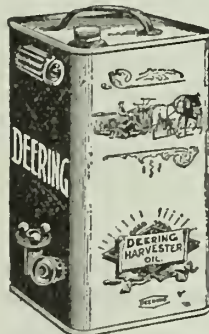
Barn and Store Trucks.



Made of hard wood, and wheels run on steel axle.

Price..... \$2.25

Deering Machine Oil.



Never use cheap oil, the best is none too good. If you buy Deering Oil your machines will run easy.

Price, 2 Qt. Can..... 40c.
Price, 4 Qt. Can..... 75c.

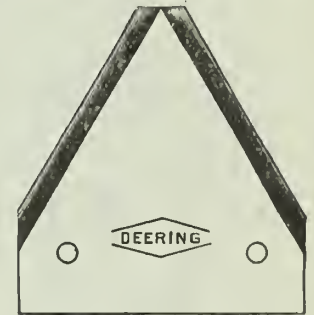
Lawn and Flower Bed Wickets.



Protects flower beds from cogs, cats or children; very ornamental painted green.

Per Dozen..... \$.75
Per 100..... 5.00

Mowing Machine Sections.

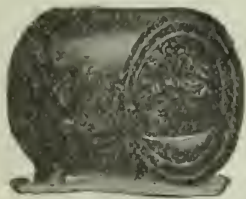


Deering, Wood,
Buckeye, McCormick,
Champion, Osborn.

Each, 6c; per 100, \$5 00.

Give size of section, or send old one for pattern.

W. R. Poultry Fountain.



Very handy and convenient. 2 qts. 20c, 4 qts. 30 c, 8 qts. 40c.

E. H. M. Poultry Fountain.



Easiest fountain to clean ever made. 1 qt. 20c, 2 qts. 25c, 4 qts. 35c, 8 qts. 50c.

Deering Binder Twine.



Manila or Sisal Binder Twine, for grain reapers or corn harvesters. This is also used for tying vegetables for the market; is much cheaper than raffia, and not as much work to tie. It is put up in 5 pound balls, a very convenient size. Price per pound, 15 cents.



Incubator Thermometers. These Thermometers are warranted, and no better name than Wilder ever went on to a thermometer. Price each, 50 cents.

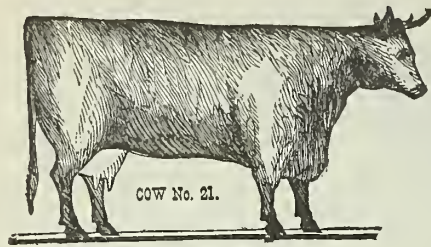


Fig. 2.

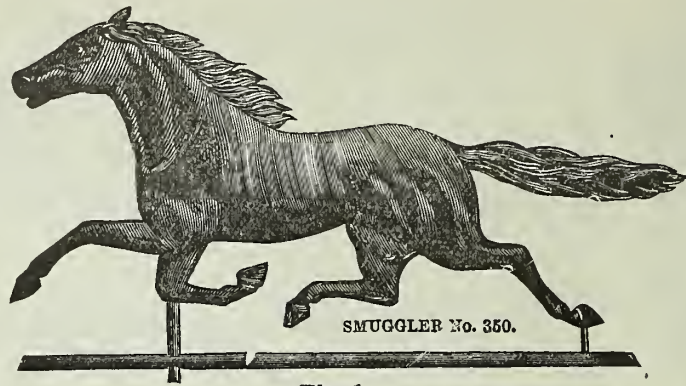


Fig. 1.

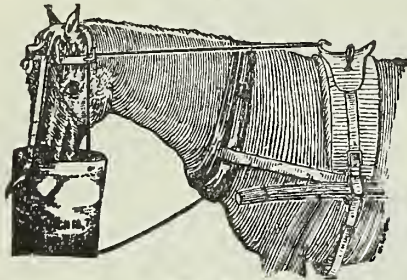


Fig. 3.

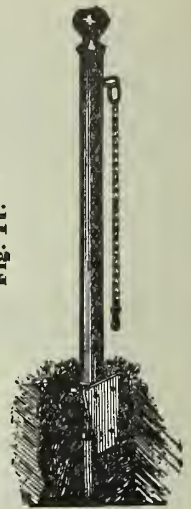


Fig. 11.

Vanes, Stable Fixtures, Feed Bags, Jacks, Hitching Posts, Etc.

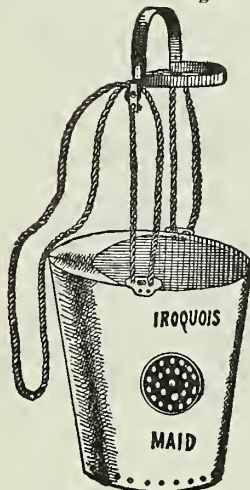


Fig. 4.

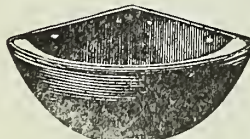


Fig. 5.

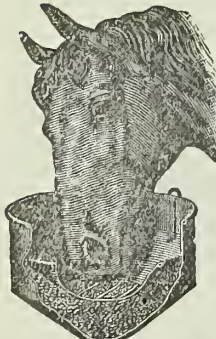


Fig. 6.

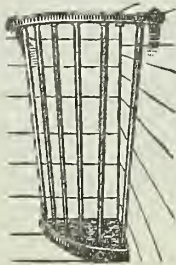


Fig. 7.



Fig. 8.



Fig. 9.



Fig. 10.

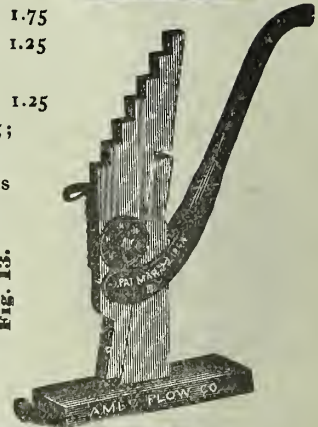


Fig. 13.



Fig. 12.

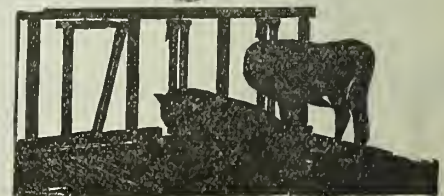


Fig. 14.

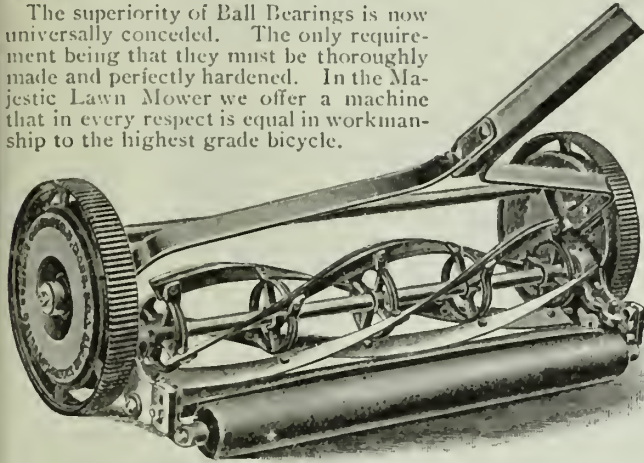
Weather Vane, Smuggler, (Fig. 1) 31 inch, complete,	\$12.00
Cow, (Fig. 2) 25 inch, \$12.00; 33 inch,	24.00
Feed Bag, Whittaker's Patent, (Fig. 3) Wood Bottom, Overdraw Check,	.75
All Canvas,	.60
Feed Bag (Fig. 4) Iroquois Maid, Leather Bottom and Ventilator,	.90
Iroquois Chief, (Folding Bag) Patent Pocket and Hinge Bottom,	
Leather or Galvanized Steel, Wire Ventilator,	1.00
Iroquois Brave, Patent Doweled, Rabbeted Wood Bottom,	.75
All have Pat. Overdraw Check and Bridle, with Pulley Attachment.	
Stall Manger, (Fig. 5) The Standard Corner Cast Iron Manger,	1.25
Slow Feed, same shape,	1.50
National Feed Box (Fig 6) Slow Feed, great grain saver,	2.00
Wrought Iron Corner Rack, (Fig. 7),	1.50
Cast Iron Corner Rack, (broader),	1.00
Stall Hook, (Fig. 8),	.50
Wrought Iron Wire Stall Guard, (Fig. 9) 72 x 24,	3.60
Wheeler Evener, (Fig. 10) Draft always comes even on both tugs, no	
side draft or galling. Sold on trial,	3.50
Iron Hitching Post, (Fig. 11), with chain,	1.75
Wood Hitching Post,	1.25
Wheel Jack, Lockport, (Fig. 12) four sizes, suitable for large range of	
work, light or heavy, No. 1, \$4.00; No. 2, \$2.25; No. 3, \$1.75; No. 4,	1.25
Giant Jack, (Fig. 13) the Standard Wood Jack, No. 0, \$2.00; No. 1, \$2.25;	
No. 2, \$2.75; No. 3, \$3.25.	
Smith's Cattle Stanchions, (Fig. 14) Self Adjusting Fastener, 1.25. In lots	
of 10, 1.15.	

The Majestic Lawn Mower.

HIGH WHEEL. BALL BEARING.

Driving wheels 10 inches in diameter. Four revolving knives.
Ball bearings used in this machine are equal to those used in the best bicycles.

The superiority of Ball Bearings is now universally conceded. The only requirement being that they must be thoroughly made and perfectly hardened. In the Majestic Lawn Mower we offer a machine that in every respect is equal in workmanship to the highest grade bicycle.



The revolving knives run on twenty-eight $\frac{1}{4}$ inch cast steel balls, fourteen at each end.

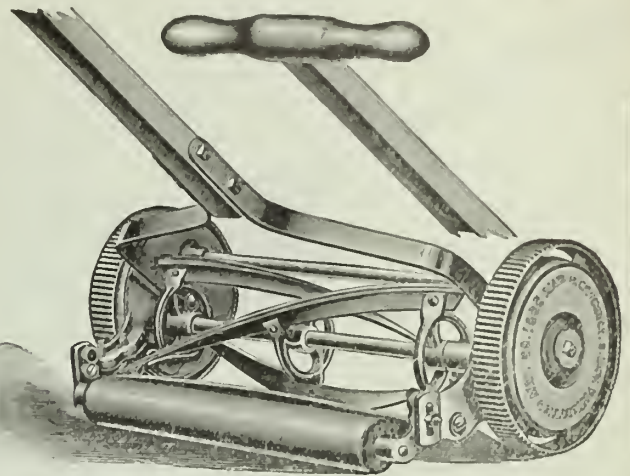
The Ball Races and Adjusting Cones are also made from cast steel and perfectly hardened and ground. As a result the mower runs easily, remains in adjustment and does better work than is possible with parallel bearings, which tend to wear out of true and allow "lost motion" to the knives.

The Majestic Lawn Mower is designed for a machine of higher grade than has heretofore been attempted, and is offered as the Perfection of Lawn Mowing Machines.

EVERY MOWER WARRANTED UNCONDITIONALLY.

List, 14-in., \$17.00 Net, \$7.50 List, 18-in., \$21.00 Net, \$ 9.50
List, 16-in., 19.00 Net, 8.50 List, 20-in., 23.00 Net, 10.50

The Charley Ross Lawn Mower.



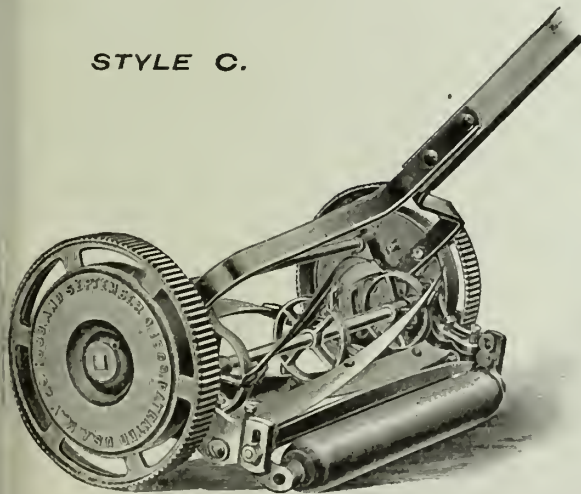
Next to the Rossmoyne we recommend this mower which is made for us by the most reliable manufacturers in the country. It is a strictly high grade machine in every particular and, excepting the Rossmoyne, is equal to any mower made but sold at a much lower price. The extra rim on the wheel makes it nearly equal to our Rossmoyne high wheel. If you are looking for a three-knife machine at a medium price try this one. 8 in. wheel.

We can furnish this Machine with Ball-bearings at an advance of, $\frac{1}{2}$ \$1.00 Over the Following Prices.

12-inch,.....\$3.75 14-inch,.....\$4.00 16-inch,.....\$4.25
18-inch,.....\$4.50 20-inch,.....\$4.75

Rossmoyne Lawn Mower.

STYLE C.



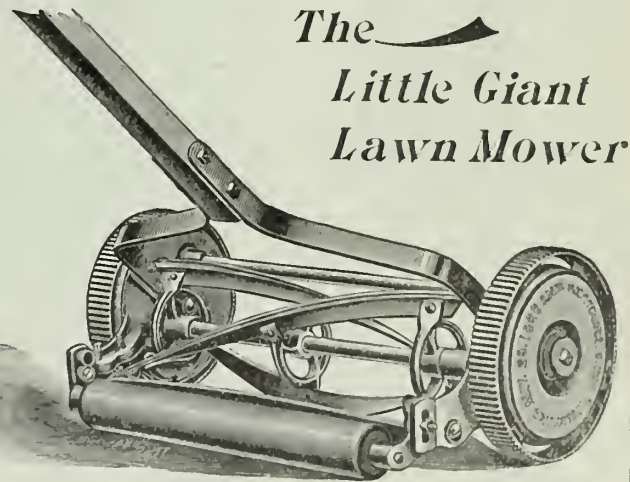
This machine has four knives, 10-inch wheels and is of same grade as the Charley Ross, with the extra knife and high wheel. This machine has given universal satisfaction for the past two years and is the

best mower of its class on the market. This is a strictly high grade machine. All bearings and connections are fitted in a lathe and every part fits to perfection. The knives are made of the very best steel, and you will make no mistake in buying this machine although it costs a little more than the other styles.

We can furnish this Machine with Ball-bearings at an advance of $\frac{1}{2}$ \$1.00 Above the Following Prices:

12-inch,.....\$4.25 14-inch,.....\$4.50 16-inch,.....\$4.75
18-inch,.....\$5.00 20-inch,.....\$5.25

The Little Giant Lawn Mower



For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as a high grade machine, and being a light running mower is preferred by many to the higher grade styles. We warrant every machine and have never had to replace one. 8 in. wheel.

NET PRICES.

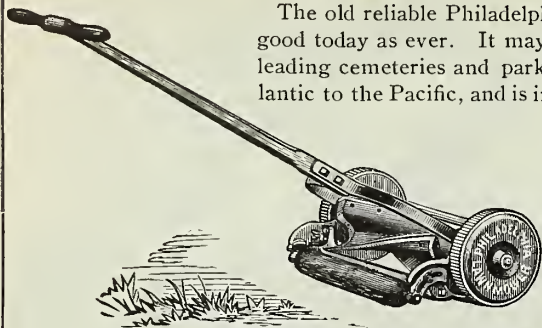
12-inch,..\$2.75 14-inch,..\$3.00 16-inch,..\$3.25 18-inch,..\$3.50

All the machines shown on this page have the Flexible Lower Knife and may be adjusted by a child.

The Philadelphia Lawn Mower.

STYLE M.

The old reliable Philadelphia Mower is as good today as ever. It may be found in the leading cemeteries and parks from the Atlantic to the Pacific, and is imitated by more manufacturers than any other make. This is guarantee enough that it is the old reliable.



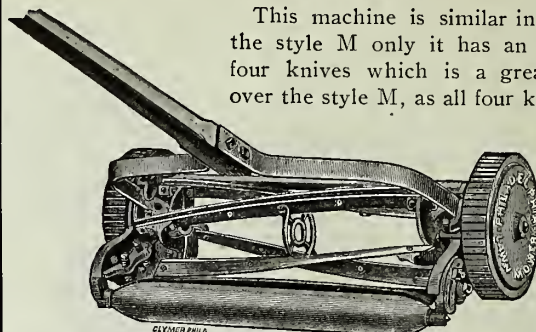
STYLE M. SOLID WIPER. 7-INCH WHEEL.

List price, 14 inch,.....	\$17.00	Net price,.....	\$6.00
List price, 16 inch,.....	19.00	Net price,.....	6.50
List price, 18 inch,.....	21.00	Net price,.....	7.00

The Philadelphia Lawn Mower.

STYLE S.

This machine is similar in construction to the style M only it has an open wiper and four knives which is a great improvement over the style M, as all four knife mowers do better work than those with three.

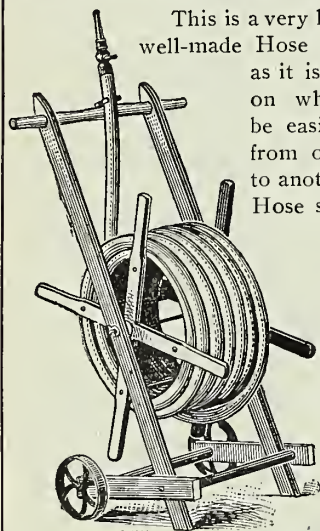


STYLE S. 4-KNIFE. OPEN WIPER. 7 IN. WHEEL.

Width of cut, 14 in.	Weight, 33 lbs.	List, \$17.00	Net, \$6.50
Width of cut, 16 in.	Weight, 34 lbs.	List, 19.00	Net, 7.00
Width of cut, 18 in.	Weight, 36 lbs.	List, 21.00	Net, 7.50
Width of cut, 20 in.	Weight, 40 lbs.	List, 23.00	Net, 8.00

The Eclipse Hose Reel.

This is a very handy and well-made Hose Reel and as it is mounted on wheels can be easily moved from one place to another.



Hose should always be wound on a reel as it prevents it from rotting.

Price, 75 Cts.

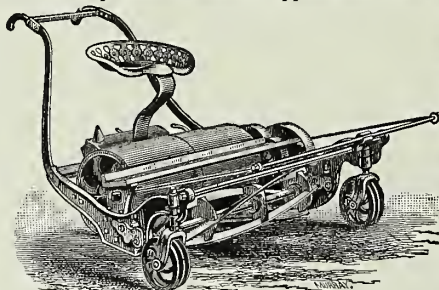


THE AUBURN HOSE REEL.

This is similar to above only made of better material. Has six instead of four arms and is painted red. Price, \$1.75

New Excelsior Horse Lawn Mower.

It is quite essential to those having extensive lawns who desire to keep them in fine order that the grass should be evenly cut in order to produce a beautiful appearance. The New Excelsior



Horse Lawn Mower is especially built for this purpose, and the numerous testimonials received from all parts of this and foreign countries justify us in claiming for this machine that it is the best Horse Lawn

Mower on the market. We furnish the Mower with side-draught attachment that permits the horse to walk only on the cut grass. We use the sectional caster wheels which do not roll down the standing grass nor leave unsightly marks upon the lawn. For many years the Excelsior Lawn Mower has been in use on the public parks in large cities, on college lawns throughout the country, at military posts and on extensive private parks in this and foreign countries, and have uniformly given entire satisfaction. We fully guarantee them in every particular.

The Horse Lawn Mower is made in Four Styles, viz.:

25-inch cut, without Seat or Shafts,	\$ 65.00
30-inch cut, with Seat and Shafts,	110.00
35-inch cut, with Seat and Shafts,	135.00
40-inch cut, with Seat and Shafts,	170.00

Please note that no seat can be used on the 25-inch cut Mower, but shafts and side draught attachment can be furnished when specially ordered. Full directions for setting up accompany each mower. WRITE FOR DISCOUNT.

Arctic Lawn Swing.



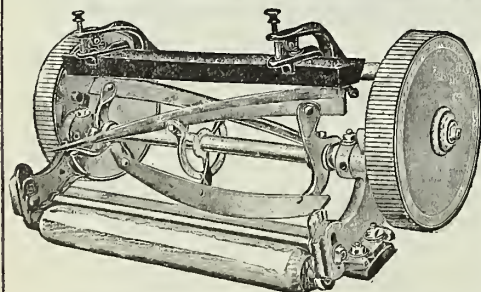
The Arctic Lawn Swing and Hammock with or without Awning.

As a swing this affords a most comfortable lounging place you can think of. The backs of the chairs are adjustable and can be set up straight or inclined at as great an angle as you wish.

Price, with Awning, \$6.00;
Price, without Awning, 5.50

Leshure's Adjustable Lawn Mower Sharpener.

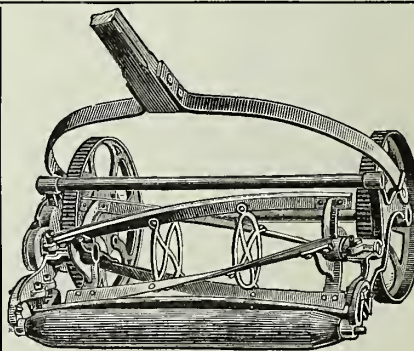
Patented. A Permanent Fixture. Always Ready. Lawn Mowers Always Sharp.



Put the stone into the holders pressing tightly. Set the holders on the front bar so the knives will strike the stone in the center as shown in cut. If the knives are not straight, lower the stone so the knives will touch lightly on the high places and gradually lower the stone as the knives are ground, so the stone will touch the knives evenly.

To sharpen lower knife, use the stone as a file. The sharpener should be kept on the mower.

Price, \$1.25



THE PHILADELPHIA LAWN MOWER.

STYLE A.

This is the best Philadelphia Mower made. It has a 10-inch driving wheel; 6 1/2-inch cylinder with four knives; constructed of steel throughout. It has a train of three gears instead of a single pinion.

Style A. 4-Knife. Open Wiper. 10-inch Drive Wheel.

Width of cut, 15 in.	Weight, 39 lbs.	List, \$25.00	Net, \$10.00
Width of cut, 17 in.	Weight, 42 lbs.	List, 28.00	Net, 11.00
Width of cut, 19 in.	Weight, 44 lbs.	List, 32.00	Net, 12.00
Width of cut, 21 in.	Weight, 46 lbs.	List, 34.00	Net, 13.00

Beekman Garden Barrow.



This barrow is made of hardwood but not all oak; it is well made, all parts being bolted or screwed. Our best seller.

PRICES.

- No. 4. Medium Size, for garden..... 3.00
- No. 6. Large Size, for farmers,..... 3.25

Klondyke Steel Tray Barrow.



This barrow is made similar to our Contractors' Favorite with the exception of the tray which is made of one piece of sheet steel about the size of a wood tray. Trays are painted one heavy coat of paint.

Price, each, \$2.75

Economy Wood Burning Tank Heater.

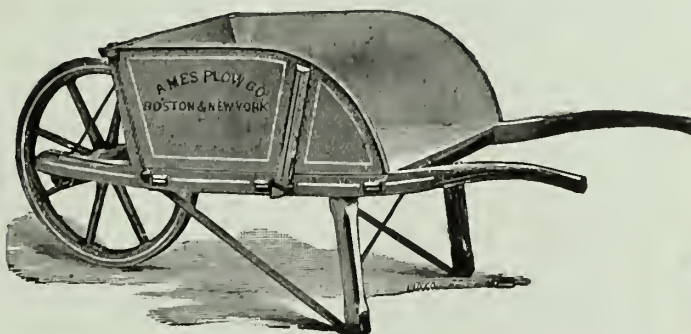


This heater burns wood or cobs and is designed for out door use. Will heat a large tank of water in a very short time.

Price, \$8.50

Lawn or Garden Wheelbarrow.

CUSTOM MADE.



This barrow we have made for us and is especially designed for our retail trade. It is made entirely of oak, is handsomely painted and varnished, and is put together with bolts and screws. Has a high wheel with eight spokes. It is an ornament to any garden. One size only.

No. 4. Price, \$4.00



Eclipse Wagon Jack.

The BEST cheap Wagon Jack made. Will lift any light wagon or carriage. Iron plate on top to prevent wear.

PRICE, ONLY 50 CENTS.

THE UNION SPRING STEEL WIRE CUSHION.



The best in the market for wagons, carriages, barges, etc. Made any size in length or width. Can be used either side up, and are hooked together so they cannot get out of order. They are placed on the seat and are used with only a thin cushion or a blanket on them, and in wet weather can be used alone.

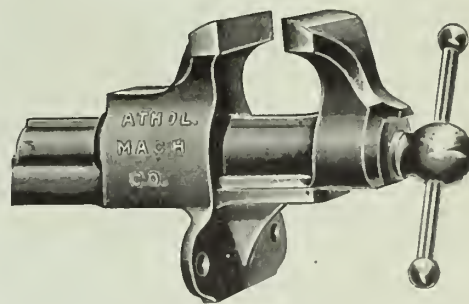
PRICES.

- 14-Inch, \$1.25; 18-Inch, \$1.50; 42-Inch, \$3.00
- Other Sizes Made to Order.

FARMERS' OVAL SLIDE VISES.

Made of best quality of stock with hardened steel jaws and proportioned for strength and durability.

	Width of Jaws.	Jaws Open.	List Price.	Net Price.
No. 63.	2 in.	3 in.	\$2.50	\$1.65
No. 64.	2½ in.	3½ in.	2.70	1.80
No. 65.	3 in.	4½ in.	3.60	2.35
No. 66.	3½ in.	5½ in.	4.65	3.00
No. 67.	4 in.	6½ in.	6.70	4.40



Common Bolted Dump Barrow.



This is a much better made barrow for the price than is usually sold. The legs and braces are bolted, has a good wood wheel

with iron bound hub, and with the exception of our Contractors' Favorite is the best dump made. Price, each, \$1.60; per dozen, \$18.00

Dump, or Contractors' Barrow.



The Contractors' Favorite Dump Barrow is without doubt the strongest and most durable dump barrow on the market. Please notice the Iron Shoe, which is unlike any other barrow. The stock used is the very best, and it is bolted throughout. We can furnish either wood or steel wheel.

Price, each, Wood Wheel, \$1.75, doz. \$20.00; Steel Wheel, \$2.00, doz. \$23.00

WIND, HORSE AND STEAM POWERS.

THE FREEMAN STEEL WINDMILL.

In designing these mills, great care has been used to obtain the greatest amount of power with the least amount of friction, and to secure a governing device which would be both effective and reliable, That we have succeeded is acknowledged by all who have used our mills, and we court a thorough examination by prospective purchasers.

LIST PRICE OF STEEL PUMPING MILLS AND TOWERS.

Diameter of wheels.	Weights.	Painted List Prices.	Galvanized List Prices.
8 feet	330 lbs.	\$37.50	\$42.50
9 feet	370 lbs.	40.00	47.50
10 feet	420 lbs.	45.00	52.50
12 feet	760 lbs.	82.50	90.00

Steel Power Mills.

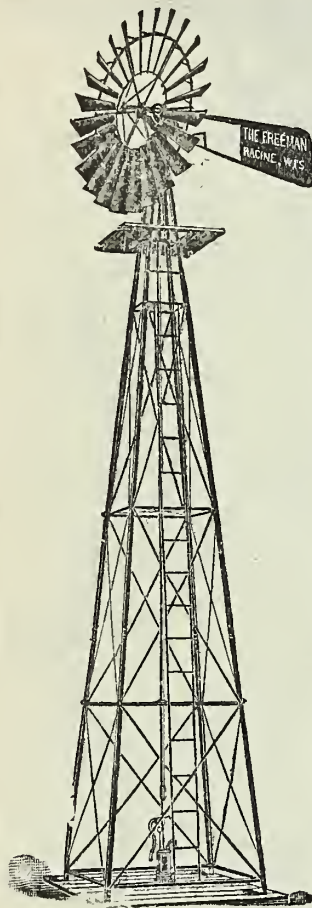
Diameter of wheels.	Weights.	Painted List Prices.	Galvanized List Prices.
12 feet	800 lbs.	\$ 87.50	\$100.00
14 feet	1150 lbs.	120.00	140.00
16 feet	1600 lbs.	200.00	225.00

Four-Post Angle Steel Towers.

Style No. 1—For 8-Foot Pumping Mills.

Height.	Weights.	Painted List Prices.	Galvanized List Prices.
10 feet	350 lbs.	\$ 25.00	\$ 28.50
30 feet	535 lbs.	36.00	42.50
40 feet	700 lbs.	47.50	58.50
50 feet	940 lbs.	60.00	78.50
60 feet	1180 lbs.	75.00	100.00
70 feet	1485 lbs.	92.50	125.00
80 feet	1800 lbs.	110.00	150.00

Send for Catalogue giving list on Heavy Towers and Discount



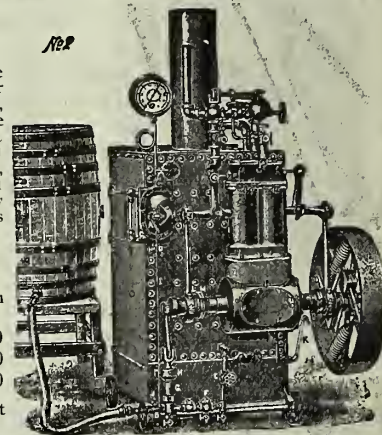
THE SAFE ENGINE AND BOILER.

This engine is especially adapted for people who are inexperienced in the use of steam-power Cranks running in water and oil with automatic water feed, and all bearings are adjusted easily. Automatic draught automatic oil, and everything as simple as skill can make it. The boilers are made from the Best Flange Steel and Extra Heavy Charcoal-Iron Lap Welded Boiler Tubes. Tested to 240 pounds pressure per square inch. There is no large body of water to deal death and destruction in case of carelessness. Hard or soft coal, or wood such as old rails, knots, limb-wood, anything that will burn and is not fit to use in the house or to sell will make all the steam wanted, practically speaking, at no cost to the farmer. The fire box takes in wood twenty inches long. One can use hard or soft coal equally as well.

SIZES AND PRICES.

	List Price.	Net Cash Price.		List Price.	Net Cash Price.
3 Horse,	\$250.00	\$200.00	6 Horse,	\$400.00	\$325.00
4 Horse,	325.00	260.00	8 Horse,	450.00	375.00
5 Horse,	330.00	270.00	10 Horse,	500.00	425.00

The above prices include Boiler and Engine delivered at freight depot at the factory. Freight charges to be paid by the purchaser.

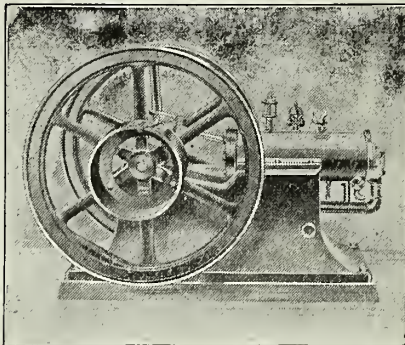


THE MONARCH GAS OR GASOLINE ENGINE.

The demand for gasolene engines has so increased that we have decided to take the agency for this make as we believe it superior to any other.

What we claim for the MONARCH is a strictly **up-to date** engine, containing all the better parts of the BEST four-cycle engine in use to-day. We claim the simplest constructed engine, with fewer parts, an engine with unending durability and noiseless, and so complete in every detail, that little or no attention is required after starting.

The MONARCH, in design, may in some instances resemble other types of engines, but when comparison is made it only requires a glance to see its superiority over other makes.



	List Prices.
1½ Actual H. P., Vertical Engine,	\$ 210.00
2½ " " " "	260.00
3 " " Horizontal Engine,	315.00
4 " " " "	420.00
6 " " " "	524.00
8 " " " "	632.00
10 " " " "	734.00
12 " " " "	836.00
15 " " " "	995.00
20 " " " "	1260.00
25 " " " "	1500.00

Write for Catalogue and Discount.

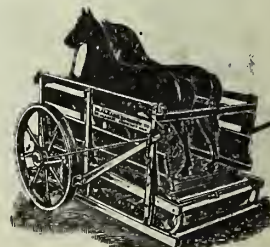
ST. ALBANS' HORSE POWERS.

We claim for this Horse Power an adaptability for farmers' use never equalled by any other power in the market. The study has been to so construct them that they should meet all their wants, and be easily adjusted to any and every use, particularly such as churning, sawing wood and cutting hay and straw for feeding cattle and horses. It has of late been fully demonstrated that the farmer makes a large saving by cutting his hay, straw, stalks or other fodder, and mixing with the same a small portion of meal; and that he also gains very largely in the better condition of his stock.

One-Horse Power, with Speed Regulator, \$70.00 Discount for Cash, \$5.00

Two-Horse Power, with Speed Regulator, 90.00 Discount for Cash, 5.00

The above prices are F.O.B. cars at factory. Rubber or leather belting at bottom prices.



Poultry Foods and Condition Powders of All Kinds.

We Handle Poultry Supplies in Large Quantities, and We Have a Large Assortment of the Reliable Brands to Choose From. * * *

PRATT'S POULTRY FOOD.



We have sold Pratt's Food for five years, and nothing has ever given the satisfaction that these goods have. It will pay a good investment to feed it regularly. No matter how many or how few hens you keep, you should feed Pratt's Poultry Food.

Send for large book on Poultry, it is FREE.

PRICES.

Poultry Food, large size, each.....	\$.60
Poultry Food, small size, each.....	.25
Poultry Food, 12 lb. bags, each.....	1.25
Poultry Food, 25 lb. bags, each.....	2.50

PRATT'S HORSE AND CATTLE FOOD.



Feeding and Watering.

No matter how good the breed, unless cows have proper food and a large quantity of fresh water, they cannot produce milk. Every dairyman should study this problem, and then raise whatever is required to produce the desired results.

The constant feeding of Pratt's Food, which is the best animal regulator known, will enable the cattle to receive full benefit from their food.

Cattle Food, 12 lb. bags, each.....	\$.75
Cattle Food, 25 lb. bags, each.....	1.50

Old Fashioned Beef Scraps. These Scraps are ground fresh for us, and do not contain any oyster shell or tankage, but are good fresh bone and meat. Per 100 lbs., \$2.25.

Cracked Bone. Fresh cracked bone, without any meat, will keep for any length of time. Should always be kept in a box where the hens can get to it. Per 100 lbs., \$2.00.

Ground Oyster Shells. We buy shells direct from Baltimore in one hundred ton lots, and handle nothing but the best grade, free from dust. Per 100 lbs.; 60 cents.

Granite Grit. This is the best Milford Grit, crushed to just the right size for poultry or pigeons. Per 100 lbs., 75 cents.

Clover Meal. This is the latest and best food for all kinds of poultry. It is clover, as near pure as it can be had, finely ground, and is mixed with other kinds of feed, and being light, it makes a very nutritious food and is also an egg producer. Per 100 lbs., \$2.00.

Cut Clover. This is same as above, only cut about one-quarter of an inch long, and is either fed dry or mixed with feed. Per 100 lbs., \$2.00.

Sheridan's Condition Powders. These goods are known in every town and need no recommendation from us. Large size, regular \$1.00 size. Our price, 80 cents; small, 20 cents.

Dole's Horse, Cattle and Poultry Food. This is one of the best foods for either of the above. Once tried, always used. Large box, \$1.00.

Meat Meal. Is finely ground meat and blood, and is preferred by many to Beef Scraps, as it may be mixed with wet feed, and prevents waste. Per 100 lbs., \$2.00.

Sea Shells. This is similar to common oyster shells, only they are very small shell and are fed whole, and as they contain a large amount of meat, are a grand egg producer. Per barrel of about 150 lbs., \$2.00.

Wooden Medicated Nest Eggs. This is a wooden egg with a hole in it and stuffed with cotton, and by dropping in a few drops of carbolic acid once in a while, they will kill and prevent lice. Each 5 cents, postpaid; dozen by express, 30 cents.

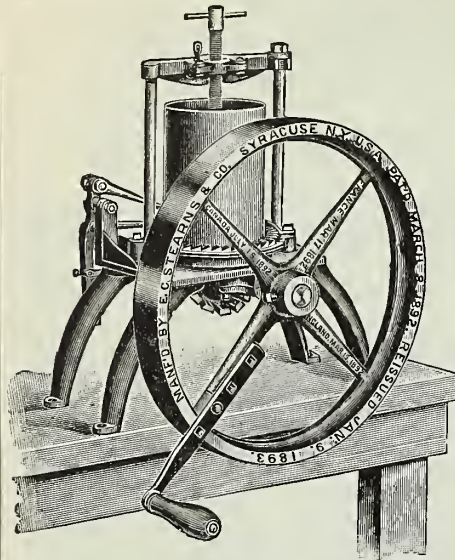
Kaffir Corn. This is probably one of the best, as well as the cheapest, foods for hens, chickens or pigeons. It is about the size of a very small pea, and is fast taking the place of other grains for poultry food; try it. Per 100 lbs., \$1.50.

Fidelity Food for Young Chicks. For many years past we have felt the need of a safe and nourishing food for chicks just out of the shell, and one that could be depended upon to carry them right along till fully matured. Fidelity Food is warmly recommended, give it a trial. 25 lbs., \$1.25; 50 lbs., \$2.00; in bbls. \$3.50 per 100 pounds.

For Incubators, Bone Mills, Poultry Eggs, and Other Requisites for This Department, See Next Pages.

WEBSTER & HANNUM GREEN BONE CUTTERS.

We can furnish any style of this make of mills at factory prices. These mills are noted for ease of operation and fine cutting. Bone cut with this mill may be fed to bantams and chickens. Circulars describing them more fully mailed on application.



The Improved No. 2 Cutter

has several improvements, including an adjustable feed, by which the operator can instantly change, without use of tools, from light to coarse work as may be required in cutting bone or vegetables.

We recommend this style for hand use where considerable work is to be done.

Weight, 56 lbs.

List price, \$18.00; net cash price, \$12.00.

Capacity of Hoppers.

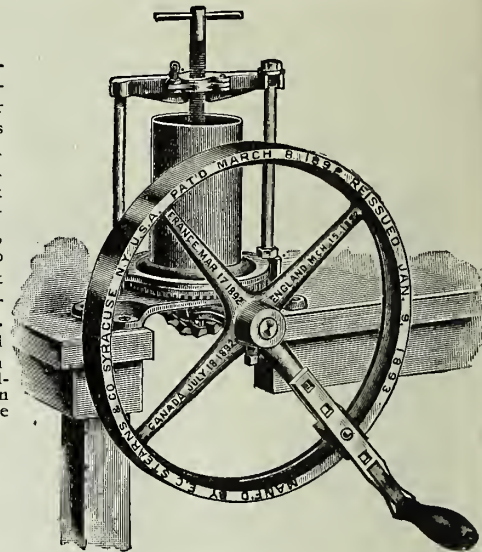
The hoppers of our cutters hold from two and one-half to ten pounds of green bone, according to size of machine.

No. 4

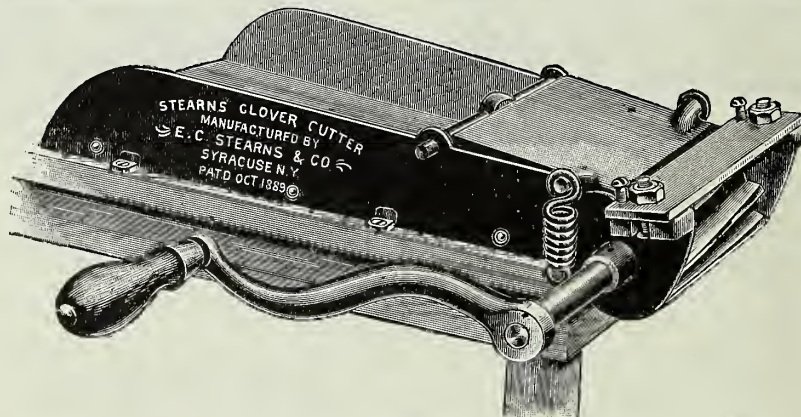
is the smallest and cheapest machine. It is furnished with crank or balance wheel; it does not rest upon a standard but is built to be screwed to a table or heavy box or block. The hopper holds 2 1/4 pounds of bone, which is enough for 50 to 75 hens for a day. It takes only a few minutes to cut a hopper full. The balance wheel makes it run much smoother, and we always recommend it in that way. The machine will pay for itself if you keep a dozen hens.

Weight, 26 pounds.

List price, Fly-wheel, \$10.50; net cash price, \$7.00. List price, Crank, \$7.50; net cash price, \$5.00.



The Stearns Clover Cutter.



This Cutter is made in convenient size for use on bench or table. The entire frame is made of malleable iron, making a very light and strong machine. It is self-feeding and self-sharpening. Cuts clover very rapidly, and is run with little effort. Eight cuts to each revolution. Finished in black enamel.

Price, \$3.00.

The Improved No. 3

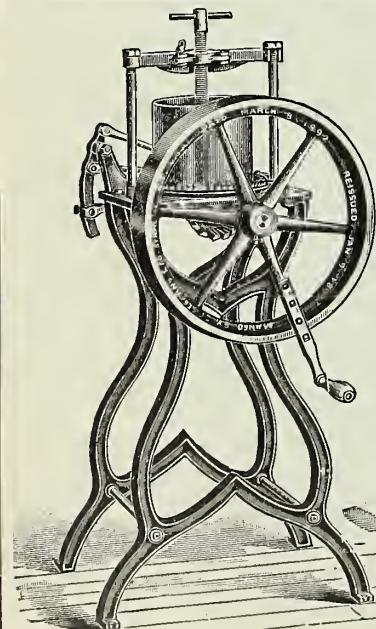
is the largest cutter and is intended to be run by power. Like the other styles it is a self-feeder. This is an improvement over other cutters, which compel the operator to stand constantly at the machine and hold on the handle to regulate the feed.

The automatic feed means a great saving of time in a power cutter, as operator is thus enabled to prepare bone for refilling the hopper while the machine is in motion.

In connection with the self-feed there is a very neat though simple arrangement by which the follower runs out of gear and stops turning just as the hopper becomes empty, so that watching the machine when running is unnecessary.

List price, \$50.00.

Net Cash Price, \$30.00.



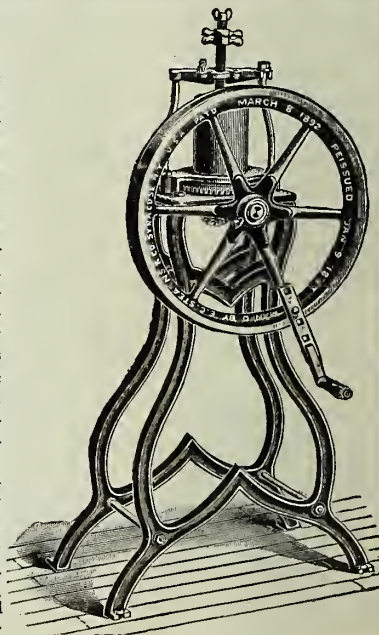
The No. 6 Cutter.

A new feature of great importance in the No. 6 is that while it feeds itself automatically and the operator can use either hand to turn the machine (a big advantage in a Bone Cutter), yet it feeds itself rapid when the machine turns easiest, but as soon as the bones get compact in the hopper, and just before the machine would turn hard, the feed stops automatically, when the pressure of the follower reaches any desired degree. So it will not turn any harder than it is set for, and feeds itself with more uniform pressure than can ever be done by hand feed. And this uniform pressure is perfectly under the control of the operator.

It is built strong and heavy and made to last, weighs 135 pounds and holds 2 1/4 pounds of bone—enough for 60 or 70 hens for one day. One pound of bone has often been cut in one minute by hand on this machine.

List price with Fly-wheel for Bench, \$18.00; net cash price, \$12.00.

List price with Fly-wheel and Legs, \$22.50; net cash price, \$15.00.



Hens Lay More Eggs

When fed on Green Cut Bone than on any other food. Egg yield is doubled, grain bill reduced one-half, eggs more fertile and more vigorous chicks are hatched. To obtain green bone fresh and sweet you need a Bone Cutter.



No. 4 B. M. Weight 100 lbs.

Remove the Iron Stand and you have a No. 4 B.

Mann's Green Bone Cutters

Are the Standard of Excellence. There is nothing better made. They are Fully Warranted.

If You Consult Your own Interests and Profit, You will Buy One.

We illustrate a few of the most popular hand machines, and can furnish you promptly with any size on the list.



No. 1 B. M. Wt. 80 lbs.

Remove the iron stand and you have a No. 1 B.

Mann's Clover Cutter

Is the most rapid cutting as well as the most satisfactory cutter ever offered to the poultryman. It prepares the clover hay in a perfect condition. No hen will ever get crop bonnd from clover or hay if cut in this machine.

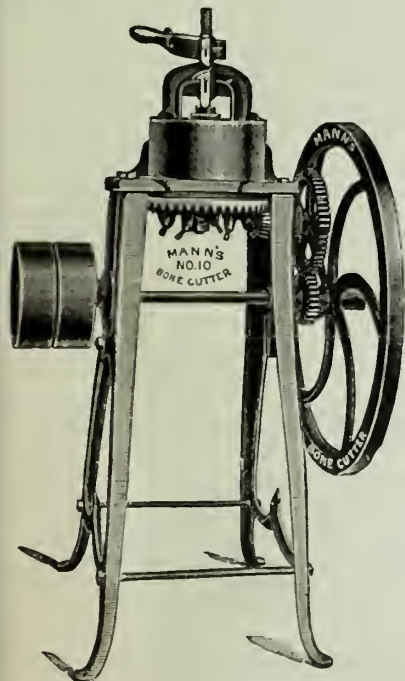
Mann's Granite Crystal Grit.

A full line of Mann's Granite Crystal Grit always on hand. A light colored, sharp grit that will last longer and go farther than any on the market. It is a great deal better than oyster shells. Hens thrive wonderfully on it.



Mann's Swinging Feed Trays

Save all waste of food. Hens can't get into it, or scratch food out of it, nor soil it with droppings. It is equally good for a drinking Tray; will not leak. It is a very ingenious feed tray, and fills a long felt want.



No. 10. Weight 175 lbs.

PRICE LIST MANN'S BONE CUTTERS.

No. 1 C.,	(with Crank Handle,)	30	\$ 7.50
No. 1 B.,	(with Balance Wheel,)	55	10.—
No. 1 B. M.,	(with Balance Wheel, mounted on Iron Stand,)	80	13.—
No. 4 B.,	(with Balance Wheel,)	75	17.50
No. 4 B. M.,	(with Balance Wheel, mounted on Iron Stand,)	100	21.25
No. 6,	(Post Bone Cutter,)	100	20.—
No. 2,	(Standard Bone Cutter,)	140	23.—
No. 8,	(Double Hand Cutter,)	180	28.—
No. 10,	(Small Power Cutter,)	175	32.50
No. 14,	(Large Power Cutter,)	425	96.—
No. 15,	(Made to Order,)	720	280.—
Clover Cutter,	(with Balance Wheel,)	-	10.—
Clover Cutter,	(with Balance Wheel, mounted on Iron Stand,)	-	12.50
Mortar,	(Perforated, Corrugated, Cast Iron,)	40	3.75
SWINGING FEED TRAY,	(18 inches long,)	-	1.25
SWINGING FEED TRAY,	(27 " ")	-	1.56
SWINGING FEED TRAY,	(36 " ")	-	1.85
GRANITE CRYSTAL GRIT,	(100 lbs.,)	-	1.00

DISCOUNT FOR CASH. 20 PER CENT.

The Cyphers Non-Moisture Incubators and Three-Apartment Brooders.

The · Cyphers · Incubators,

for which we are authorized agents, are FULLY GUARANTEED by the manufacturers as follows:—

- First.**—To require no supplied moisture.
Second.—To be self-ventilating.
Third.—To be self-regulating.
Fourth.—To operate with less oil and at less expense than any other make of incubator.
Fifth.—To be fire-proof, having the best, the safest, and the most costly built heater attached to any incubator.
Sixth.—To be the easiest to operate and control, requiring less labor and attention than any other make of incubator.
Seventh.—To produce larger and stronger chicks than any other make of incubator on the market.
Eighth.—Also, that where it is run with any incubator of a different make, it shall, in three or more batches bring out a larger percentage of the fertile eggs in good healthy chicks or ducklings than does its competitor.

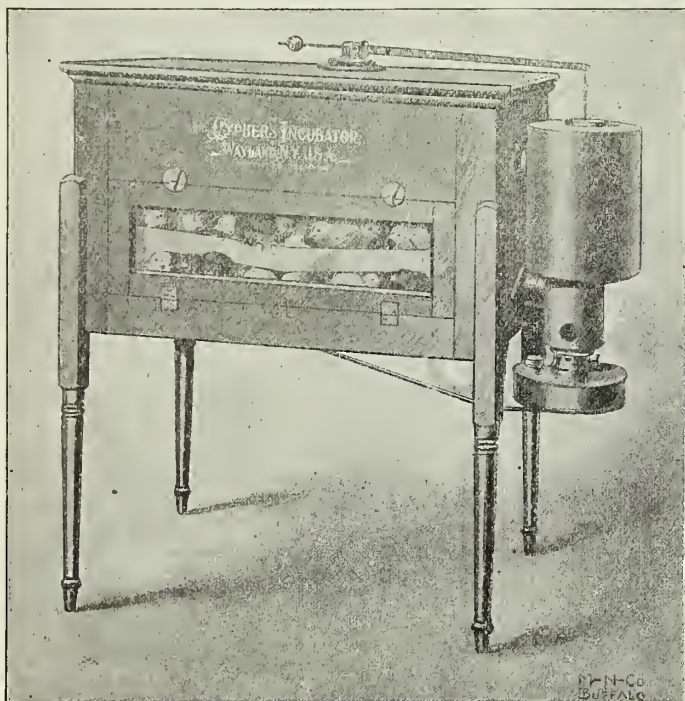
If you are in search of the latest patented most durably built and best practical incubator, one that will hatch the largest number of the strongest and healthiest chicks or ducklings, the Cyphers is that machine.

WHO INVENTED THEM ?

The now famous Cyphers Incubators, patented in 1894, first placed on the market during the season of 1896-'97, and now extensively used on the largest poultry plants in America, were invented by Charles A. Cyphers, also inventor of the Mammoth 20,000-Egg Cyphers Incubator located on the duck farm of William Truslow, at Stroudsburg, Pa. Mr. Cyphers has devoted the best years of his life to the study of artificial incubating and brooding, the results being a book on the subject entitled, "Incubation and Its Natural Laws," (conceded to be the best scientific and practical treatise given to the public on this subject to date), the construction of the Mammoth 20,000-Egg Cyphers Incubator at Stroudsburg and the invention of the 60-Egg, 120-Egg, 220-Egg and 360-Egg Cyphers Incubators and the Three-Apartment Cyphers Brooders.

THE "DIFFUSIVE PRINCIPLE."

Mr. Cyphers is the discoverer and patentee of the "Diffusive Principle" in artificial incubation, a highly important matter, for it was through this discovery that he was enabled to render his greatest service to artificial incubation by solving the "moisture problem." Untold thousands of chicks were being reported "dead in the shell;" and the moisture question was the rock on which the hopes of hundreds, yes, thousands of poultry raisers were being wrecked. The Cyphers Incubator solved this problem by introducing the diffusive principle and self-ventilating system which does away absolutely with supplied moisture, retaining in the machine the moisture contained in the eggs, which is ample for all purposes.



The Cyphers Non-Moisture, Self-Ventilating, Self-Regulating Incubator, 220-Egg Size.



PRICE LIST

OF CYPHERS INCUBATORS.

No. 0, 60-Hen Eggs, 48 Duck Eggs,	\$14.00
No. 1, 120-Hen Eggs, 100 Duck Eggs,	20.00
No. 2, 220-Hen Eggs, 190 Duck Eggs,	29.00
No. 3, 360-Hen Eggs, 290 Duck Eggs,	37.00
No. 2, Double Decker, 440 Egg,	58.00
No. 3, Double Decker, 720 Egg,	74.00

The Result is an Incubator that is

Positively Self-Regulating, Self-Ventilating

and which Requires No Supplied Moisture.

Here we have, therefore, the simplest possible incubator, one that is practically perfect in its ease of operation, as all that is required of the attendant is the filling of the lamp and turning of the eggs. Today the Cyphers Incubator, a practical embodiment of the Cyphers method, stands without an equal. Used by the largest and most successful poultry plants in this country, by a majority of the best known fanciers and by upwards of 10,500 small poultry raisers, it is pronounced by them all to be without a rival.

SEE LARGE 224 PAGE CATALOGUE.

The Unequalled Cyphers Three-Apartment Brooder.

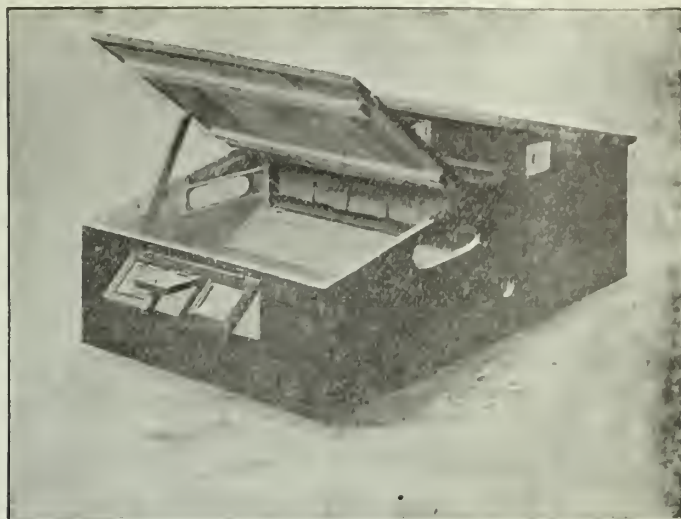


NEXT to its incubator, The Cyphers Company especially prides itself on the three-apartment Outdoor Brooder it manufactures. They unhesitatingly guarantee this to be the best brooding device on the market, for either indoor or outdoor use, regardless of price, and it will be noted that all of the Cyphers Brooders (the Company manufactures one grade only, but four sizes) are sold at reasonable figures.

Special Advantages in Buying of us:

First, we sell to you at factory prices. Second, we save you valuable time by carrying a large line of Cyphers Incubators and Brooders in stock, thus securing you Quick Delivery, the saving in time amounting to perhaps three or four weeks. Third, we save you freight from the factory to Worcester, Mass. This is highly important. The Cyphers goods are constantly on display at our place of business, and we invite a personal call, if convenient. All told, it is plainly to YOUR ADVANTAGE to place your order with us. We guarantee fair treatment and prompt service in all particulars.

Circulars and Catalogues: Large 32-page Cyphers circulars sent FREE on request. Complete new Cyphers Catalogue and Poultryman's Guide for 1901, entitled "Profitable Poultry Keeping in all its Branches," 224 pages, 8 x 11 inches in size, with nearly 200 fine illustrations, treating at length of egg-farming, broiler raising, duck growing, roaster or winter chicken production, capons and caponizing, breeding standard poultry, etc., also illustrating and describing over sixty of America's largest, best known and most successful poultry plants, will be sent postpaid for 10 cents in stamps—which exactly covers postage. **THE BOOK IS FREE.** It weighs over one and one-quarter pounds and is easily worth two or three dollars to persons interested in making poultry pay.



The Cyphers Unequalled Three-Apartment Brooder (front view).

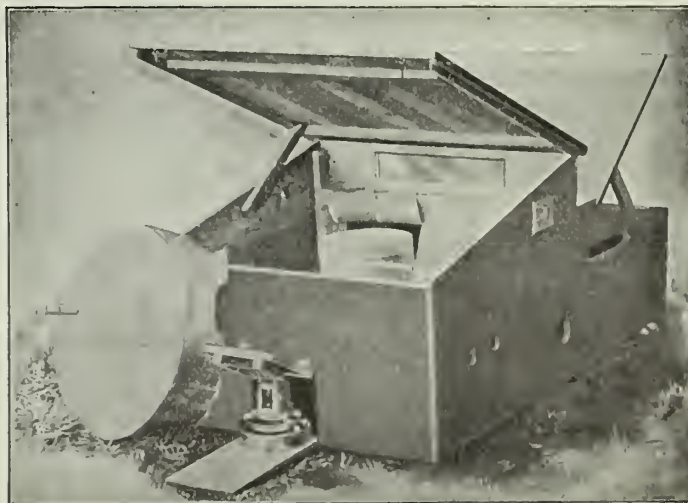
Price List of Cyphers Indoor and Outdoor Brooders.

Style O—Indoor,	\$ 8.00
“ O—Outdoor,	9.00
“ B—Indoor,	10.00
“ A—Outdoor, (see illustrations)	12.00

Price List of Cyphers Sectional Brooders.

Two Section, All Complete,	\$18.00
Three “ “ “	23.00
Four “ “ “	28.00

Each Section will Care for 100 Chicks.

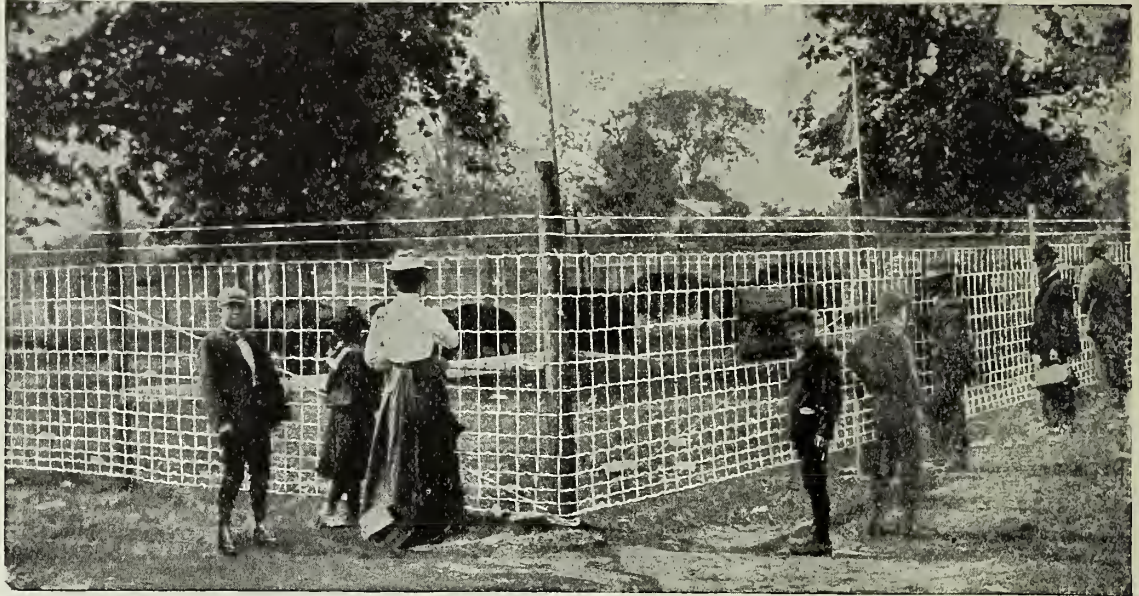


The Cyphers Unequalled Three-Apartment Brooder (rear view).

American Field and Hog Fences. MADE OF GALVANIZED WOVEN STEEL WIRE.

The strength and durability of the AMERICAN FENCES, together with their low cost, combine to give them a wonderful popularity.

Construction.— The main structural features are: Large and strong wires throughout; top and bottom bars No. 9 galvanized wire; intermediate bars No. 11 galvanized wire; stays No. 12 galvanized wire; stays 12 or 6 inches apart, as desired; Hinge Joints at every intersection of stay and bar; Tension Curve at every intersection of stay and bar and at proper intervals between stays.



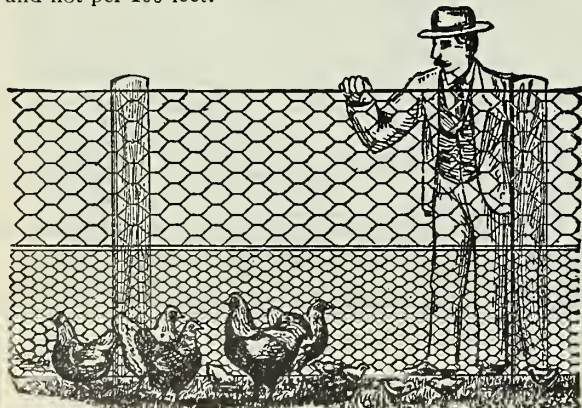
AMERICAN FIELD AND HOG FENCING.

It is the Strongest Fence Made because of the good quality, and amount of material properly distributed throughout its entire construction. No. 9, No. 11, No. 12 wire as used in the AMERICAN FENCE are sufficiently heavy and strong to meet all requirements, and with them the AMERICAN FENCE is practically everlasting, with reserve strength enough to meet every possible contingency or special use to which this fence may be subjected.

Regular Style, 12-Inch Stay.			Special Hog, Cattle, Horse Fence, 12-Inch Stay.			Special Sheep and Horse Fence, 12-Inch Stay.		
Style No.	Height.	Price per rod.	Style No.	Height.	Price per rod.	Style No.	Height.	Price per rod.
12	58 inches	.92	11	55 inches	.84	6	35 inches	.50
11	49 "	.82	10	47 "	.74			
10	41 "	.74	9	39 "	.66			
9	34 "	.66	8	32 "	.58			
8	28 "	.58	7	26 "	.50			
7	22½ "	.50	6	20 "	.38			
Regular Style, 6-Inch Stay.			Special Hog, Cattle, Horse Fence, 6-Inch Stay.			Special Sheep and Horse Fence, 6-Inch Stay.		
12	58 inches	\$1.16	11	55 inches	\$1.10	6	35 inches	\$.66
11	49 "	1.04	10	47 "	.98			
10	41 "	.90	9	39 "	.84			
9	34 "	.82	8	32 "	.74			
8	28 "	.72	7	26 "	.62			
7	22½ "	.62	6	20 "	.54			
Special Farm Fence, 12-Inch Stay.			Special Farm Fence, 6-Inch Stay.					
9	49 inches	\$.70				9	49 inches	\$.92
8	45 "	.62				8	45 "	.78

Galvanized Special Twist Poultry Netting.

A Very Popular Fence for poultry yards, or for any purpose, where a heavy stock fence is not required. This fence is woven and afterwards galvanized, which makes it very durable. We can furnish it in all widths, from one to six feet, and in one and two-inch mesh. We handle this in very large quantities, and are, therefore, in position to make very low prices, as you will see below. Parties wanting five or more rolls will do well to write us for special prices. **Please take notice** that the prices quoted are for rolls of 150 feet in length and not per 100 feet.

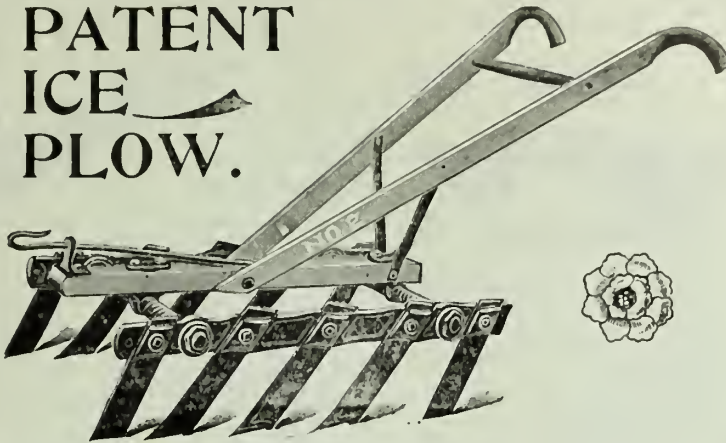


Price Per Roll of 150 Running Feet.

1 ft. No. 19 Wire, 2 in. Mesh, \$	1 ft. No. 20 Wire, 2 in. Mesh, \$
1½ " " " " 1.15	1½ " " " " 1.05
2 " " " " 1.50	2 " " " " 1.40
2½ " " " " 1.90	2½ " " " " 1.75
3 " " " " 2.25	3 " " " " 2.10
4 " " " " 3.00	4 " " " " 2.80
5 " " " " 3.75	5 " " " " 3.50
6 " " " " 4.50	6 " " " " 4.20
1 " " " 1 in. 2.00	1 " " " 1 in. 1.65
1½ " " " " 3.00	1½ " " " " 2.50
2 " " " " 4.00	2 " " " " 3.30
2½ " " " " 5.00	2½ " " " " 4.15
3 " " " " 6.00	3 " " " " 5.00
4 " " " " 8.00	4 " " " " 6.60
5 " " " " 10.00	5 " " " " 8.25
6 " " " " 12.00	6 " " " " 10.00

We do not have 4, 5 and 6 feet 1 inch, 19 and 20-inch in stock.

THE BUCKLEY PATENT ICE PLOW.



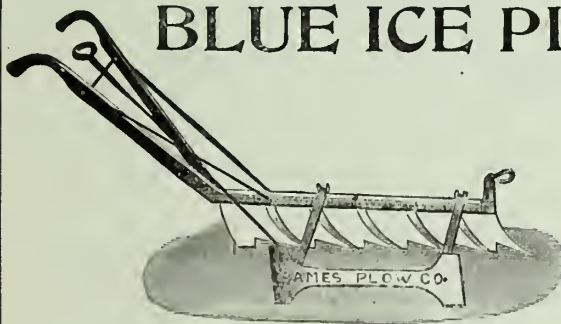
This plow is designed for farmers and small ice dealers. It is a perfect plow in every way and just as good, for a farmer, as one that costs \$50.00. Cuts two grooves at a time and cuts any size of cake.

The No. 1 has 4 cutting teeth and cuts 5-8 of an inch on each side at one time. Will cut 6 3-4 of an inch deep; size of cake 16 to 22 inches; capacity, 30 to 50 tons per hour.

The No. 2 is made heavier than No. 1 and is the size mostly used; has six cutting teeth and cuts 7-8 of an inch on each side at one time. Will cut 7 inches deep; size of cake, 16 to 22 inches; capacity from 40 to 70 tons an hour. We also have the No. 2 to cut 16 to 24 inches and 18 to 30 inches.

	Will Cut	List.	Retail.
Price, No. 1.	(16 to 22),	\$16.00	\$16.00
" 2.	(16 to 22),	20.00	20.00
" 2.	(16 to 24),	22.00	21.00
" 2.	(18 to 30),	23.00	22.00

RED, WHITE AND BLUE ICE PLOW.



PRICE,
\$25.00

This plow is put on the market to meet the demands of icemen for a first-class implement at a low price. It has the Patent Clearing Tooth and Swing Guide. The material used is the finest and the finish is very attractive. Will cut 1 3-4 to 2 inches at a time to a total depth of 7 inches.

WE HANDLE A COMPLETE LINE OF ICE TOOLS

DEALERS AND ICEMEN WRITE FOR

DISCOUNT.

- No. 44. Calking Bar, - - \$2.50
- No. 43. Splitting Fork, - \$4.25
- No. 47. Socket Packing Chisel, \$3.25

- No. 135. Ice Breaker, Price, \$3.50
- No. 45. Starting Chisel, Price, \$3.25
- No. 41. House Bar, Price, \$2.50

No. 16 ICE HOOKS.

	List.	Each.
3 ft.,	\$ 9.00	\$.75
3 1/2 "	9.00	.75
4 "	9.25	.80
4 1/2 "	9.25	.80
5 "	9.50	.90
6 "	10.00	.95
8 "	11.75	1.05
10 "	12.50	1.15
12 "	14.00	1.25
15 "	15.50	1.35
18 "	17.00	1.50

- No. 42. Fork Bar, Four Prong, Price, \$4.25
- No. 16.

- No. 33. Hoisting Tongs with Claw Points, Price, \$4.50
- No. 30. Swell Pattern Steel Tongs, List. Retail. 15 in., \$12.75 \$.90 18 " 14.50 1.00 21 " 15.50 1.10 24 " 17.00 1.15 27 " 18.00 1.20

- No. 9. Ice Auger, 1 1/2 in., \$3.00
- No. 72. Iron Run, (Drilled.) Per Foot, 7 cents.
- No. 8. Line Marker, - 90c.

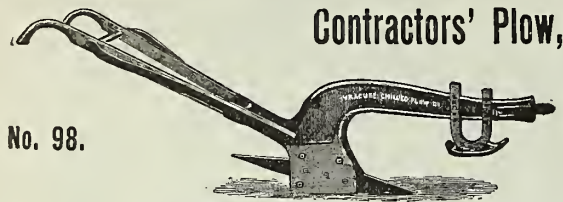
- No. 46. Bar or Packing Chisel, Price, \$3.25
- No. 15. Ice Saw, 4 ft. \$3.00, 4 1/2 " 3.25, 5 " 3.50
- No. 39. Breaking Bar, Price, \$3.25

- No. 50. Splitting Chisel, Price, \$2.25
- No. 136. Ice Shaver, Price, \$2.25
- No. 51. Ring Handle Splitting Chisel, Price, \$2.50

- No. 115. Boston Ice Axe, 30-Inch Handle, Price, - - \$1.75

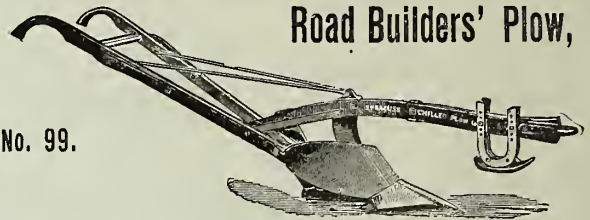
Contractors' Supplies. *

Road and Pavement
Plows,
Picks, Shovels,
Dump Barrows, etc.



No. 98.

Adjustable and Double reversible Bar Steel Point. Adjustable Shoe in place of wheel; Loop Handle Wear Irons; strongly built throughout. Especially adapted for tearing up Cobblestone or MacAdam Pavements. Strong enough to work behind a steam roller. Four or six horses. Weight, 256 lbs. List, as shown in cut, \$25.00; discount for cash, 20 per cent.



No. 99.

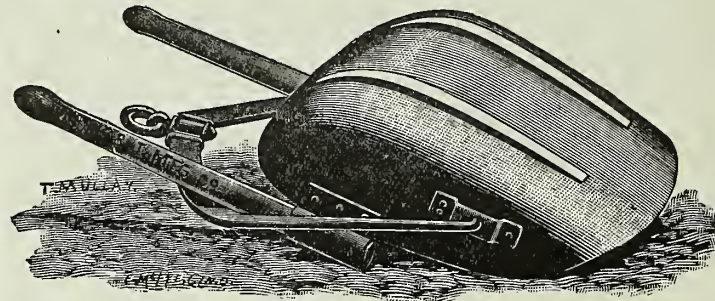
Steel Truss Beam; Steel Moldboard and Landside; Separate Shin Piece; Heavy Overlaid Wrought Steel Point; Adjustable Shoe in place of Wheel; Loop Handle Wear Irons; very strongly built; slight turning capacity. Suitable for severe grading purposes in shale or hard pan. Four to eight horses. Weight, with Shoe, 265 lbs. List, as shown in cut, \$33.00; dis. for cash, 20 per cent.

Ames Shovels.



We handle Ames make of Shovels exclusively, as we have found after several year's experience that they will out-wear any other make and are well worth the difference in price. The following are all polished steel: Ames' Best, each, \$1.20; Our Best, \$1.00; Sunnyside, 90c.; Champion, 75c. Can furnish either long or D handle, square or round point. Special price in doz. lots.

BOSS STEEL SCRAPERS



These scrapers are made from heavy plates of specially hardened steel and are stamped from one sheet without joint, seam or rivet. They are superior to any other drag scraper made.

Owing to the sharp, rounded nose, it will enter the ground readily. The bails are steel with perfect swivels and hardwood handles.

Four sizes.

	NET PRICE.
No. 0, carries 10 feet of earth.	\$9.00
No. 1, carries 7 feet of earth.	7.00
No. 2, carries 5 feet of earth.	6.50
No. 3, carries 3 feet of earth.	6.00

Plumb's Picks.

There is no better line of picks and mattocks made than the above. We warrant every one we sell and never had a poor one brought back.

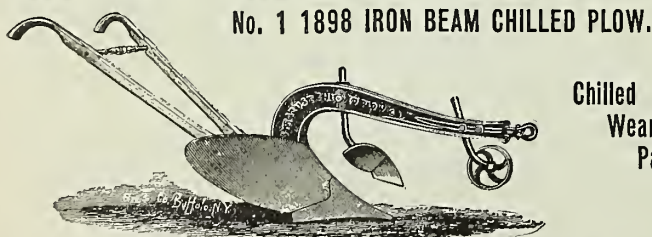
PRICES:

Contractors,	
7 lbs. each, \$.90
8 lbs. each,	1.00
Railroad.	
5 to 6 lb.,	.75
6 to 7 lb.,	.80

Special price in dozen lots.

Pick Handles—Hickory.

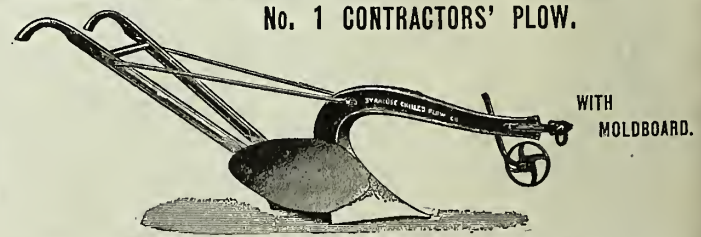
No. X, each,	25c.
No. 1, each,	20c.
No. 2, each,	15c.



No. 1 1898 IRON BEAM CHILLED PLOW.

Chilled
Wearing
Parts.

Unequaled for hard and stony ground. Will stay in the ground where all others fail. Excellent for plowing ditches; large two horse. List as shown in cut, \$13.00; discount for cash, \$1.00.



No. 1 CONTRACTORS' PLOW.

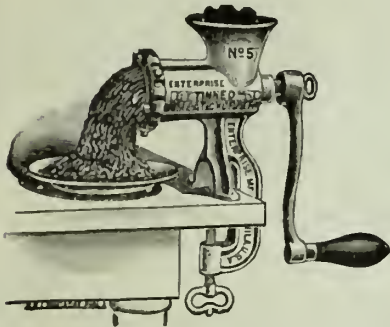
WITH
MOLDBOARD.

Hard iron wearing parts; heavy beam, point and strip; steel wheel standard. Will turn a furrow 5 to 9 in. deep, and 12 to 15 in. wide. An excellent plow for general grading purposes. Two or four horse. Weight with wheel, 172 lbs. List as shown in cut, \$14.00; discount for cash, \$1.00.

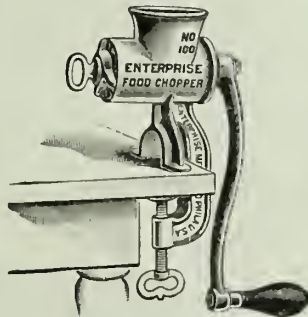
"Enterprise" Patented Specialties

MEAT AND FOOD CHOPPERS

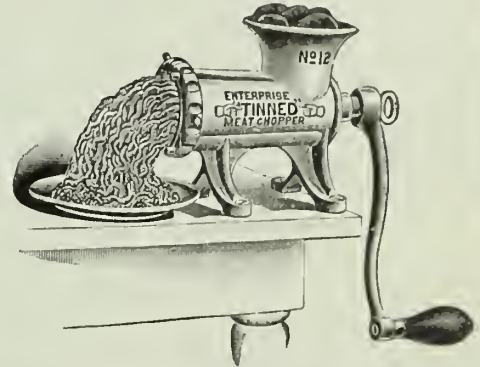
TINNED



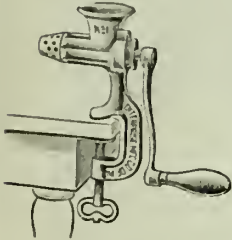
No. 5, - - \$2.00
 No. 10, - - \$3.00
 No. 20, - - \$5.00



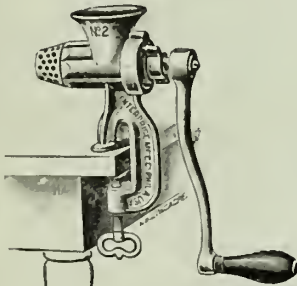
No. 100, - - \$1.50



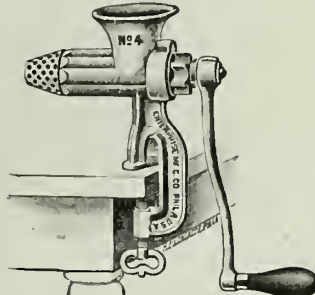
No. 12, - - - \$2.50
 No. 22, - - - \$4.00
 No. 32, - - - \$6.00



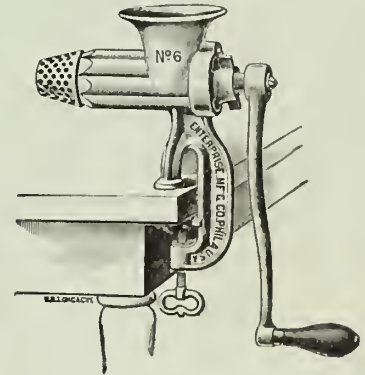
No. 1, - \$1.25



No. 2, - - \$1.50



No. 4, - - \$2.00



No. 6, - - - \$2.75

Raisin Seeders

Rapid Grinding and Pulverizing Mills



No. 36, - - \$0.85
 No. 38, - - \$2.50



No. 0, - - \$1.50
 No. 1, - - \$2.25



No. 2 1/2, \$4.50
 No. 4, \$8.00

Cold Handle Sad Irons



No. E 50 Nickered, Per Set \$1.20
 No. E 55 Plain Polished, \$1.15
 Price subject to change

The Only Mills That Absolutely Pulverize

We can supply any of the above articles at Factory prices

WEIGHTS OF GRASS AND FIELD SEEDS AND QUANTITIES SOWN PER ACRE.

	Weights.	Quantity Sown Per Acre.		Weights.	Quantity Sown Per Acre.
Timothy.....	per bush. 45 lbs.	1-2 bush.	Sweet Vernal.....	per bush. 11 lbs.	3 bush.
Clover, Red.....	60 lbs.	15 to 20 lbs.	Sheep Fescue.....	12 lbs.	2 bush.
Clover, White.....	60 lbs.	10 to 15 lbs.	Tall Fescue.....	15 lbs.	2 1-2 to 3 bush.
Clover, Alsike.....	60 lbs.	8 to 10 lbs.	Tall Oat Grass.....	12 lbs.	4 bush.
Clover, Alfalfa.....	60 lbs.	15 to 20 lbs.	Wood Meadow.....	14 lbs.	2 bush.
Red Top.....	per sack 50 lbs.	2 1-2 to 3 bush.	Yellow Oat Grass.....	8 lbs.	4 bush.
Red Top.....	per bush. 10 lbs.	2 1-2 to 3 bush.	Buckwheat.....	48 lbs.	1-2 to 1 bush.
Red Top, Fancy.....		10 to 15 lbs.	Barley.....	48 lbs.	2 to 3 bush.
Bent, R. I.....	per bush. 10 lbs.	3 bush.	Oats.....	32 lbs.	2 to 3 bush.
Bent, Fancy.....		10 to 25 lbs.	Rye.....	56 lbs.	1 1-2 bush.
Blue Grass.....	per bush. 14 lbs.	2 to 3 bush.	Wheat.....	60 lbs.	1 1-2 bush.
Fowl Meadow.....	11 lbs.	1 to 2 bush.	Flax.....	56 lbs.	1 to 2 bush.
Hungarian.....	48 lbs.	1-2 to 1 bush.	Canary.....	60 lbs.	
Lawn Seed.....	16 lbs.	3 to 4 bush.	Hemp.....	40 lbs.	
Millet, American.....	50 lbs.	1-2 to 1 bush.	Rape.....	50 lbs.	
Millet, German.....	50 lbs.	1-2 to 1 bush.	Beans, White.....	60 lbs.	1 to 1 1-2 bush.
Millet, Golden.....	50 lbs.	1-2 to 1 bush.	Beans, Red Kidney.....	58 lbs.	1 to 1 1-2 bush.
Orchard Grass.....	14 lbs.	2 to 3 bush.	Beans, Fancy Seed, measured bush.....		1 to 1 1-2 bush.
Crested Dog's Tail.....	28 lbs.	1 bush.	Corn, Sweet, measured bush.....		8 to 10 quarts.
Hard Fescue.....	14 lbs.	2 bush.	Corn, Ensilage, measured bush.....		3 bush.
Italian Rye Grass.....	18 lbs.	3 bush.	Corn, Field.....	per bush. 56 lbs.	8 to 12 quarts.
Meadow Fescue.....	15 lbs.	2 1-2 to 3 bush.	Peas, Canada Field.....	60 lbs.	1 1-2 to 3 bush.
Meadow Foxtail.....	8 lbs.	3 bush.	Peas, Green Field.....	60 lbs.	1 1-2 to 3 bush.
Perennial Rye Grass.....	24 lbs.	2 bush.	Peas, Fancy Seed, measured bush.....		1 1-2 to 3 bush.
Rough Stalked Meadow.....	14 lbs.	2 bush.			

QUANTITY OF SEED REQUIRED TO SOW AN ACRE OF GROUND.

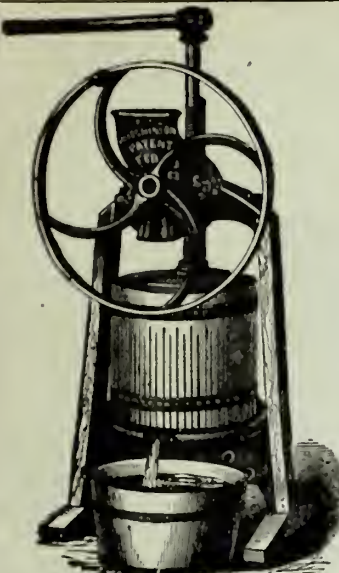
	Quantity Per Acre.		Quantity Per Acre.
Artichoke, 1 oz. to 500 plants.....	1-2 lb.	Martynia, 1 oz. to 50 feet of drill.....	10 lbs.
Asparagus, 1 oz. to 200 plants.....	5 lbs.	Melon, Musk, 1 oz. to 100 hills.....	1 3-4 lbs.
Beans, dwarf, 1 quart to 150 feet of drill.....	1 1-4 bush.	Melon, Water, 1 oz. to 25 hills.....	1 1-2 lbs.
Beans, Pole, 2 quarts to 200 hills.....	1-2 bush.	Nasturtium, 1 oz. to 50 feet of drill.....	10 lbs.
Beet, Garden, 1 oz. to 100 feet of drill.....	10 lbs.	Okra, 1 oz. to 50 feet of drill.....	10 lbs.
Beet, Mangel, 1 oz. to 150 feet of drill.....	6 lbs.	Onion Seed, 1 oz. to 200 feet of drill.....	4 to 5 lbs.
Broccoli, 1 oz. to 3,000 plants.....	5 oz.	Onion Seed for Sets.....	30 to 50 lbs.
Broom Corn.....	10 lbs.	Onion Sets, 1 qt. to 20 feet of drill.....	8 bush.
Brussels Sprouts, 1 oz. to 3,000 plants.....	5 oz.	Parsnip, 1 oz. to 250 feet of drill.....	5 lbs.
Cabbage, 1 oz. to 3,000 plants.....	5 oz.	Parsley, 1 oz. to 250 feet of drill.....	8 lbs.
Carrot, 1 oz. to 150 feet of drill.....	2 -2 lbs.	Peas, Garden, 1 qt. to 150 feet of drill.....	1 1-2 bush.
Cauliflower, 1 oz. to 3,000 plants.....	5 oz.	Pepper, 1 oz. to 1,500 plants.....	4 oz.
Celery, 1 oz. to 10,000 plants.....	5 oz.	Potatoes.....	8 bush.
Collards, 1 oz. to 2,500 plants.....	6 oz.	Pumpkins, 1 quart to 300 hills.....	4 qts.
Corn, sweet, 1 quart to 500 hills.....	8 qts.	Radish, 1 oz. to 150 feet of drill.....	8 lbs.
Cress, 1 oz. to 150 feet of drill.....	8 lbs.	Rye.....	1 1-2 bush.
Cucumber, 1 oz. to 80 hills.....	1 1-4 1' s.	Salsify, 1 oz. to 60 feet of drill.....	8 lbs.
Egg Plant, 1 oz. to 2,000 plants.....	8 oz.	Spinach, 1 oz. to 150 feet of drill.....	10 lbs.
Endive, 1 oz. to 300 feet of drill.....	3 lbs.	Summer Savory, 1 oz. to 500 feet of drill.....	2 lbs.
Flax, broadcast.....	1-2 bush.	Squash, Summer, 1 oz. to 40 hills.....	2 lbs.
Kale, 1 oz. to 3,000 plants.....	4 oz.	Squash, Winter, 1 oz. to 10 hills.....	3 lbs.
Kohl-Rabi, 1 oz. to 200 feet of drill.....	1 1-2 lbs.	Tomato, 1 oz. to 3,000 plants.....	3 oz.
Leek, 1 oz. to 250 feet of drill.....	4 lbs.	Tobacco, 1 oz. to 5,000 plants.....	2 oz.
Lettuce, 1 oz. to 250 feet of drill.....	3 lbs.	Turnip, 1 oz. to 250 feet of drill.....	1 1-2 lbs.

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE.

Distance.	Number.	Distance.	Number.
1 foot by 1 foot.....	43,560	6 feet by 6 feet.....	1,210
1 1-2 " " 1 1-2 " ".....	19,360	8 " " 8 " ".....	680
2 " " 1 " ".....	21,780	10 " " 10 " ".....	434
2 " " 2 " ".....	10,890	12 " " 12 " ".....	302
2 1-2 " " 2 1 2 " ".....	6,970	15 " " 15 " ".....	194
3 " " 1 " ".....	14,520	18 " " 18 " ".....	134
3 " " 2 " ".....	7,260	20 " " 20 " ".....	103
3 " " 3 " ".....	4,840	25 " " 25 " ".....	70
4 " " 4 " ".....	2,722	30 " " 30 " ".....	40
5 " " 5 " ".....	1,742	40 " " 40 " ".....	27

WEIGHT OF VARIOUS ARTICLES.

Apples.....	Per bush. 48 lbs.	Sweet Potatoes.....	Per bush. 56 lbs.
Apples, dried.....	22 "	Turnips.....	58 "
Barley.....	48 "	Beef and Pork per bbl., net.....	200 "
Broom Corn.....	46 "	Flour, per bbl., net.....	196 "
Bran.....	20 "	White Fish and Trout, per bbl., net.....	200 "
Corn on Ear.....	70 "	Salt, per bbl.....	280 "
Corn Meal.....	50 "	Lime, per bbl.....	220 "
Charcoal.....	22 "	Hay, well settled, per cubic foot.....	4 1/2 "
Coal, Mineral.....	80 "	Corn, on cob, in bin.....	22 "
Cranberries.....	40 "	Corn, shelled, ".....	45 "
Dried Peaches.....	28 "	Wheat, ".....	48 "
Irish Potatoes, heaping measure.....	60 "	Oats, ".....	25 1/2 "
Malt.....	38 "	Potatoes, ".....	38 1/2 "
Osage Orange.....	33 "	Sand, Dry.....	95 "
Onions.....	54 "	Clay, Compact, ".....	135 "
Plastering Hair.....	8 "	Marble, ".....	169 "
Salt, Coarse.....	50 "	Seasoned Beech Wood, per cord.....	5,616 "
Salt, Michigan.....	56 "	Seasoned Hickory, ".....	6,960 "



THE HUTCHINSON FAMILY CIDER AND WINE MILL.

For those who only make limited quantities of cider or wine, this old favorite machine is unexcelled. It will grind from eight to ten bushels of apples, and from ten to twelve bushels of grapes, currants, etc., per hour. The curb (or press) will contain the pomace of one bushel or more of apples. One man can make with it from two to three barrels of cider, or from one hundred to one hundred and fifty gallons of wine per day, while it is always ready to make a pitcher or bucket of cider in a few minutes.

No. 0. List, \$10.00; Net, \$ 9.00
 No. 1. List, 12.00; Net, 10.00

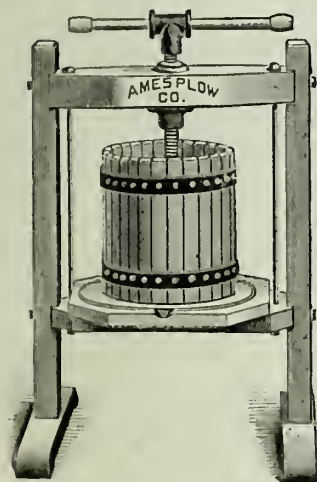
NATIONAL CIDER MILL. FAMILY SIZE.

This mill is especially adapted for family use, being light, strong and convenient. It is exactly the same in principle as the farmers' mill shown below, only of smaller size and sold at a less price. This mill will pay for itself in one season by gathering the windfalls and making them into cider for vinegar and for the market; this is just the size for that purpose.

List Price. Net Price.
 One Curb, \$16.00 \$14.00
 Two Curbs, 20.00 17.00
 Grinding Apparatus Mounted on Frame,
 List, \$13.50 Net, \$12.00



WINE AND LARD PRESSES.

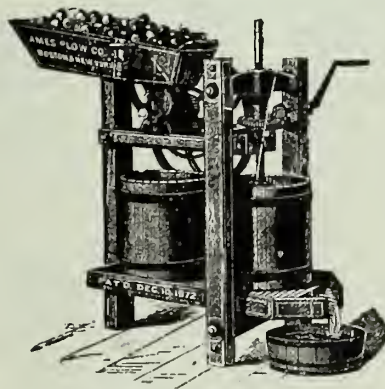


Numbers 1, 2 and 3 are light and portable, yet strong and well adapted for general use. Numbers 4 and 5 are heavy and strong, and finished with geared screw.

No. 1, \$5.75 No. 3, \$11.00 No. 4, Geared, \$30.00
 No. 2, 7.50 No. 4, 25.00 No. 5, Geared, 40.00

DISCOUNT, 20 PER CENT.

NATIONAL CIDER MILL. FARMERS' SIZE.

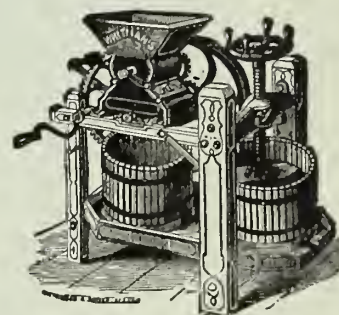


This mill is constructed upon new principles, avoiding the defects in all other mills. The grinding arrangement works in such a manner that the cells of the fruit are all broken and fine pomace produced; a larger per centage of juice is obtained making more cider from a given quantity of apples than can be made by other mills.

Capacity is six to eight barrels per day.

List Price, \$35.00; Net Price, \$23.00

New Monitor Cider Mill.



SENIOR SIZE—Tubs, 17x16 inches; post, 3 feet 10 inches; weight, 400 lbs.

List Price, \$24.00; Net Price, \$22.00

MEDIUM SIZE—Tubs, 13x13 inches; post, 3 feet 4 inches; weight, 230 lbs.

List Price, \$20.00; Net Price, \$18.00

JUNIOR SIZE—Tubs, 11x11 inches; post, 2 feet 11 inches; weight, 165 lbs.

List Price, \$16.00; Net Price, \$15.00

ECONOMY BOILERS.



No farmer can afford to be without a farm boiler or large kettle of some kind. The Economy, shown in cut, is the cheapest of any on the market. We have a full line of the Economy Manufacturing Co.'s goods, and are New England Agents. Circulars describing all fully will be mailed on application.

PRICES.

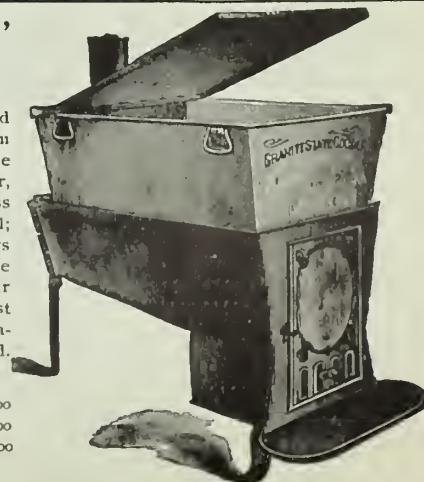
40 gal. \$13.50, disc. for cash, \$2.50
 60 gal. 16.00, disc. for cash, 3.00
 70 gal. 18.00, disc. for cash, 4.00

"Granite State" Water Heater.

Takes the place of the old fashioned and cumbersome farm boiler or cast iron caldron. The "Granite State" is cheaper, heats quicker, and requires less fuel. Boiler of galvanized steel; furnace of gray iron castings and sheet steel; sides of double thickness of steel with hot air space between. Guaranteed just as represented in the illustration or money will be refunded.

PRICES.

25 gallon, \$12.00 50 gallon, \$17.00
 30 gallon, 14.00 65 gallon, 19.00
 40 gallon, 16.00 75 gallon, 20.00
 100 gallon, \$24.00



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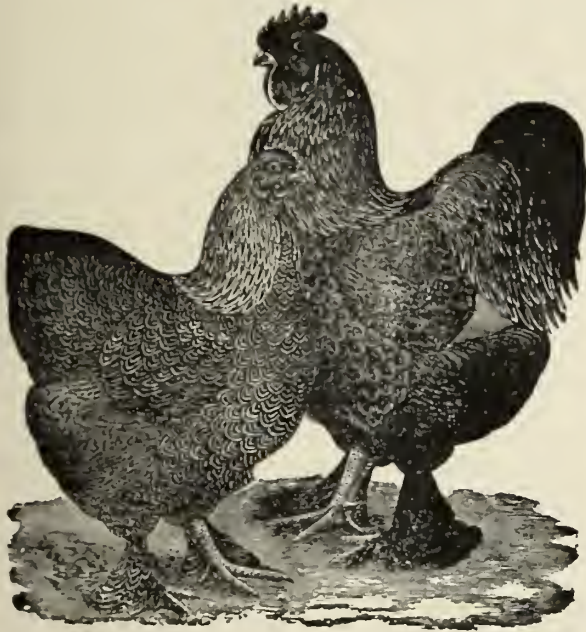
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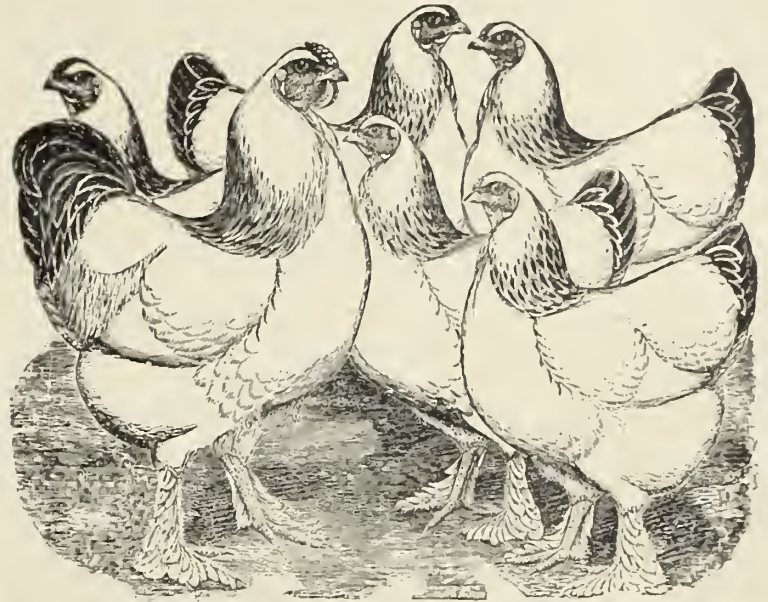
Thoroughbred Poultry

AND EGGS FOR HATCHING.

There is no one branch of farming that pays a better profit, or gives any more satisfaction for the money invested than the Poultry. They not only yield a good profit on eggs and poultry, but add to beauty of any lawn or yard. Our stock the best money will buy.



PARTRIDGE COCHINS Are the handsomest of the Cochins, and with many, the favorite breed. In plumage they are rich and elegant and so dark as not to become soiled when confined in small yards. They have a beautiful plumage the hen is rich brown, with cross-penciling of black; hackle golden yellow, striped with black, having a downy appearance and motherly bearing. Cocks have a solid black breast, red back, hackle and saddle orange red, with fine, well built, symmetrical form. They are large, cocks often weighing 11 pounds, hens 9 pounds. Have yellow legs and skin. Excellent layers during the winter, and are an ornament for the lawn. A few good cockerels and pullets at \$2.00 to \$3.00 each. Eggs, 13 for \$2.00, 39 for \$5.00.



LIGHT BRAHMAS Have stood at the head of all Asiatic breeds for 30 years, while other breeds have had their ups and downs, and they hold their own to-day and have more friends than when first known. They are the largest of all breeds, and furnish more pounds of flesh and eggs in twelve months than any other breed of fowls. When full grown the cocks weigh twelve pounds and the hens ten pounds. They are well adapted for all purposes; so handsome, gentle and practical one cannot help but like them. They stand confinement well and will not fly over a fence three feet high. Our pen of brahmas is as good as stands in the state, and if you order a setting of eggs you will not be disappointed. Eggs, 13 for \$2.00, 39 for \$5.00.



WHITE WYANDOTTES. This breed is our favorite, and is acknowledged by the leading papers and poultry handlers as standing at the head for both eggs and poultry, while but few breeds surpass them for beauty. Their beautiful pure white plumage, together with their rich yellow legs and red faces and ear lobes, make them very attractive. They are great winter layers and for all purposes, they are unequalled. Eggs per setting, \$2.00, or two settings, one shipment, \$3.00. Send for special prices by the hundred for incubators. All eggs will be carefully packed and delivered free to any express office in this city at prices quoted.



BARRED PLYMOUTH ROCKS. Among the many fine breeds of fowl bred by poultry fanciers generally, the Plymouth Rocks stand at the head as a general purpose fowl. They are medium size, beautiful plumage, very hardy and easily raised; first-class layers, good mothers, and an excellent table fowl. We have some of the finest stock in New England, and no matter what you pay you cannot get any better. We have a few good breeding cockerels for sale at \$2.00 to \$5.00 each. Eggs, 13 for \$2.00; 26, in one shipment, \$3.00. Special price per 100 for incubators.

WHITE PEKIN DUCK EGGS—FROM CHOICE STOCK—\$1.00 PER THIRTEEN.

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FROM 6000 FEET OF FLOOR SPACE IN 1891 TO 40,000 FEET IN 1901



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RETAIL HAND TOOL DEPARTMENT

THE ABOVE SHOWS ONLY A PART OF TWO FLOORS: WE OCCUPY NINE IN ALL. THE VIEW ON FRONT COVER SHOWS FRONT OF OUR MAIN STORE WHICH RUNS THROUGH AND CONNECTS WITH ANOTHER BLOCK ON BIGELOW COURT, MAKING OUR STORE FLOOR 200 FEET DEEP WITH WIDE FRONT, REAR AND SIDE ENTRANCES. * * * * *

Davis, Pr., Worcester.