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# ROSS BRO'S. CO.

SEEDS AND AGRICULTURAL GOODS.

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Washington, D. C.



SHADY SPOT  
LAWN GRASS SEED



WORCESTER LAWN SEED AND  
ODORLESS LAWN FERTILIZER



## 1909

# FARM & GARDEN SUPPLIES

WORCESTER, MASS.





# SELLING EVERYTHING

## For the Farm, Garden and Lawn



THAT is what we are doing and have been for twenty years and we are pleased to say that our sales for three weeks during the past year were as much as our entire first year's business, that fact alone ought to show any fair minded person that we have the confidence of our customers and we hope for a continuance of the same and you can rest assured that we will do all in our power to please everyone who places their orders with us in the future.

We are always pleased to hear from our customers, whether they are satisfied or not and especially if everything is not just as represented. We do not intend that any just claim shall go unadjusted.

We are responsible for all money sent us, being incorporated under Massachusetts laws. Any one wishing for reference, we will refer to the Mechanics National Bank of our city, or any commercial agency.

**Goods by Mail** While we are always glad to have our customers come to our store and inspect the goods for themselves, where they live at a convenient distance, we realize that we can only see a very small majority of our customers, as they extend from the Atlantic to the Pacific, and also several foreign countries, but with this catalogue, orders can be made up evenings and rainy days and the amount can be sent perfectly safe by post-office or express money order and goods can be sent by mail, express or freight, whichever way is cheapest.

**Postage** Customers are requested to read carefully our instructions and see that the proper amount is sent to cover postage, if goods are sent by mail. On account of our heavy counter trade, we are in duty bound to make prices less where we have no expense for postage or packing, but our prices for goods by express or freight are the same as for counter trade, as we make no charge for boxing or trucking.

**C. O. D. Orders** We dislike very much to send goods in this way but when customers wish, we will do so if one-third of the amount of the order is enclosed as a guarantee that the goods will be accepted, but the purchaser must pay the return charges on the money.

**Give Your Name** Always have your post-office, freight or express office plainly written, and state whether goods are to go by express, freight or mail, and where to. We receive orders every year without any post-office address to tell where the order came from.

**Market Gardeners' Prices** We do not print any market gardeners' price list, as we prefer to quote prices at time goods are wanted and to parties purchasing \$10.00 worth or more of Garden Seeds, we will name our best gardeners' prices.

**Terms** There are no means of our ascertaining the financial standing of parties not engaged in business and who have not a regular established rating, so we must have cash with the order or some satisfactory bank reference. The liberal discount that we offer for cash will more than pay the customers for sending the money with the order.

**How to Send Money** There are several ways that money can be sent safely but either a post-office or express money order is best, for if either should be lost in the mail, duplicates can be had. Postage stamps can be sent for amounts less than \$1.00, but they should always be wrapped in oiled paper to prevent them from sticking.

**Extra Parts** We have a large repair business in the summer season and parties sending old parts for patterns must prepay the express or they will not be accepted.

This rule also applies to empty bags being returned and the name of the sender **MUST ALWAYS BE ON THE PACKAGE**, so we will know who the package is from.

**What We Guarantee** That all seeds sold by us shall be as represented; should they prove otherwise, we will refill the order gratis; but we give no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. No officer, agent or employee of this company is authorized to make any warranty whatsoever. If the purchaser does not accept the goods on these terms, they are at once to be returned and the money paid will be refunded.

We also guarantee full weight and measure at time seed is delivered and should any of our customers find any package short, if they will notify us of the shortage, we will gladly refund them for the amount of such shortage, provided this shortage is not caused by the transportation company. Every package should be examined carefully before receiving for it from the freight or express company and should there be any damage, sign the receipt as goods being received in bad order and notify us at once.

**Change of Address** Since the introduction of the many rural mail routes, we find many addresses incorrect, we therefore request our customers to notify us of any change in post-office address.

We hope to have your order for this year and should also consider it a great favor if you will mention our seeds to your neighbors and you can rest assured that all orders will receive our most careful attention.

Thanking you for past favors and soliciting a continuance of the same, we are,

Very respectfully yours,

ROSS BROS. COMPANY,  
By W. D. Ross., *Pres. and Treas.*



# Odorless Lawn Fertilizer

FOR LAWNS, PARKS, CEMETERIES, GOLF LINKS, ETC.



The beauty of any lawn depends largely on two things, seed and fertilizer. Of course it goes without saying that no amount of either of these will produce a good lawn without suitable soil, but assuming that you have prepared your lawn with a sufficient amount of loam, you naturally expect good results by using the required amount of seed to produce under ordinary conditions a rich velvety lawn, so much desired by everyone; but no one has a right to expect a lawn to stand trampling, cutting and the other abuse to which they are subjected, without some complete fertilizer being applied each season to furnish the necessary plant food. A fertilizer that will produce a good crop of hay would not be adapted for lawns, parks and tennis courts, although many fertilizer manufacturers recommend the same brand for both; but this is a great mistake. A fertilizer to produce a hay crop should have it mature by the first of July, while a lawn fertilizer should be quick acting to give the grass an early start, but it should also contain chemicals that will keep it green until the snow covers it in the fall. Our lawn fertilizer is especially adapted for keeping grass green from early spring through the entire season and is acknowledged to be the standard food for grass and

is used on some of the largest lawns, parks, cemeteries and private estates in New England. In mixing this we use principally Fine Ground Bone, Muriate of Potash, Nitrate of Soda, Fine Ground Kiln Dried Sheep Manure and Tobacco Dust. This latter ingredient is found in no other fertilizer on the market. It rids the lawn of white grubs and other injurious insects, and also gives that particular green color to the grass throughout the season that everyone desires. A trial will show any one the difference between this and common commercial fertilizer sold by many as a lawn dressing. There is nothing better for new lawns than this fertilizer; stable manure should never be used either for new seeding or for top dressing as it invariably contains a large amount of weed seed which is liable to ruin the best lawn ever made. For convenience we put this up in 25, 50 and 100 pound bags.

#### PRICES AS FOLLOWS:

25 pounds, 60c.      50 pounds, \$1.15.      100 pounds, \$2.00

Special price in five and ten ton lots.

## 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 greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effect. Instead of being put up in the natural state as formerly, we have it kiln-dried and then finely pulverized which makes it much more convenient to

handle, and it can be kept in any cellar for an indefinite length of time.

**DIRECTIONS.**—For mixing with soil: Take one part manure to six of soil. For making a liquid: Take one pound manure to five gallons of water.

Prices. Ton, \$25.00; 100 lbs. \$1.75; 5 lbs. 25c.

Special Price by the Car Load.



# The Worcester Lawn Grass Seed



**The Worcester Lawn Grass Seed** Produces quickly after sowing a luxuriant velvety growth of rich verdure. Eventually a firm durable sward which, with proper care, will last indefinitely.

The "Worcester" Lawn Grass Seed is a mixture of the grasses which, on account of their fine, even growth, are adapted to the lawn. Each has also some feature peculiar to itself which meets some requirement and makes it, therefore, a desirable component. The varieties combined in well-balanced proportions make a mixture which, if sown on the average soil properly prepared, will produce in a few weeks after sowing a luxurious verdure; also, each succeeding season, a continuous thick growth from early in the Spring until the ground freezes, which, though soft and velvety, will bear frequent cutting and constant trampling, and will eventually form a close, firm, durable turf, which will remain in good condition permanently if given reasonable care. This mixture is vastly superior to any single variety (or, for that matter, to any two) for this purpose, because none alone is adequate, mainly because no variety is at its best growth the entire season, and as well because several, though desirable as components, have objectionable features when sown alone. Such features are, however, very largely or entirely overcome when used in proper proportions in a mixture. This is especially true of Kentucky Blue Grass, often recommended to be used alone, as it seldom grows well much after the first of July, and does not hold its color in hot, dry weather. Also, it is of slow growth, requiring generally three years to make a firm turf. It is however, one of the best sod-forming grasses, permanent, the growth fine and even and is an absolutely necessary component of a complete mixture.

It may be said, further, of this variety that while it thrives to perfection on the limestone soils of Kentucky, and to some extent on the Pacific coast, and is more or less used for the lawn in both sections, it will not thrive on acid soils, and in the favorable locations noted the results are not comparable with those obtained with a well-blended mixture like the "Worcester."

In quality of seeds this mixture is the best that can be offered. It is composed of the very highest grade of seed of native and imported varieties. It is much heavier than the average mixture offered, weighing about 30 pounds to the measured bushel, a weight nearly twice as much as that of the old standard, and one which can be obtained only by the use of the best grades of seed. All varieties are as nearly pure as the most painstaking care can make them, and freed from weed seeds by the latest improved machinery.

It is not claimed that this mixture is superior to what others can prepare; but it is claimed that it cannot be surpassed and is much superior to many offered. It costs more. "It's worth more."

75 or 80 pounds are required for an acre to be newly seeded. A pound package is, therefore, sufficient for 500 square feet.

Price, Pound package, 25c.; by mail, 35c.; 4½-lb pkg., \$1.00; 10 pounds or over, in bulk, 20c. per lb.



# Shady Spot Lawn Grass Seed



## The Shady Spot Lawn Grass Seed Produces in shaded places a fine velvety growth.

Bare spots seriously affect the otherwise attractive appearance of many lawns, and while for renovating or filling such spots our Worcester or Park mixtures are entirely sufficient where such spots are caused by the shade of trees, a renovation can be better accomplished by the use of the Shady Spot mixture. This is composed of varieties which thrive in shade. It includes all known varieties of this class otherwise adapted to the lawn, all of which are of dwarf habit and fine even growth. To secure a good growth, however, the soil should be properly prepared before sowing seed. Soil that is naturally moist which has been densely shaded often becomes sour, which is indicated by a growth of moss and sometimes by bog grass. In such cases the moss or grass should be removed, the soil thoroughly worked over and an application of lime be given at the rate of one bushel to each thousand feet. If the soil is dry and there has been no growth on it for some time it is usually very hard and it is useless to sow seed without working it deeply and

thoroughly pulverizing it. What would be preferable would be to remove some of the soil and add new soil and rotted turf and thereby furnish humus, which soils on which nothing has grown for some time usually lack. While, if soil is well prepared, the growth will continue for some time, we do not claim the permanency for this that we do for the Worcester when used in the open exposure to the sun, as there are no grasses which, if cut often, will be as permanent in the shade as others in the open. This is especially true if the shade is very dense. We therefore advise yearly attention and applications of a small quantity of seed if growth is thin. Those who have hitherto been unable to secure a growth under trees because they have not used a special mixture, will find this of great value and will be well repaid for any slight expense and trouble incurred in following our suggestions by the greatly improved appearance of the lawn.

Price, per lb., 40c.; by mail, 50c.; 10 lbs. or over, 35c. per lb.

## The Park Lawn Grass Seed

This mixture is prepared, as far as price will permit, on the same lines as our Worcester mixture. It is designed chiefly to meet a demand for a mixture somewhat lower in price for sowing various large areas and the less important places about the home, but is entirely adequate for all purposes. It comprises nearly all the varieties which form our Worcester mixture, though necessarily in slightly different proportions,

and does not contain any coarse-growing varieties. It weighs 20 pounds to the measured bushel, a weight exceeding that of many of the mixtures yet offered. Simply stated, the Park is a good mixture, the Worcester a better one. Four bushels are required for an acre of new seeding. A quart package is sufficient for about 300 sq. ft. Price, 1-quart package, 15c.; by mail, 22c.; 4-quart package, 50c.; per bushel (20 pounds), \$2.50.



# The "Eureka" Ensilage Corn

## GROWS THE TALLEST AND IS THE MOST LEAFY

**Will Produce More Good Material for the Silo Than Any Other Variety.**

There was a time, and that several years after we first offered the Eureka, that we sold less than half as much seed of it as we did of the Leaming. But now while we sell more than ever of the latter and also of several other varieties, notably the Red Cob Ensilage, we reached, sometime ago, the point where we sold more seed of the Eureka than of all others combined with the exception of the years when our supply of the Eureka was exhausted some time before the season was over. Since that time our sales have increased in the same proportion. There's a reason for it. The Leaming and other varieties are *good*. The Eureka is *better*. In fact it's the *BEST*.

We have in many previous issues told of the origin of this now famous variety and noted at more or less length the features which we think make the Eureka superior as an ensilage corn to any other variety which we or others offer. This year, however, we do not purpose to give a detailed description of its origin and merits, further than to say that it originated in Virginia and was at its introduction by us some twenty years ago, the result of careful selection from an unusually leafy strain of Southern White Corn. We are departing from our usual custom because we have asked some of our customers to give their opinion of this corn thinking that perhaps their experience with it would be of more interest and their opinions more convincing to our readers than anything we could say. It seems to us that the opinions expressed in the following letters entirely substantiate our claim of the superiority of the Eureka. These letters fairly represent many others which we have and we have no doubt we could obtain hundreds more of similar nature if we so desired.

A trial of the Eureka will show why the writers of these letters are in all cases pleased with it and in some enthusiastic in their praise of it.

There's no risk in planting a small part of your field with the Eureka. In fact there's no risk in planting your entire field with it except that your silo might be too small.

MEADOWBROOK FARM  
Home of the  
Fifteen Thousand-Dollar Jersey Bull  
Melba Ann's King 56581  
Geo. E. Peer, - Proprietor.

ROSS BROS. CO. Chili Station, N. Y., Dec. 14th  
Worcester, Mass.

Gentlemen:—It has been my intention for some time to write you and tell you the remarkable success that I had the past year with your Eureka Corn, although we had a poor corn year in this section, it being nothing but rain, rain all the time early in the season, so it made us very late in getting the corn planted, and after that as you well know we went through one of the very worse drouths this section ever saw. Notwithstanding all this we got simply an immense yield from your Eureka seed, in fact we filled one immense silo from nine acres alone, and a friend of mine near here, a Mr. Ely Buell, even had more phenomenal success than we did, I think I never saw such corn as he raised from your Eureka seed, great big ears he had and a great height. In fact I am so well pleased with the corn, I desire right now to ask you to reserve for me next season the same kind and amount of seed as sent me then.

Thanking you for all kindness in this matter,  
I am respectfully yours,

GEORGE E. PEER.

JUMPIERUN DAIRY FARM  
Jersey-Guernsey Herd  
H. A. Barrows, - Proprietor

ROSS BROS. CO. Monticello, Fla., April 12.  
Worcester, Mass.

Gentlemen:—Please find enclosed check for \$12.00, for which please send its value in "Eureka" Ensilage Corn.

I planted some of this Corn on land which had six years previously been an abandoned field, but has since been brought up by deep ploughing and manuring, and produced most satisfactory yield of fodder, out-yielding other varieties grown for same purpose.

The photograph enclosed shows condition of Corn on above land July 25th, it being planted May 25th, two months' time, and by actual measurement grew over three feet in height in 12 days.

If convenient ship via steamer to Savannah, Ga., care of A. C. L. Ry.  
Very truly,

H. A. BARROWS.

If above is so big a statement as to look "Corny" (fishy)—my wife says you will think so. I can substantiate the statement by witnesses, and would further say that this land when I took hold of it six years ago was "too poor for a nigger to raise a crop on," and that means poor in this country.

H. A. B.



Eureka Corn as it looks growing in the field in Virginia.  
Notice the large ears; also the amount of leaves.  
It is unlike any other kind.

ROSS BROS. CO. Salem, N. Y., Dec. 16th.  
Worcester, Mass.

Gentlemen:—I have raised Eureka Corn for the past three years, and I must say it is the best ensilage Corn that I can get. I planted eleven acres of it the past year. I have two silos of ninety tons each. I filled them and let them settle a week. Then I filled them again and let them settle another week; then filled them the third time, and I have got a big lot in shocks in the field yet. The man who plants Eureka Corn here fills his silos. The men who plant other kinds don't seem to fill their silos. I want to plant it next year and am depending on you for the seed.

Very truly yours,

GEORGE STEVENSON.



MESSRS. ROSS BROS. Northfield, Vt., Dec. 9th.  
Gentlemen:—I have been planting your Eureka Corn for the past four years and like it very much. This year I have filled my silo, a round one, 14 feet in diameter, 22 feet high. Only took three acres to fill the same. I consider it a big growth for Vermont.  
I am, yours very truly,  
W. R. KINGSTON.

GLENHURST STOCK FARM AND POULTRY YARDS  
H. R. Brigham, Proprietor

MESSRS. ROSS BROS. CO., Kingston, N. Y., March 9, 1907.  
Worcester, Mass.  
Gentlemen:—Please send me immediately by freight enough Eureka Ensilage Corn, shelled, to plant twenty-five acres in drills dropped twelve inches apart. I again had splendid success with this Corn last season, the stalks growing to a height of fourteen to fifteen feet and bearing from one to three ears each. I send you under separate covers photograph of same, thinking you might be interested. Also please send me enough seed of Danish Ball-head Cabbage to produce about eleven thousand plants for one acre setting. Also enough Mangel Wurtzel seeds to plant one-half acre suitable for stock.  
Yours very truly,  
H. R. BRIGHAM.

ROSS BROS. CO. Goshen, Conn.  
Dear Sirs:—Your Eureka Ensilage Corn that I ordered of you last year is almost beyond recommendation, as it is a wonder. On three and three quarters acres of land I filled my 16 by 24 silo the capacity of which is from 90 to 100 tons, using ten loads of stable manure and 250 lbs. phosphate per acre.  
Respectfully yours,  
F. E. BENTLEY.

P. S.—Kindly send me price list of your Corn for the ensuing year. Average height of my Corn was 14 feet.  
F. E. B.

R. F. D., No. 4, Binghamton, N. Y., January 4th.

ROSS BROS. CO.  
Gentlemen:—Please find enclosed a list of names of a few of our Broome County farmers and gardeners who will purchase seeds this spring. All of the seeds we purchased of you last spring gave good satisfaction, especially was this so of the Eureka corn of which we gave some to our neighbors, the first they had ever grown, and it was a surprise to them to see it keep green and grow while other corn by the side of it was all dried up. I think there will be a big call for Eureka seed here in the spring.  
Yours respectfully,  
E. P. BROTZMAN & SON.

ROSS BROS. CO., East Antrim, N.H.  
Worcester, Mass.  
Dear Sirs:—In answer to letter I received from you I will say that I am very much pleased with the Eureka Corn.  
The season was a very dry one but my corn was the best in my town, and I had corn that measured ten, twelve and fourteen feet.  
Yours truly,  
CASIMIR HAEFELI,  
A. E. H.

ROSS BROS. CO. Wellsburg, N. Y., May 4th,  
Dear Sirs:—Received Corn all O. K. in first-class condition. Could sell 25 bushels more if I had it here. You may expect 100-bushel order next spring if it gives as good satisfaction as years before. If it don't it won't be the Corn's fault.  
Yours,  
N. D. CHASE.

CRYSTAL BROOK FARM  
J. A. Satterly, Prop.

ROSS BROS. CO., Port Leyden, N. Y., Feb. 4th.  
Worcester, Mass.  
Please send me your Seed Catalogue and oblige. Was very much pleased with Eureka Seed Corn bought of you last year.  
Truly yours,  
J. A. SATTERLY.

ROSS BROS. CO., Chaplin, Conn., Dec. 28.  
Worcester, Mass.  
Dear Sirs:—Yours of the 12th is at hand. In regard to your Eureka Corn will say I have raised it for a number of years and I consider it superior to any other for silage, as it grows very large. Mine averaged 15 feet this year, and we had some that was 18 feet. The Eureka Corn is all right, and I shall want some if nothing happens this coming spring.  
Yours truly,  
WM. J. LEE.

PRICE:

Shelled, Peck . . . . .	\$0.60
" Bushel . . . . .	2.00
" Three Bushels . . . . .	5.50
On Ear, Crate of 70 pounds . . . . .	2.50

Of Corn on Ear we cannot send less than a Full Crate.

# A New "Acclimatized" Dent Corn BREWER'S YELLOW DENT

One Acre grown by the Originator in Connecticut last season secured for him the first prize for the best Acre of Corn in the United States, at the National Corn Exposition, held in Omaha, Nebraska, last December.

The yield of this acre was 133½ bushels of Shelled Corn



Brewer's Yellow Dent

Following is Mr. Brewer's description of this remarkable Corn:  
"This variety of corn has been developed by breeding and seed selection in Connecticut during the past four years. The original seed was an early strain of Reid's Yellow Dent, grown and bred by J. L. Reid, of East Lynne, Illinois, for 57 years previous to its introduction in Connecticut.  
"In the acclimatization of this Illinois-grown seed to Connecticut conditions a new type appeared, which was selected and propagated under such conditions as to eliminate all strains but those of the earliest maturity, highest production and best quality.  
"In 1906 an average acre of this variety yielded 121½ bushels of shelled corn, and under the conditions of the Orange Judd Corn contest, won the \$100.00 prize for the best and most profitable acre of corn grown in the United States. In 1908, one surveyed and measured average acre, husked and weighed under the supervision of town officers and others, yielded 133½ bushels of shelled corn, the ear product of which is shown in cut on the first page, as the corn was brought from the field.  
"This variety is an early yellow dent type. The plants grow from nine to ten feet high, and produce a large amount of leaves and foliage. The ears will average about ten inches in length and 7½ in circumference, and bear an average of about 22 rows of kernels, with about 50 kernels in every row. The kernels are very deep, with a large germ, and chemical analysis shows them to be very high in protein and oil content. The cob is red and of medium size, and the ears are well filled out over the tips and butts of the ears. This variety is specially valuable feeding corn in every respect, and is especially to be recommended for silos and other means of feeding dairy cattle, horses and all kinds of farm live stock, on account of its yield per acre of seed and stover, quality and digestibility."  
Subsequently to the time Mr. Brewer sent us this description, he

entered the acre of corn, to which reference has been made, at the National Corn Exposition, with the result previously noted. It may interest our readers to know that Mr. Brewer also took other prizes, as follows: Grand Sweepstakes of the world in flint corn, and first prizes for best ten ears of sweet corn in the world, best ten ears of dent, and best ten ears of flint in the Eastern Zone; also first for the best wheat and best rye in the same territory. The Eastern Zone includes New England, New York, and all states east of Ohio and Kentucky.  
It is reported that the corn judges at the Exposition, who were, of course, the most noted corn experts in the world, were very enthusiastic in their praise of Mr. Brewer's work in originating a strain of dent corn which not only was enormously productive but matured so well under eastern conditions. We are much pleased to be able to offer this valuable acquisition. It and Mr. Brewer's method of growing should to a considerable extent revolutionize corn growing in the East.  
Price. qt., 20c. (if desired by mail, add 12c. for postage); 2 qts., 30c.; ½-pk., 50c.; pk., 80c.; bush., \$2.50.



# A New Strain of Horticultural Pole Bean

Excels in Earliness, Quality, Handsome Appearance and Productiveness

This new bean, a strain of the well known Worcester Mammoth, equals the latter in size of both beans and pod, is from a week to ten days earlier and is fully as productive. When ready for use or market as shell beans, the pods are of golden yellow with splashes of vivid carmine giving them a strikingly handsome appearance. The large beans closely resemble the other Horticultural varieties and are equal in quality to any. It is also desirable as a string or snap bean the large pods being, at the proper stage of growth, brittle, tender and stringless, of a beautiful waxy yellow and the yield greatly exceeds that of the dwarf wax sorts. Postpaid  $\frac{1}{2}$  pt., 14c.; pt., 28c.; qt., 50c. By express or freight or at counter,  $\frac{1}{2}$  pt., 10c.; pt., 20c.; qt., 35c.; 2 qts., 60c.;  $\frac{1}{2}$  pk., \$1.00; pk., \$1.75.

**GOLDEN CARMINE  
POLE BEAN**



## The "Bountiful" Bean

Bears early, abundantly and continuously.

Though a comparatively new variety, this has been sufficiently cultivated to prove that in several respects it is superior to all other green podded string beans. The plant is unusually thrifty in growth and rarely affected by blight or mildew. It is also very hardy, bears earlier than others, more profusely and for a longer season. The pods are very large, flat, but thick and meaty, absolutely stringless, brittle and tender and of excellent flavor. Its immunity from blight, earliness and great productiveness combined with the desirable features noted of the pods have already made it popular with many market growers, and these and the additional feature of long bearing should make it a favorite for the home garden with those who prefer a green-podded variety. Postpaid,  $\frac{1}{2}$  pt., 14c.; pt., 26c.; qt., 45c. By express or at counter,  $\frac{1}{2}$  pt., 10c.; pt., 18c.; qt., 30c.; 2 qts., 50c.;  $\frac{1}{2}$  pk., 90c.; pk., \$1.60; bus., \$5.75.

## Horticultural Wax Bean

A variety entirely immune from rust.

This variety has been proved by several year's trial in unfavorable seasons to be entirely immune from rust, and notwithstanding that it is not equal in quality to other varieties, it has become popular with many market gardeners. The plant bears early and abundantly and the pods are of good size and form and of attractive color. Postpaid,  $\frac{1}{2}$  pt., 14c.; pt., 28c.; qt., 50c.; By express or at counter,  $\frac{1}{2}$  pt., 10c.; pt., 20c.; qt., 35c.; 2 qts., 60c.;  $\frac{1}{2}$  pk., \$1.00; pk., \$1.75; bus., \$6.50.

## Keeney's "Rustless" Wax Bean

Combines to an unusual degree freedom from rust with excellent quality.

Though not, as its name implies entirely immune from rust, it is seldom affected while surpassing in edible quality most others known as rust proof. The pods are of good length, about the same as those of the old Golden Wax, straight, flat, but meaty and of an attractive waxy yellow. The plant is of vigorous growth and of more than average productiveness. While its habit of producing tendrils is considered by some an objection it is not really of a serious nature, as the tendrils are short, soon become self-supporting and actually add to the yield. The variety is very popular in some sections with those who grow for market and is considered by several large growers of seed beans for the seed trade superior to the other strains of Golden Wax. Postpaid,  $\frac{1}{2}$  pt., 14c.; pt., 23c. qt., 40c. By express or at counter,  $\frac{1}{2}$  pt., 10c.; pt., 15c.; qt., 25c.; 2 qts., 45c.;  $\frac{1}{2}$  pk., 80c.; pk., \$1.50; bus., \$5.50.

## The Hodson Wax Bean

A new and distinct variety.

This, like the preceding, combines to an unusual degree, immunity from rust with excellent edible quality. In the latter respect it surpasses it, as it does in size and attractiveness of pod. In fact, no other wax bean surpasses this in its production of large and handsome pods, and but few if any equal it. It is however about two weeks later than the preceding and other standard sorts in producing a crop otherwise it would be more largely grown. The plant is distinct in its habit, being unusually large and rank and so dense is the foliage that the pods are protected from the sun making them extremely brittle and very tender. The pods are also considerably longer than the average, straight, flat but thick and, if picked before too old, stringless and free from fibre. As noted, they are remarkably attractive, being of a clear, light cream color. The variety is above the average in production, and though its season prevents it from being used for the early market crop, for a second crop it cannot be surpassed, and we think is destined to be a general favorite for the home garden. Postpaid,  $\frac{1}{2}$  pt., 14c.; pt., 26c.; qt., 45c.; By express or at counter,  $\frac{1}{2}$  pt., 10c.; pt., 18c.; qt., 30c.; 2 qts., 50c.;  $\frac{1}{2}$  pk., 90c.; pk., \$1.65; bu., \$6.00.



Hodson Wax Bean



# EXTRA EARLY RED CORY CORN The "Originator's Strain"



While nearly identical with the strain of Early Red Cory which we have offered for several years, we have found this several days earlier, a feature well worth considering as a few days often make a great difference in the market price. The seed we offer was grown by the originator of the Cory. Whether its earliness is due to the location in which it was grown or to a continual careful selection by this grower we are unable to say, the fact, however, remains that it is earlier than other strains.

Postpaid,  $\frac{1}{2}$  pt. 15c., pt., 25c., qt. 45c. By express or freight or at counter,  $\frac{1}{2}$  pt. 12c., pt. 2 c., qt. 35c., 2 qts. 60c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.65, bush. \$6.00.

## NEW EARLY SWEET CORN "Golden Bantam"

The Sweetest variety ever offered, surpassing in Sweetness, Rich Flavor and Tenderness, the well known Black Mexican, noted for these Qualities.

This variety not only surpasses all others in the qualities noted above but also is very early and remarkably hardy. When dry, the kernel, though entirely free from any flinty glaze, is very hard, the seed therefore can safely be planted earlier than any other sweet corn. The stalks though of vigorous growth are of dwarf habit growing about four feet high, and are very prolific, often bearing three ears. The ears are five to six inches long, eight rowed, and well filled to the tip, with large kernels. A remarkable feature of the Golden Bantam is that, while all other varieties must be picked when in condition for the table almost to a day, ears of this may be left on the stalk, a week or even more, after it is ripe or of the proper size and condition for cooking without, to any extent, losing either its sweetness or its tenderness. In fact the last picking of half sized ears, when even appearing to have reached the stage of glazing averages better in quality than many varieties when in prime condition. Above any variety it should be popular for the home garden, and there is no sufficient reason why it should not be popular for the market except the unreasonable prejudice of many against any sweet corn that is not white. Postpaid,  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 45c. By express,  $\frac{1}{2}$  pt., 12c., pt. 20c., qt. 35c. 2 qts. 60c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.65, bush. \$6.00.

## CROSBY'S BEET Extra Selected EGYPTIAN BEET ed Strain...

This variety has been for many years the most popular early beet for market and deservedly as it surpasses in combination of earliness, good shape, attractive foliage and fine dark color, all other early varieties. Starting several years ago with seed which we procured from a local market gardener, who had for years the reputation of bringing into this market the finest early beets, we have since given this variety special attention and have in this time grown and selected our own roots from which to grow seeds. The most careful attention has been given in making selection to the different features which make the perfect type of this variety, viz., shape identical with that of the original introduction which perhaps is best described as midway between the flat Early Egyptian and the thick types of the Turnip Blood varieties like the Dewing's; rich dark color in which no other variety compares except the Detroit Dark Ded, and dark colored foliage of somewhat slender growth. The variety is by far the most difficult to keep true or improve and while it may never be possible to entirely eliminate the tendency to sport, our crops have continually shown this strain to be more nearly free from the light colored roots and some with coarse light colored leaves peculiar to the variety, than any we have in the past tested. Not only is this variety the best for early market but it is now used by some market gardeners for their last or main planting as it has all the requisites for a winter beet and can be planted considerably later than the standard varieties. We are confident this strain will be found fully equal to any offered by any seedsman or to any private stock of gardeners. Postpaid, Pkt. 5 cents, oz. 12 cents,  $\frac{1}{2}$  lb. 30 cents, lb. \$1.10. By express, lb. \$1.00, 5 lbs or over 90 cents per lb.



## The Volga Cabbage

Though this new variety will probably never be as popular for market as the Danish Ballhead it nevertheless is much superior in quality, and has other features which make it a valuable acquisition. First it can be planted much later in the season than the Danish Ballhead and some later than any of the standard winter sorts except the All Seasons. It is superior to that excellent variety in one feature at least that it seldom cracks. It is also very uniform in heading, seldom varies from type and is exceptionally hardy as might reasonably be expected as it originated in Russia. Another desirable feature is that the stem does not run up into the head nearly as far as in all other types. Its quality makes it one of the best for home use, while its other features make it a desirable variety for market, especially that of quick maturing, as it can often be grown as a second crop when the Danish Ballhead and other varieties could not.

Postpaid Pkt. 5 cts.,  $\frac{1}{2}$  oz. 15 cts., oz. 25 cts., 2 oz. 40 cts.  $\frac{1}{2}$  lb. 70 cts., lb. \$2.60. By express or at counter lb. \$2.50.



# CHILOE or SUGAR SQUASH

**A New and Distinct Variety from Mr. Luther Burbank, the famous Collector and Hybridizer.**

Extremely Heavy. As Sweet as Sugar.  
Very Productive. Remarkable Keeper.

Following is Mr. Burbank's description of this new squash:

"From my Chilian collector I received seeds of a number of new Indian squashes. Among them was one which was stated to be as 'Sweet as sugar.' Several seasons have been required to thoroughly fix the type. Though of medium size this new squash averages 30 pounds each, resembling a cannon ball in specific gravity; the seed is packed solidly in a little space, all the rest of the squash being solid, sweet, dark orange-colored flesh which is *three to four inches thick*. The Chiloe is apple shaped with a broad protuberance at the blossom end packed solid with the large, heavy reddish-brown seeds. The color is somewhat like the watermelon, green, white and yellowish intermixed in mottling, spots and stripes. The fruits are produced in great abundance and keep in good condition till May and even June of the following season."

Postpaid, pkt., 10c.; oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00. By express, lb., \$1.90.



*I received your letter asking me what success I had with the packet of seeds of your new Chiloe Squash, which I purchased of you this season. I had splendid success with the few seeds which I planted, and this squash is everything you claim for it and more too. The season was very dry, almost without rain, and squashes and pumpkins were generally failures. But the Chiloe was an exception. The vines grew in spite of the drought until they were a wonder to see. One vine produced six large squashes. The rind is thin, while the meat is thick, of a deep orange color, and its edible qualities are away ahead of any squash I have ever tasted. It is hard, heavy and sound, and gives promise of being an excellent keeper. All in all, I like it best of any squash I have ever seen.*

E. M. SMITH, Canton, Pa.



## The Davis Perfect Cucumber

Attractive in Shape. Of Fine Color.  
Superior Quality. Very Productive.

As noted this variety produces fruit of very attractive form, slim and symmetrical, and of an average length of over ten inches. In color it is a dark glossy green, which it retains until nearly ripe. The quality of the fruit is of the best, the seeds being very soft, the flesh brittle and tender and of the finest flavor. The vine is exceptionally productive, of unusually rank growth and less liable to be affected by blight than most other varieties. In season it ranks with the earliest strains of White Spine.

Another strong point is its fine keeping quality, the fruits retaining remarkably their brittleness and flavor long after being cut, it is therefore unsurpassed for shipping. Also it

is claimed by the originator to be the best variety for forcing of all the many which he has grown.

Continued improvement has been made in it by the introducer since its introduction, and we are assured by him that the stock which we are having from him this season is superior to any which we have had before. Postpaid, pkt., 10c.; oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.60. By express, lb., \$1.50.

## New Lettuce MAY KING

In the few years in which it has been known this lettuce has become very popular. It is exceptionally hardy and of rapid growth, therefore very desirable for first outdoor planting. It also forces well and on account of the outer leaves being closely folded is practically all head, and can be set closer than other varieties. The heads are globular, very solid and a little larger than the White Seeded Tennis Ball. The quality is excellent. Pkt., 5c.;  $\frac{1}{2}$  oz., 12c.; oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.

## CRISP-AS-ICE LETTUCE.

This is not a new variety, but is one which cannot be too highly recommended. Of all the mid-summer cabbage varieties which we have eaten, this surpasses all in fine, delicate flavor, crispness and tenderness. The heads are solid, very large when well grown, and so brittle and tender that it well deserves the name "*Crisp-as-Ice*." The leaves are thick, glossy, crimped and curled, outside they are variegated, dark bronze and green, while the heads when cut open show a rich creamy-yellow heart. Its extreme brittleness and color both prevent it being a popular market variety, but for the home garden it has no equal. Pkt., 5c.;  $\frac{1}{2}$  oz., 10c.; 1 oz., 15c.;  $\frac{1}{4}$  lb., 50c.

## New Radish CRIMSON GIANT

**FORCING** . . . combining both earliness and great size, while well suited for forcing, is equally adapted for out-door cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass nor outdoors, even when twice as large and a week older. When full grown it has a circumference of five to six inches and weighs from  $1\frac{1}{2}$  to 2 ounces. Color a beautiful crimson carmine. The roots vary somewhat in shape, some being round while others incline to oval. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; 1 lb., 88c., postpaid. By express, lb., 80c.



May King Lettuce.



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NEW ASTER

## VICK'S MIKADO PINK

Claimed by the originators, who have long been engaged in growing aster seed, and who have originated several valuable varieties, to be

**THE PREMIER OF SHELL-PINK ASTERS. A NOVELTY OF STERLING WORTH.**

Following is the description of the originators: "Not since we brought out Vick's Violet King have we introduced an Aster of such pleasing color and general commercial purpose as we have in this new large flowering, mid-season Vick's Mikado Pink. Three years ago, in our Aster Book, we stated that we hoped to have a new pink of the Mikado type in a few years. It is here. And it surpasses our expectations.

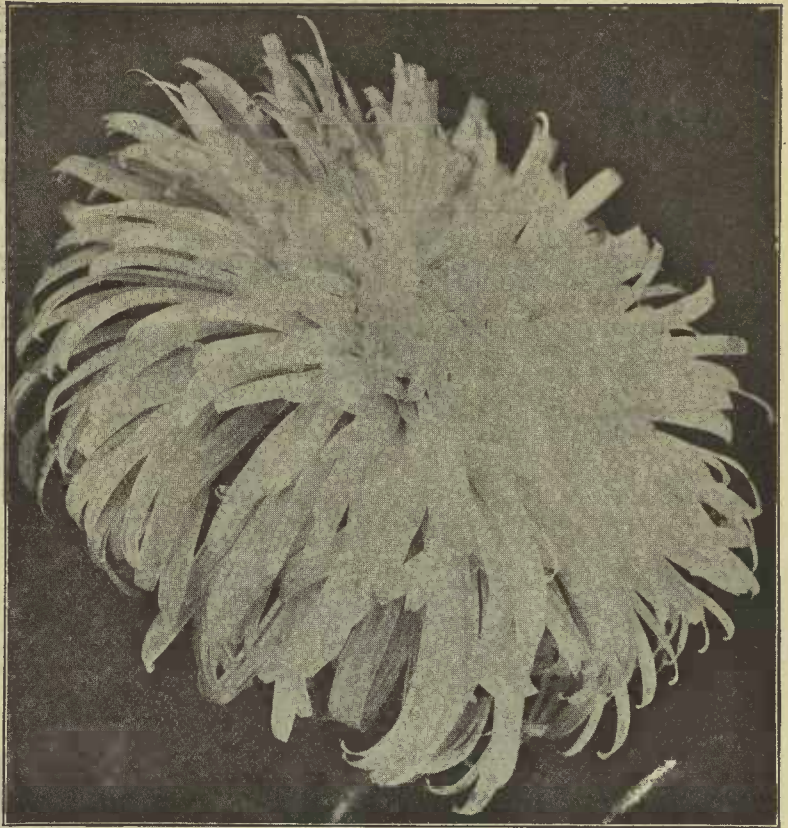
**Type.** In type Vick's Mikado Pink belongs to the Comet class. Petals are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder as to make the fluffiest Aster we have ever seen.

**In Color** it is a most exquisite shade of shell pink imaginable, being a happy medium between the color of Vick's Branching Pink and Semple's Pink. It is destined to be among Asters what the Enchantress is among Carnations. For a mid-season pink this Aster is without a rival.

**Habit.** While Vick's Mikado Pink belongs strictly to the Comet class, the strongly growing, freely branching, long stemmed plants quite resemble the Branching sorts. In growth these plants are usually vigorous for their type, succeeding abundantly this past season in spite of severe droughts and poor soil. It was not uncommon to find plants with a dozen long, strong, graceful stems each crowned with flowers from four and a half to six inches in diameter. The flower photographed was over six and a half inches. It is our belief that under favorable circumstances this variety can be made to grow flowers seven and a half inches in diameter, with stems two feet or more in length.

**Season.** Vick's Mikado Pink comes into bloom between Queen of the Market and Vick's Branching. It therefore enables commercial Aster growers to have good pink Asters throughout the entire season.

Originators' pkt., 25c. Not subject to any discount.



Vick's Mikado Pink Aster

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NEW ASTER "LAVENDER" DAYBREAK.

The Daybreak and its sister variety, Purity, are recognized the world over as ranking with the best, and while not of the enormous size of some of the later introductions, owing to the regular and beautiful form of the flowers and the early and profuse bloom and symmetrical habit of the plants, there are probably no other two Asters as largely grown by florists. They are as well the favorites with many amateurs and they and the former will doubtless hail with delight this additional color to the Imperial class, a soft, clear lavender. Pkt., 20c.



Marigold, Dwarf French, Striped "Grandiflora"

**AUSTRALIAN STAR FLOWER.** *Cephalopterum Drummondii.*

A new half hardy annual from Australia easily grown from seed. The flowers are of a pleasing pale crimson sometimes nearly white, fragrant and are borne freely in graceful clusters. They are said to surpass all other flowers in keeping qualities even other everlasting flowers, retaining their form and color permanently when dried. Pkt., 10c.

605. **MARIGOLD.** Dwarf French Striped "Grandiflora."

The introducers say of this "We can confidently recommend this as a vast improvement in the dwarf French class, the flowers are as large as in the finest Scotch tall striped, in fact almost as large as the African, but with the dwarf compact free flowering habit of the dwarf French, only 1 foot to 15 inches in height with beautifully striped well-formed Exhibition flowers." Pkt., 10c.

82. **VICK'S MIKADO WHITE ASTER.**

Introduced two years ago and has proved to be all that the originators claimed. Except that probably the flowers of the Mikado Pink will average some larger the description of it will otherwise suffice for this, the flowers having the deep, fluffy form and the plant the branching habit ascribed to the Mikado Pink and blooms at the same season. Each is the best of its color of the Comet type. Pkt., 15c.

410. **"PURITY." A NEW DOUBLE CLOVE SCENTED WHITE DIANTHUS.**

The flowers beside being large and double possess the unusual feature of a *delicious fragrance*; a feature which, to the great regret of many, the very popular garden Dianthus has not until now possessed, a decided acquisition to this large family of beautiful flowers. Pkt., 10c.

**"WIND POPPY" MECONOPSIS CALIFORNICA.**

A rare graceful, slender California annual. Easily grown from seed. Color of flowers an unusual "burnt orange." 2 feet. Seed from Mr. Burbank's selected strain. Pkt., 10c.

1310. **SWEET WILLIAM.** "EVER BLOOMING HYBRID."

Blooms the first season from seed.

A cross of the China Pink and Sweet William, combining the free and continuous blooming habit of the former with the hardiness of the latter and blooming freely the first season from seed. Color, intense crimson scarlet. Pkt., 10c.



# THE NEW RACE OF SWEET PEAS

# THE COUNTESS SPENCER TYPE

## OR GIANT ORCHID-FLOWERED

Several years' trial of the Countess Spencer, the first of this type and which gave the class its name, and trial also of some of its varieties have established beyond doubt that, while occasionally a variety has reverted to the older type with smooth petals, the type is fixed and greatly surpasses in several respects all previous introductions. The most notable difference is in the beautiful form of the flowers the tissue being so full that, unlike the older types, it can neither flatly expand nor smoothly roll but causes both the standard and wings to wave and crinkle in a peculiarly beautiful manner. The flowers are also uniformly of extraordinary size averaging considerable larger than the latest introductions of the older grandiflora type. Another remarkable and very desirable feature is that a large percentage of the flowers are borne four to the stem. Other desirable features are the long stems and great substance of flowers and remarkable vigorous growth and free blooming habit of plant. The class excels in all characteristics that are desirable in the Sweet Pea and is destined to be very popular and probably to largely displace the standard sorts of same color. As noted elsewhere, though very free-flowering, all varieties are shy seeders and seed of this class will always be rather high priced. We offer in bulk seed of varieties which were introduced previous to this season, the others as noted are offered for the first time.

The varieties on this and following page now offered for the first time, and in packets only, represent the work of a firm in California, the largest growers of Sweet Peas in the world. Following is in substance what they say of them and their description of each:

"After several years of patient labor we are able to offer a few of our Countess Spencer selections. We have a great number of new shades and colors secured by crossing the original Countess Spencer with other varieties and will have others to offer later. These now offered are of the true Spencer type, large, wavy, long-stemmed, robust and fragrant. There is no question of the superiority of this type of Sweet Pea to the old grandiflora. They are, however, very shy seeders and will always be high priced."

**Price**—Offered in originators' pkts. only, each variety, pkt. of 10 seeds ..... **15 cents.**

(Our special offer of seeds in pkts. not to apply to these varieties)

## Beatrice Spencer



BEATRICE SPENCER  
( $\frac{3}{4}$  natural size)

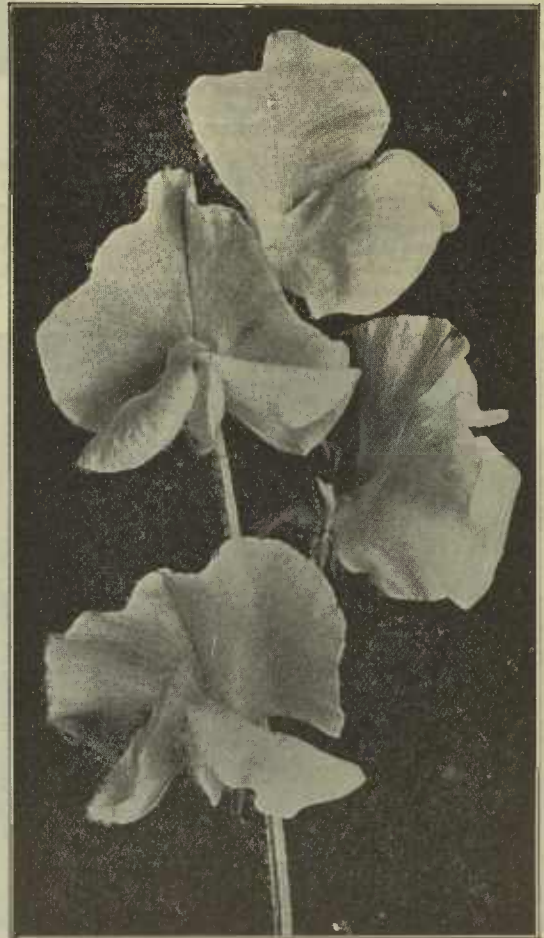
As the name implies, this variety resembles in color and markings the old favorite Princess Beatrice. It is fully as large as Countess Spencer, with wavy standard and large wings. The ground is white, tinted with soft pink and buff on the standard, while each wing has a blotch of brighter pink near the base. One of the most delicate and dainty varieties we have.

## Mrs. Routzahn Spencer

Although we offer our own selection of this variety and had meant to introduce it under another name, we found it identical with a selection to be introduced this year by another firm and have decided to use their name. Our "field name" was "Apricot and Straw." This rather correctly describes the colors. It can also be described as our Florence Morse Spencer on Primrose Ground. The blending shades are soft rose and buff and primrose with a decided rose edge. It is very large and of the most perfect Spencer form.

## Ramona Spencer

Like our well-known Ramona, this variety is clear white, with soft delicate lines and flakes of blush pink. It is of the very finest form and immense size. Both standard and wings are wavy and fluffy and it is very seldom one finds a stem with less than four blossoms, all beautifully poised. Delicate and beautiful.



RAMONA SPENCER ( $\frac{3}{4}$  natural size)



# SWEET PEAS—Spencer Varieties—(Continued)

Offered in Originators' Pkts. only. Each Variety, Pkt. of 10 Seeds, 15 cents.

(Not included in Special Offer of Seeds in Pkts.)

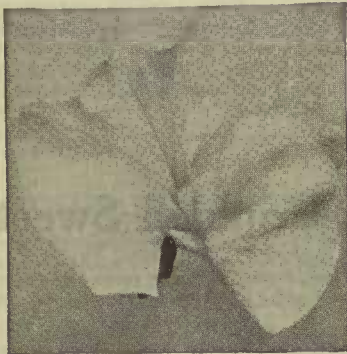


(A little less than natural size)

## Mrs. Sankey Spencer

Any one familiar with the old favorite, Mrs. Sankey, will at once recognize this as a "Black Seeded White" Spencer. It is fully as large as Burpee's White Spencer and of equally perfect form. Being black seeded it is easy to germinate. Like all other black seeded White Sweet Peas, there is a faint tint of pink in the bud, but the fully expanded flower is clear, pure white.

## "Lovely" Spencer

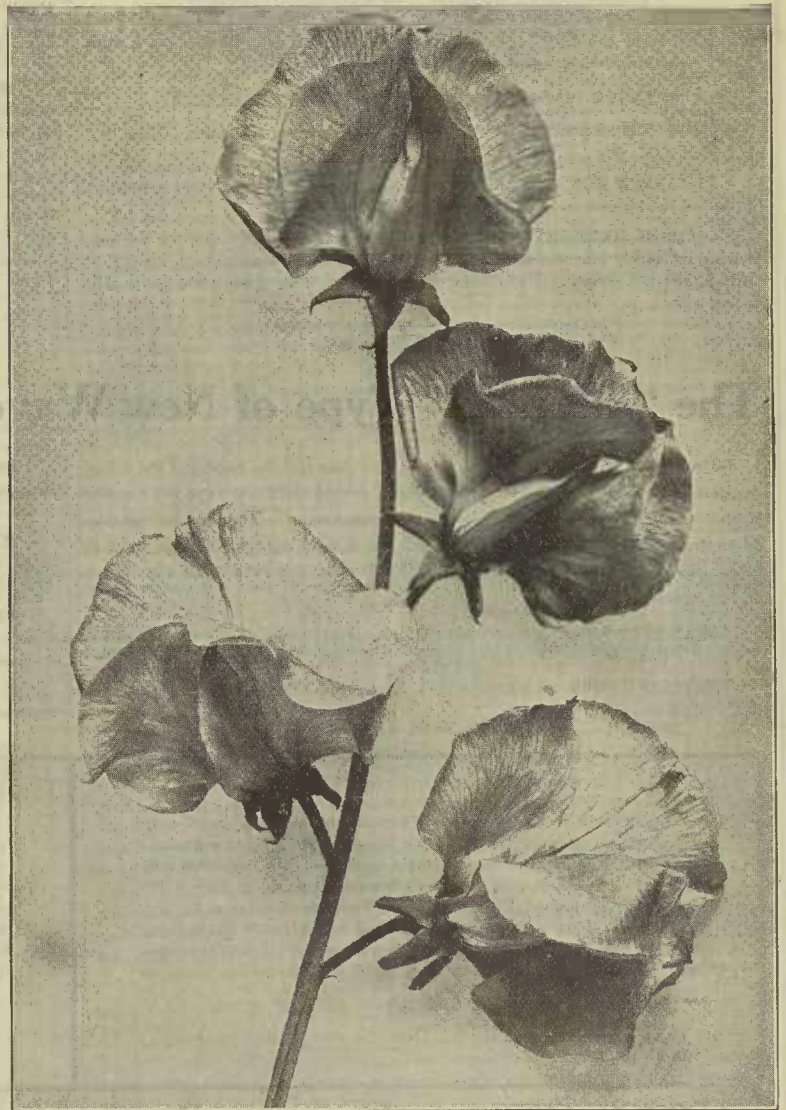


(A little less than natural size)

Like its predecessor, "Lovely," this selection is all its name describes. The color is bright pink at the throat, or rather the base of both standard and wings, and shades to soft blush and almost white at the edges. Of the true Spencer type, large and wavy.

## Asta Ohn (Spencer)

This selection is lavender, suffused or tinted with mauve. It will undoubtedly take its place as the best lavender in the Spencer selections. It is so superior to any other lavender we have seen that there can be no place for the others. It is of the true Spencer type. It is large and wavy, and has large wavy wings also. It comes uniformly four blossoms to the stem and the stems are particularly long and sturdy. It also comes wonderfully true and there were absolutely no hooded types in the piece this year.



ASTA OHN ("SPENCER") (A little under natural size)



## SWEET PEAS—Spencer Varieties—(Continued)

The first four varieties are from another California firm, the Routzahn Seed Company. Mr. L. C. Routzahn is well known to the seed trade as the originator of many valuable varieties of sweet peas and nasturtiums. It will be noted that one is a Black Seeded White variety like Mrs. Sankey Spencer. Whether it is equal or superior to the latter must be proved by trial. While neither may prove superior to White Spencer, both have this in their favor, that they have black seed. These four varieties, like those on preceding pages, are offered only in packages. The latter are however much larger containing as noted fifty seeds or over. The descriptions are those of the originators.

Price, pkts. of fifty seeds or over 15c.

**DAINTY SPENCER.** Beautifully formed, at first looking like a pale primrose self, but quickly changes to white, with a pink edge, more decided at the back, making a most charming contrast; three and four flowers on a stem.

**MRS. JOS. CHAMBERLAIN SPENCER.** A fine bold flower, one of the very largest, heavily flaked or marked with bright rose on white ground; three and four flowers on a stem.

**PRINCESS ALICE SPENCER.** A lovely shade of lavender, strong, vigorous grower, three and four flowers on a stem. The least sportive, and best one of this color yet introduced.

**PRINCESS KATHERINE SPENCER.** A grand, Black Seeded White of this lovely type, of unusually vigorous growth; three and four flowers on a stem. Wavy standard measuring two inches across.

### SPENCER VARIETIES OF PREVIOUS INTRODUCTION:

**COUNTRESS SPENCER.** Delicate clear pink, deeper at edges. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**FLORENCE MORSE SPENCER.** Delicate blush with pink edge; a beautiful flower of the largest size. Pkt., 10c.; oz., 35c.;  $\frac{1}{2}$  oz., 20c.

**GEORGE HERBERT.** Bright rosy carmine, especially fine in artificial light. Of largest size and true wavy form, both standard and wings beautifully fluted. Four-flowered. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.; 2 ozs., 40c.;  $\frac{1}{4}$  lb., 75c.

**HELEN LEWIS.** Standard crimson-orange, wings orange-rose. The standard is reflexed, showing the distinctly fluted effect, while the wings roll and fold. Large and attractive. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**PARADISE.** Perhaps best described as an improved Countess Spencer. Self-colored, both standard and wings evenly suffused with soft, delicate pink. Large, well expanded and has the same graceful, wavy effect as Countess Spencer. The stems are long and stiff and usually have four flowers. The finest light pink variety. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.; 2 oz., 40c.;  $\frac{1}{4}$  lb., 75c.

**PRIMROSE SPENCER.** A decided primrose or creamy yellow. A valuable addition to the Spencer type; equal in richness of color to The Hon. Mrs. E. Kenyon, until now the best of the so called "Yellow" varieties, but is much larger has longer stems and the desired wavy form. The flowers are of fine texture, and are borne three or four to the stem. Pkt., 10c.; oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.

**WHITE SPENCER.** Pure white. Of the largest size, has beautifully poised wings and the standard is erect and wavy. Stems very long, often twelve and sometimes fifteen inches in length. Superior to any other white variety except perhaps the new Mrs. Sankey Spencer, which, though it may not outrank this in size or form, has the desirable feature of being black-seeded. Pkt., 10c.; oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.

**SPENCER VARIETIES MIXED.** This choice mixture contains all of the preceding and several other named sorts of fixed type, and a number of unnamed seedlings from a noted sweet pea specialist, which will probably later be introduced under name if they continue true to type and when sufficient stock is secured. We consider ourselves very fortunate in securing this mixture of seedlings to combine with the named varieties as the combination makes a much richer mixture than otherwise possible, and will afford to customers the opportunity of securing desirable new colors of this type in advance of their introduction under name. Pkt., 10c.; oz., 20c.; 2 ozs., 25c.;  $\frac{1}{4}$  lb., 50c.;  $\frac{1}{2}$  lb., 90c.; 1 lb., \$1.60, postpaid. By express or at counter,  $\frac{1}{2}$  lb., 85c.; lb., \$1.50.

## The "UNWIN" Type of New Waved and Crinkled Sweet Peas

The popular Gladys Unwin the first of this class and the parent of the other varieties following, though of different origin, is very similar in type to Countess Spencer, having the same wavy form and crinkled edges. This and its varieties come uniformly true to type, and though the flowers do not average quite as large they are also known as Giant Orchid-Flowered, and are at least close rivals of the Spencer varieties.

**GLADYS UNWIN.** A lovely light pink, several shades lighter than Countess Spencer. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.;  $\frac{1}{4}$  lb., 40c.

**PHYLIS UNWIN.** Light rose-pink; larger than Gladys Unwin. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**NORA UNWIN.** White, flowers have long stems and are very abundantly produced. One of the best white varieties. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**MRS. ALFRED WATKINS.** Pale pink, slightly deeper at the edges. A large, well-expanded flower of true wavy form and borne on very long stems. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.; 2 oz., 40c.;  $\frac{1}{4}$  lb., 75c.

**FRANK DOLDY.** Beautiful light lavender, the same shade as Lady Grisel Hamilton, but much larger, the finest lavender variety unless it be the new Asta Ohn. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**E. J. CASTLE.** Rich carmine-rose with salmon shading very striking, especially in artificial light. Pkt., 10c.; oz., 20c.; 2 oz., 30c.;  $\frac{1}{4}$  lb., 50c.

**JOSEPHINE BARNARD.** This new variety of the Unwin type offered now for the first time is one of Mr. L. C. Routzahn's creations, and is described by him as follows: "A beautiful bold flower. In color a pure rose self, retaining this color throughout its whole period of bloom. Grows stronger in color with age, instead of fading as is usual with other varieties. With striking upright standard, which is crinkled and waved, with broad, incurved wings, flowers well placed on long, stout stems, coming three or four flowers on each stem."

Pkts. of 50 seeds or over 15c.

**FLORIST LAVENDER.** This is another new variety, which though of the older type is worthy the attention of all, who especially admire this shade. It also is from the Routzahn Seed Company, who say of it, "The most perfect and truest lavender of any type of Sweet Pea. A sport from Navy Blue; strong, vigorous grower; extra long stems; always three and four flowers. Experts visiting our trial grounds exclaim, 'Best Lavender yet.'"

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

For Other Varieties of Sweet Peas, see General List of Flower Seeds



# THE QUEEN TYPE OF NASTURTIUMS

## A New Race with Beautiful, Variegated Foliage

748.

### QUEEN OF TOM THUMBS.

This, the first of this beautiful type, is one of the most pleasing novelties of recent introduction. The plant on good soil does not grow over nine inches high. The leaves are unusually small but grow so closely together that they overlap and give the plant a full, compact, round form. Each is beautifully variegated silvery white and green, making the plant so distinct and attractive it would be well worth growing for its foliage alone. The flowers however, though small, add greatly to its beauty, being of rich brilliant crimson and showing to great advantage resting on the beautiful foliage. An especially desirable plant for edgings, as it can be so easily and cheaply grown and very effective grown in masses. The plant does not bloom until it has attained nearly its full growth; on this account and because it has appeared to us to be of somewhat slower growth than the regular type, we suggest that seed be sown as early as it can be safely done. We think also that it would be at its best on somewhat richer soil than that in which the nasturtium is usually grown. Pkt., 10c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.

### 749. QUEEN OF TOM THUMBS. NEW VARIETIES IN MIXTURE.

Though the preceding original variety is of but comparatively recent introduction already there have been offered under name several other distinct colors. We are pleased to be able to offer this mixture, which comprises not only all these, but also several unnamed seedlings of different colors. The mixture therefore is of a pleasing range of colors and as the value of this type lies entirely in its desirability for bedding and edgings, the flowers being too small and short stemmed for cutting, we see no reason for offering the varieties separately, other than the original which we offer to describe the type, because more or less known and because no other will surpass it for edgings. For bedding in masses this mixture will be found a very pleasing acquisition. Not only have all the varieties the beautiful, marbled or variegated foliage of the original, but an additional interesting feature, that of the flowers varying in color on the same plant from light primrose and orange shades to scarlet and deep crimson, some veined and spotted with distinct colors. The suggestions of early sowing and richer soil than usual made in description of the original are equally applicable to this. Pkt., 10c.;  $\frac{1}{2}$  oz., 25c.; oz. 40c.

### 750. DWARF GOLDEN-LEAVED NASTURTIUMS IN MIXTURE.

A mixture of seven varieties with yellow or golden leaves, including the new Golden Midnight introduced last season. While all are beautiful this variety is especially attractive, the clear golden yellow foliage and very deep maroon flowers forming a combination both striking and beautiful. Of it the originator, a specialist in California, who has originated many varieties of Nasturtiums, including a large proportion of the Variegated-Leaved or Queen, says, that it is the greatest triumph of anything he has tried to do. A bed planted with this mixture in the center, with a row or two outside of such dark-leaved sorts as King Theodore and Empress of India and an edge of Queen of Tom Thumbs would make a combination difficult to surpass in beauty and effectiveness and we doubt if with any other plants so pleasing and striking an effect could be obtained at any where nearly so little expense. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.



Nasturtium, Snow Queen



Nasturtium, Queen of Tom Thumbs.

### 706. VARIEGATED-LEAVED OR QUEEN TALL NASTURTIUMS IN MIXTURE

Soon after the Queen of Tom Thumbs was introduced hybridizers were able to offer tall sorts with the same or similar beautiful foliage. Though the leaves are not as large as of the common Tall Nasturtium they are much larger than those of the dwarf varieties of this class. Each is variegated white, yellow and green, but in greatly varying degree. Some are largely yellow or white, while others are mostly green but beautifully veined, striped or blotched with yellow and white. The flowers are of medium size and borne on stems sufficiently long for cutting. A number of varieties have been offered under name, most of which are included in this mixture. In addition it includes, like the Tom Thumb mixed, several unnamed seedlings, and is fully equal in diversity of colors. Planted with the light and dark leaved varieties of the common type the effect is striking and pleasing. Pkt., 10c.;  $\frac{1}{2}$  oz., 25c.; oz., 40c.

### 673. "GIANT FLOWERED" TALL NASTURTIUMS.

A special mixture of the largest flowered sorts, comprising several distinct named varieties and a much greater number of unnamed seedlings. The latter are the results of continual crossing by skillful hybridizers and while they do not come sufficiently true to color to warrant giving a name they are nevertheless just as desirable in mixture. All the seedlings bear flowers of the largest size and are of many diverse colors. A splendid mixture, unsurpassed for general use and especially desirable for those who make competitive exhibits. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.; 2 oz., 40c.;  $\frac{1}{4}$  lb., 65c.

### 702. A NEW TYPE OF TALL NASTURTIUM "IVY LEAVED."

An entirely distinct type of this popular flower having leaves which resemble those of the English Ivy and flowers with narrow petals set well apart which give them a somewhat star-like appearance. As first introduced from England there was but one color, an intense scarlet, but a specialist in this country has succeeded in not only developing several varieties of different colors, which have been offered under name, but has now so further developed the class that in this mixture will be found nearly all colors of the regular types. It will be found a pleasing variation suitable for all uses of the common tall varieties, and especially desirable for vases and hanging baskets. Pkt., 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c., 2 oz., 45c.;  $\frac{1}{4}$  lb., 75c.

### NEW DWARF NASTURTIUM. (Snow Queen.)

A charming little variety selected from the Liliput class and introduced as the first really white Nasturtium. The flowers when first opened are of a yellowish tinge, which soon turns white at the edges and on the second day the whole flower becomes pure white. The plant is of bushy compact form, has light green leaves and produces freely its attractive flowers well above the foliage. An excellent bedding variety. Pkt., 10c.





# GLADIOLI

Compared with flowers of plants which can be as easily grown no others equal those of the Gladiolus in beauty and diversity of colorings and markings and in lasting quality no others surpass them. The Gladiolus thrives in nearly all soils if well enriched and the location fully open to the sun. Bulbs may be planted by the middle of April and as late as the first of June, but for late planting large bulbs are much preferable. Plant four or more inches deep and from four to eight inches apart as taste suggests. To be thoroughly appreciated Gladioli should be planted in large quantities. Our own experience has been that interest increases in proportion to the area planted. For several years we have been growing our own bulbs and are therefore in a position to know just what we have to offer, with the exceptions of the second size noted of some mixtures, all the stock offered is of first size—large, sound and healthy bulbs. Please note however that by "first size" we do not mean that all bulbs are of equal size, for some of the best varieties do not produce the largest bulbs. The second sized bulbs which we offer are however in no sense inferior, but are, especially when a large quantity is desired really preferable to the first size because so much cheaper. All are of blooming size, and while the spikes will not average as large the first year, the bulbs will grow to full size and be fully equal for planting the following season to those obtained by planting larger bulbs the first. They are the size we use for our own planting and were their value known they would be much more largely used by customers.

Dozen and one hundred prices include postage. Six sent at dozen rate; 50 at 100 rate; 250 at 1000 rate. If desired to be sent with other articles by express, 5c per dozen or 35c per 100 may be deducted from prices quoted.

## New Pink Gladiolus "America."

This beautiful variety of comparatively recent introduction has already become extremely popular and we believe is destined to increase rapidly in favor as it becomes more widely known. Not only because of the lovely color, large size and fine form of the flowers but also because of the remarkably vigorous and healthy habit of the plant. The large flowers are borne on strong, thick, straight spikes from two to three feet high, several are open at once and all face one way. In color they are a soft, very light lavender-pink, distinct from any other Gladiolus. They are the perfection of form and no other variety surpasses this in keeping quality when cut. The foliage is unusually luxuriant and the bulbs like those of all vigorous growing varieties are large and healthy and increase faster than those of weaker-growing sorts. Each, 10c.; doz., \$1.00.

**BARON HULOT.** (Blue Jay.) A new variety of the Lemoine type but flowers are larger and more open than most of that class. Rich deep violet, more nearly approaching blue than any other variety. Each 12c.; doz., \$1.25.

**BRENCHLEYENSIS.** A popular old variety, extensively used for bedding where one color is desired and for planting among shrubbery. Scarlet. Doz., 25c.; 100, \$1.50.

**CANARY BIRD.** This variety of the Gandavensis type is, with possibly one exception, the only pure yellow with but faint markings. Of the thousands of distinct varieties and seedlings it appears strange that there are not more, but with all the great diversity of Gladioli, varieties approaching self-colored are few and those of this color are even more rare. The flowers, like

most of this type, are not large, the spikes are of but medium length, but the flowers are of good form, regularly arranged and all face one way, while the spikes are stiff and erect. Each, 10c.; doz., \$1.00.

**GIANT PINK.** Very large flower; dark pink with markings of dark red in the throat. Spike long with numerous flowers closely set and many open at once. Each, 12c.; doz., \$1.25.

**HOLLANDIA.** A new variety which surpasses most others in length of spike and bearing an unusual number of well arranged flowers, many of which are open at once. A lovely pink shade, tinted yellow. Each, 10c.; doz., \$1.00.

**KLONDYKE.** A new and lovely variety; pale yellow with large blotch of vivid crimson-maroon in throat. Of medium size and form somewhat similar

to the Lemoine type but more open and therefore more desirable. The spike though rather slender is wiry and straight; the foliage strong and healthy. The plant blooms early and often throws two or more spikes, which considerably lengthens the period of blooming. Each 10c.; doz., \$1.00.

**MAY.** An old, very attractive and popular variety. Fine, long spike of medium sized flowers nearly all of which open at once. White, much flaked and blotched with rosy crimson. Doz., 35c.; 100, \$2.15.

**OCTOROON.** A beautiful old variety. Buff-pink, distinct. Each, 8c.; doz., 75c.



**PRINCEPS.** (A new Giant-Flowered Variety.) This new variety under good cultivation grows 3½ to 4 feet high and is of exceptionally strong growth. The flowers are of immense size, well expanded and of the desired circular form. Color rich red with intense shadings in the throat and white blotches across the lower petals. The spike is stiff, always straight and notwithstanding that like all large flowered varieties there seldom are over four flowers open at once, owing to its height and habit of all buds opening even to the smallest, it produces a large number of flowers. The buds open well in water, and for effective display in large vases few varieties equal it. Each, 12c.; doz., \$1.25.

**PROPHETESSE.** A fine new variety. Large flowers of good form, pearly white with crimson throat. Of healthy, vigorous growth, blooms early and increases rapidly. Each 12c.; doz., \$1.25.

**SNOWBANK.** A selection from White Sandersoni. Pure white except slight stain of camellia at base of petals. Flowers of medium size. A lovely variety. Each, 10c.; doz., \$1.00

# Groff's Hybrid Gladioli

NOTED THE WORLD OVER FOR THEIR BEAUTY, WONDERFUL DIVERSITY AND VIGOROUS HABIT OF GROWTH.

Groff's Hybrid Seedlings  
Groff's Silver Trophy Strain  
Groff's Gold Medal Collection

## GROFF'S HYBRID SEEDLINGS

Since its introduction these have been very popular and for the past few years have been more extensively grown than any other class. As first introduced they lacked white and light varieties; we have however been able to add from time to time some of these and the mixture as now offered is, because of this addition, superior to those generally offered under this name and surpassed only by the later introductions following. Doz., 35c.; 100, \$2.10; 1,000, \$14.00. Second size, doz., 20c.; 100, \$1.20; 1,000, \$7.00.

## GROFF'S SILVER TROPHY OR WORLD'S BEST STRAIN

This strain with its three sections comprises a much greater diversity than the preceding. While Section 1 comprises varieties somewhat similar, but of superior excellence, Sections 2 and 3 are especially desirable additions, Section 2 supplying a lack to which reference has been made, while in Section 3 are varieties previously not found in any other commercial strain.

1. NEWEST REDS, SCARLETS, AND CRIMSONS. Doz., 50c.; 100, \$3.00.
  2. NEW WHITE, LIGHT AND YELLOW. All shades of white, cream and yellow in many combinations, relieved by stains and blotches of rich colors in most pleasing contrasts. Doz., 55c.; 100, \$3.50.
  3. RARE BLUES, IN CLEMATIS, LILAC, AND HELIOTROPE SHADES. New Hybrids of Papilio Major, practically unknown. Not to be found in any other strain. Doz., 70c.; 100, \$4.35.
- SILVER TROPHY STRAIN—MIXED. A mixture of above in well balanced proportions. Doz., 50c.; 100, \$3.00.

## GROFF'S GOLD MEDAL COLLECTION

This new collection is the best and latest product of years of costly effort and the result of scientific hybridization from the most valuable material the world has known. Every desirable section known is represented—Gandavensis, Lemoine, Nanceianus, Blues, and New Hybrids. The flowers are of the largest size in their respective types, the spikes of correct form, with plants of exceptional vigor and vitality. The White, Light, and Yellow shades are of the purest colors obtainable, relieved in many varieties by stains and blotches of most intense and decided contrast.

The Pink, Red, Scarlet, Crimson, and Cerise shades are of the highest quality with flowers of the largest size and greatest perfection.

The New Blues, including tints of Lilac, Heliotrope, and Clematis, were never before offered in mixture. Doz., \$2.00; 100, \$12.00.

## WORCESTER MIXTURE

Since we began to offer this mixture it has been our constant aim to make it one of the greatest diversity not only in regard to color but of type or form as well; it therefore includes selections from all classes not only the large flowered varieties but also some of the smaller desirable varieties. Though the latter were originally included for the reason indicated, due attention has been given to the inclusion of a larger proportion of the later introductions having large flowers. Especial attention has also been given to colors and it will be found to be well balanced including a good proportion of white and light colors in which many mixtures are deficient. It has also been our intention to make the mixture one of the highest quality possible, consistent with price, and whenever purchasing new introductions we have always had in mind that eventually, when our increase would warrant, these would become a part of this mixture. We have not spared expense in the purchase of such and from time to time have added the product of many high priced varieties. We consider it the best value we offer. Price, doz., 45c.; 100, \$2.75; 1,000, \$20.00. Second size, doz., 25c.; 100, \$1.50; 1,000, \$9.00.

## LEMOINE HYBRIDS, SPOTTED OR BUTTERFLY GLADIOLI

As first introduced, the flowers of this class were small and bell-shaped, but their gorgeous coloring and peculiar marking, distinct from any other class then in existence and which gave them the name of Butterfly, made them at once popular, and this type is yet a favorite with those who prefer rich and striking coloring to size. There has been however a great improvement made in the class and in the extra mixed Lemoine there are many varieties of good form, which are larger than the average Gandavensis and which approach in size the later introductions of other classes, while still retaining to a considerable extent the rich markings of the earlier introductions.

Lemoine Hybrids, Mixed, doz., 20c.; 100, \$1.20; 1,000, \$7.00.

Lemoine Hybrids, Extra Mixed, doz., 35c.; 100, \$2.10; 1,000 \$14.00.

## CHILDSI, or GIANT-FLOWERED GLADIOLI

A very large-flowering class of unusually vigorous growth and luxuriant foliage. The spikes are very long and thick, strong and straight, superior in latter respect to many of the large-flowered varieties of other classes. The flowers are of fine form and great substance. The range of coloring is good with the exception of the lack of white and light sorts and the smoky shades admired by some are more prevalent in this class than in any other while many varieties are flaked in a manner peculiar to this class. Doz., 35c.; 100, \$2.10; 1,000 \$14.00.

Second size, doz., 20c.; 100, \$1.20; 1,000, \$7.00.

## NANCEIANUS A New Race of Giant-Flowered Gladioli

The spikes of this new race grow taller than those of any other class but are unfortunately like the Lemoine, rather slender and inclined to become crooked by the weight of the enormous flowers. Like the Childsi there are but few white and light sorts and unlike that there are but few of the soft delicate pink and light scarlet shades approaching self-colored, so common in that class. The dark colors however surpass in richness those of any other class as does the peculiarly beautiful mottling in the throats. These features largely counter balance the objections mentioned and make the class a desirable one. Doz., 35c.; 100, \$2.10; 1,000, \$14.00.

## CHOICE MIXED

This mixture at first contained only a fine assortment of the old type (Gandavensis) varieties but from time to time we have added other mixtures and varieties of more modern type making a mixture of great diversity containing a good proportion of White and Light varieties and well balanced generally. It has been our purpose to make the Choice Mixed as much like the Worcester as possible for the price and as with that, our work has been one of constant improvement; it is of greater value now than ever before.

Doz., 30c.; 100, \$1.85; 1,000, \$12.00. Second size, doz., 20c.; 100, \$1.20; 1,000, \$7.00

## WHITE AND LIGHT SHADES

CHOICE MIXED. A choice mixture of white and light varieties only. Doz., 30c.; 100, \$1.85; 1,000, \$12.00.

EXTRA WHITE AND LIGHT MIXED. A superior mixture of these shades containing the best old varieties and new hybrid seedlings. Doz., 40c.; 100, \$2.40; 1,000 \$17.00.

We grow our own Gladioli and are able to offer at Lower Prices than are usually quoted. Remember when comparing prices that if ordered to go by express or purchased at counter 5 cents per dozen or 35 cents per hundred is to be deducted from prices quoted.



# DAHLIAS

A Selection of Choice Varieties.  
The Best of the New and Old.

All dahlias are sent postpaid at prices quoted. If desired by express 10 cents may be deducted from dozen price.

## SHOW AND FANCY DAHLIAS Each 15c., dozen \$1.50 except where otherwise noted.

**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 or tips

**FANCY DAHLIAS** include all striped, large, close-flowering varieties and those in which the ground color is darker than the edges. These varieties are, however, somewhat variable and often show but a single color.

A. D. LIVONI, shell pink, fine. Each 10c., doz. \$1.00  
ALICE EMILY, Yellow, large and full, one of the best.

ARABELLA, pale primrose, shaded old rose and lavender.

DR. J. P. KIRKLAND or CUBAN GIANT, dark crimson, of fine form and largest size; blooms freely. Each 20c., doz. \$2.00.

FASCINATION, rose-pink, sometimes striped white, fine.

HECTOR, light orange-scarlet, large and of fine form.

IMPERIAL, deep purplish maroon, extra fine.

JOHN THORP, deep pink, large.

KEYSTONE, pinkish lilac, striped crimson.

LOTTIE ECKFORD, creamy white, striped pink and crimson.

LUCY FAWCETT, pale yellow, striped deep pink.

MARGARET BELL, light magenta, excellent.

METEOR, bright red, very large.

MRS. DEXTER, very large, a rich shade of salmon.

MRS. LANGTRY, cream-peach and purple, of medium size, very full, excellent.

MRS. SAUNDERS, light yellow, tipped white.

ORATOR, salmon buff, large.

PEARL, white, deeply edged rose, large.

PRINCESS BONNIE, light lemon, almost white, fine.

PURITAN, white, striped maroon.

ROBERT BROOMFIELD, pure white.

ROBIN ADAIR, terra cotta.

STATESMAN, deep crimson.

STORM KING, pure white, of medium size but blooms profusely, very desirable.

WILLIE AUSTIN, fawn, large.

## CACTUS DAHLIAS of Special Merit Except where otherwise noted Each 20c. Doz. \$2.00.

BEATRICE, pale rose, large, a lovely variety.

BRITANNIA, soft salmon-pink, large extra fine and very profuse.

BRUNHILDE, rich plum color, long and loosely arranged petals, a fine variety and very profuse.

COUNTESS OF LONSDALE, a pleasing blending of salmon-pink and amber, of finest form, flowers profusely under all conditions and is perhaps the most desirable of all cactus varieties.

CHAS. WOODBRIDGE, rich purplish crimson, excellent.

DAINTY, lemon yellow, tips of petals golden, base rose pink. Each 30 cents doz. \$3.00.

FLORODORA, wine crimson, extra fine. Each 25 cents, doz. \$2.50.

GEN. BULLER, rich velvety crimson, white tips.

JEALOUSY, clear bright yellow, extra fine. Each 25 cen's, doz. \$2.50.

KREIMHILDE, soft pink, center nearly white.

LORD ROBERTS, creamy white.

MRS. H. J. JONAS, scarlet, tipped white.

MAD. DE LUCCA, golden yellow, tipped orange. Each 25 cents, doz. \$2.50.

RING DOVE, pinkish fawn or dove color, tipped white.

STANDARD BEARER, fiery scarlet, one of the best.

STELLA, rich vivid crimson, extra fine. Each 25 cents, doz. \$2.50

VESTA, clear pink.

VISCOUNTESS SHEARBROKE, reddish terra cotta. Each 25 cents, doz. \$2.50.

WINSOME, cream white, incurved petals, distinct. Each 25 cents, doz. \$2.50.

## CACTUS DAHLIAS Choice Standard Varieties Each 15 cents, Doz. \$1.50

AUNT CHLOE, very dark maroon approaching black, excellent.

ARACHNE. This derives its name meaning spider, from the peculiar curled and twisted petals and is of very unique form. The petals are creamy white, edged with a broad band of crimson. The color however, varies as much as the form; rarely two alike

BRIDESMAID, rose, center pale primrose.

CANNELL'S GEM, deep orange.

CAPSTAN, soft brick-red, shaded apricot, with the exception of Countess of Lonsdale the most free blooming variety.

CORNUCOPIA, deep reddish salmon, fine.

DR. JAMESON, deep crimson, extra fine.

EARL OF PEMBROKE, bright plum, profuse.

INOVATION, rich crimson, tipped pure white.

ISLAND QUEEN, light mauve.

RING EDWARD VII, bright cherry red.

KEYNE'S WHITE, pure white, good.

MARY SERVICE, pinkish apricot or heliotrope, fine.

MRS. BARNES, long twisted, narrow petals, lovely clear primrose, shading to a pale rosy pink.

MRS. BENNETT, soft crimson, large of fine form, broad but well-curved petals.

MRS. CHAS. TURNER, yellow, large, one of the best of its color.

OCTOPUS, nearly white, slightly tinged lavender.

PORCUPINE, deep crimson, shaded darker.

STRAHLEIN KRONE, intense cardinal red, very rich, petals long and twisted, blooms very early and profusely.

ST. CATHARINE, True Cactus, with long spiral, pointed petals; very large; deep yellow, shaded red.

THE CLOWN, soft brick-red, sometimes tipped white.

## DECORATIVE DAHLIAS Each 15 Cents, Doz. \$1.50 unless otherwise noted.

This class includes all large loose flowering varieties which do not properly belong to the Cactus class. They are of very free blooming habit and flowers are usually of the largest size.

AMPHION, chrome yellow.

BEAUTY OF BRENTWOOD, plum, striped darker.

CATHERINE DUEK, a beautiful glowing red. Each 20 cents, doz. \$2.00.

CLIFFORD W. BRUTON, yellow, large and fine.

DOLLY, flesh color, tipped darker.

GRAND DUKE ALEXIS, pure white, faintly tinged with rosy lavender at tips of petals, large, petals quilled. Each 20 cents, doz. \$2.00.

HIMMLISCHE, very deep lavender approaching blue. Each 20 cents, doz. \$2.00.

LYNDHURST, rich cardinal red.

MAID OF KENT, cherry red, usually tipped white but variable.

MARCHIONESS OF BUTE, pure white, tipped rosy carmine.

MME. VAN DEN DAEL, finest soft pink. Excellent for cutting. Each 20 cents, doz. \$2.00.

MISS BARRY, deep purple.

MRS. ROOSEVELT, the flowers of this grand variety are of enormous size, generally over six inches in diameter, sometimes eight, always perfectly double and very seldom have other than perfect center; color a delicate bluish-pink, shading to clear soft pink. That which makes this variety especially desirable is the combination of largest size and a great production of perfect flowers. Each 30 cents.

MRS. WINTERS, a fine white variety, excellent for cutting. Each 20 cents, doz. \$2.00

NYMPHAEA (Water Lily), shrimp-pink shading lighter toward tips of petals.

ORAN, rosy-lavender, suffused silvery fawn, extra fine.

WM. AGNEW, rich, dazzling carmine red, large and fine.

ZULU, very dark maroon.

## Pompon or Bouquet Dahlias Each 12c., dozen \$1.25

Small flowered varieties, the best of all for cutting, blooming more freely and usually having extra long stems.

ACHILLES. Pale lilac, finely quilled.

ARIEL. Orange-buff.

ALEWINE. Delicate pink, tinted lilac.

BOBBY. Plum color.

CATHERINE. Bright yellow.

DARKNESS. Dark maroon.

FAIRY QUEEN. Sulphur yellow, edged pink.

FASHION. Bright orange.

H. C. WINTERS. Pale fawn.

LITTLE BESSIE. Creamy white.

MAY CLIFT. Light maroon.

MABEL. Salmon-pink, fine.

PURE LOVE. Lilac.

PRINCE CHARMING. Cream, tipped purple.

SNOW CLAD. Small white, free.

VIVID. Bright scarlet.

## Mixed Dahlias

Dozen 90 cents, Hundred \$6.25

These include some of our best varieties, those of which labels have been lost and at times varieties of which we have a surplus. While all classes are usually included we give no guarantee that any lot sent out will include all, nor should it be understood that customer is privileged to order those of any one class. We shall however endeavor to send a good assortment of colors and are sure the mixture will be found very satisfactory.



## BEGONIAS Tuberous Rooted

These are perhaps the most beautiful of all low-growing bedding plants and are not, as commonly thought, of difficult growth. They require however a rich mellow soil, a location shaded from the direct rays of the sun during the hottest part of the day, and plenty of water. Tubers should be started early in the house and plants set in the open ground about the first of June. They will bloom soon and profusely and continuously until frost. The tubers can then be lifted and stored in dry sand in a moderately warm place.

**SINGLE VARIETIES.** White, Pink or Rose, Red and Yellow. Each, 5c. Doz., 50c. Postpaid.

**DOUBLE VARIETIES.** Same colors. Each, 12c.; 4 for 45c. Doz., \$1.25 Postpaid.

## Caladium Esculentum ELEPHANT'S EAR

A very large-leaved tropical plant of rapid growth. In warm, rich, moist soil large bulbs will send up several stalks about five feet high with leaves two and one-half to three feet long and about twenty inches wide. Very ornamental, planted either singly or in groups.

Mammoth Bulbs. Each 25c., 3 for 65c., doz. \$2.40.  
Large Bulbs. Each 15c., 3 for 40c., doz. 1.40.  
Second Size Bulbs. Each 10c., 3 for 25c., doz. .90.

If desired by mail add for postage 15c., 10c., and 7c., each according to size.

## TUBE ROSE

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

**EXCELSIOR DWARF PEARL.** This is an improved strain, plant is of dwarf habit, blooms earlier and flowers are more double than old strain. Our bulbs are sure to please.

**EXTRA LARGE BULBS.** Each, 4 c., 3 for 10c., doz. 40c., 25 for 70c., postpaid. By express, 50 for \$1.00; \$1.75 per hundred.

**MEDIUM SIZE.** Each 3c., 4 for 10c., doz. 25c., 25 for 45 c., postpaid; 100 by express \$1.35.

## CANNAS. Best Standard Varieties

Strong dormant roots. Price, except where otherwise noted. Each, 10c.; doz., \$1.00, postpaid. By express, doz., 90c.

Except where otherwise described all the varieties have green foliage.

**ALPHONSE BOUVIER.** Brilliant crimson, deeper when fully open. 6 feet.

**ALSACE.** Delicate sulphur yellow, changing soon to creamy-white. 4½ ft.

**AUSTRIA.** A fine variety of the orchid-flowered or Italian type. Canary yellow; large handsome foliage. 5½ ft.

**BRANDYWINE.** One of if not the best of all bronze-leaved varieties. Foliage luxuriant and of the darkest hue. Flowers large, intense wine red, beautifully mottled with deep crimson; two or three petals are sometimes narrowly edged with bright gold. 4 to 5 ft. Each, 15c.; doz., \$1.35.

**CHAS. HENDERSON.** Deep but brilliant crimson. 4 ft.

**FLORENCE VAUGHAN.** Yellow, spotted with red. One of the best. 4 ft.  
**GRAND ROUGE.** A gigantic dark-leaved variety. Very desirable for massing; bears freely bright scarlet flowers which add to its value. 7 to 8 ft.

**ITALIA.** Beautiful orchid-like flower, center brilliant red, wide, irregular margin of yellow. 5 ft.

**LOUISIANA.** A strong vigorous-growing variety, attaining a height of seven feet, producing a dense mass of glossy, green foliage and vivid scarlet flowers of largest size. Each, 15c.; doz., \$1.35.

**LURAY.** Large well-formed flowers of a very attractive rosy pink. 3½ to 4 ft.

**MADAME CROZY.** A very popular variety. Crimson scarlet, bordered with yellow; foliage broad and massive. Often blooms when a foot high. 4 ft.

**MRS. KATE GRAY.** A grand variety of the orchid-flowered type; flowers of immense size, orange-scarlet, flaked with yellow. 6 ft. Each, 15c.; doz., \$1.35.

**PREMIER.** Deep crimson-red, bordered yellow. 3 ft.

**QUEEN CHARLOTTE.** Bright orange-scarlet, wide edge of golden-yellow. 4 ft.

**ROBUSTA.** A popular dark-leaved variety. 7 to 8 ft.

**SHENANDOAH.** A splendid red or bronze-leaved sort, beautifully veined and tinted, and bears fine large trusses of salmon-pink flowers. Unlike most other dark-leaved cannas blooms early and abundantly. 6 ft.



## PEONIES The Queen of Spring Flowers

This old time favorite has again become popular, and deservedly as while it may have rivals blooming at other times of the year no other plant blooming at the same time can compare with the Peony in magnificence. It is as well of the easiest culture thriving in nearly all soils, in locations either open to the sun or in partial shade, is of the hardiest nature, requiring no protection whatever, and is never troubled by insects or disease. In fact once planted it will largely take care of itself, the plant increasing in size and productiveness yearly. We offer strong roots of the choicest varieties.

Price, unless otherwise noted, each, 60c.; per 10, \$5.00. By express only.

### DOUBLE VARIETIES.

FESTIVA MAXIMA. White, rare and scarce. \$1.00 each.  
FORMOSA ALBA. White  
FRANCOISORTEGAL. DarkCrimson.  
HUMEI. Rose.  
MARIE LEMOINE. White.  
NE PLUS ULTRA. Pink.  
OFFICINALIS ALBA. White.  
" Rubra. Red.  
QUEEN VICTORIS. Blush.  
TENUIFOLIA FLORE PLENO. Red, 75 cents each.

NELLI PLEAS. Rose.  
PHORMIS. Deep Red.  
RUBRA TRIUMPH. Dark Red.  
ZOE CALOT. Rose.  
LUTESCENS. White.  
GEN. BERTRARD. Light Rose.  
WASHINGTON Light Red.  
LILACINA PLENISSIMA. Flesh.  
GRANDIFLORA ROSEA. Light Rose.  
COMTE DE DIESBACH. Dark Red.  
LOUIS VAN HOUTTE. Dark Red, 75 cents each.

### SINGLE VARIETIES.

JOSEPHINE. Rose.  
LARISSA. Pink.  
MARDONIUS. Crimson.  
MEDON. White.

## CINNAMON VINE

A beautiful hardy climber of extremely rapid growth. Growing the first season from 15 to 30 feet and when the root becomes fully established to a much greater length. The leaves are green with tinge of bronze and are very attractive. The flowers are white, borne in clusters, are of no great beauty, but of a delightful cinnamon-like fragrance. The vine dies at the end of the season but the root is hardy, living for years and increasing in size and vigor each season. Strong 2-year old roots. Each 10c.; 3 for 25c.; doz., 90c. One year old roots, each, 5c.; doz., 50c., postpaid.

## MADEIRA VINE

A rapid growing climber with beautiful thick, glossy, wax-like leaves, and bearing profusely in graceful feathery racemes white flowers which have a fragrance resembling Mignonette. Plant when ground becomes warm. Each, 5c.; doz., 50c., postpaid.

**IRIS.** This is fully as often planted in the spring as the fall. We have a fine stock of both the German and Japanese. For list of varieties and price see our bulb catalog which will be sent on application.



# Hardy Herbaceous Plants



By this we mean plants that are hardy and may be allowed to remain in the open ground during the winter but which the foliage dies down to the ground each autumn, coming up with renewed vigor the following spring. This class of plants is becoming very popular as they require but very little attention and after once planted will last for years. Our collection includes all of the best. If you do not find what you want, ask for it and we can no doubt furnish it.

You can have a perfect wealth of flowers from spring until fall if you plant the right kinds.

These plants grow in beauty, size and value, year by year.

They require less care than most desirable flowering plants, and are adapted for nearly every condition. The months named indicate the time of flowering of each

## HERBACEOUS PERENNIALS.

- Achillea**—Yarrow. *Millefolium*. Rose. June. 2-2 feet.  
Pearl. White. July. 2-2½ feet.
- Aconitum**—Monkshood.  
*Aconitum Nypellus*. Blue. August. 3-4 feet.
- Anemone**—Windflowers.  
*Anemone Japonica alba*. White. Sept. 2-3 feet.  
Var. *Rosea*. Pink. Sept. 2-3 feet.  
Var. *Queen Charlotte*. Double Pink. Sept. 2-3 feet.  
Var. *Whirlwind*. Double White. Sept. 3-4 feet.  
Var. *Rubra*. Sept. 1½-2 feet.
- Anthemis**—Tinctoria. Yellow. June. 1-2 feet.
- Aquilegia**—Columbine.  
*Aquilegia caerulea*. Black and White. Apr. 1-2 feet.  
*Chrysantha*. Yellow. April. 3 feet.  
*Flabellata nana alba*. White. April. 1 foot.  
*Skinneri*. Scarlet. May. 1½-2 feet.
- Aster**—Michaelmas Daisies or Startwort.  
*Novas-Angliae*. Purple. Sept. 3 feet.  
Var. *Mrs. F. W. Raynor*. Red, Violet. Sept. 4 feet.  
Var. *White Queen*. White. Sept. 3-4 feet.
- Boltonia**—*Boltonia Latisquama*. Pink. Aug. 4-5 feet.
- Campanula**—Bell Flowers or Blue Bells.  
*Campanula carpatica*. Blue. July. ½ foot.  
*Medium*. Canterbury Bell. Blue. May. 1-2 feet.  
*Persicifolia*. Peach-leaved Bell flower. Blue. June. 1-1½ feet.
- Coreopsis**—*Coreopsis lanceolata grandiflora*. Yellow. May. 1-1½ feet.
- Delphinium**—Perennial Larkspur.  
*Delphinium Chinense*. Blue. June. 1½-2 feet.  
*Elatum*. English Hybrids. Blue. June. 4-5 feet.  
*Formosum*. Indigo. June. 2-3 feet.
- Dicentra**—Bleeding Heart or Dutchman's Breeches.  
*Spectabilis*. Pink. May. ½ foot.
- Dictamnus**—Gas Plant. *Fraxinella*. Red. May. 1-2 feet.
- Digitalis**—Foxgloves. *Grandiflorus*. Yellow. June. 2-3 feet.  
*Purpurea*. Com. Foxglove. Purple. June. 2-3 feet.
- Echinacea**—*Purpurea*. Purple. July 2-3 feet.
- Gaillardia**—*Grandiflora compacta*. July. 1½ feet.
- Gypsophila**—Baby's Breath. *Paniculata*. White. July. 1½ ft.
- Heienium**—Sneezwort.  
*Helenium autumnale superbum*. Yellow. Aug. 3 ft.

- Helianthus**—Sunflowers.  
*Mollis*. Yellow. Aug. 3 feet.  
*Multiflorus*. *maximus*. Yellow. Aug. 5-6 feet.
- Heuchera**—Alum Root.  
*Heuchera sanguinea*. Scarlet. May. ¾-1 foot.
- Liatris**—*Liatris spicata*. Purple. July. 2-3 feet.
- Linum**—*Linum perenne*. Blue. June. 1½ feet.
- Lobelia**—Cardinal Flower.  
*Lobelia cardinalis*. Cardinal. Aug. 1½ feet.
- Lupinus**—Lupine.  
*Lupinus polyphyllus*. Purple. Apr. 2-3 feet.
- Lychnis**—Lamp Flower or ragged Robin.  
*Lychnis chaldedonica*. Scarlet. Lightning Scarlet. July. 3 feet.
- Lythrum**—*Roseum superbum*. Rose. July. 4-5 feet.
- Monarda**—Bergamot.  
*Monarda didyma spendens*. Scarlet. July. 1-2 feet.  
*Fistulosa alba*. White. July. 2-2½ feet.
- Papaver**—Poppy.  
*Papaver nudicaule*. Iceland Poppy. May. ¼ foot.  
*Orientalis*. Oriental Poppy. Scarlet. June. 2-3 ft.
- Platycodon**—Japanese Bell Flowers.  
*Platycodon grandiflora*. Blue. June. 2 feet.  
Var. *alba*. White. June. 2 feet.  
*Mariesii*. Blue. June. 1½ feet.
- Polygonum**—*Cuspidatum*. White. Aug. 5-6 feet.
- Pyrethrum**—*Roseum* and *Uliginosum*. June. 1-1½ feet.  
White. Aug. 2-2½ feet.
- Ranunculus**—Double Buttercup. Yellow. April. 1-1½ feet.
- Rudbeckia**—*Fulgida*. Orange. Aug. 1½-2 feet.  
*Newmanni*. Black-eyed Susan. Orange. Aug. 1½-2 ft.
- Sedum**—*Spectabilis*. Pink. July. 1 foot.
- Stokesia** or **Stokes Aster**.  
*Stokesia cyan a*. Blue. June. ¾-1 foot.
- Tritoma**—Red Hot Poker.  
Var. *Pfitzeri*. Coral. July. 1-1½ feet.

UNIFORM PRICE ON ALL.  
Extra Strong field grown Plants.

Single plants of any variety 25 cents.

10 plants of any varieties	.....	\$ 2.00
100 " in 10 "	.....	18.00
100 " " our selection	.....	15.00





This illustration shows how at a very small expense the surroundings of any home, even a very small cottage, may be changed by planting a few hardy shrubs and herbaceous plants.

This view was taken from the Nurseryman's exhibit, made at the New England Fair in 1907. The place where this portable house was located was a barren field without a shrub or flower three days before the Fair.

# HARDY FLOWERING SHRUBS

Our prices include boxing and bundling and delivered free at any express office or freight depot in this city. Please keep your orders for nursery stock separate from other goods so they can go on a separate shipment.

- Almond.** Double white and pink. 2 to 3 ft., 75c. each.
- Althea.** Double white, purple, red and variegated. 2 to 3 ft., 50c. each; 3 to 4 ft., 75c. each.
- Azaleas.** Ghent Hybrids, perfectly hardy, and of many brilliant colors. June. 18 to 24 in., \$1.50 ea.  
Mollis. A new type, flowering earlier than the Ghent, and in color and form approaching the Indian varieties. 18 to 24 in., \$1.00 ea.; 2 to 3 ft., \$1.50 ea.
- Calycanthus.** The wood is sweet scented. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Clenthra.** Erect spikes of flowers in August. 12 to 18 in., 35c. ea.; 18 to 24 in., 50c. ea.
- Corchorus.** A slender shrub, with small yellow flowers.
- Cornus.** Sanguinea. Greenish-white flowers. 2 to 2½ ft., 35c. ea.; 3 to 4 ft., 50c. ea.  
Elegantissima. Foliage marked with deep yellow variegation.  
Spaethii. A showy and desirable shrub. One of the best. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.
- Deutzia, gracilis.** Single white flowers. All varieties. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Pride of Rochester. Double white flowers, tinged with pink.  
Crenata. Clusters of single white flowers.  
Lemoinei. New variety, said to surpass them all.  
Scabra. Single white flowers.
- Elaeagnus Longipe.** A Japanese shrub, large, bright-red berries. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Exochorda.** A new shrub from North China. 3 to 4 ft., 50c. ea.; 4 to 5 ft., 75c. ea.
- Forsythia.** Blossoms a rich golden color. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Hydrangea.** Paniculata Grandiflora. Produces great masses of double flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Hyericum Aureum.** A low shrub, with small yellow flowers. 2 to 3 ft., 75c. ea.  
Rhodotypus Kerroides. A handsome shrub, with snowy-white flowers. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.
- Lilacs.** Persia. Dense clusters of deep lilac flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Persica Alba. White flowers with dark throats. Fragrant.  
Vulgaris. The common Lilac. Fragrant purple flowers.  
Vulgaris Alba. Common White Lilac. White flowers.
- Privet.** Ibota. A new and valuable shrub, and extensively used for hedges. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.

- Pyrus Japonica.** Bright scarlet flowers in profusion. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Rhodotypus.** Flowers like small white roses. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.
- Rhuscotinus.** (Purple Fringe.) Covered with reddish seed-vessels, like a purple mist. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Rhus Glabra Laciniata.** Cut leaved, green in summer, changing to scarlet in the fall, with fern-like appearance. Each, 50c.
- Sambucus Aurea.** Foliage bright golden yellow. 2 to 3 ft. 35c. ea.; 3 to 4 ft., 50c. ea.
- Spiraea, Anthony Waterer.** Bright, rosy Crimson flowers. 18 to 24 in., 35c. ea.; 2 to 3 ft., 50c. ea.  
Arguta. White flowers. Very hardy. 18 to 24 in., 35c. ea.  
Prunifolia. Small daisy-like white flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Thunbergii. White drooping flowers. 18 to 24 in., 25c. ea.; 2 to 3 ft., 50c. ea.  
Van Houttei. Snowy-white flowers. Graceful shrub. 3 to 4 ft., 50c. ea.; 4 to 5 ft., 75c. ea.
- Stephanandra Flexuosa.** White flowers in spikes along the branches. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.
- Symphoricarpus.** Desirable shrub for winter berries.  
Racemosus. Rose-colored flowers in racemes. White berries in winter. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.  
Vulgaris. Flowers succeeded by dark-red berries. 2 to 3 ft., 35c. ea.; 3 to 4 ft., 50c. ea.
- Syringa Aurea.** Golden yellow foliage. A choice dwarf shrub 18 to 24 in., 50c. ea.  
Coronarius. White highly-scented flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Grandiflora. A tall showy shrub. Fragrant flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Viburnum.** A choice bush of flowers; ought to be in all collections. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Opulus. It's red berries resemble cranberries. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Opulus Nana. Very dwarf, round and compact. 8 to 12 in., 50c. ea.; 16 to 18 in., 75c. ea.  
Plicatum. Large balls of double, pure white flowers. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Tomentosum. Flowers pure white, single flower along the branches. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.
- Weigelia.** Trumpet-shaped flowers. All shades and colors. 2 to 3 ft., 50c. ea.; 3 to 4 ft., 75c. ea.  
Candida. Pure white flowers in profusion.  
Rosea. Rose-colored flowers.  
Variegated-leaved. Flowers pink and white.

**Hollyhocks.** A perennial border of formal garden is incomplete without a good share of these stately perennials. We have a good collection of extra strong field-grown plants. **Single Mixed, Double Yellow, Double Red, Double Pink, Double White.** Each 25 cents; per 10, \$2.00; 100, \$15.00.

## Hardy Perennial Phloxes

Phloxes are among the very best of all the herbaceous plants, being very showy, and with the large assortment we offer they can be had in bloom from June until fall. They succeed almost anywhere. The roots we offer are strong, field grown, and will give perfect satisfaction. They should be in every garden. The colors range from bright shades of pink, red, salmon and other distinct colors. Do not fail to plant a bed of Phlox.

## PHLOX

- Boquet Fleuri.** White Crimson eye.  
**Boule de Feu.** Bright Red.  
**Champs Elysee.** Purple Crimson.  
**Caran D'Ache.** Rosey Crimson.  
**Cross of Honor.** Striped Lilac.  
**Coquelicot.** Orange Scarlet.  
**Epoque.** Reddish Violet.  
**Eclair.** Carmine.  
**Fiance.** White.  
**Hector.** Pink.  
**Independence.** White.  
**La Candeur.** White Dwarf.  
**La Cygne.** Salmon Rose, Dwarf.  
**L'Ennement.** Pink.
- Lothair.** Salmon, Red Eye.  
**Le Poie du Nord.** White, Crimson Centre.  
**Lumineaux.** Rose.  
**Mad. P. Langier.** Geranium Red.  
**Matador.** Orange Red.  
**Montgard.** Deep Crimson.  
**Ornament.** Bright.  
**Premier Minister.** Rosy White.  
**Queen.** White.  
**R. P. Struthers.** Bright Pinkish Salmon.  
**Richard Wallace.** White, Rose Centre.  
**Thebaide.** Salmon Red.  
**Terre Neuve.** Gray Lilac.

Price, 25c. each. \$2.00 for 10. \$18.00 per 100.  
Mixed kinds but not named, 100 \$15.00; 25 at 100 rates.



# ROSES

Our list of varieties contains nothing but desirable and distinct kinds.

## Directions for Planting.

If possible select a position sheltered from high winds but open to sunshine. If the soil is not naturally suitable, it can be made so by removing the sub-soil and filling in with good, rich loam and decomposed stable manure well worked in. When planting be sure

and prune all of the bruised roots and branches. Set deep enough to cover the junction of the bud and stock.

During the growing season they should be well sprayed with water, using a hose with high pressure where it is possible.

## HYBRID PERPETUAL ROSES.

ABEL CARRIERE. Brilliant purplish crimson, vigorous grower.  
ALFRED COLOMB. Bright Crimson, splendid, robust grower.  
ANNE DE DIESBACH. Beautiful carmine, very large and fragrant. One of the best.

BARON BONSTETTEN. Dark Crimson.  
BARONNE DE MAYNARD. White.  
BARONNE PREVOST. Pale rose, large and full.  
BESSIE JOHNSON. Blush White.  
BARONESS DE ROTHSCHILD. Beautiful light rose.

LOUIS VAN HOUTTE. Reddish scarlet.  
MABEL MORRISON. Pure white.  
MME. CHARLES WOOD. Crimson shaded purple.  
MME. GABRIEL LUIZET. Beautiful satiny pink.  
MAGNA CHARTA. Bright pink, suffused with carmine, grand variety.  
MARCHIONESS OF LONDONDERRY. Pure ivory-white, very fine.  
MARGARET DICKSON. Pure white, extra fine.  
MARIA BAUMANN. Carmine.  
MARSHALL P. WILDER. Cherry-rose, mingled with carmine.  
MRS. JOHN LAING. Soft pink, beautiful flower.  
MRS. R. G. SHARMAN CRAWFORD. Rosy pink, fine.  
PAUL NEYRON. Dark rose, fine, extra large flower.  
PAEONIA. Light red.  
PRINCE CAMILLE DE ROHAN. Fiery red.  
ULRICH BRUNNER. Red-cerise, very large.  
WHITE BARONESS. White sport from B. Rothschild.  
AMERICAN BEAUTY. Soleil d'Or.

CAPTAIN CHRISTY. Delicate Rose.  
CLIO. One of the best of the newer varieties; of fine vigorous growth, with rich foliage; large, perfect flowers of globular form; delicate flesh color with pink rosy centers.  
COQUETETE DES ALPES. White.  
COUNTESS OF OXFORD. Carmine.  
DUKE OF TECK. Vivid Scarlet.  
DUKE OF EDINBURGH. Bright Carmine.  
FISHER HOLMES. Lively crimson, a very valuable sort.  
FRANCOIS MACHELLON. Rich Rose.  
FRAU KARL DRUSCHKI. Fine snow white variety, free from any yellow or rose tints. Very good for cutting purposes, buds are lasting.  
GEN. JACQUEMINOT. Glowing scarlet-crimson, superb flower.  
GLOIRE DE MARGOTTIN. Red, full, perfect form.  
JOHN HOPPER. Rose-crimson, fine center.  
JUBILEE. Clear dark red, fine variety.  
JULES MARGOTTIN. Brilliant glossy pink, superb.  
Price, 50 cts. each. \$4.00 for 10.

## CLIMBING ROSES.

BALTIMORE BELLE. White flowers in large clusters.  
CRIMSON RAMBLER. This remarkable Rose originated in Japan. A vigorous grower, making shoots from 8 to 10 feet high in a season. A desirable climbing variety, though it may also be grown in bush form. Flowers hold their beautiful crimson colors a long time without fading, and give a most magnificent effect in contrast to the bright glossy foliage. Entirely hardy and the greatest acquisition among Roses for the last ten years.

DOROTHY PERKINS. Flowers large for this class, borne in clusters of from 10 to 30; very double; color clear shell pink, does not fade and is very fragrant.  
QUEEN OF THE PRAIRIE. Rosy red flowers.  
YELLOW RAMBLER. A promising new yellow climber. Flowers clear yellow, borne in clusters. A strong rapid grower.  
PINK RAMBLER. Clear light-red flowers.  
WHITE RAMBLER. Pure white.

Price, 2 to 3 feet, 50 cents; 3 to 4 feet, 75 cents.

## MOSS ROSES.

This is a favorite class with everyone on account of the beautiful buds which for bouquets and cut flowers are invaluable. They require close pruning and high culture. They are all very hardy. The charm of the Moss Rose is the bud. Such kinds as the Common, Gracilis and Crested, with graceful buds, especially recommended.

COMMON. Free. Pale rose very beautiful buds. A great favorite. Budded plants.  
BLANCHE MOREAU. Pure white, large full. A valuable variety.  
COMTESSE DE MURINAIS. White, tinged with flesh.  
CRESTED. Deep pink-colored buds, surrounded with a mossy fringe and crest; free from mildew. A fragrant, very beautiful Rose.  
CRIMSON GLOBE. Large, full, deep crimson, perfectly globular. A fine variety.

GRACILIS. Free. Deep pink buds, surrounded with delicate fringe-like moss. The most beautiful of all the Moss Roses.  
PERPETUAL PINK. Lovely, long tapering pink buds, elegantly mossed.  
PRINCESS ADELAIDE. Pale rose, of medium size and good form. Do not prune this variety severely.  
SALET. Light rose, large, full, pretty in bud.  
WHITE PATH. White, sometimes tinged with flesh; attractive in bud and open flower. The best white Rose.

PRICE, including all kinds: Extra strong plants, 50 cts. each; \$4.00 per 10; from pots, 75 cts. each; \$6.00 per 10.

**HARDY CLIMBING VINES.** We have a big list of varieties. ASK FOR PRICE.



# FRUITS



There is money in fruit if properly handled and with the present method of spraying the work of caring for an orchard is very simple and no easier money can be made than in growing fruits.

Nearly all farms have different varieties of soil that can be utilized for different fruits.

Our list comprises all of the standard kinds.

Erie, hardy and of good quality.  
 Rathbun, plants hardy, vigorous and a great bearer; fruit very large, black and lustrous and of the highest quality.  
 Snyder, medium-sized fruit; very fine.  
 Wilson, Jr., the largest variety.  
 Wachusett.  
 Agawam.  
 75c. per 10, \$5.00 per 100.

### CURRENTS.

Plant in good soil, keep well cultivated and manured. There are few fruits that will so thoroughly repay for a little extra care.  
 Cherry, rich, red, large and acid.  
 Fay's Prolific, very productive and large.  
 Versailles.  
 White Grape, the best white kind.  
 Black Maples, vigorous, very productive.  
 Black Champion, very large, the best black Currant.  
 \$1.50 per 10, \$10.00 per 100.

### GOOSEBERRIES.

It is best to plant in rich ground, keep well worked and free from weeds. Clean out old wood in spring, and trim to keep bushes in nice shape.  
 Downing, very popular, hardy. 25c. each, \$1.50 per 10.  
 Industry, free from mildew, very prolific. 30c. each, \$2.00 per 10.  
 Smith's Improved, good reliable kind. 25c. each, \$1.50 per 10.  
 Houghton. 25c. each, \$1.50 per 10.  
 Josslyn. 30c. each, \$2.00 per 10.

### RASPBERRIES.

Plant in rows about 5 feet apart and 3 feet between the plants. They like good, rich soil, with plenty of manure. Early in the spring cut out the old wood which bore the last crop of fruit.  
 Cuthbert, excellent variety, productive.  
 Columbian.  
 London.  
 Shaffers.  
 Souhegan.  
 Golden Queen.  
 Gregg.  
 Marlboro.  
 75c. per 10, \$5.00 per 100.

### GRAPES.

Will grow and bear abundantly in any reasonably good soil.  
 Brighton, fine, large round coppery red berries; rich and sweet.  
 Catawba, large bunches; round coppery red berries; rich flavor.  
 Campbell's Early, handsome black berries, with purple bloom; rich sweet flavor.  
 Concord, fine black variety; splendid flavor, reliable and productive.  
 Delaware, violet-red berries; sweet, juicy and highly flavored.  
 Moore's Diamond, greenish white berries, of fine quality.  
 Moore's Early, large round berries; black with blue bloom; very early variety.

## Vegetable Plants.

We are prepared to furnish plants of our own growing, which we know will give entire satisfaction, at the following prices:

- Tomato, leading kinds 25c. doz. \$1.75 per 100
- Lettuce 20c. per doz. 1.25 " "
- Pepper 20c. per doz. 1.50 " "
- Cabbage early kinds 20c. doz. 1.00 " "
- late kinds for general use .75 " "
- \$5.00 per 1000.

Special prices in large lots.

- Celery early kinds 25c. per doz., \$1.50 per 100
- late or winter kinds, \$1.00 per 100
- \$5.00 per 1000.

### STANDARD APPLES.

#### SUMMER.

Early Harvest, straw-colored coat.  
 Red Astrachan, deep crimson, rich.  
 Sweet Bough, greenish, yellow.

#### AUTUMN.

Duchess of Oldenburg, streaked red and yellow.  
 Fall Pippin, yellowish green.  
 Gravenstein, spotted orange crimson.  
 Maiden's Blush, pale yellow.  
 Porter, yellowish white.  
 Fameuse, spotted with crimson.  
 Pound Sweet, shaded crimson.

#### WINTER.

Baldwin, large bright red.  
 Sutton Beauty, large reddish yellow.  
 McIntosh Red, yellowish green.  
 Hubbardston, golden yellow.  
 King, blotched crimson.  
 Northern Spy, red stripe.  
 Rhode Island Greening, greenish yellow.  
 Roxbury Russett, dull green.  
 Talman's Sweet, striped yellow.  
 Yellow Bellflower, pale yellow.  
 Jonathan, med. pale yellow.  
 Stocky trees 50c. each, \$4.50 per 10; extra sized 75c. and \$1.00 each.

### CRAB APPLES.

Gen. Grant, yellow.  
 Transcendent, striped red.  
 Hyslop, large light red.  
 Martha Whitney, round, golden yellow  
 Stocky trees 50c. each, \$4.50 per 10; extra sized 75c. each.

### EUROPEAN PLUMS.

Bradshaw, medium, juicy.  
 Lombard, medium, violet-red.  
 Reine Claude, large, green.  
 Shropshire Damson.  
 Yellow Egg.

### JAPANESE PLUMS.

Satsuma.  
 Abundance, large lemon yellow.  
 Burbank, large, cherry red.  
 Wickson, maroon-red.  
 Red June.  
 Stocky trees 75c. each, \$6.00 per 10

### QUINCE.

Orange, large, yellow.  
 Champion.  
 Meeche's Prolific.  
 Rea's Mam.  
 Bourgeat.  
 Stocky trees 75c. each, \$6.00 per 10.

### CHERRIES.

#### SWEET.

Black Eagle, large, purple.  
 Black Tartarian, large, rich.  
 Coes, Transparent, medium.  
 Gov. Wood, large, yellow.  
 May Duke, large, red.  
 Napoleon Bigarreau, pale yellow.  
 Rockport, bright red.  
 Schmidt's Bigarreau, large.  
 Windsor, liver-colored.  
 Yellow Spanish, yellow.

#### SOUR.

Early Richmond, very productive.  
 English Morello, large, red.  
 Stocky trees \$1.00 each, \$9.00 per 10.

### PEACHES.

#### EARLY.

Greensboro, white, red cheek.  
 Hale's Early, white.  
 Champion, red.  
 Crosby, yellow.

#### MEDIUM.

Crawford's Early, yellow.  
 Elberta, yellow.  
 Morris White, white.  
 Mountain Rose, very juicy.  
 Old Mixon, large, juicy.

### LATE,

Crawford's Late, yellow.  
 Stump the World, late.  
 Ward's Late, white.  
 Price 30c. each, \$2.50 per 10; per 100, \$18.00.

### STANDARD PEARS.

#### SUMMER.

Bartlett, juicy.  
 Clapp's Favorite, large.

#### AUTUMN.

Beurre D'anjou, greenish yellow.  
 Louise Bonne, yellow.  
 Beurre Bosc, large.  
 Seckel, small, and juicy.  
 Sheldon, brown, juicy.  
 Ver. Beauty, highly colored.  
 Worden Seckel, form of common Seckel.

#### WINTER.

Lawrence, lemon yellow.  
 Stocky trees 75c. each; \$6.00 per 10; extra size, \$1.50 each.

### DWARF PEARS.

Beurre D'anjou.  
 Clapp's Favorite.  
 Duchesse D' Angouleme.  
 Kieffer.  
 Lawrence.  
 Seckel.  
 Dwarf trees 75c. each, \$6.00 per 10.

### BLACKBERRIES.

Plant in rich soil in rows 5 feet apart plants 3 part apart. After fruiting season, or better in early spring, cut out all the dead canes. A heavy top-dressing of manure in fall will be conducive to big crops. Keep ground clean.

## STRAWBERRY PLANTS CHOICEST VARIETIES

The plants we offer are of our own growing, are always dug after order is received and carefully packed, insuring delivery to customer in best condition possible. Their condition will be found greatly superior generally to those received from the West or South, the latter being sold so cheaply that the necessary care in preparing them for shipping cannot be afforded. The probably different conditions should be considered when comparing prices. We offer only a few—but the best varieties, and see no reason for offering others inferior in various respects. Varieties marked (p) have imperfect flowers and require to be grown with them some of the others, one row in five of the latter being sufficient.

- |             |                |                |              |
|-------------|----------------|----------------|--------------|
| Glen Mary   | New Home       | Senator Dunlap | Excelsior    |
| P-Haverland | Nick Ohmer     | Chesapeake     | Abington     |
| Hero        | North Shore    | Cardinal       | Almo         |
| Meade       | Parsons Beauty | P-Clyde        | Bismark      |
| Marshall    | P-Sample       | Climax         | Brandywine   |
|             |                |                | Boston Prize |
- Price per Dozen postpaid 50 cts.  
 Price per 1000 by Express \$7.50.  
 Price per 100 by Express \$1.00.  
 Special price on large lots.

POTTED PLANTS READY IN AUGUST. Price, per 100, \$2.50



# GENERAL LIST OF Vegetable Seeds

**SEEDS BY MAIL.** All seeds by the Packet, Ounce and Quarter-Pound, are sent postpaid at prices quoted, but all seeds sold by weight above a quarter-pound, where postpaid price is not given, require an additional remittance for postage at the rate of 8 cents per pound, and those sold by measure—Beans, Peas and Corn where postpaid price is not stated require additional amounts as follows: Beans and Peas, quart 15c., pint 8c., Half Pint, 4 cents. Corn—Quart 10c., Pint 5c., Half Pint 3c. Failure of customers to remit such required amounts will necessitate our sending seeds at our option, either by express at customer's expense, or by mail only such quantity as covered by the remittance less the cost of postage.

**SEEDS BY EXPRESS OR FREIGHT.** It should be understood that when seeds, are sent by express or freight, carriage charges are to be borne by the purchaser.

**SEEDS AT OUR STORE.** Where we have omitted to say in connection with prices "at store or counter" prices are always the same as by express or freight and in case cloth bags are required and prices quoted include bags they are subject to an allowance for bags if customer brings his own as per prices given in the following.

**BAGS FOR SHIPPING SEEDS.** Where after prices no statement is made "Bags or sacks included" it is required that the customer shall remit additional amounts as follows for cost of bags. For 2 bushel cotton seamless 20c. For 2 bushel strong heavy burlap, 10c. For 1 bushel and smaller cotton or extra burlap, 10c.

**FULL CREDIT WILL BE ALLOWED FOR ALL BAGS FOR WHICH PAYMENT HAS BEEN REQUIRED IF RETURNED IN GOOD CONDITION AND NO FURTHER USE HAS BEEN MADE OF THEM, PROVIDING ALL EXPRESS OR FREIGHT CHARGES HAVE BEEN PREPAID.**

## Special Offer to Purchasers of Seeds in Packets.

PURCHASERS OF SEEDS IN PACKETS ONLY, MAY SELECT ADDITIONAL SEEDS IN *PACKETS*, as follows:

For 50 cents, seeds in packets may be selected amounting to 65 cents.	
For \$1.00	\$1.35
For \$2.00	\$3.00

**DO NOT ORDER SEEDS IN BULK EXPECTING THIS OFFER WILL APPLY.**

# ASPARAGUS

**CULTURE.** Asparagus plants or roots can be grown from seed in any good ordinary soil if *well enriched, and thoroughly prepared* by plowing or spading, they however succeed best in deep sandy loam. Seed may be sown in the spring, as soon as the ground can be worked, in drills fifteen inches a part and two inches deep. As the shell of seeds is very hard and germination somewhat slow it is thought advisable to cover seeds with hot (not boiling) water and leave to soak until cool and to repeat this once or twice when they should at once be sown. Owing to the slow germination of seeds and slow growth of young plants great care should be taken that the latter are not choked with weeds, and aside from this danger the growth of these or of any young plants is greatly assisted by frequent shallow cultivation. It is generally advised by writers that plants should be thinned to two or three inches but we do not do this unless by accident the drill has sown more seed than we intended nor do we think it is now customary with large growers. One ounce of seed will sow about 60 feet of drill and produce from 200 to 300 plants.

**CONOVER'S COLOSSAL.** An old standard variety yet largely planted. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 68c., postpaid; by express, lb. 60c.

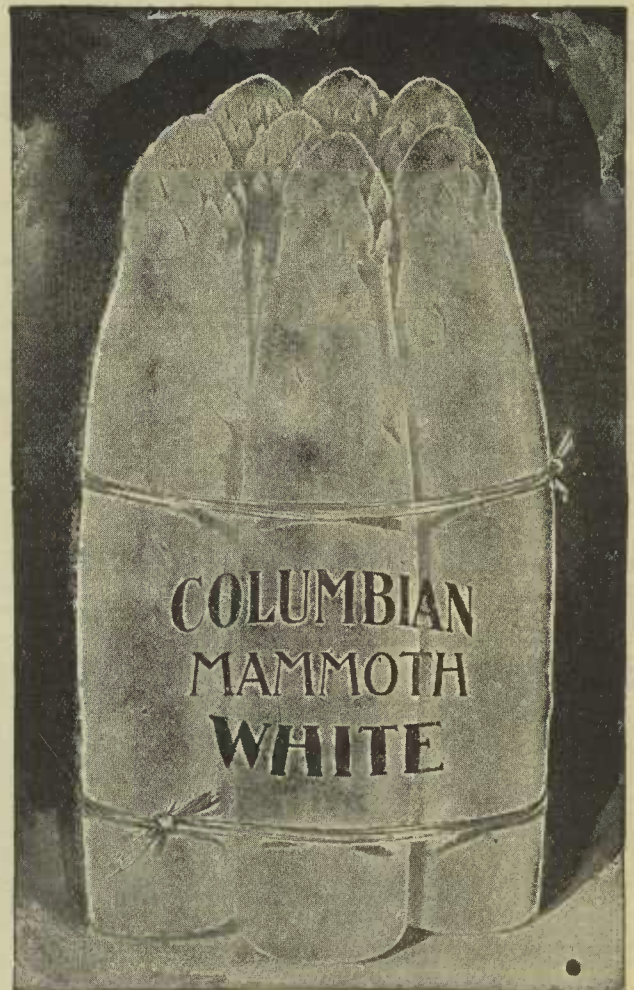
**COLUMBIAN MAMMOTH.** A distinct and valuable variety. Stalks are very large and clear white until three or four inches high. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 83c., postpaid; by express lb. 75c.

**PALMETTO.** Claimed by the introducers to be much earlier and a better yielder than the Colossal and considered by many growers to be less affected by blight. Prices the same as for Columbian Mammoth.

## ASPARAGUS ROOTS.

Uniform prices on the three varieties. Strong two year old roots, by mail postpaid 50 for 70c; by express or freight 100, 75c., 1000, \$5.50.

**CULTURE.** As a crop can be secured one or two years sooner by setting roots than by sowing seed but few prefer the latter. Asparagus roots are deep and rank feeders therefore the bed should be plowed or spaded deeper than for most other crops and heavily enriched, preferably with both stable manure and commercial fertilizer. For field culture, roots should be set in rows five feet apart and eighteen inches apart in the row; in the garden they may be set closer but not nearer than one foot in the row. Furrows should be made eight inches deep; if the roots are well spread the crown will then be about six inches below the level but should be covered with but one inch of soil, and as the plant grows the furrows be gradually filled, the object being to have the crown deep enough to permit cultivation over it without injury to it which cannot be done at time of planting as were the furrow then filled many of the weak shoots would be smothered. The plants should have thorough and frequent cultivation and yearly heavy applications of manure or fertilizer. The third year from setting two or three cuttings may be made, after that all that are possible until the time for early peas. Before the seeds ripen the plants should be cut and removed or burned.





# BEANS

**CULTURE.** All Beans succeed best in warm light soil of at least average fertility. There was never a greater fallacy than that any variety would thrive in sand or poor soil with little or no fertilizer. But few plants are more sensitive to cold and wet, therefore seed should not be planted until the ground is warm and dry. Though market-gardeners often run considerable risk by planting earlier with the hope of securing a crop which would bring high prices it seems hardly advisable for the home garden to incur this risk. We do not consider it safe to plant in this section much if any before the middle of May and if done and followed by especially wet or cold weather the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills from two and one half to three feet and leave plants from four to six inches apart according to habit of growth of the variety. Give frequent but shallow cultivation until time of blossoming. Deep cultivation should be before not after planting. A succession of snap or string beans may be had by two or three plantings allowing two weeks to intervene.

## DWARF OR BUSH. GREEN PODDED VARIETIES.

**EARLY RED VALENTINE.** Vine upright in growth holding pods well up from the ground; uniform in height, hardy, vigorous and productive. Pods round, creased in back, of medium size, thick, solid, tender and of finest flavor, seed of medium size, dull pink marbled with red. Remarkably uniform in ripening; an excellent variety for either home or market garden. Postpaid  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c.,  $\frac{1}{2}$  pk. 70c., pk. \$1.25, bush \$4.50.

**MAMMOTH GREEN POD, STRINGLESS.** Vine vigorous, slightly inclined to run, extremely productive. Pods very long, thick, approaching round, meaty, stringless and of fair quality. Ready for market before the Valentine. On account of its earliness and great productiveness a popular market variety. Seed yellowish brown. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 75c., pk. \$1.40, bush. \$5.00.

**LONG YELLOW SIX WEEKS.** Vine large, of erect and branching habit, very hardy and productive. Pods long, flat, as string beans of only medium quality. Seed long, yellow. An old variety, on account of its hardness popular for first planting and has been considerably used for shelling on account of its earliness. *Prices same as quoted for Valentine.*

**LOW'S CHAMPION.** Vine upright and of rank vigorous growth less liable to mildew or blight than others, very productive. Pods large, broad, borne well above the ground; of only fair quality as a snap or string bean, but when shelled green the large bright red beans are not surpassed in quality by those of any other variety. *Prices same as quoted for Dwarf Horticultural.*

**DWARF HORTICULTURAL.** The most popular variety for shelling green throughout New England. Vine straggling in growth sometimes throwing out tendrils or runners, vigorous, but more liable to blight than some. In favorable seasons productive. Pods thick, broad, flat, of medium length, yellowish green, splashed with red at stage of fitness for green shelled beans and are then very attractive. Beans oval, large, of excellent quality, light yellowish brown heavily splashed with carmine. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 80c., pk. \$1.50, bush. \$5.50.

**GODDARD OR BOSTON FAVORITE.** Vine very large of vigorous branching habit, much inclined to run, more productive and not as liable to blight as Dwarf Horticultural. Pods long, larger than those of any other dwarf bean, yellowish green splashed with crimson, beans long, large, similar in color to all Horticultural varieties. Later than preceding varieties. *Prices same as quoted for Valentine.*

**IMPROVED GODDARD.** Has all the desirable qualities of the preceding with but little tendency to throw out runners. It is also a little earlier and pods are slightly brighter colored. The strain is by far the purest we have ever seen being entirely free from the small slender podded variety found in nearly every strain of Goddard. Owing to the rank, branching and larger growth of vine plants should not stand nearer than eight inches in the row for best results. *Prices same as for Dwarf Horticultural.*

## DWARF WAX OR BUTTER BEANS.



Golden Eyed Wax.

**GOLDEN WAX—ORIGINAL STRAIN.** Vine erect, slightly above medium size, early and very productive, of vigorous growth but somewhat inclined to blight in unfavorable seasons. Pods golden yellow, long, flat, nearly straight, with short green points, wax like, attractive and of fine quality; when not affected with rust superior to any other strain of Golden Wax. Seed of medium size, oval, ground white covered more or less with two shades of deep red or crimson. Varying in shade and amount of color, caused by conditions of soil and ripening. *Prices same as of Black Wax.*

**CURRIE'S RUST PROOF BLACK WAX.** Vine extremely hardy and vigorous, distinct in habit especially in first stages of growth, early and productive. Pods long, flat, yellow, attractive and of excellent quality. Though in extremely unfavorable seasons somewhat affected by rust, years of observation have convinced us that no other variety equal in quality is more nearly rust proof than this while this is superior in quality to many which may equal this in its blight resisting character. Seed, deep purplish brown approaching black, larger than Black Wax. *Prices same as of Black Wax.*

**DAVIS WHITE WAX.** Vine of vigorous habit fairly productive, not especially subject to blight or rust. Pods longer than those of most other varieties, always straight, flat, white, wax-like and attractive. Not surpassed in latter respect by those of any other sort, a feature which undoubtedly has largely been the cause of its great popularity with market men. If picked while

**GOLDEN EYED WAX.** Vine large, with large coarse leaves, upright in growth, remarkably hardy, vigorous and productive. Pods of good length straight, flat, golden yellow, very attractive but somewhat inferior in texture. Seed white blotched with yellow about the eye. The handsome pods and great hardness of the vine have made this a popular market variety and it is used to a considerable extent for the home garden, some preferring to plant a part of their ground with this variety which is only in especially unfavorable seasons affected with blight or rust, rather than all with some variety of which though pods are of better quality the vine lacks the hardness of this. Unless a variety should be introduced considerably different from any yet known, it may be accepted as a fact, that hardness of vine is always attained at a sacrifice of texture and quality of pods, varying however in degree in different varieties. Postpaid  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c.,  $\frac{1}{2}$  pk. 75c., pk. \$1.40, bush. \$5.00.

**DETROIT WAX.** Vine erect, hardy, productive. Pods of medium length, straight, broad, flat, light yellow, of medium quality. A desirable sort on account of its hardness and productiveness. Seed white with brown or black markings about the eye varying in amount and shade as do all parti-colored beans, larger than of most wax varieties making beans of greater value for baking. *Prices same as of Golden Eyed Wax.*

**DWARF BLACK WAX—PROLIFIC STRAIN.** Vine of medium size, holding pods well up from the ground, more vigorous, hardy and prolific than other strain. Pods of medium size, round, curved, fleshy, creamy-white, quality the best, seed small, oblong, jet black. Post paid  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 80c., pk. \$1.50, bush. \$5.50.

young the pods are tender and stringless but later are hardly equal in quality to those of some less hardy sorts. Seeds white, kidney-shaped, excellent for baking. Post paid,  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 85c., pk. \$1.60, bush. \$5.75.

**WARDWELL'S KIDNEY WAX.** Vine of strong vigorous growth but of somewhat tender constitution, in favorable seasons remarkably productive. Pods large, long, nearly straight, broad, flat, meaty and of finest quality. They are also very attractive with their light waxy color and symmetrical form. Seed large, kidney-shaped, white with purplish brown markings about the eye. A popular market variety commanding the highest price and especially desirable for the home garden. Post paid  $\frac{1}{2}$  pt. 14c., pt. 26c., qt. 45c.; by express or freight  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c.,  $\frac{1}{2}$  pk. 90c., pk. \$1.65, bush. \$6.00.

**ROUND POD KIDNEY WAX.** A very desirable, new variety, a selection from the Wardwell Kidney Wax. Plant of dwarf, spreading but vigorous growth and very productive. The pods are exceptionally attractive, white and wax-like; long, round, nearly straight and uniformly perfect in shape. They are also of the finest quality, stringless, meaty and brittle. Seed long, cylindrical smaller than Wardwell's Kidney Wax, somewhat similar in markings but with less color about the eye. One of the best round podded wax beans destined to be largely planted in home gardens when its quality and productiveness become known. *Prices same as of Wardwell's Kidney Wax.*



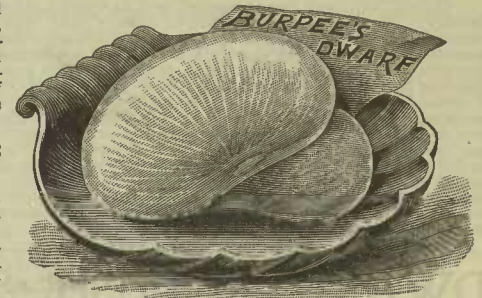
# BEANS DWARF LIMA

Lima beans are more tender than others and should not be planted until settled warm weather, in this latitude, not before the twentieth of May, generally the twenty-fifth would be better and in especially backward seasons peculiar to New England probably as good results would be obtained and perhaps better by deferring planting until the first of June. They require warm land and it is useless to plant them on any other. Plants of this dwarf class should not stand nearer than one foot in the row and rows should be three or three and one-half feet apart for best results.

**HENDERSON'S BUSH LIMA.** A bush form of the Early Sieva Lima, early and productive, seed small, flat, white. Post paid  $\frac{1}{2}$  pt. 14c., pt. 26c., qt. 45c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c.,  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75.

**BURPEE'S BUSH LIMA.** Vine of stout, erect growth but branching freely, if given sufficient space forms a bush two or more feet in diameter. Grows uniformly dwarf. Very productive. Pods and beans nearly as large as the Large Pole Lima. The most popular variety of this class. *Prices same as of Henderson's Bush Lima.*

**DREER'S BUSH LIMA.** A bush form of Dreer's Improved Lima, which is considered by some the best of the pole varieties. Plant uniformly dwarf. Pods and beans identical in shape and size with Dreer's Pole Lima. *Prices same as of Henderson's Bush Lima.*



## BEANS. Pole or Running.

**CULTURE.** Pole Beans are more sensitive to wet and extremes of temperature than the dwarf varieties; and should not be planted much, if any, before the Lima. Poles should be set in rows about four feet apart, preferably running north and south, allowing about three feet between the poles in the row. The safer way is to plant six or eight beans around each pole and thin to three or four plants. Beans should be about two inches below the surface and are more generally pressed into the soil eye down, instead of dropped and covered, as they come up a little sooner planted in this way. Like the dwarf beans they require frequent shallow cultivation.

**KENTUCKY WONDER OR OLD HOMESTEAD.** Vine vigorous, early and very productive, pods are borne in large clusters, are of unusual length sometimes nine or ten inches long, nearly round, silvery green; when young, crisp, entirely stringless and of fine texture. Used only as a string bean. Seed long, oval, dun colored. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 26c., qt. 45c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.75.

**EARLY GOLDEN CLUSTER WAX.** Vine large, vigorous and hardy. Pods long, borne in clusters of three to six varying in color from creamy-white to golden yellow, broad, thick and fleshy, deeply creased; of the finest quality and remain in good condition for a long time. Seed thick, flattened, oval, dull white. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 26c., qt. 45c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.85.

**INDIAN CHIEF OR POLE BLACK WAX.** Vine large with rough leaves, strong, vigorous and productive. Pods short, broad, flat, fleshy, creamy-white, of average quality and like the Golden Cluster remain in good condition for a long time. Seed large, round, black. *Prices same as of Golden Cluster.*

**DUTCH CASE KNIFE.** An old variety, a favorite with those who prefer only white shell beans. Vine of medium vigor but climbs well and very productive. Pods very long, flat, irregular. Beans broad, kidney-shaped, flat, clear white of excellent quality either green or dry. *Prices same as of Pole Horticultural.*

**LONDON HORTICULTURAL OR SPECKLED CRANBERRY.** An old standard variety especially popular in New England as a shell bean both for market and the home garden. Vine of medium vigor and earliness and of average productiveness. Pods short, broad, yellowish green streaked with bright red. Beans identical in appearance with Dwarf Horticultural, about equal in size, slightly more nearly round, of the best quality either green or dry. Postpaid,  $\frac{1}{2}$  pt. 10c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 80c., pk. \$1.50.

**WORCESTER MAMMOTH POLE HORTICULTURAL.** This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The beans though closely resembling those of the common strain are so much larger that, if that were the only point of excellence it would be alone sufficient to recommend it for general use, but the giant pods, more highly colored than those of any other strain of the Horticultural type, greatly increase its desirability as a market variety while its high quality and mammoth beans make it equally desirable for the home garden. Additional features of merit are those of vigorous growth of vine and great productiveness. With the exception of size, beans when dry are similar in appearance to London Horticultural. *Crop nearly a failure.* Postpaid,  $\frac{1}{2}$  pt. 19c., pt. 33c., qt. 60c.; by express or freight,  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 45c., 2 qts. 80c.,  $\frac{1}{2}$  pk. \$1.50, pk. \$2.75.

**GOLDEN CARMINE POLE HORTICULTURAL.** This new bean, a strain of the Worcester Mammoth Horticultural, producing pods and beans equal in size has the additional merits of being an excellent snap or string bean, stringless, tender and fine flavored and as a green shell bean of being from a week to ten days earlier. Vine similar to Worcester Mammoth Horticultural but leaves are slightly larger and are yellowish green. Pods when suitable for string beans are light waxy yellow, when ready for shelling, golden yellow splashed with bright carmine, at both stages very attractive. The shelled beans are equal in quality to Worcester Mammoth Horticultural and vine is equally productive. Though the brilliant crimson markings covering a larger portion of the pod are thought by some to make those of the older strain the more attractive, the earliness of this is certainly a desirable feature, and one which doubtless will lead many market gardeners to make a part of their planting of this strain, while the possibility of securing both string and shell beans from one planting will induce some who plant for their own use only to plant this in preference to the older strain. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 28c., qt. 50c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.75.

**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 also of excellent edible qualities but rarely grown for that purpose. Postpaid, pkt. 5c.,  $\frac{1}{2}$  pt. 14c., pt. 28c., qt. 50c.; by express or freight, pkt. 5c.,  $\frac{1}{2}$  pt. 10c., pt. 20c., qt. 35c.

## LIMA BEANS. Pole or Running.

### SEIBERT'S EARLY LIMA.

An early and productive variety. Pods short, very thin, and more easily opened than those of other flat podded Limas; though containing but three or four beans they are so abundantly produced and beans being of largest size the yield of beans when shelled fully equals that of other varieties of this class.

Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 26c., qt. 45c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 18c., qt. 30c., 2 qts. 55c.,  $\frac{1}{2}$  pk. \$1.00, pk. \$1.75.

### LARGE WHITE LIMA.

Vine tall, and slender but vigorous and productive, a little later in maturing crop than others. Pods long, broad, thin, borne in clusters. Beans large, white with green tinge which they retain when dry, a feature thought by some to indicate a greater degree of richness and succulency and the variety is therefore a favorite with them. *Price same as of Seibert's Lima.*

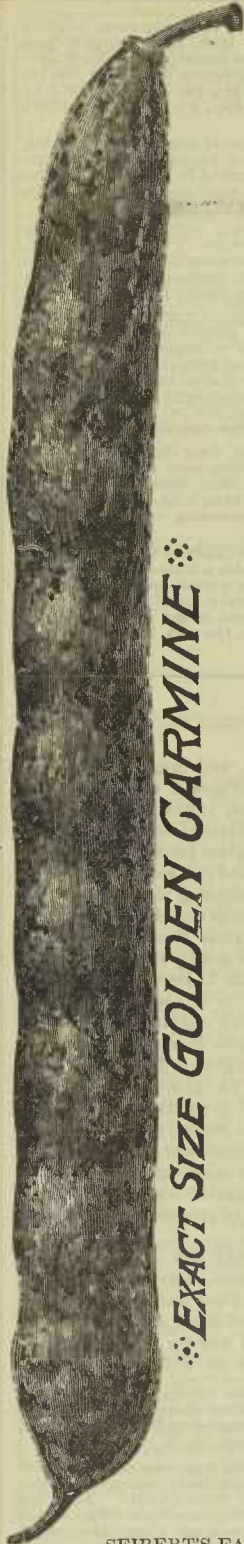
### KING OF THE GARDEN LIMA

Vine large, vigorous and productive, bearing a little earlier than the old Large White Lima especially if but two vines are left to the pole. Pods of the largest size containing four or five immense beans of the quality and flavor peculiar to all Lima Beans. *Prices same as of Seibert's Lima.*

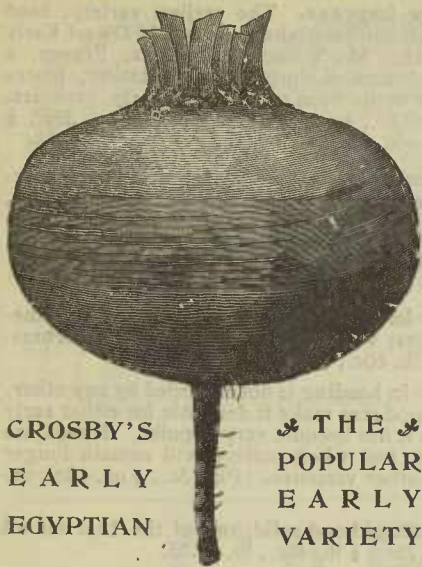
### CHALLENGER OR DREER'S IMPROVED LIMA.

Vine remarkably stout and vigorous, medium early and productive. Both pods and beans are of distinct form being much thicker than others. The pods are borne in clusters, are easily opened, generally contain four beans which though neither as long nor broad as those of flat podded Limas are actually as large because of their thickness. Beans are of the usual Lima flavor, and slightly more mealy than the thinner sorts. The variety is a decided favorite in some localities and should be more generally grown. *Prices same as of Seibert's Lima.*

EXACT SIZE GOLDEN CARMINE







CROSBY'S  
EARLY  
EGYPTIAN

THE  
POPULAR  
EARLY  
VARIETY

# BEET

**CULTURE.** The beet thrives best in deep, rich but rather light loam. Sow in drills fifteen inches apart and one inch deep. Make the soil firm over the seed with back of hoe, if dry by treading or rolling. For early use sow as soon as ground can be worked; for fall use, in May; for winter, the last of June. Thin plants to four or five inches apart. One ounce will sow about fifty feet of drill.

**EARLY EGYPTIAN.** One of the earliest, roots flat; deep crimson, tops small, permitting it to be planted closer than other varieties, especially desirable for forcing as well as for first open ground planting. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 20c., lb. 58c., postpaid; by express or freight, lb. 50c.

**CROSBY'S EARLY EGYPTIAN.** The most popular early variety for market and is now being used by some gardeners for last sowing, will produce roots of good size in usual season if seed is sown the middle of July. The roots are much thicker than the Egyptian inclining to spherical and have a very small tap root. Of rich dark color, and good quality. Tops small and mainly dark colored. Pkt. 5c., ozs. 10c., 2 oz. 15c.,  $\frac{1}{4}$  lb. 20c., lb. 73c., by express or freight, lb. 65c.

**CROSBY'S EARLY EGYPTIAN.** Extra Selected Strain. From roots of our own growing and selection. We have given this strain much attention and have succeeded in eliminating to a considerable extent the light colored, coarse fleshed specimens peculiar to the Egyptian. Pkt. 5c., oz. 12c., 2 ozs. 20c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.08, postpaid; by express or freight, lb. \$1.00.

**BASTIAN'S EARLY.** A very quick-growing sort, of superior flavor, very tender and sweet, tops of medium size, leaves green, stem pink, roots red, flesh purplish-pink zoned with white; *Prices same as of Egyptian.*

**EARLY ECLIPSE.** One of the earliest globe-shaped varieties, with rather small tops and small tap root, blood-red; of excellent quality. *Prices same as of Egyptian.*

**ARLINGTON FAVORITE.** An excellent variety of globular form and deep color, especially desirable to follow the first early. *Prices same as of Egyptian.*

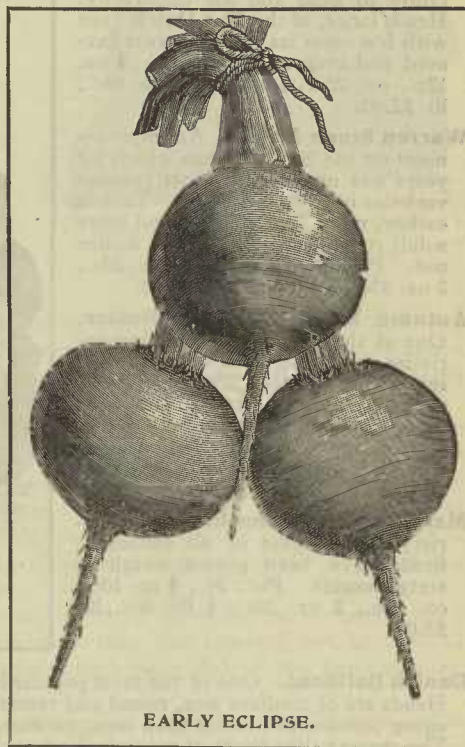
**DETROIT DARK RED.** Rapidly becoming one of the most popular main crop varieties. Roots globular sometimes inclined to ovoid, skin dark blood-red, flesh bright red zoned with a dark shade; of the finest quality. Tops small and upright, leaf green with dark red stems and veins. The stock which we offer of this variety is greatly superior to much that is offered and while it is entirely possible that others may have as good, repeated trials have shown that but few others compare with it in purity. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 20c., lb. 68c. post paid; by express or freight, lb. 60c.

**CRIMSON GLOBE.** Roots perfectly globular, one of the earliest of this shape, flesh dark; skin a shade lighter, seldom grows over large and is a favorite with some for late as well as early planting. *Prices same as of Detroit Dark Red.*

**EDMAND'S EARLY BLOOD TURNIP.** Used largely for main crop. Roots somewhat more inclined to globular than the old strain of Blood Turnip, skin dark red, flesh purplish, zoned with lighter shade; tender and sweet and an excellent keeper. *Prices same as of Egyptian.*

**DEWING'S IMPROVED BLOOD TURNIP.** This has been more largely used for main and winter crop than any other. It is being to some extent displaced by newer varieties but is yet extensively planted and is an excellent sort. *Prices same as of Egyptian.*

**SWISS CHARD.** Used for greens only, at first entire, later the leaf stalks are sometimes used separately, cooked like Asparagus. *Prices same as of Egyptian.*



EARLY ECLIPSE.

## Sugar Beet and Mangel Wurzels.

These are used for stock-feeding only. Seed should be sown in rows two feet apart and plants thinned to stand from ten to fifteen inches apart in the row according to size of variety. Seed of the Mangel Wurzel Beet seldom germinates as well as that of the table varieties and therefore should be sown more thickly, six to eight pounds to the acre. *All Varieties at uniform prices.* Oz. 10c.,  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 24c., lb. 43c., postpaid; by express or freight,  $\frac{1}{2}$  lb. 20c., lb. 35c., 5 lbs. or over per lb. 30c.

**LANE'S SUGAR BEET.** A standard variety for stock-feeding.

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

**MAMMOTH LONG RED MANGEL.** A variety of mammoth size; skin light red, flesh white and rose. Grows well out of ground; extensively used.

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

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

**ALL VARIETIES AT UNIFORM PRICES.** Oz. 10c.,  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 24c., lb. 43c., postpaid; by express or freight,  $\frac{1}{2}$  lb. 20c., lb. 35c., 5 lbs. or over 30c. per lb.

## Brussels Sprouts.

A very hardy plant of the Cabbage family, growing from two to three feet high, producing at the axils of the leaves the whole length of the stem small heads about two inches in diameter, resembling a cabbage and considered by some to be of finer flavor. **BEST IMPORTED.** Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c., 2 ozs. 25c.,  $\frac{1}{4}$  lb. 40c.



# CABBAGE



**Early Express.** The earliest variety; head oval, similar in shape to the old Dwarf Early York. M. Vilmorin of Paris, France, a seedsman of world-wide reputation, places this at the head of the first early varieties. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., 1 lb. \$2.00.

**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. 25c., 2 oz. 40c.,  $\frac{1}{2}$  lb. 70c., lb. \$2.50.

**Charleston Early Wakefield.** A selection of the Jersey Wakefield, a few days later but much larger. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 30c., 2 oz. 50c.,  $\frac{1}{2}$  lb. 85c., lb. \$3.00.

**Henderson's Early Summer.** An early large heading sort. Heads flat, sometimes slightly conical with large outer leaves; very popular with market gardeners. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**All Seasons.** A variety which for reliability in heading is not exceeded by any other, if indeed equaled. Its rapid growth and good size make it desirable for either early or late planting, and for the latter purpose it has become very popular. Heads are large and solid, round, flattened on the top, and when mature will remain longer in the field without bursting than most other varieties. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**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.,  $\frac{1}{2}$  lb. 45c., lb. \$1.75.



Early Winningstadt.

**Surehead.** Remarkable for its certainty to head and for uniformity. Heads large, of the Flat Dutch type with few outer leaves; are sweet flavored and keep well. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**Warren Stone Mason.** An improvement on the Stone Mason which for years was one of the most popular varieties in New England. This is earlier, more nearly round and more solid; one of the very best for winter use. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**Autumn King, or World Beater.** One of the largest hard-heading varieties, with few outer leaves, allowing it to be planted closer than others of its size. These leaves are peculiarly crimped, marking it as a distinct variety. An excellent keeper. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 25c., 2 oz. 40c.,  $\frac{1}{2}$  lb. 70c., lb. \$2.50.

**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.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.



Danish Ballhead.

**Danish Ballhead.** One of the most popular late cabbages ever introduced. Heads are of medium size, round and remarkably solid and heavy, averaging one-fourth heavier than most varieties, and are the best of keepers. The stumps, like those of many foreign varieties, are longer than those of our native sorts, though some improvement has been made in late years. Seed should be sown about two weeks earlier than of native varieties. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 25c., 2 oz. 40c.,  $\frac{1}{2}$  lb. 70c., lb. \$2.50.

**Luxembourg or Hard Heading.** We think this is not grown as largely as it should be as but few varieties, if any, equal it for late spring keeping, differing from all others in coming out as green as when first buried it is especially attractive. This also should be planted earlier and manured more liberally than our native sorts. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 25c., 2 oz. 40c.,  $\frac{1}{2}$  lb. 70c., lb. \$2.50.

**Mammoth Rock Red.** Now the standard red cabbage, a great improvement on the small Red Dutch. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 25c., 2 oz. 40c.,  $\frac{1}{2}$  lb. 70c., lb. \$2.50.

ALL PRICES ON THIS PAGE ARE POSTPAID. IF BY EXPRESS OR AT COUNTER IN QUANTITIES OF ONE POUND OR MORE DEDUCT AT THE RATE OF 8 CENTS PER POUND FROM PRICE QUOTED.

**Henderson's Succession.** Very similar to All Seasons but earlier. A sure header and good keeper. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**Fottler's Brunswick.** One of the earliest large Drumhead varieties. It has been in New England one of the most popular cabbages grown, both as a second early and for late planting. Is a fair keeper and of excellent quality. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**Premium Flat Dutch.** An old well-known variety, yet very popular. Heads flat, large and solid. Very reliable in heading. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**American Improved Savoy.** An improvement on the Green Globe Savoy; very reliable for heading. Pkt. 5c.,  $\frac{1}{2}$  oz. 12c., oz. 20c., 2 oz. 35c.,  $\frac{1}{2}$  lb. 60c., lb. \$2.00.

**The Volga.** A new late variety. See novelty pages for description and prices.



Fottler's Brunswick.





# CAULIFLOWER.

**EARLY SNOWBALL.** The earliest variety and the surest to head. It is probably more largely grown than all other varieties combined not only for early use but late as well, and has to a great extent displaced all of the once popular late sorts. Owing to its compact habit and few narrow and upright leaves it is the most

desirable for forcing, and, for the same reason, can be set much closer in the field than others.

We offer a strain proved by years of trial to be unsurpassed in earliness, reliability in heading, or purity. Pkt. 20c.;  $\frac{1}{4}$  oz. 65c.

$\frac{1}{2}$  oz. \$1.25; oz. \$2.25.

**EARLY LONDON.** A well known variety maturing its heads soon after the extra early sorts. Pkt. 5c.;  $\frac{1}{2}$  oz. 25c.; oz. 40c.; 2 oz. 75c.;  $\frac{1}{4}$  lb. \$1.25.

**LARGE ALGIERS.** A late sort and one of the surest to head of this class. Plant, large but of upright growth, the leaves affording protection to the head so that they are seldom injured by frosts that would ruin other varieties. Pkt. 10c.;  $\frac{1}{2}$  oz. 40c.; oz. 75c.

# CARROT.

**EARLY SCARLET HORN.** A popular early variety, grown only for table use. The roots are about three inches long and about an inch and a half in diameter at top, tapering slightly and terminating abruptly like the larger stump-rooted varieties. They make an attractive bunch, are of excellent quality and have small tops. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**CHANTENAY.** This is an excellent variety for bunching. The roots are five inches long, three inches in diameter at the top, tapering gradually, but uniformly stump-rooted. The flesh is tender and crisp, color deep orange. The tops are of medium size and necks small. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**OX HEART, or GUERANDE.** Roots very thick, often over four inches in diameter at shoulder, tapering to not less than two inches at the stump root, and about five or six inches in length. The flesh is very fine-grained, free from core, tender and sweet. Color, bright orange. An excellent variety for either table use or for stock, and especially suited for hard, stiff soil, where longer growing varieties seldom thrive. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 85c.

**DANVERS.** The most popular variety. It is used for bunching for market early in the season and later for packing in boxes or crates. It is also extensively grown for stock although a greater weight per acre could be secured by using either the Rubicon or Long Orange. It can, however, be grown on both shallow and stiff hard soils where the latter would not thrive and being of more attractive form than the Rubicon is preferred by many who market a part of their crop and feed the balance. The roots are about two and one-half inches in diameter at the shoulder and five to six inches long, tapering gradually to a blunt point. Our strain is one which we have sold for a long time and is of rich, deep orange so much desired by all who grow carrots for market. It is also of remarkable uniformity and purity. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 85c.

**ST. VALERY.** This is sometimes called the "Point-rooted Danvers;" it would, however, be better described as a variety intermediate between the Danvers and Long Orange. It is in type much like the latter, is longer than the Danvers, not as thick at the shoulder as the Intermediate, and a little longer. It is very attractive in form, of rich dark color, and of the finest quality. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**RUBICON.** This is similar in form to the Ox Heart but thicker and longer. It is also earlier, and larger than the Danvers and is in our opinion preferable to either that or the Long Orange for growing for stock as a greater weight could be grown on the same area than the former and at least an amount equal to the Long Orange. It will also succeed on shallow or hard soils like the Danvers where the Long Orange would not, and is much more easily harvested than the latter. It has less and finer leaves than the Danvers; has no neck, growing hollow-crowned, and is very uniform in growth, of good color and quality, but will probably never be a popular variety for market, lacking attractive form. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**INTERMEDIATE HALF LONG.** A variety intermediate in size between the Danvers and Long Orange but more nearly the size of the former. It, however, more closely resembles the Long Orange in that the root is pointed. Of good color and excellent quality. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**LONG ORANGE.** An old, well known, and popular variety succeeding on deep mellow soils. On such the roots are very handsome and present an attractive appearance when packed in boxes ready for market. The variety is not, however, largely used for this purpose as most markets prefer roots of the Danvers type. It is extensively grown for stock, probably sometimes where a variety of the Rubicon type would be better adapted. Roots of this improved strain are a little shorter and thicker than of the old but so uniform that the bulk of the crop would probably be greater. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**LARGE WHITE BELGIAN.** The roots grow one-third out of ground. The portion above ground is green, that below white. Roots are large and flesh rather coarse. Used only for stock feeding. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 20c.; lb. 50c.



Ox Heart, or Guerande.



# CELERY

An Ounce will Produce  
from 3000 to 4000 plants.



**Culture.** The seed of celery being of slow germination it requires about three months from sowing until the seedlings are at the right stage for setting in permanent situation, the time of sowing therefor depends upon whether the plants are desired for early or late planting. For early use seed may be sown either inside in shallow boxes or in a cold frame, in either case where there is but little heat. The seeds being very fine, care should be taken that it be but slightly covered with soil which should always be kept moist, until the seed germinates nearly wet and after never allowed to become dry. When about 2 inches high the seedlings should be transplanted into other frames from 2 to 3 inches apart to start a new growth of roots and to make them stocky. When 4 inches high they will be made more stocky if about an inch of the leaves are shorn off the plants. After being transplanted the plants should be set in permanent situation as soon as new roots have formed. Allowing them to remain in the frame too long will often cause them to run to seed. This however is more liable to occur with early plantings than with late.

Celery thrives best on moist, peaty soils but is often successfully grown on somewhat sandy soil artificially watered or irrigated. It is more often grown as a second crop than a main crop but in either case requires heavy enriching.

For early use, the plants may be set as early as the middle of June, for later use, from that time until the first of August and if plants are strong and healthy and soil is especially adapted to celery good results are often secured when set as late as the middle of August, the result however depending considerably on the season. The old method of setting plants in a trench is now but little used, largely because of the self-blanching habit of the variety most grown and as well because it has been found that level culture requires much less labor and answers as well. The plants are set at various distances apart, sometimes 6 and sometimes 12 inches in rows 2½ to 3 feet apart. Early self-blanching varieties and the late green varieties are often set in alternate rows; boards being used to blanch the early crop and when this is removed there being ample room for banking with earth the late.

Another method is to set in beds about 5 feet wide, with plants 6 or 7 inches apart each way, boards being used on the outsides of the bed only, the dense growth of the closely set plants serving to blanch the rest. This method requires frequent applications of fertilizer, copious watering and intensive cultivation and while the product may quickly be sufficiently blanched as far as attractive appearance is concerned and the method therefore a profitable one when growing for market, neither this nor any other method produces celery of as fine flavor and quality as by banking with earth.

The early self-blanching varieties can often be blanched in two weeks if weather is warm. Later in the fall when colder it takes from three to four weeks while the late green varieties require a much longer time, in fact these are seldom made fit for use in the garden or field, but are only partially blanched (almost always by banking with earth) in the field and the blanching completed in the cellar or pit where stored, the time required there depending on the temperature.

In storing for winter use the plants are packed closely together generally on earth and sometimes with earth about the roots and if desired to be kept as long as possible the temperature is kept just above the freezing point. Celery for storing should not be handled when wet nor should it be allowed to wilt.

It may be well to mention that to some extent seed is now being sown in the field where it is designed to have it grow, sometimes if sown early in alternate rows of early and late sorts and if a late variety in crops of radish, onion sets, spinach, etc., a space being left, when such crops were planted, for this purpose. This practice seems to be increasing.

**Golden Self Blanching or Paris Golden.** The most popular variety for market probably more largely grown than all others combined. Of vigorous growth, easily blanched and of excellent quality for one of this class. We offer head-quarters seed of proved quality. Pkt. 10c.; ½ oz. 20c.; oz. 35c.; 2 oz. 65c.; ¼ lb. \$1.10.

**Rose Ribbed Paris.** A very dwarf variety resembling somewhat the Golden Self Blanching. Though the plant is smaller the stalks are larger and are, especially those in the center, of a deeper, richer yellow, while the upper portions are beautifully tinged with pink. It is an especially attractive variety, easily blanched and is claimed by some to be superior in quality to the other self-blanching sorts. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 2 oz. 40c.; ¼ lb. 75c.

**White Plume.** The earliest and most easily blanched of all varieties; requires little banking-up to make it fit for market, belonging to the self-blanching class. A desirable variety for early fall use, but does not keep well; very showy and beautiful, but not more so than the *Golden Self-Blanching*, and not equal to that in several other respects. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

**Celeriac or Turnip Rooted Celery.** Sow seed and treat in first stages of growth as directed for celery. Set in rows two feet apart and six inches apart in the row. As the roots only are used no banking is necessary. When roots have reached a size of two inches in diameter they are ready for use. These are boiled, sliced and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

**Large Smooth Prague.** An improved sort with nearly round roots which have but few side roots. Pkt. 5c.; oz. 15c.

**Corn Salad, Feticcus or Lamb's Lettuce.** A hardy rapid growing plant, often used in winter as a substitute for lettuce and is sometimes cooked and used like spinach. It does not thrive in hot weather and if sown in the spring it should be very early and on extremely rich soil. It will then be ready for use in four to six weeks. It, however, succeeds best when sown in August or September. If sown in the former, it will be ready for use in the late fall. If left in the ground during winter, it should, on the approach of cold weather, be protected with straw or litter. Pkt. 5c.; oz. 10c.; 2 oz. 15c.; ¼ lb. 25c.

**Boston Market.** An old variety of superior quality. At one time more largely grown than any other and is yet in some sections grown to some extent. Of low spreading habit dark green and glossy; forms a number of secondary heads instead of a single large one. Grown mainly for winter use. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

**Giant Pascal.** This is a green leaved variety which was developed from the Golden Self-Blanching. 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 quickly after banking. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

**Winter Queen.** Of medium height but stout, thick and heavy, with a larger amount of heart than most other sorts. Of fine quality, more easily handled than the Giant Pascal and an excellent keeper. One of the best for late winter use. Pkt. 5c.; ½ oz. 12c.; oz. 20c.; 2 oz. 35c.; ¼ lb. 60c.

**Chervil Curled.** A hardy annual, used for flavoring and garnishing, and deserving of more general use for the latter purpose. It is thought by some to exceed even parsley in beauty and its use at least would afford a pleasing variation. Seed should be sown early in the spring and when plants are well rooted they should be transplanted to one foot apart. The leaves will be ready for use in seven to ten weeks from planting. Pkt. 5c.; oz. 15c.; 2 oz. 25c.; ¼ lb. 40c.

**Cress, Curled, or Pepper Grass.** A small, pungent salad plant, much liked by some with lettuce. Like all salad plants it should be grown on rich ground. Seed may be sown early in the spring but if desired through the summer repeated sowings will be necessary. Pkt. 5c.; oz. 10c.; 2 oz. 15c.; ¼ lb. 20c.



# Sweet Corn

One Quart will Plant about 200 Hills.  
—12 to 16 Quarts to the Acre.

Prices at Counter are the same as quoted by Express or Freight.

**Early Red Cory.** The most popular early variety. Ears six inches long; kernels broad, from reddish amber to nearly white; cobs mostly red. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c. 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Extra Early Red Cory.** An extra early strain seed of which was grown by the originator of the Red Cory; does not differ from the preceding except in earliness. Is ready for market a few days sooner than either the Red Cory or First of All, and for this reason we no longer offer the latter. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 25c.; qt. 45c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.65; bush. \$6.00.

**Early White Cory.** A selection from the Red Cory, both kernels and cob white, otherwise identical. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Mammoth White Cory.** Differs from the White Cory in having considerably larger ears and in that they are twelve rowed. Ripens nearly as early and is thought by some to be of better quality. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Golden Bantam.** A new variety which not only surpasses in sweetness all others but remains in good condition longer, retaining its rich flavor, sweetness and tenderness to a stage of maturity when other varieties would be unfit for eating. Ears five to seven inches long, eight rowed; kernels broad; golden yellow. Stalks only about four feet high but sturdy and productive. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 25c.; qt. 45c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.65; bush. \$6.00.

**Kendel's Early Giant.** A second early variety following closely the small eared early kinds, but having ears of sufficient size to warrant its use for main crop, usually twelve rowed. Of good quality, Productive. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Early Champion.** Ready for use at about the same time as Kendel's Early Giant. Ears as large or larger, ten or twelve rowed; kernels deep, pure white, sweet and tender. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Metropolitan.** A new second early sort, maturing close to the preceding, rather distinct in growth, having especially strong stalks with numerous narrow, very dark green leaves. Ears nine inches long, ten or twelve rowed. Well filled with large deep kernels of excellent quality. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**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. Matures soon after the second early sorts.

Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Black Mexican.** A popular variety until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black but at proper stage for cooking the color shows but little if at all. Is ready for use soon after the Crosby. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Marblehead Mammoth.** Ears of the largest size, having twelve to sixteen rows of kernels of more than average size, sweet and tender. Plant large and vigorous, preferred by some to Evergreen for fodder and matures its crop considerably earlier. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 35c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 65c.; pk. \$1.00; bush. \$3.75.

**Culture.** Sweet Corn should not be planted until ground is warm, and cannot usually be safely planted in this latitude much before the middle of May.

The small early varieties may be planted in the garden as closely as  $2\frac{1}{2}$  by to 2 feet but in the field are generally planted 3 by 2 or  $2\frac{1}{2}$  feet. In the small garden however a more economical use of space can be made and the product secured a little earlier by making the rows several feet apart, planting in the intervening space any early, low growing crop like radish, spinach or lettuce, and following this with a second crop of cucumbers for pickles, winter squash, celery or turnips, the corn ripening in time for the removal of the stalks before they greatly interfere with the growth of the second crop. The later and larger varieties require more room. Corn thrives best on warm rich soil and succeeds on any only when given frequent but shallow cultivation. Three stalks are all that should be allowed to grow in one hill.



Early Crosby

**Early Crosby. New England Strain.** This has been for years the most popular second early strain in New England and is largely grown elsewhere. Ears are intermediate in size between those of the first early sorts and the Kendel's Early Giant, especially attractive and distinct, having rather small, almost square, kernels packed so closely on the cob that there is no space between the rows as with other varieties, has always twelve or more rows and tip is completely covered. Not only an unusually attractive ear but of a size preferred by many, and corn is of superior quality. Is preferred by canners to any other variety. The seed which we offer was grown by Mr. N. H. Brewer, who took the first prize for the best ten ears of sweet corn at the National Corn Exposition, held at Omaha, Neb., last December. He has for several years given this variety especial attention and has not until very recently grown any other variety of sweet corn. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 80c.; pk. \$1.25; bush. \$4.50.

**Country Gentleman.** Ears of medium size with irregular rows of very deep and slender kernels and small cob. Very sweet and tender, not surpassed in quality by any other variety with white kernels. Plant very productive, often yielding three and sometimes four good ears. Seed should be planted liberally as the kernels being much shriveled seldom germinate as well as those of the regular type. Is ready for use a little before the Stowell's Evergreen. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 80c.; pk. \$1.25; bush. \$4.50.

**Ferry's Early Evergreen.** A selection from the Stowell's Evergreen. Ears large, with sixteen to twenty rows, often irregular. Equal in quality to the Stowell's Evergreen and ready for use from one to two weeks earlier. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 80c.; pk. \$1.25; bush. \$4.50.

**Stowell's Evergreen.** The standard late sort. Ears large, kernels shriveled but very deep, of excellent quality. Postpaid  $\frac{1}{2}$  pt. 13c.; pt. 20c.; qt. 35c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.;  $\frac{1}{2}$  pk. 70c.; pk. \$1.15; bush. \$4.00.

**Sweet Fodder.** Mostly Evergreen and Mammoth. Pk. 60c.; bush. \$2.00.



Special prices will be made on nearly all varieties, when desired, in lots of ten or more bushels.

# CORN Field and Ensilage Varieties

The following list is mainly one of well known and tried varieties not surpassed as a whole by any yet offered. Our stocks are of the usual high grade, reliable as to type and always of proved germination. Samples of any will be sent without charge on application.

Prices here quoted for field and ensilage corn include bags.

A discount of 10 cents will be allowed on both the one and two bushel prices to local customers buying at our counters and furnishing their own bags.

**EARLY CANADA.** Improved strain. An early, eight-rowed variety; ears longer than of the original type, averaging about eight inches; stalks small but productive. Planted largely on soil that would hardly be suitable for the stronger growing varieties and is, owing to its early maturity, especially desirable when planting has been deferred until late in the season. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

**INTERMEDIATE YELLOW FLINT.** Ripens between the preceding and the Longfellow. Ears are generally eight rowed, an inch or more longer than the Improved Canada and considerably thicker, and kernels are much larger. The stalks are also larger and the variety requires somewhat stronger soil. On such the yield will closely approach that of the Longfellow, if not equal it, while as noted the crop will mature considerably earlier. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

**LONGFELLOW.** This popular variety is said to be the result of careful selection in the Longfellow family for over fifty years. The ears are very long, sometimes reaching the length of fifteen inches. The cobs are small, with kernels of good size. It yields well, often having two good ears on a stalk. It is safe for planting in the latitude of Massachusetts and is in this state extensively grown. Pk. 50c.; bush. \$1.85; 2 bush. \$3.60.

**SANFORD WHITE.** A white flint variety, used considerably in Rhode Island for grinding both for stock and culinary purposes, and very extensively used in Vermont for ensilage. Selected hand-picked seed Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

**AUSTRALIAN WHITE FLINT.** An extra early and extremely hardy variety, thriving where the climate is too cold for ordinary corn and resisting drought remarkably, will produce a crop when most varieties would fail. Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

**BREWER'S YELLOW DENT.** A variety now first offered; acclimatized in Connecticut by Mr. N. H. Brewer, who raised last season on one acre 133½ bushels of shelled corn, which secured for him the first prize, for the best acre of corn grown in the United States, at the National Corn Exposition held in Omaha, Neb., last December. (See page 5 for Mr. Brewer's description of this remarkable corn, and for price.)

**KING OF THE EARLIEST.** An early dent variety, a selection from the Pride of the North, made by the originator of that variety, who claims it to be from ten days to two weeks earlier. It has been our opinion for several years that eventually the dent type would be grown in the East for grain as well as for ensilage, and while we have but little doubt that this would ripen here, so successful has Mr. Brewer been with his early dent strain, we advise its use in preference to this variety. This, however, like the pride of the North is especially desirable for cold, clayey soils and for late planting when desired for ensilage only. Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

**PRIDE OF THE NORTH.** An early dent variety which has been grown in the East to some extent for grain and to a greater for ensilage. Although not of as rank growth as other varieties of this type, it is on account of its early production of ears popular with some for the latter purpose, especially with those having cold clayey soil. Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

**WHITE CAP YELLOW DENT.** Nearly as early as the Pride of the North and has much larger ears. Stalks eight to ten feet high, with an abundance of foliage, making it an excellent sort for ensilage. Pk. 40c.; bush. \$1.50; 2 bush. \$2.90.

**LEAMING.** A medium, early dent variety, probably more extensively used for ensilage than any other. Stalks twelve or thirteen feet in height and leafy. Ears about nine inches long, well filled with medium sized but deep kernels which, in sections where they ripen more closely, approach in hardness the flint type than those of any other dent sort. We offer two grades of seed. The Regular Grade is of the same high quality that we have offered for years; the Choice is from specially selected ears. Regular Grade, pk. 40c.; bush. \$1.50; 2 bush. \$2.90. Choice, or Hand Picked, pk. 50c.; bush. \$1.70; 2 bush. \$3.30.

**EARLY MASTODON.** A dent variety second in popularity to the Leaming. Ears are the largest of any of the early strains of dent corn while the plant is the most productive of all the dent varieties. The stalks grow about the same height as the Leaming, possibly a little taller and are very leafy. On account of its early and remarkable production of large ears it is a favorite with some for ensilage. Notwithstanding the ears are borne early, the kernels, being large and soft, require a long time to harden and are difficult to cure in the ordinary way in time for early shipment. For this reason we now have the seed kilndried and though it increases the cost a little, the slightly increased price is not proportionate to the greater value of the seed because of its more nearly certain germination. As of the Leaming we offer two grades. Regular Grade, pk. 45c.; bush. \$1.60; 2 bush. \$3.10. Choice, or Hand Picked, pk. 55c.; bush. \$1.80; 2 bush. \$3.50.

**EUREKA ENSILAGE.** Though we have stated that the Leaming is the most popular variety for ensilage and that the Mastodon is second in favor our statements were intended to apply to their use in the whole country, as taking our customers alone the Eureka is by far the most popular. We believe it is the most profitable variety for ensilage because of its enormous growth, the greater abundance of leaves and greater production of ears. In our opinion the objection made by some that the ears do not reach a desirable maturity is more than off-set by the merits above mentioned and has but little weight when compared with the very favorable opinions expressed by hundreds of practical farmers, many of whom have for years planted nothing but the Eureka. Of the many letters which we have received we publish a few on pages 4 and 5. Pk. 60c.; bush. \$2.00; 3 bush. \$5.50. Ears, crate or box of 70 pounds \$2.50.

**RED COB ENSILAGE.** A pure white corn with red cob. Extensively grown for ensilage. Pk. 35c.; bush. \$1.35; 2 bush. \$2.60.

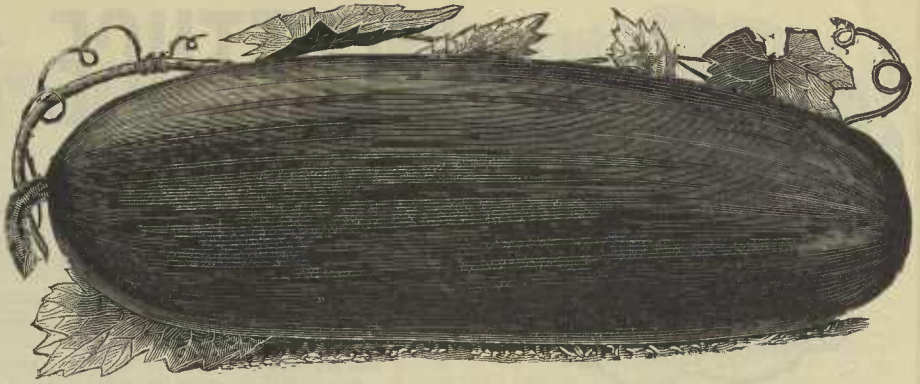




# CUCUMBER

One ounce for 50 hills,  $1\frac{1}{2}$  to 2 lbs. for one acre.

The soil for cucumbers should be heavily enriched, rotted manure supplemented with commercial fertilizer is best but well rotted turf and fertilizer will produce a good crop. Land one year from turf with plenty of fertilizer makes an ideal soil. In any event the cucumber is at its best only when furnished sufficiently with both plant food and humus. It is not generally safe to plant in this latitude before the middle of May. Plant ten or more seeds an inch deep in broad hills  $3\frac{1}{2}$  to 4 feet apart for the small early varieties and 5 to 6 feet for the larger kinds. If the young plants are attacked by the striped bug or other insect, dust frequently with air-slacked lime, soot or ashes mixed with road-dust, taking care that too much is not used at one time. When danger from the striped bug is over thin plants to three to the hill. Give frequent but shallow cultivation as long as vines will permit.



**Emerald**

The prices quoted on this page are postpaid. If desired by express in quantities above one-quarter pound, 10 cents may be deducted from price.

**Early Russian.** The earliest variety and probably the hardiest. Fruit three to four inches long, one and one-half inch to two inches in diameter, oval, pointed at both ends and covered with fine, small spines. Vine of vigorous growth and productive. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Early Cluster.** An early and very productive variety. Fruit small, thick at the end, dark green, but lighter at blossom end, borne in pairs or clusters and largely near the root. Used to some extent for pickles. Pk. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Early Frame or Short Green.** Fruit short, straight, small at each end, bright green, lighter at blossom end, and although small, attractive and of excellent quality. Used both for slicing and pickling. Vine vigorous and productive and produces fruit of suitable size for slicing soon after the Cluster. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Early White Spine.** D deservedly the most popular type. Fruit uniformly straight and handsome, dark green with white lines at blossom end, has but few spines, and is unsurpassed for slicing. Vine large, vigorous and very productive. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Extra Long or Evergreen White Spine.** A distinct strain of this popular type. Fruit long cylindrical, dark green, crisp and tender. Vine productive and comes into bearing soon after the regular strain. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Nichols Medium Green.** Fruit thicker than the White Spine and full at both ends. Skin light green and very smooth. An attractive variety and of fine quality. Used by some for early forcing. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Emerald.** Fruit very attractive, rather long, straight, symmetrical and entirely spineless. Color a very dark green which it retains until ripe. Excellent for slicing and especially desirable for shipping on account of holding its color so long. Vine vigorous and productive. Season medium to late. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Davis Perfect.** A new variety of attractive shape and superior quality. Fruit long, slim, symmetrical, rich dark green, holds color until nearly ripe. Flesh of finest quality, tender, brittle and of good flavor, vine especially vigorous and large and requires more space than most varieties. Pkt. 10c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$1.60.

**Long Green.** Fruit from ten to twelve inches long, dark green, very firm and crisp. It is used largely for slicing, but on account of its firmness and crispness is popular with some for pickling, and is especially desirable, when mature, for sweet pickles. Vine of strong, vigorous growth and productive. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Cumberland.** A distinct variety of the hardy white spine type. Fruit large, symmetrical, dark green and thickly set with fine spines. Though especially recommended for pickling it is valuable for slicing, being of excellent quality. Vine vigorous, remarkably prolific and continues in bearing a long time. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Japanese Climbing.** A variety of vigorous growth with especially strong, grasping tendrils which enable it to climb trellis, netting or brush. Fruit of good size, attractive and of excellent quality. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Boston Pickling.** A favorite variety for pickling. Fruit of medium size. Very smooth, light green. Vine productive. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

## DANDELION

One ounce will sow 200 feet of drill. Two pounds to the acre.

**Culture.** Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm. Thin to five inches apart in row. Cultivate frequently through the summer. The plants will be ready for cutting the following spring.

**Cultivated or French Common.** A greatly improved strain of the common dandelion. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.25.

**Improved Thick Leaved.** Pkt. 10c.;  $\frac{1}{4}$  oz. 25c.; oz. 40c.; 2 oz. 70c.;  $\frac{1}{4}$  lb. \$1.25; lb. \$4.50.

## EGG PLANT

One ounce will produce 1500 plants.

The Egg Plant like all sub-tropical plants requires both for germination of seed and vigorous growth of plant a high temperature. The seed is slow in germinating and should be sown about the first of April. When the young plants show two rough leaves transplant to 3 or 4 inches apart, and when settled warm weather comes, set in rich warm soil  $2\frac{1}{2}$  to 3 feet apart each way.

**Black Pekin.** An early variety nearly round, large, smooth black and glossy. Plant prolific, leaves purplish black. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 45c.;  $\frac{1}{4}$  lb. 75c.

**New York Improved (Spineless).** The favorite variety. Fruit of largest size, oval, rich purple and finest quality. Plant large, spreading and very productive, foliage light green. Pkt. 10c.;  $\frac{1}{2}$  oz. 20c.; oz. 35c.; 2 oz. 60c.;  $\frac{1}{4}$  lb. \$1.00.

## ENDIVE

One ounce will sow 150 feet of drill, producing from 2000 to 2500 plants.

Endive, like lettuce, may be grown at any season but is more generally used in the fall. For early use sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 or 12 inches apart in the row. When nearly full grown, tie the outer leaves over the center to blanch the heart or blanch with boards placed on each side as with celery.

**Moss Curled.** Of dense growth and finely curled. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.

**Large Green Curled.** Of larger growth, not as much curled as preceding. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.

## KALE, or BORECOLE

One ounce will produce 2000 plants.

For early use sow in May and transplant in June, and treat generally as for cabbage.

**Dwarf Curled Scotch.** A standard variety. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

## KOHL RABI

One ounce will sow about 200 feet of drill.

This vegetable is intermediate between the cabbage and turnip. The edible part is an enlargement of the stem and should be used when half grown as when full grown it is tough and fibrous. Sow in drills 18 inches apart and thin plants to 6 or 8 inches apart.

**Early White Vienna.** Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.;  $\frac{1}{4}$  lb. 50c.

**Early Purple Vienna.** Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.;  $\frac{1}{4}$  lb. 50c.





**Belmont Forcing.**

# LETTUCE

An ounce will produce  
from 3000 to 4000 plants

Lettuce thrives on nearly all soils but because the growth should at all times be rapid to insure crispness and best flavor the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy seed may generally be sown as soon as ground can be fitted, as, while prolonged or continued freezing, will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in the hot bed in gentle heat and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing seed outdoors. The early heading varieties may be grown in rows from 14 to 18 inches apart, with the plants about five inches apart in the row. The early loose leaved varieties require a little more space and the large summer varieties still more. The seed requires but a light covering with earth and, if soil is well firmed, will germinate in a few days.

Price. Except where otherwise noted all varieties at uniform price. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.35, postpaid. If desired by express or purchased at counter 10 cents may be deducted from pound price.

**White Seeded Tennis Ball or Boston Market.** An old and popular variety for forcing; heads small and compact. Not suitable for outdoor planting.

**Belmont Forcing.** Like the preceding this is a plain leaved variety, resembles that in general appearance but is larger. It forms a compact head and is, like the Tennis Ball, almost certain to head, making it a desirable and profitable variety for forcing.

**May King.** A new, very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class is coming rapidly into favor here both for outdoor planting and for forcing. Forms compact heads nearly, if not quite, as early as White Seeded Tennis Ball. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c. 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.

**Black Seeded Tennis Ball.** More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Leaves plain, thick, dark green; blanches to a rich creamy white inside.

**Big Boston.** Although much larger than either, this resembles the White Seeded Tennis Ball and Belmont, and like them is of the type popular with market gardeners here and with most shippers. It is very desirable for those gardeners requiring a large heading variety for forcing, and for growing in cold frames and heads will very early in spring out doors. It does not head well in mid-summer but is especially valuable for fall use, every plant being almost certain to head. Though the heads are large, having only a few outer leaves, the plants may be set more closely than other large varieties. The leaves are broad, comparatively smooth, thin and very hard, the outer leaves are light green; a large proportion of the inner ones or head blanching to a beautiful creamy white. When well grown, of the finest quality, crisp and tender.

**Early Curled Simpson.** (White Seed.) An old variety with broad, often frilled, very curly light green leaves; sweet, tender, and of fine flavor.

**Black Seeded 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 for home gardens.

**Boston Fine Curled.** Beautifully curled, excellent for garnishing but of rather poor quality.

**Deacon.** One of the most popular summer varieties, forming heads a little above medium size which although not as large as some of this class are nevertheless very solid, of excellent quality and flavor and which remain fit for use a long time. The outer leaves are few and are of a deep green, the inner portion blanching to a beautiful cream yellow.

**Crisp as Ice.** A mid-summer variety surpassing all of this class in crispness, tenderness and fine flavor. Forms large solid heads, with leaves crimped and curled, those outside being variegated dark green and bronze, the inner portion blanching to a rich creamy yellow. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.;  $\frac{1}{4}$  lb. 50c.

**Prize Head.** A large loose leaved variety which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish-red; sweet, tender and of good flavor, but not equal to Crisp as Ice.

**Hanson.** An old variety of great merit. Forms a large, flat, cabbage-like head very slow to run to seed. The outer leaves are bright green with veins of lighter shade, inner leaves white usually curved and twisted at the base. A very attractive variety of excellent quality and extensively grown for home use.



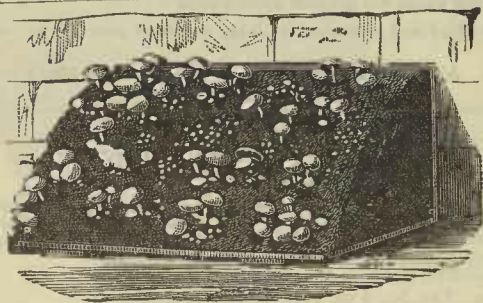
**New York Market.** One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness.

## LEEK.

**American Broad Flag.** The standard variety. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

## MARTYNIA.

The seed pods when young and tender make excellent pickles, but should be gathered when less than half grown. Pkt. 5c.;  $\frac{1}{2}$  oz. 20c.; oz. 35c.; 2 oz. 60c.;  $\frac{1}{4}$  lb. \$1.00.

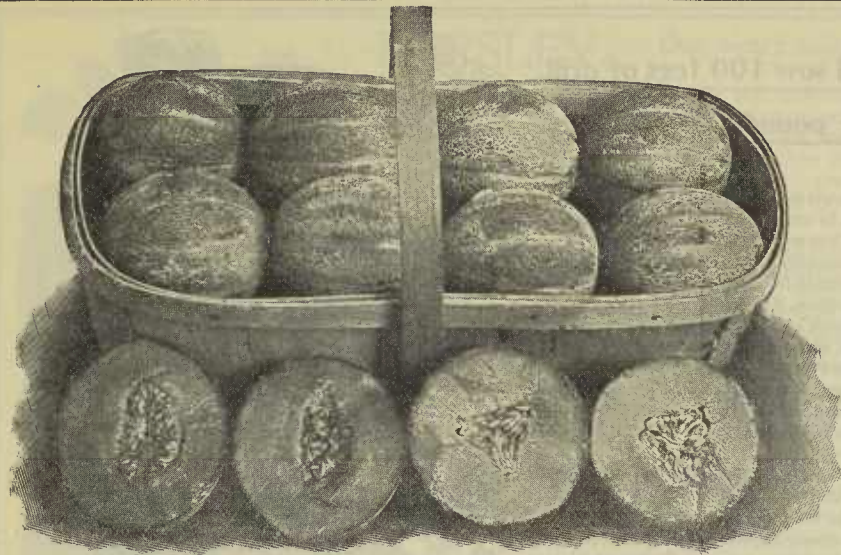


## Mushroom SPAWN.

Lb. 15c.;  
8 lbs. \$1.00.

If desired by mail  
add 8 cts. per pound.





Paul Rose

**Paul Rose, or Petoskey.** This excellent melon is the result of a cross of the Osage and Nettled Gem, and combines the sweetness of the former with the appearance of the Gem. Fruit oval, finely netted, about five inches in diameter. Flesh rich orange and even sweeter than the Osage. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Emerald Gem.** Fruit of medium size, skin very dark green, generally smooth; flesh thicker than of most varieties, in color rich salmon and not surpassed in richness and flavor. More certain to produce uniformly good melons than is perhaps any other variety. Pkt. 5c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. \$1.85.

**Rocky Ford (Netted Gem.)** More largely grown than any other of the small or basket melons and shipped in enormous quantities from Colorado and Arizona. Fruit oval, slightly ribbed, densely covered with fine netting; flesh green, thick, very sweet and of rich flavor. Pkt. 5c.; oz. 12c.; 2 oz. 20c.;  $\frac{1}{4}$  lb. 30c.; lb. \$1.00.

**Improved-Green Nutmeg.** An improved strain of the old popular Nutmeg. Fruit large, round, slightly flattened at both ends, ribbed and covered with coarse netting, flesh very thick and of fine flavor, vine vigorous, hardy and productive. Pkt. 5c.; oz. 12c.; 2 oz. 20c.;  $\frac{1}{4}$  lb. 30c.; lb. \$1.00.

# MUSK MELON

One Ounce will plant Fifty Hills  
1½ to 2 Pounds are required for an acre.

The musk melon succeeds best in warm rich soil. While both plant food and humus are necessary to all plants, all vines require an extra amount. It has not seemed to us that it made any great difference in what way these were supplied. Manure contains both, while rotted turf and commercial fertilizer combined supply both. If manure is used it should be well rotted, finely pulverized and evenly distributed through the soil. If plant food is to be supplied by the use of commercial fertilizer, then land should be selected which, a short time before, was in grass, the turf well pulverized and the fertilizer, like the manure, evenly distributed. The musk melon should not be planted until all danger of frost is past. Plant in broad hills from four to five feet apart each way, allowing ten or more seeds to each hill, and cover with an inch of soil. If young plants are attacked by the striped beetle dust with either air slacked lime, soot or ashes, well diluted with fine road dust, taking care, however, that none of these is used too freely. When all danger from insects is over, thin to three or four plants to the hill.

**Surprise.** Fruit oval, slightly ribbed, netted in places, skin yellowish white; flesh deep salmon, of good quality. Vine hardy, productive and bears early. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Extra Early Hackensack.** Fruit of good size, nearly round, evenly and deeply ribbed and covered with coarse netting. Flesh green, a little coarse but very juicy and sweet and of good flavor. Vine very productive. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Cosmopolitan.** One of the most attractive varieties. Of medium size, nearly round, has no ribs. Color light green, but becoming covered when ripe with dense silver gray netting; flesh green, firm, sweet and of fine flavor. Vine hardy and very productive. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Osage, or Improved Miller's Cream.** Fruit of medium size, oval, slightly ribbed, dark green, and has shallow netting; flesh deep salmon, very thick, firm, very sweet and of rich flavor. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

**Bay View.** One of the largest and best melons, long, deeply ribbed, and covered with coarse netting; flesh green, thick and of finest flavor. Vine very productive and exceptionally hardy, and while late in bearing will mature its fruit in this latitude. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.25.

## WATERMELON.

One Ounce will plant Thirty Hills.  
Four Pounds will plant an Acre.

The watermelon succeeds on considerably lighter soil than that required for the musk melon. The culture is mainly identical except that the hills should be about eight feet apart and it is generally considered that the manure should be largely in or close to the hill.

**Sweetheart.** Fruit large, oval, very heavy; rind thin but firm; uniformly mottled light and very light green; flesh bright red, firm, solid but tender, melting and sweet. Retains its good qualities for a long time after ripening. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Kleckley's Sweet, or Monte Cristo.** One of the sweetest varieties, unsurpassed for home use or near market. Above medium size, dark green often with fine russeting, rind very thin; flesh bright red, crisp and tender. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 90c.

**Halbert Honey.** A new variety which rivals the Kleckley's Sweet in quality, while the vine is more productive. Fruit of medium size, blunt at both ends, deep glossy green; rind very thin; flesh crimson, entirely free from fiber, rich, sweet and melting. Unsurpassed for home use. Pkt. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.40.

**Cole's Early.** A small but very early variety, of fine quality, and sure to mature in any latitude where melons can be grown. Rind thin, skin green with white stripes, flesh dark red. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**Phinney's Early.** A standard early variety; of medium size oval; marbled with two shades of green; rind thin; flesh pink, sweet, tender, and crisp. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**Fordhook Early.** Ripens soon after the small Cole's Early and before the Phinney's Early, and is considerably larger than the latter. Skin dark green, sometimes having faint stripes of lighter green; flesh bright red, sweet and of fine quality. Pkt. 5c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 35c.; lb. \$1.25.

**Peerless, or Ice Cream.** Fruit oblong, of medium size; skin dark green, flesh scarlet, very sweet. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

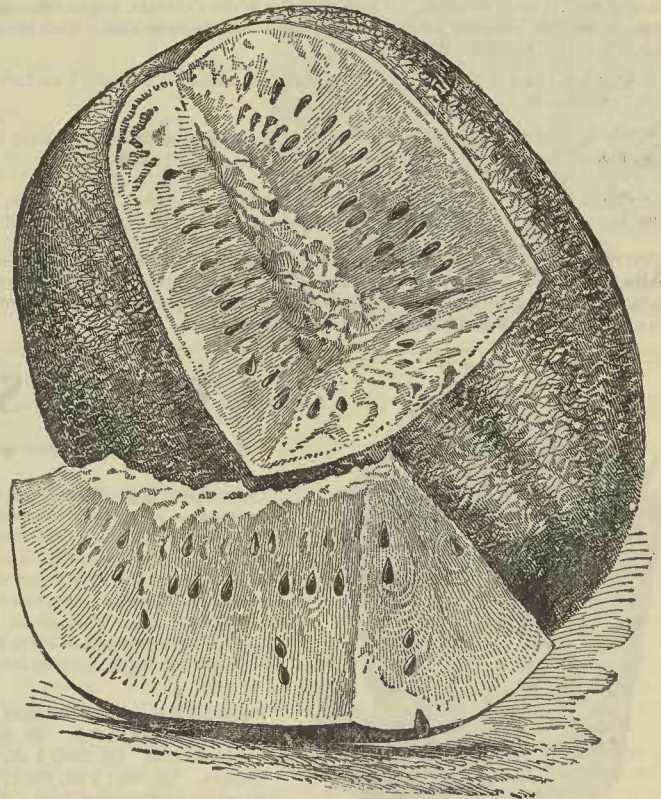
**Mountain Sweet.** An old variety, popular in New England. Rind green and rather thick; flesh scarlet, solid, very sweet, and of excellent quality. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**Kolb's Gem.** Fruit round or slightly oval and very large. Skin marked with irregular stripes of dark and light green; flesh bright red and rather coarse, rind very tough and hard, making it especially desirable for shipping. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**Cuban Queen.** Fruit large, globular or oval; skin beautifully striped light and dark green; rind thin but stands shipping well; flesh bright red, very solid, crisp and sweet. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

**Citron.** For preserving only. Pkt. 5c.; oz. 10c.; 2 oz. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 75c.

Prices on this page are postpaid. If desired by express or purchased at counter 10 cents may be deducted from price per pound.



Sweetheart



# ONION

An ounce will sow 100 feet of drill.

Four to five pounds to the acre.

The onion usually thrives best on old rich land but can be profitably grown only on such as has been kept free from weeds. If stable manure is used it should be either well-rotted or plowed into the soil the previous fall. As manure always contains more or less weed seeds, many large growers now use nothing but commercial fertilizer. Soil should be thoroughly pulverized by raking and as the bulbs should grow entirely out of the ground, if possible, it should be made firm by rolling. Sow in rows twelve to fourteen inches apart, one-half inch deep, and follow, if possible, with a light roller, if not, and the bed is small, the soil can be made firm with back of hoe. It is of the utmost importance that the bed be kept free from weeds, especially at first, in fact, if the weeds once get ahead of the young plants, the bed would better be plowed and devoted to some other purpose.

Except where quoted in five pound lots all prices for onion seed are postpaid, and are subject to a discount of 10 cents from the pound price if sent by express or purchased at counter.

Special quotations will be made for larger quantities than are here quoted.

**YELLOW GLOBE DANVERS.** More extensively grown than any other variety. Bulbs of globular form differing from the original Globe Danvers which, though the upper portion was somewhat similar, had a flat bottom. This more nearly resembles the Southport type, differing in being slightly flattened at both the top and bottom, ripens earlier, closely approaching in earliness the original type and is more nearly free from scallions in unfavorable seasons than the Southport varieties. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 18c.; 2 oz. 30c.;  $\frac{1}{4}$  lb. 50c.; lb. \$1.85; 5 lbs. at \$1.65 per pound.

**YELLOW GLOBE DANVERS.** Extra Selected. New England grown seed, largely from bulbs of our own selection. Bulbs of true globular form with unusually small neck, of rich deep color. Very attractive, firm and heavy; unsurpassed for storing or shipping. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.10; 5 lbs. at \$1.90 per pound.

**SOUTHPORT YELLOW GLOBE.** Bulbs nearly spherical slightly elongated at both top and bottom, not quite as early in maturing as our Selected Strain of Yellow Globe Danvers, a little more inclined to grow stiff-necked on some soils or in unfavorable seasons but when well grown bring the highest price, especially in New York markets. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.10; 5 lbs. at \$1.90 per pound.

**SOUTHPORT RED GLOBE.** Identical in form with the preceding; rich deep red, above medium size and one of the most attractive of all. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.10; 5 lbs. \$1.90 per pound.

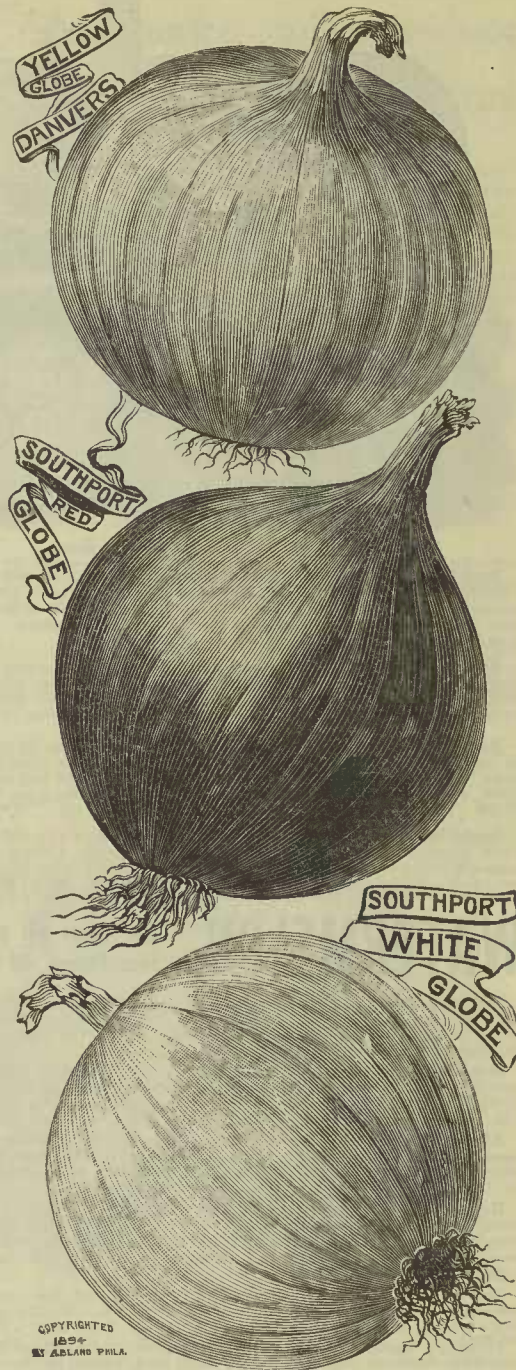
**SOUTHPORT WHITE GLOBE.** Of true globe shape. Not largely grown but brings the highest price in market of any variety. Later than the White Portugal, a better keeper, and, like all globe shaped varieties, a greater weight can be obtained on the same area. Pkt. 10c.;  $\frac{1}{2}$  oz. 20c.; oz. 35c.; 2 oz. 60c.;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.60.

**EXTRA EARLY RED FLAT.** The earliest red variety. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 15c.; 2 oz. 25c.;  $\frac{1}{4}$  lb. 40c.; lb. \$1.40.

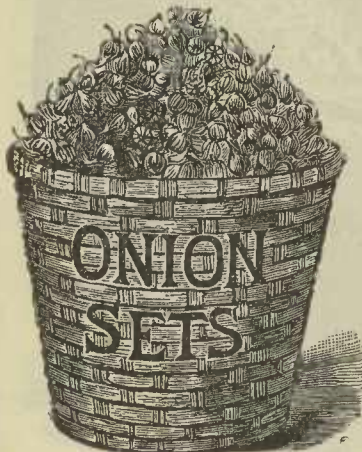
**WHITE PORTUGAL. OR SILVERSKIN.** An early white, flat variety, of medium size and mild flavor. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 45c.;  $\frac{1}{4}$  lb. 75c.; lb. \$2.60.

**LARGE RED WETHERFIELD.** The standard red variety. Bulb large, flattened but thick, skin deep purplish red. Pkt. 5c.;  $\frac{1}{2}$  oz. 10c.; oz. 18c.; 2 oz. 30c.;  $\frac{1}{4}$  lb. 50c.; lb. \$1.85.

**PRIZETAKER.** Bulb of the largest size, form nearly globular, skin thin, light straw color, flesh white, mild and sweet. Is quite sure to bottom, but is late and not a good keeper. Is largely used for sowing early in the hot-bed for transplanting, and for that purpose is an excellent sort. Pkt. 5c.;  $\frac{1}{2}$  oz. 12c.; oz. 20c.; 2 oz. 35c.;  $\frac{1}{4}$  lb. 60c.; lb. \$2.10.



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## ONION SETS.

If by mail add 10c. per quart to price.

Onion sets require rich soil and with the exception of the Egyptian, early planting. Rows should be the same distance apart as suggested for onions grown from seed, and sets should be planted from two to four inches apart, and only lightly covered with earth, the top of set just below the surface with any growth it may have made, above. Culture same as of onions from seed. White and yellow sets are grown from seed sown very thickly; the crop from sets is used both when half grown and when mature. Potato onions, and Shallots, are propagated by division of the large bulb into several small ones, the first growing as large as onions from seed, the latter are much smaller but are favorites with some because of their peculiar flavor, and are used both in the green state and when dry. Egyptian or Perennial sets are borne in clusters at the top of a tall seed stem; when once planted will live for years but are usually treated as annuals; form a bulbous root rather than a bulb, are only used when green and should be planted in the fall.

Prices for larger quantities than here quoted, given on application.

Either White or Yellow. Qt. 20c.;  $\frac{1}{2}$  pk. 60c.; pk. \$1.00.

Potato Onions. Qt. 20c.;  $\frac{1}{2}$  pk. 65c.; pk. \$1.25.

Shallots. Qt. 20c.;  $\frac{1}{2}$  pk. 60c.; pk. \$1.15.

Egyptian or Perennial Tree. Ready in September. Qt. 20c.;  $\frac{1}{2}$  pk. 50c.; pk. 90c.



**PARSLEY.** One ounce will sow 100 feet of drill.

Parsley thrives in rich mellow soil and owing to the very slow germination of seed succeeds best when seed is sown as early in the spring as ground can be worked. Sow in drills, one half inch deep, fourteen or sixteen inches apart and when well up thin plants to eight inches. It may be cut when three or four inches high and if soil is of the required richness will afford several cuttings during the season. The two varieties offered do not greatly vary. The Moss Curled is perhaps slightly more curled while the Double Curled is claimed by some to be the more productive of leaves and to better withstand dry weather.

**CHAMPION MOSS CURLED—EXTRA DOUBLE CURLED.** Each, pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

**PARSNIP.** One ounce will sow 150 feet of drill. Six pounds are required for an acre.

The parsnip thrives on any soil which is deep, mellow and moderately rich, but best on that which is rather light or sandy. Avoid the use of fresh manure as when used, roots are more inclined to be coarse, spongy, and ill shaped. Seed germinates slowly, should be sown fairly early and immediately after ground is prepared, that is before soil has become dry. Sow in rows eighteen inches apart, cover with one half inch of soil and make latter firm by rolling or with back of hoe. Thin plants to three inches apart. We may mention that under certain conditions parsnip seed will not germinate, notably when a driving storm immediately follows the planting. However unfortunate, the only recourse in such a case is to plow the land and sow again. Don't blame your seedsman, whoever he may be, for a result entirely beyond his control and for which nature only is responsible.

**ARLINGTON LONG SMOOTH.** Roots very long and smooth with full crown, desirable for deep soils and owing to the full crown is less liable to rot if left in the ground through the winter than the Hollow Crown.

**HOLLOW CROWN.** Roots of medium length, thicker at the top or shoulder than the preceding, succeeds better on shallow or stiff soil; crown slightly depressed, does not, on this account, keep as well in the ground through the winter as the Arlington Long Smooth but is more easily harvested and more extensively grown.

Of each variety we offer a choice selected strain. Each pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 20c. lb. 50c., postpaid; by express or freight lb. 50c., 5 lbs. or over 40c., per lb.

**PEPPER.** One ounce will produce from 1500 to 2000 Plants.

open ground which however should not be done until settled warm weather. Plants from seed sown inside should be transplanted when they have formed two leaves, to three or four inches apart and, when all danger of cold nights is passed, be hardened by exposure and decrease of water. They should be transplanted to open ground about the first of June. Set in rows two and one-half feet apart and about two feet apart in the row. A liberal application of any fertilizer rich in nitrogen will greatly assist the growth of plants which should at all stages be rapid.

**LARGE BELL OR BULL NOSE.** 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.

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

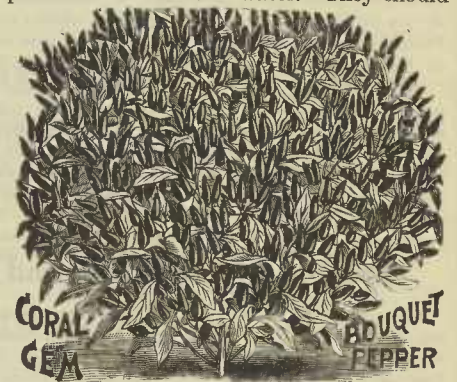
**LONG RED CAYENNE.** Fruit very slim, pointed, about four inches long and when ripe, bright red. Extremely pungent.

**RED CHILLI.** 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 ozs. 40c.,  $\frac{1}{4}$  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.

Peppers require a deep and rich but rather dry soil. Seed is usually sown early in April in the house or hot-bed but may be sown in the settled warm weather. Plants from seed sown inside should be transplanted when they have formed two leaves, to three or four inches apart and, when all danger of cold nights is passed, be hardened by exposure and decrease of water. They should



**CORAL GEM BOUQUET PEPPER**

**PUMPKIN.** One ounce will plant 12 to 18 hills. **SMALL SUGAR.** The popular variety in New England for pies; fine grained and sweet. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

**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 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

**MAMMOTH TOURS.** One of the largest in cultivation; good for feeding stock. Pkt. 5c., oz. 10c., 2 ozs. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

**CONNECTICUT FIELD.** The standard variety for feeding stock. Pkt. 5c.,  $\frac{1}{4}$  lb. 15c., lb. 58c.; postpaid by express, lb. 50c.

**PEAS.** Of the two varieties following one quart will plant 150 feet of drill, one bushel to the acre. Of the wrinkled sorts one quart will plant 100 feet of drill. One and one fourth to one and one-half bushel to the acre. Though light, warm soil is desirable for the extra early sorts peas generally succeed better on that which is moderately heavy. The early smooth peas are very hardy and may be planted as soon as frost is out of the ground and are sometimes planted in the fall. The wrinkled varieties are somewhat more tender and seed is more liable to rot if planted as early. Plant the early and dwarf varieties in drills two and one-half feet apart and three or four inches deep, but cover with but one inch of soil and fill trench gradually as plants grow. Plant the taller and later varieties in rows three to four feet apart and five or six inches deep, covering as already suggested.

**Extra Early ALASKA OR LAXTON'S EARLIEST OF ALL.** A very popular variety with market gardeners especially in New England. Vines grow about 2 $\frac{1}{2}$  feet in height, bearing abundantly pods which, although small, are always well filled. Peas small, bluish green. Postpaid,  $\frac{1}{2}$  pt. 14c., pt. 23c., qt. 40c.; by express or freight,  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c.,  $\frac{1}{2}$  pk. 80c., pk. \$1.50, bush. \$5.75.

**PEDIGREE EXTRA EARLY.** A long podded extra early variety maturing closely to Alaska. It was developed from a single pod by an expert pea grower and is of exceptional purity and remarkably uniform in ripening. At least two-thirds of the crop can be secured at first picking while the balance is ready for picking in a few days. Pods are longer than any other strain of this class and average to contain two more peas than Alaska. Peas also are larger and claimed by some to be of better quality. The vines grow from twenty-four to thirty inches high, produce pods singly and are considerably more productive than any other extra early variety. *Crop failed.*





## PEAS—(Continued)

All varieties but Black Eyed Marrowfat have wrinkled seeds.

Prices at counter are same as by express.

### Dwarf Early Varieties.

**American Wonder.** A well known and popular variety of very dwarf habit. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 26c.; qt. 45c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.

**Nott's Excelsior.** More extensively grown than any other dwarf variety. Vine grows a little taller than Premium Gem, more vigorously and is more productive. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 26c.; qt. 45c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.

**Premium Gem.** An improved strain of Little Gem, does not grow as tall, but is of more even growth and more productive. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 26c.; qt. 45c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.

**Sutton's Excelsior.** Vine grows a little taller than Nott's Excelsior, yields more and pods are larger, peas also are larger and equal in quality to any of the preceding. Destined to become the most popular early dwarf variety. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 28c.; qt. 50c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.10; pk. \$1.85; bush. \$7.00.

### Extra Early Varieties of Medium Height

**Surprise.** Vine 26 to 30 inches, hardy, productive. Pods  $2\frac{1}{2}$  to  $2\frac{3}{4}$  inches, slender, well filled. Peas small, of finest quality. The earliest wrinkled variety. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 23c.; qt. 40c.; By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 75c.; pk. \$1.40; bush. \$5.50.

**Gradus.** Vine 3 to  $3\frac{1}{2}$  feet with large, luxuriant light green foliage, on rich land, productive. Pods  $3\frac{3}{8}$  to 4 inches, straight, slightly curved at point, light green, very attractive, well-filled. Peas of largest size and fine quality. Matures soon after Nott's Excelsior. A remarkable variety, combining earliness of vine with peas of largest size and best quality to a degree never before known. Postpaid  $\frac{1}{2}$  pt. 16c.; pt. 28c.; qt. 55c.; by express or freight  $\frac{1}{2}$  pt. 12c.; pt. 20c.; qt. 40c.; 2 qts. 70c.;  $\frac{1}{2}$  pk. \$1.25; pk. \$2.25; bush. \$8.00.

**Thomas Laxton.** Vine resembles Gradus in size and habit but is much darker, hardier and more productive. Pods large and nearly as long as Gradus, ends blunt nearly square, much darker, even better filled with peas equal in size and quality. Its greater productiveness compensates for the slightly smaller pods and makes it a worthy rival of the Gradus. Postpaid  $\frac{1}{2}$  pt. 16c.; pt. 28c.; qt. 55c.; By express or freight  $\frac{1}{2}$  pt. 12c.; pt. 20c.; qt. 40c.; 2 qts. 70c.;  $\frac{1}{2}$  pk. \$1.20; pk. \$2.10; bush. \$7.75.

### Second Early, Medium and Late Varieties.

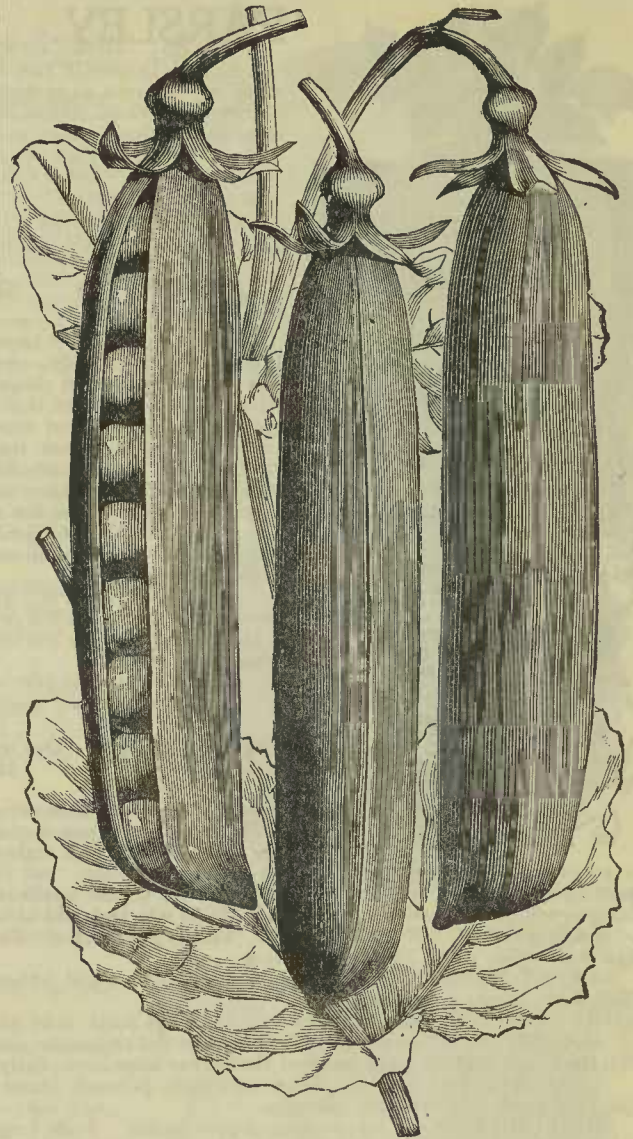
**Advancer.** An old favorite. Vine vigorous and productive. Pods of medium size, broad, well filled. Peas rather under medium size, of excellent quality. A good variety, but Gradus and Thomas Laxton are, in several respects, superior. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 28c.; qt. 45c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.

**Yorkshire Hero.** Vine 26 to 30 inches, stout and branching, hardy and productive. Pods 3 to  $3\frac{1}{4}$  inches long, broad, well filled with peas of largest size, which, though more mealy, than some, are of richest flavor and remain in good condition longer than those of most other varieties. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 23c.; qt. 40c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 75c.; pk. \$1.35; bush. \$5.00.

**Everbearing.** A popular variety. Vine grows taller but in other respects is very similar to Yorkshire Hero. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 23c.; qt. 40c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 75c.; pk. \$1.35; bush. \$5.00.

**Dwarf Champion.** A new variety, claimed to be equal in quality to Champion of England. Both peas and pod are considerably larger and vine is only about 3 feet high. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 26c.; qt. 45c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.

**Improved Stratagem.** Vine 24 to 28 inches, of vigorous habit, with good culture, productive. Pods  $3\frac{1}{4}$  to 4 inches, broad, attractive, well filled. Peas extra large and of finest quality. Unfortunately somewhat inclined to spot, which tendency however has, in a great measure, been overcome in the improved strain we offer. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 26c.; qt. 45c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c.; 2 qts. 55c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.75; bush. \$6.50.



Thomas Laxton.

**Telephone.** More extensively grown than any other of this class. Vine  $3\frac{1}{2}$  to 4 feet with large, light colored leaves on good soil productive. Pods large. Peas above medium size of best quality. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 28c.; qt. 50c. By express  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.10; pk. \$1.85; bush. \$7.00.

**Admiral Dewey.** A distinct, very productive variety growing  $3\frac{1}{2}$  feet high, bearing pods of the largest size, dark green, well filled with large peas of unsurpassed quality. Sold by some growers and dealers as an Improved Dark Podded Telephone. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 28c.; qt. 50c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.90; bush. \$7.50.

**Alderman.** Offered by some as a distinct new variety. Very nearly, if not quite identical with Admiral Dewey. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 28c.; qt. 50c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 20c.; qt. 35c.; 2 qts. 60c.;  $\frac{1}{2}$  pk. \$1.00; pk. \$1.90; bush. \$7.50.

**Champion of England.** Vine 4 to 5 ft., productive: Pods  $2\frac{3}{4}$  to 3 inches, broad, well filled. Peas of medium size, much shriveled, not surpassed in richness, sweetness and flavor. Postpaid  $\frac{1}{2}$  pt. 14c.; pt. 23c.; qt. 40c. By express or freight  $\frac{1}{2}$  pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 45c.;  $\frac{1}{2}$  pk. 85c.; pk. \$1.50; bush. \$5.75.

**Black Eyed Marrowfat.** Vine 4 to 5 ft., very productive. Pods large, well filled. Peas large, smooth, mealy. Postpaid  $\frac{1}{2}$  pt. 10c.; pt. 18c.; qt. 30c. By express or freight  $\frac{1}{2}$  pt. 6c.; pt. 10c.; qt. 15c.; 2 qts. 25c.;  $\frac{1}{2}$  pk. 45c.; pk. 75c.; bush. \$2.60.



# POTATOES

## Choice Northern Grown

Progressive Farmers Change Seed Often  
 ∴ BECAUSE IT PAYS ∴

### Extra Early Varieties.

**EARLY BOVEE.** Resembles the Queen; of good size, but few small tubers; of best quality. Pk. 50., bush. \$1.60, bbl. \$3.75.

**EARLY SIX WEEKS.** Of good quality even when hardly full grown, keeps well; form round slightly inclined to oblong; color light red or rose. Pk. 50c., bush. \$1.70, bbl. \$4.00.

**EARLY HARVEST.** An early white variety of finest quality. Vine unusually vigorous and productive. Pk. 50c., bush. \$1.70, bbl. \$4.00.

**EARLY NORTHER.** Closely resembles the Rose but of better form. Very popular. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**IRISH COBBLER.** Large and of excellent quality, round to oblong. By far the most popular early white variety. Vine very stocky withstands drouth better than other early sorts; productive. Pk. 50c., bush. \$1.70, bbl. \$4.00.

**EARLY ESSEX.** A seedling of the Rose which it resembles. Pk. 50c., bush. \$1.70, bbl. \$4.00.

**CLARK'S No. 1.** An old favorite of excellent quality. Resembles the Rose. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**EARLY ROSE.** The standard with which new early varieties are compared. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**NEW QUEEN.** A very popular sort. Closely resembles the Beauty of Hebron but is considerably earlier. A heavy



Early Six Weeks.

yielder and of excellent quality. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**BEAUTY OF HEBRON.** One of the most popular varieties; productive, early and of excellent quality. Pk. 50c., bush. \$1.60, bbl. \$3.75.

### Second, Early, or Medium Varieties.

**SPAULDING'S No. 4.** In color resembles the Rose, somewhat similar in shape but inclines to oblong. Uniform in size, of good quality, seldom rots. Has a record of 479 bushels to the acre, and in a comparative test, proved the heaviest yielder of 190 varieties. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**DELAWARE.** Succeeds well in all soils. A valuable combination of size, yield and quality. White throughout. Shape, oblong. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**PROLIFIC ROSE.** One of the heaviest yielders of all the Rose seedlings. A little later than the Early Rose; shape similar, color the same, except that the seed end is nearer red. Pk. 50c., bush. \$1.60, bbl. \$3.75.

### Late, or Main Crop Varieties.

**GREEN MOUNTAIN.** Of flat oval form. White, smooth and attractive. Ripens slowly and keeps well, of excellent quality. Very productive. Pk. 50c., bush. \$1.70, bbl. \$4.00

**GOOD TIMES.** A new and very productive variety. Tubers are very attractive never prongy or ill-shaped. Vine of vigorous growth, heavier than the Green Mountain and has so far proved rust proof. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**CARMEN No. 1.** 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. 50c., bush. \$1.60, bbl. \$3.75.

**RURAL NEW YORKER No. 2.** Very large and smooth; in form oblong, inclined to round; skin and flesh white. Of superior quality. A large cropper. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**CARMEN No. 3.** A handsome round white variety of the best quality, large, almost no small tubers. Claimed by the introducer to outyield any potato of its class. Vines large and vigorous, not troubled by bugs or blight as much as those of other sorts. Pk. 50c., bush. \$1.60, bbl. \$3.75.

**VERMONT GOLD COIN.** This potato is claimed by the introducers to be "the hardest, most vigorous in growth, most productive and the best in table quality of all potatoes, it has proved to be absolutely unequalled for main crop."

Reports in general very largely substantiate these claims.

The tubers are of a desirable size not over large like those of some varieties noted for their remarkable yield; in form slightly oblong, rather broad and quite thick and have small eyes, the skin is smooth, thin and glossy and of a light golden tint, sufficient in coloring to make the variety distinct from the white-skinned varieties. The flesh is pure white and when cooked is remarkably dry and mealy. The tubers grow closely together in the hill are easily dug and not being extra large the great yield is because of a remarkably even production of a large number of tubers, uniform in size, in each hill. The vine, as claimed, is of luxuriant growth and resists blight remarkably. The combination of desirable features will undoubtedly place the Gold Coin in the front rank of main crop varieties, if not eventually make it the leader of this class. Pk. 60c., bush. \$1.80, bbl. \$4.50.



# Radish

One ounce  
will sow  
100 feet  
of drill.

Radishes are now grown the entire year and may be sown when desired in hot-beds with moderate heat, either in rows six inches apart or broad-cast. Soil should be light and rich, preferably new soil and fine, rotted turf and commercial fertilizer. Seed may be sown outside very early, as soon as ground can be worked, in rows six to twelve inches apart, as desired, and one half inch deep. For our own use we prefer that plants shall be thick, commencing to use roots when twice the size of a large pea and only thinning when plants are so crowded as to prevent the formation of roots of a size suitable for use. Grown in this way and used from the size noted to that of a small marble, roots are tender and crisp and never have the thick skin so generally a feature of those found in our markets. If desired for some time, seed should be sown at intervals of two or three weeks. As with the hot bed, soil should be light and rich, if possible that which has recently been in grass. Avoid the use of both fresh manure and soil on which either radishes, turnips or cabbage were grown the previous year, as both are reasonably thought to be a cause of maggots. Commercial fertilizers are much preferable and especially is nitrate of soda valuable in



stimulating rapid growth, without which radishes are tough and stringy. Prices of all varieties. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 83c., postpaid; by express or at counter, lb. 75c., five pounds or over 60c., per pound.

**EARLY SCARLET TURNIP.** A small, round variety, with small tops and of quick growth. Popular both for forcing and out-door planting. Deep scarlet.

**EARLY SCARLET TURNIP. WHITE TIPPED.** Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for both forcing and out-side planting.

**ROSY GEM.** A selected strain of the preceding, tops small, very early.

**NON PLUS ULTRA, or DEEP SCARLET FORCING.** One of the earliest; tops very small, especially suited for forcing. Color deep, rich red; form, globular.

**SCARLET GLOBE.** The shape of this when first large enough for use is oval, in later stages of growth more nearly globular. Brilliant red, which it holds long after pulling. Tops are a little larger than those of some varieties, but it is, nevertheless, largely used for forcing because it is seldom pithy, excelling in this respect any other variety either when planted under glass or out doors.

**FRENCH BREAKFAST.** A stump-rooted radish; longer than the preceding varieties, often slightly larger at bottom of root than at the top. Bright scarlet, tipped white. An old favorite yet popular for the home garden, but little used by market gardeners.

**EARLY LONG SCARLET, SHORT TOP.** Once the most popular radish, but has been largely displaced by the round varieties. Six to eight inches long; ready to pull in twenty-five to thirty days from sowing.

**WOOD'S EARLY FRAME.** Similar to Long Scarlet, but shorter, of more brilliant color and slightly thicker at top, matures quicker and is more largely used for forcing.

**CHARTIER, or SHEPHERD.** A long variety, distinct, and one of the handsomest. Color, red at the top, shading through pink in the middle to white at the tip. Attains a very large size before being unfit for use. Too large to be used for forcing, but a desirable variety for out-door growing.

**WHITE STRASBURG.** A fine summer variety, growing about four inches long and two inches thick. Pure white.

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

**CHINESE ROSE WINTER.** A popular winter variety, roots cylindrical, slightly larger at the bottom, terminating abruptly. Grows about one-half above ground. Color of upper part scarlet, shading to rose in lower portion; 6 to 8 inches long.

Prices of all varieties. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 83c., postpaid; by express or at counter, lb. 75c., five pounds or over, 60c. per lb.

# Salsify

OR VEGETABLE OYSTER

One ounce will sow 50 feet of drill.

Sow early and deeper than parsnip, otherwise culture is the same and like that, roots, if desired, may be left in ground through the winter, but should be dug very early in the spring as they deteriorate rapidly after growth commences.

**MAMMOTH SANDWICH ISLAND.** Larger, of stronger growth and less liable to grow prongy than the old Long White. Pkt. 5c., oz. 15c., 2 ozs. 25c., ¼ lb. 30c., lb. \$1.00.

# Spinach

One ounce will sow 50 feet of drill; fourteen to sixteen pounds to the acre.

Spinach thrives only on rich land, the richer the better. For earliest use sow in August or September, in drills twelve to fourteen inches apart, covering seed one inch. Plants should stand two inches or more apart. Protect with a light covering of leaves or straw which should be removed at first signs of new growth in spring. For later or early summer use sow as early as ground can be worked in the spring. The entire crop should be cut before hot weather as after the leaves quickly become tough, stringy and of poor flavor. Prices of all except Savoy Leaved. Oz. 5c., ¼ lb. 10c., lb. 33c., postpaid; by express or freight or at counter, lb. 25c., 5 lbs. \$1.00; 100 lbs. \$15.00.

**ROUND THICK LEAVED.** Leaves large, thick, fleshy and slightly crumpled. More extensively grown than others, and used for both spring and fall sowing.

**EARLY GIANT THICK LEAVED.** Leaves very large and thick, deep green, attaining a size suitable for use earlier than the preceding and plant grows to a larger size before running to seed.

**LONG STANDING.** A variety which matures early and remains in condition for use longer than most others. Leaves smooth, rich dark green.

**VICTORIA.** Leaves large, exceedingly thick, very dark green, slightly curled in the center. A little later than Long Standing but surpasses even that in the desirable feature of remaining in condition for use for a long time. Especially desirable for spring sowing.

**SAVOY LEAVED or BLOOMSDALE.** The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed, and crimped like those of the Savoy cabbage. Oz. 5c., ¼ lb. 15c., lb. 43c., postpaid; by express, lb. 35c., 5 lbs. \$1.50.

# Squash

One ounce of the small-seeded varieties will plant 30 to 40 hills; of the large-seeded varieties, 12 to 15 hills.

The squash is very tender and should not be planted until all danger of frost and cold nights is passed. It thrives best in warm soil which can hardly be made too rich; manure should be worked well into the soil over the entire area and hills should have a liberal quantity of that which is well rotted. To avoid borers it is more or less the custom to plant as late as possible and is often done as late as the middle of June; in such case an application of commercial fertilizer or nitrate of soda greatly hastens the first growth. The early bush varieties are generally planted in hills about five feet apart and the running varieties about ten. Thin to three plants to the hill.

**MAMMOTH WHITE BUSH SCALLOP.** An improvement on the old variety, larger, pure white and superior in quality. Prices same as of Summer Crookneck.

**EARLY SUMMER CROOKNECK.** For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 83c., postpaid; by express, lb. 75c.

**MAMMOTH SUMMER CROOKNECK.** Vine larger and of more vigorous growth than the Summer Crookneck and fruit is twice as large, and deeper colored. Its large size and attractive appearance have made it popular with market gardeners. Prices same as of Summer Crookneck.

**FORDHOOK.** An early running variety, suited for either summer or winter use. Fruit small, oblong, eight to ten inches in length, with smooth, thin skin, bright yellow; flesh straw yellow, dry, sweet and of fine flavor. Excellent for baking or for pies; a remarkable keeper. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 88c., postpaid; by express, lb. 80c.

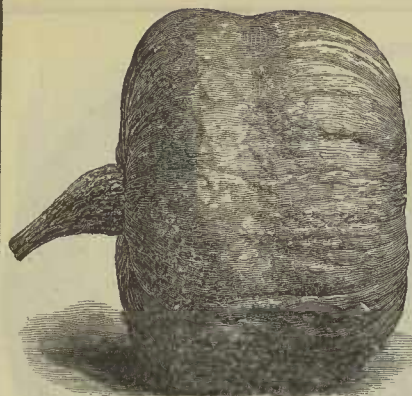


COPYRIGHT, 1893, BY M.B. FAXON CO.

**THE FAXON.** A very desirable variety for the home garden, 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. Prices same as of Fordhook.



## SQUASH—(Continued)



Essex Hybrid

**Prolific Marrow.** (DUNLAP'S.) The earliest fall variety; from a week to ten days earlier than any other Marrow. Color deep orange. Skin considerably pitted. Not as thick meated as the Orange Marrow nor quite equal in quality, but especially desirable on account of its earliness, and also because it is very prolific. Postpaid, pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 85c. By express or at counter, lb. 75c.

**Orange Marrow.** Also an early variety, generally considered identical with the Prolific Marrow, but differs sufficiently to be catalogued as a variety. It is identical in color and pitting but is more nearly round, later, much thicker meated and of better quality. Price the same as of Prolific Marrow.

**Boston Marrow.** This grows larger than either of the preceding but is not of as deep color. Skin thin, yellow with pinkish tint. Desirable for pies, not as dry as the Hubbard. Price the same as of Prolific Marrow.

**Essex Hybrid.** A cross of the Hubbard and old Turban, partaking somewhat of the features of both. Like the Hubbard, it is hard shelled. In color it is like the Turban and in form somewhat resembles it, but an improvement. Of fine flavor and quality and an excellent keeper. Price the same as of Prolific Marrow.

**Bay State.** Similar in shape to the Essex Hybrid; shell slate color and harder, and flesh is dryer than of that variety. Of excellent flavor and very solid. Price the same as of Prolific Marrow.

## Golden Hubbard

A 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.

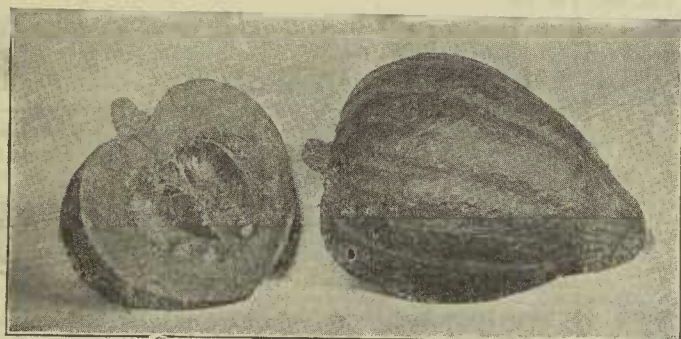
Postpaid, pkt. 5c.; oz. 10c.; 2 ozs. 15c.;

$\frac{1}{4}$  lb. 25c.; lb. 90c.

By express or at counter, lb. 80c.



Golden Hubbard



Delicious

## Delicious

This new squash, the product of years of careful selection and crossing, in form ranges between the two specimens shown in illustration. In color it is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as the original Hubbard. In size it also closely follows the Hubbard when introduced, which weighed between five and ten pounds. The flesh is dark orange, and but few varieties, if any, surpass it in thickness, and none in its combination of fineness of grain, dryness, sweetness and rich flavor. It is a fall and winter squash excellent at all seasons, but like the old Hubbard does not acquire its best quality until winter.

Postpaid, pkt. 5c.; oz. 10c.;

$\frac{1}{4}$  lb. 30c.; lb. \$1.00.

By express, lb. 90c.

**Hubbard.** A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. Postpaid, pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 25c.; lb. 85c. By express or at counter, lb. 75c.

**Chicago or Warty Hubbard.** A selection of the Hubbard with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain, unsurpassed by any we have ever seen. Price same as of Hubbard.

**Golden Bronze.** A cross 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 the peculiar wrinkled appearance of the skin like the Boston Marrow. Very uniform in size, and weighs about nine pounds. Skin dark grayish green with bronze on upper surface when ripe. Flesh bright yellow, fine grained, very sweet and of fine flavor. Matures early, but keeps well, and the vine is very productive. Price the same as of Delicious.

**Marblehead.** Form oval; shell hard, slate colored. Dry, of delicious flavor, and a good keeper. Postpaid, pkt. 5c.; oz. 10c.; 2 ozs. 15c.;  $\frac{1}{4}$  lb. 20c.; lb. 75c. By express, lb. 65c.

**Large Winter Crookneck.** Vine resembles that of the pumpkin; easily grown; seldom troubled by borers; very productive. Price the same as of Marblehead.

**Mammoth Chili.** The largest variety, attaining under special cultivation an enormous size. Pkt. 10c.; oz. 20c.;  $\frac{1}{4}$  lb. 60c.



Golden Bronze



# TOMATO

An ounce will produce  
about 2000 plants

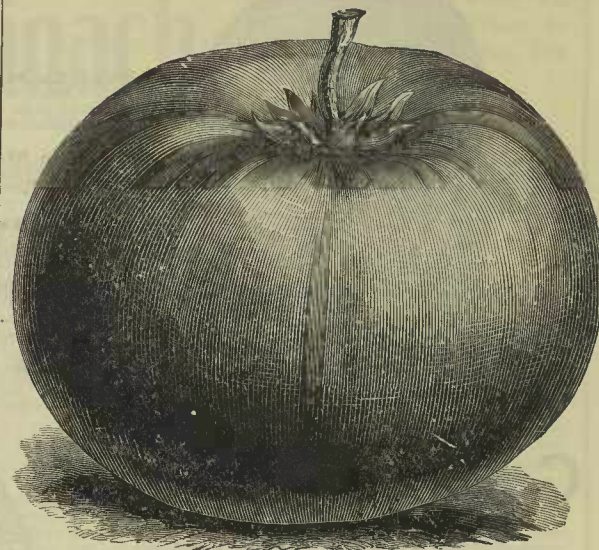
The tomato succeeds best in light, warm soil, of medium fertility. Strong and rich soil tends to an overgrowth of vine and if such is the only soil available, the vines would better be trained to stakes and pruned. And this method is an excellent one for any soil as the fruits are kept from the ground, by pruning are more open to the sun and ripen earlier, and the vitality, otherwise exhausted in unnecessary growth, utilized in forming fruits of larger size, more nearly perfect in shape and of better quality. If this plan is adopted, select, when plant is about ten inches high the strongest branch and pinch off all others except this and the main stem. Care should be taken that the fruiting stems are not pinched off. Such however can soon be distinguished as the buds form early. As the two stems grow they should be tied at intervals of eight or ten inches to a stake driven deeply into the ground and which should be at least six feet high as all varieties, except those of dwarf habit will grow about as tall as this and the most vigorous often much taller. The side branches, which continue to start, should be trimmed off. Seed should be sown in the hot-bed or in the house in boxes from six to eight weeks before time to set plants in the open ground which, in this latitude, is usually close to the first of June. When the plants have attained four leaves, transplant into the cold frame or, if seeds were sown in the house, into shallow boxes, allowing about four inches between the plants. Strong, stocky plants at time of setting can be obtained only by an unchecked growth, especially in the first stages, and plenty of air at all times. The dwarf sorts should be set in rows about three and one-half feet apart, and two and one-half feet apart in the row; the stronger growing varieties in rows four or five feet apart and at a proportionate distance in the row unless intended to be staked and pruned when they may be set somewhat closer.

**Earliana.** An extra early variety much superior in smoothness and solidity to any of the older extra early sorts and larger. Vine of rather slender habit, hardy and productive. Fruit deep red; borne in clusters. Pkt. 5c.;  $\frac{1}{2}$  oz. 18c.; oz. 30c.; 2 oz. 50c.;  $\frac{1}{4}$  lb. 90c.

**June Pink.** Practically a pink Earliana, the plant being identical in habit and bearing at the same time, while the fruits are the same except in color. Growers for market, demanding a tomato of this color will find this a valuable acquisition. Pkt. 10c.;  $\frac{1}{2}$  oz. 20c.; oz. 35c.; 2 oz. 60c.;  $\frac{1}{4}$  lb. \$1.10.

**Acme.** An old early variety, yet popular with many growers. Fruit of good size, always round and smooth, seldom cracks, and of best quality; bright pink. Vine large and productive, bears first fruits very early and continues in bearing until frost. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Beauty.** The best of its color for main crop. Fruit deep purplish pink, the largest of all the perfectly smooth tomatoes, and not surpassed in quality



The Stone

Vine large, vigorous and a heavy bearer. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Chalk's Early Jewel.** Fruit above medium size or large; deep, smooth, solid and of finest flavor, bright red. Vine vigorous and remarkably productive. One of the best of its color and time of ripening. About ten days later than Earliana. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Imperial.** Fruit large and very attractive, resembling the Beauty, is not quite as large but ripens a little earlier, is always smooth and not surpassed in quality. Vine vigorous and remarkably productive. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Perfection.** Until the Stone was introduced the standard red tomato and yet largely grown. Fruit medium to large, round and smooth and of superior quality. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Stone.** A large, very solid and heavy red fruited sort of exceptional firmness. One of the best varieties for shipping and not surpassed for main crop by any other of its color. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Livingston's Globe.** A new variety of merit. Fruit mostly very large, mainly elongated or globe shaped. Smooth, solid and of best quality. Vine vigorous and productive and bears earlier than most main crop varieties. Pkt. 10c.;  $\frac{1}{2}$  oz. 18c.; oz. 30c.; 2 oz. 50c.;  $\frac{1}{4}$  lb. 90c.

**Dwarf Champion.** Vine dwarf and compact and of erect habit, early and productive. Fruit of medium size, smaller toward the end of the season. Purplish pink. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.; 2 oz. 40c.;  $\frac{1}{4}$  lb. 75c.

**Dwarf Stone.** Vine similar in habit to Dwarf Champion, but more vigorous and more productive. Does not bear as early but fruits are much larger and more uniform in size. Were it not that the color of the Dwarf Champion is preferred by many, this would displace it entirely. As it is it is rapidly growing in favor. Bright red. Pkt. 5c.;  $\frac{1}{2}$  oz. 18c.; oz. 30c.; 2 oz. 50c.;  $\frac{1}{4}$  lb. 90c.

**Golden Queen.** A very attractive variety. Fruit large, smooth, solid and we think of richer flavor than any of the standard varieties. Should be more largely grown for home use. Pkt. 5c.;  $\frac{1}{2}$  oz. 15c.; oz. 25c.

**Red Pear.** Fruit bright red, rather small, distinctly pear-shaped; of rich flavor and used largely for preserving. The stock we offer is the true pear shaped, not the large red plum often sold for it. Pkt. 5c.

**Yellow Pear.** Identical with Red Pear except in color. Clear yellow. Price. Pkt. 5c.

**Yellow Plum.** Small, plum-shaped fruit of rich flavor. Desirable for preserving and pickling. Pkt. 5c.

**Yellow Husk, Strawberry or, Ground Cherry.** Fruit about the size of a small cherry, borne in husks; of very rich flavor, used only for preserves. Plant also distinct. Pkt. 5c.



Livingston's Globe



# TURNIP

An ounce will sow 150 ft. of drills

If sown in drills one pound is required for an acre; if sown broadcast less seed is sufficient if sown evenly.

Turnips thrive in well enriched medium to light soil succeeding best on land that was shortly before in grass enriched at time of sowing with a liberal application of commercial fertilizer. They should not be grown on the same land two years in succession nor should they follow a crop of cabbage or radish. While seed is more or less sown in the spring the roots are generally hardly fit to eat; nearly always wormy and always bitter. And while for a long time it was held that the 25th of July was the latest date at which turnips could profitably be sown more seed is now sown after that than before, and good roots are often obtained from seed sown as late as September 1st. The roots are much sweeter if they do not attain their size until after several hard frosts. The above regarding the time of sowing applies only to the English or common turnips, the Swedes or rutabagas, requiring a longer season should be sown in July. The rows of the English varieties should be from one and one-half to two feet apart and plants thinned to four or seven inches according to variety and its top growth. These varieties are often sown broadcast and too often too much seed is used; a half pound is sufficient for an acre if sown evenly. The Swedish varieties require more space; rows should be at least two and one-half feet apart and plants should not be nearer than ten inches. Seed of this class should never be sown broadcast.

Prices at counter are the same as by express.

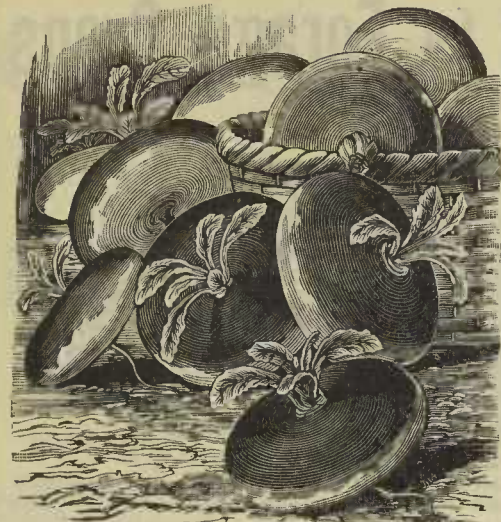
**EARLY WHITE MILAN.** Roots flat, smooth and symmetrical; pure white. Top very small, upright and compact, permitting close planting. The earliest and much the best of any extra early white variety. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 85c. By express, lb. 75c.

**EARLY PURPLE TOP MILAN.** Differs from the preceding in that the roots are not quite as thick and purple on top. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 85c. By express lb. 75c.

**WHITE EGG.** More extensively grown than any other variety. White, egg shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild. We offer a selected strain. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 60c.

**GOLDEN BALL, OR ORANGE JELLY.** Of perfectly globular form, medium size and with skin of rich orange this one of the most attractive and is also one of the best in quality. The flesh is pale amber, and very fine grained, mild and sweet, keeps well. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60. By express, lb. 50c.

**YELLOW GLOBE.** The standard yellow variety. Round, slightly flattened. Largely grown for stock and to some extent for market. An excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 50c.



Purple Top Milan.

**EARLY PURPLE TOP FLAT.** A well-known variety and very extensively grown. Roots smooth, white with the upper portion purplish red. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 50c.

**EARLY SNOWBALL.** Pure white, round, of medium size. Ready for the table six weeks after planting. Of fine quality. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 70c. By express, lb. 60c.

**EARLY PURPLE TOP WHITE GLOBE.** One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. Owing to its strong growth should be more severely thinned than other early varieties. We offer New England grown seed of a selected strain which repeated trials have shown to be much superior to those generally offered. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 70c. By express, lb. 60c.

## Swedish, Russian or Ruta Baga

**SWEET GERMAN.** An old variety yet largely grown, mainly for table use. Sweet and mild. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60. By express, lb. 50c.

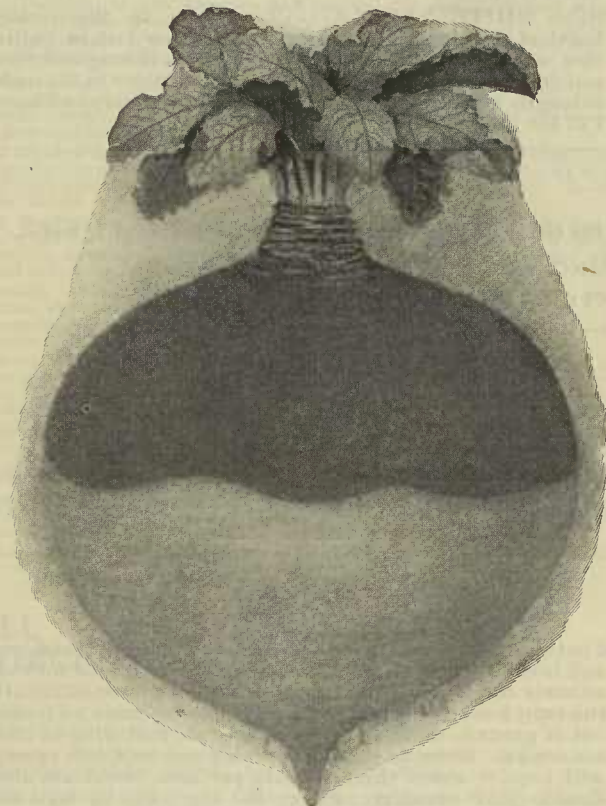
**WHITE FRENCH, OR ROCK.** Also an old and popular sort. Roots a little longer than Sweet German but does not otherwise differ. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60. By express, lb. 50c.

**BUDLONG.** Originated in Rhode Island by Mr. Budlong, a very extensive grower of Ruta Bagas. Earlier and more nearly round than other white varieties of this class. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 50c.

**BREADSTONE.** An early variety, white faintly colored at top; of medium size; tender, mild and sweet. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60. By express, lb. 50.

**SHAMROCK.** A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 50c.

**LONG ISLAND IMPROVED.** This is undoubtedly the finest variety of Purple Top Ruta Baga. It grows much larger than other American varieties, is therefore desirable for stock, but equally desirable for the table and market as it is tender and sweet and of very attractive appearance. Postpaid, pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c. By express, lb. 50c.



Long Island Improved Swede.

## HERBS. Sweet or Pot.

	PKT.	OZ.		PKT.	OZ.
CARAWAY	.05	.10	SAGE	.05	.20
CORIANDER	.05	.10	SUMMER SAVORY	.05	.20
DILL	.05	.15	SWEET MARJORAM	.05	.20
FENNEL	.05	.15	THYME	.05	.40



# Grain and Miscellaneous Seeds for Forage Crops

PRICES SUBJECT TO CHANGES OF THE MARKET.

## BARLEY.

For Grain, 2 bushels to the acre; for forage, 3 bushels.

**CHEVALIER.** Two rowed, more largely used for forage than the six rowed. Seed grown on the irrigated lands of Montana, very plump, extra heavy and nearly white. Pk. 45c., bush. (48 lbs.) \$1.50.

**MANSURY.** Six rowed, a popular variety. Pk. 40c., bush. \$1.40.

**BEARDLESS.** Earlier than any bearded variety and entirely free from beards. Pk. 40c., bush. \$1.50.

## BUCKWHEAT.

For Grain, 1 bushel to the acre; for soiling, 1½ bushel.

**JAPANESE.** By far the best variety. Earlier, yields better and grain is larger than of other kinds. Pk. 45c., bush. (48 lbs.) \$1.50.

## OATS.

For Grain, 2½ bushels to the acre; for forage, 3 bushels, or with Canada peas, 1 to 1½ bushel.

**AMERICAN.** Selected, heavy and well cleaned. Pk. 20c., bush. (32 lbs.) 80c.

**CLYDESDALE.** (American grown). Extra heavy, much more desirable for grain crop than preceding. Pk. 35c., bush. (32 lbs.) \$1.15.

**LONG'S WHITE TARTAR.** Claimed to be the earliest, heaviest and most prolific domestic-grown Oat in cultivation, and suitable for all soils. The straw is long and stout, and does not easily lodge. The heads are from 8 to 10½ inches in length while the kernels are very large, plump and heavy. Pk. 35c., bush. \$1.15.

## RYE.

For Grain 1 bushel to the acre; for forage or soiling, 1½ bushel.

**SPRING RYE.** Pk. 50c., bush. (56 lbs.) \$1.75.

**WINTER RYE.** Pk. 40c., bush. (56 lbs.) \$1.35.

## WHEAT.

1 to 1½ bushel to the acre.

**SPRING.** Pk. 60c. bush. (60 lbs.) \$2.25.

**WINTER.** Rapidly increasing in favor as an early forage crop. Price liable to be either lower or higher according to crop. Write for price in early fall. Pk. 55c., bush. \$2.00.

## DWARF ESSEX RAPE.

Used both for green manuring and for pasturing sheep and hogs, and is considered by many to be the cheapest feed for these animals and to leave the land in an improved condition after the crop has been eaten by them. Sow as soon as frost is out of ground, the crop will be ready for pasturing in about six weeks. Sown in drills, two and one-half feet apart, it will require about three pounds per acre, broadcast about double that quantity. Price, 1b. 12c.; 1b. by mail 25c., 10 lbs. \$1.00, 25 lbs. or over, 9c. per pound.

## PEAS. Canada Field.

Sown alone, 1½ bushels to the acre; with oats, 1 bushel.

These are extensively planted for green forage, generally with oats but are sometimes sown with barley. They are also sown alone for plowing into the soil and for making into hay. Pk. 50c., bush. (60 lbs.) \$1.75.

## VETCHES.

Sown alone, 1½ bushel to the acre; with oats or rye, ½ to ¾ bushel.

**SPRING VETCH, OR SPRING TARE.** Used for same purpose as Canada peas. Pk. 75c., bush. (60 lbs.) \$2.75.

**WINTER, SAND OR HAIRY VETCH.** This thrives on poor, sandy soil, and will produce heavy crops of hay or green forage. It is perfectly hardy, may be sown either in spring or fall, and will remain green through the winter. It is claimed to be more satisfactory than Crimson Clover, as it may be sown later and produces a larger crop of green foliage earlier in the spring. It makes an excellent cover crop, preventing washing by winter storms. It may be sown with rye, the latter making a support for the vine. Lb. 12c., 10 lbs. \$1.10, 100 lbs. \$10.50.

**COW PEA.** This is not only an excellent forage plant, but a great soil enricher as well, and has been rightly termed the "poor man's bank," as, in common with all leguminous plants, it increases the fertility of the soil upon which it grows. Seed may be planted in drills or broadcast; the amount varying from 8 quarts to 2 bushels per acre, less of course being required if sown in drills 18 to 30 inches apart than when broadcast. It may be covered to the depth of 2 or 3 inches. While there are a number of varieties, we have not thought it necessary to offer but two. Of these the Whippoorwill is here used much in excess of the other.

**CLAY.** Pk. \$1.00, bush. (60 lbs.) \$3.75.

**WHIPPOORWILL.** Pk. \$1.00, bush. \$3.65.

**SOY, OR SOJA BEAN.** ½ to ¾ bushel to the acre in drills 2½ to 3 feet apart.

This is another valuable legume growing in favor for forage and ensilage, succeeding fairly well on land too light for clover.

**MEDIUM EARLY YELLOW.** Pk. 85c., bush. (60 lbs.) \$3.00.

**MEDIUM EARLY GREEN.** Pk. \$1.15, bush. \$4.00.



Dwarf Essex Rape.



# Grass Seeds of the Highest Grade



With the exception of Red Top and Timothy, of which two grades are offered, the seeds of all varieties of grasses is of the grade known as "fancy"—the highest grade obtainable and as nearly pure and free from weed seeds as the greatest care and most improved machinery can make it. This should be remembered when comparing prices.

Prices of all grass seeds subject to market changes.

If desired by mail add 8 cents per pound to prices quoted.

25 lbs. at the 100 lb. rate.

**Awnless Brome Grass.** (*Bromus Inermis.*) A hardy and productive grass, thriving on very dry and poor soil where most other grasses would not grow. Lb. 18c.; 100 lbs. \$15.00.

**Canada Blue Grass.** (*Poa Compressa.*) Thrives on poor dry soil and also on hard clayey ground, withstands extremes of drouth or wetness, bears trampling well and remains green till winter. A valuable grass for pastures. Lb. 15c.; 100 lbs. \$14.00.

**Creeping Bent.** (*Agrostis Stolonifera.*) Of rapid growth, fine texture and spreading habit. Forms a very close and permanent sod. Especially valuable for lawns. Lb. 30c.; 100 lbs. \$28.00.

**Crested Dogs-tail.** (*Cynosurus Cristatus.*) Thrives best on moist rich soil, but accommodates itself to nearly all soils. Grows well in the shade. Valuable in moderate quantity for permanent pasture and lawns. Lb. 45c.; 100 lbs. \$40.00.

**English or Perennial Rye Grass.** (*Lolium Perenne.*) Of rapid growth and productive; produces a strong growth in four or five weeks. Made into hay it is rather hard but is very nutritious and is much relished by cattle and horses. Lb. 12c.; 100 lbs. \$9.00.

**Hard Fescue.** (*Festuca Durisucula.*) A variety of sheep's Fescue of dwarfer habit, like that thrives on poor soil and is very hardy. Lb. 20c.; 100 lbs. \$15.00.

**Italian Rye Grass.** (*Lolium Italicum.*) Thrives on a variety of soils, producing early and large crops. Though a perennial it is short lived and generally treated as an annual. Valuable for soiling. Sown in the fall will produce a large crop of hay the following season. Lb. 12c.; 100 lbs. \$9.00.

**Kentucky Blue Grass.** (*Poa Pratensis.*) One of the most valuable grasses for pasture and lawn, requires sometime to become established but lasts indefinitely on congenial soils. Lb. 18c.; 100 lbs. \$15.00.

**Meadow Fescue.** (*Festuca Pratensis.*) Largely used for both temporary and permanent mowing mixtures. Though at once productive it does not reach its full production for two or three years, when it surpasses most other grasses. Succeeds best on cool moist soil, rich in organic matter. Should not be sown on light dry soils. Lb. 30c.; 100 lbs. \$28.00.

**Meadow Foxtail.** (*Alopecurus Pratensis.*) A very early grass of great value for pastures sown with other grasses on rich moist land. Lb. 30c.; 100 lbs. \$25.00.

**Meadow Brome Grass.** (*Bromus Pratensis.*) Similar to Awnless Brome but does not grow as tall. Like that thrives on dry poor soil; makes good hay if cut before flowering. Lb. 20c.; 100 lbs. \$15.00.

**Orchard Grass.** (*Dactylis Glomerata.*) One of the most valuable grasses, in the opinion of some should form the base of most mixtures for both permanent

meadows and pastures. Very early and productive, bears well frequent mowing and constant cropping, and is more nutritious than Timothy. Lb. 20c.; 100 lbs. \$18.00.

**Red or Creeping Fescue.** (*Festuca Rubra.*) A creeping rooted grass, forming a close firm turf, thriving in poor soil and exposed situations. Grows well in the shade. Lb. 30c.; 100 lbs. \$28.00.

**Red Top.** (*Agrostis Vulgaris.*) Next to Timothy the most largely used grass, succeeds best on moist soil but thrives well on a variety of soils and is valuable for permanent mowing, pastures and lawns. Recleaned or Fancy, Lb. 20c.; 100 lbs. \$18.00. Common or Chaff. Lb. 10c.; sack of 50 lbs. \$4.00.

**Rhode Island Bent.** (*Agrostis Canina.*) Of fine growth, forming a close and permanent sod. One of the best lawn grasses and desirable for pasture mixtures. Lb. 25c.; 100 lbs. \$22.00.

**Rough Stalked Meadow Grass.** (*Poa Trivialis.*) Thrives on moist rich land. Valuable for both meadows and pastures but should be used only in mixtures. Especially desirable for shaded lawns. Lb. 45c.; 100 lbs. \$40.00.

**Sheep's Fescue.** (*Festuca Ovina.*) Of low, dense growth, thriving on dry soils; valuable for pastures. Lb. 18c.; 100 lbs. \$15.00.

**Sweet Vernal.** (*Anthoxanthum Odoratium.*) Used in small quantity in both meadow and pasture mixtures on account of its pleasing fragrance and is especially desirable for the pasture, because of its both early and late growth. True perennial variety. Lb. 75c.

**Tall Meadow Fescue.** (*Festuca Elatior.*) On strong, moist or clayey soils, very productive and permanent. Very nutritious, readily eaten by all stock; should form a part of all meadow and pasture mixtures for moist soil. Lb. 30c.; 100 lbs. \$28.00.

**Tall Meadow Oat Grass.** (*Avena Elatior.*) A very hardy species, making an early and luxuriant growth and continuing to grow until late in the fall and is therefore especially desirable for pastures. It makes good hay and when used for soiling can be cut several times in the season. Lb. 25c.; 100 lbs. \$20.00.

**Timothy.** (*Phleum Pratense.*) More largely used than any other grass, but often when other varieties would be more profitable. Worcester Grade. Always the highest grade of heavy recleaned seed. Lb. 8c.; bushel (45 lbs.) \$2.60. Prime Grade. Lb. 7c.; bushel \$2.40.

**Variou Leaved Fescue.** (*Festuca Heterophylla.*) Of early growth and permanent, thriving best in cold, moist land, rich in humus and potash. Grows well in the shade. Valuable in mixtures for permanent mowing, pastures and shaded lawns. Lb. 25c.; 100 lbs. \$22.00.

**Wood Meadow Grass.** (*Poa Nemoralis.*) A very early, hardy and permanent species, valuable for shaded lawns and permanent pasture mixtures. Lb. 50c.; 100 lbs. \$45.00.

Mixtures of grass seeds are rapidly increasing in favor with progressive farmers, and there's a reason for it—they produce larger crops—of better hay—and for a much longer period than does either timothy or red top, sown either separately or together. And for the pasture the mixtures is even more preferable. We give the reason on next page, and there describe and quote prices for the various mixtures for the meadow and pasture.

For mixtures for the lawn see pages 2 and 3.

## CLOVERS

## CLOVER, LIKE ALL OTHER LEGUMES, ENRICHES THE LAND ON WHICH IT GROWS.

**Medium Red.** (*Trifolium Pratense.*) The well-known red clover. Lb. 16c.; 100 lbs. \$15.00.

**Mammoth or Pea Vine.** (*Trifolium Pratensis var.*) A variety of the preceding of larger growth. Lb. 17c.; 100 lbs. \$16.00.

**Alsike or Swedish.** (*Trifolium Hybridum.*) Hardy, productive, fragrant succeeds best on stiff, cold soils. Lb. 20c.; 100 lbs. \$19.00.

**White.** (*Trifolium Repens.*) Used in nearly all mixtures for lawns and valuable for pasture mixtures. Lb. 25c.; 100 lbs. \$20.00.

**Crimson.** (*Trifolium Incarnatum.*) An annual used for soiling and for plowing under to enrich the soil. Lb. 10c.; 100 lbs. \$9.00.

**Alfalfa.** (*Medicago Sativa.*) Grown extensively in the West and in some parts of the South. While its growth in the East is yet in the experimental stage demand for seed increases yearly. Lb. 22c.; 100 lbs. \$21.00.



# MILLETS

**Hungarian Grass.** (*Panicum Germanicum.*) Used extensively in New England for forage and to some extent for hay. It withstands drought well, succeeds on any ordinary soil, and on rich land two crops may be grown the same season. 48 lbs. to the bushel. One bushel to the acre. Pk. 45c.; bush. \$1.65.

**German or Golden Millet.** (*Setaria Italica.*) Of stronger, ranker growth than the preceding and requires richer land. It has an abundant foliage; is, therefore, an excellent forage crop and makes a coarse, rather harsh hay, but which is readily eaten by all kinds of stock if cut at the proper time. 50 lbs. to the bushel,  $\frac{3}{4}$  to 1 bushel to the acre. Pk. 50c.; bush. \$1.70.

**Siberian or Russian Millet.** Resembles Hungarian but plant is much larger. The leaves start close to the ground and continue nearly to the top. And not only does the plant produce more leaves than either Hungarian or German Millet but the leaves are wider and more tender and when made into hay this is said to be preferred by stock to any other millet. It also is claimed that it will stand drought better than other millets. Matures about the same time as Hungarian 50 lbs. to the bushel,  $\frac{3}{4}$  bushel to the acre. Pk. 55c.; bush. \$2.00.

# Japanese or Barnyard

## Millet (Panicum Crus Galli)

This comparatively new yet popular forage plant is of very rank growth, from six to seven feet high, with much larger leaves than any of the preceding. Like all coarse growing plants it needs abundant plant food and when given this on good soil the yield is immense. While its use has been largely confined to soiling purposes, it may be used for ensilage, and is, when cut at the proper stage and made into hay, readily eaten by both cattle and horses. Probably no other forage plant ever sprang so quickly into popular favor, and that it will continue to occupy a prominent place among our forage plants is beyond doubt. It may be sown from May 15th to July. 15 lbs. to the acre. Lb. 12c.; 10 lbs. \$1.00; 25 lbs. \$2.15; 100 lbs. \$9.00.

# MIXTURES OF GRASS SEEDS FOR MEADOWS AND PASTURES

It seems to us to be beyond dispute that a thicker growth; therefore larger yield, may be obtained by sowing a mixture of many varieties than by the use of one or a few. Many of the grasses of fine growth are rich in nutritive quality and of heavy bottom growth, but their scanty top growth makes them unsuitable for sowing alone. Combined, however, with those of coarser and taller growth, they fill the interstices, restraining the rank growth of the latter, making them thereby more tender and greatly increase the total yield, the whole producing not only a larger yield and much heavier aftermath at once, but if properly combined for many years.

We are confident that a trial of any of the following mixtures will prove that each for the purpose indicated is superior in various respects to the common method of seeding with timothy and red top. For though each of these is a very excellent and necessary grass, used alone or together, they are inadequate for the largest production and most permanent results and in some locations or soil entirely unsuited.

The mixed clovers, of which with each mixture we advise a quantity per acre, are offered separately because on account of their greater weight, they should be sown separated and in this latitude not later than August. Being prepared and offered separately, the quantities advised may be increased or diminished or omitted entirely at option of customer.

## Mixture for Mowing for Medium Soil

On soil which is of average natural fertility and neither unusually dry nor wet, well enriched before sowing and regularly top-dressed, in short on soil which will produce good timothy hay this mixture will produce at first cutting a larger crop and a much heavier aftermath of hay, which, though not like timothy saleable in cities for feeding horses, is nevertheless superior for feeding to both cattle and horses, because richer in nutriment, and more readily eaten because more tender, that is if seed is used in sufficient quantity and crop is harvested at proper time. And not only will the product be greater at first but if properly treated the land will continue in productive condition for many years. We advise a sowing of 40 pounds to the acre and in addition 5 to 8 pounds of mixed clovers, which, as noted above, are sent only if ordered and, for reasons noted, in separate package. On soil known to be especially adapted for clover perhaps the maximum quantity advised might profitably be increased. Lb. 15c.; 100 lbs. \$15.00 Mixed Clovers Lb. 17c.; 10 lbs. \$1.60.

## Mixture for Permanent Mowing for Moist Soil

It should be understood that by moist soil we do not mean that which is swampy, but rather such as is often termed "natural grass land", because more nearly wet than many soils which, though not as well adapted for grass as a heavier and moister soil, will yet produce good crops of hay. On land especially moist, cool, heavy and rich, this mixture will produce enormous crops for an almost indefinite period. It differs from the preceding in that, while it contains

most of the species and varieties which form that mixture (but in different proportions), it also contains grasses which thrive on, in fact require, strong and moist soil. 35 to 40 pounds to the acre and from 4 to 6 pounds of mixed clovers. Lb. 16c.; 100 lbs. \$15.00. Mixed clovers, lb. 18c.; 10 lb. \$1.70.

## Mixture for Permanent Mowing for Dry Soil

While dry land is not the ideal soil for a grass crop, much larger crops can be obtained with this mixture than with timothy and red top, because it contains in large proportions varieties which thrive on dry soil and of which some succeed on soil where both the former would utterly fail. 40 to 50 pounds to the acre and about 5 pounds of mixed clovers. Lb. 16c.; 100 lbs. \$15.00. Mixed clovers, lb. 16c.; 10 lbs. \$1.50.

## Mixture for Permanent Pasture for Medium Soil

Though many farmers so rotate their crops that the permanency of their mowing fields is not of great consideration, such as regularly pasture their herds, invariably desire that the pasture shall be permanently productive when once seeded. Aside from permanency an important requisite is that of continual growth from early spring until fall. And as many varieties as possible should be used which bear constant trampling and continued close grazing. This mixture is prepared with these ends in view. 40 to 50 pounds to the acre and 3 pounds of mixed clovers. Lb. 16c.; 100 lbs. \$15.00. Mixed clovers, lb. 20c.; 10 lbs. \$1.90.

## Mixture for Permanent Pasture for Moist Soil

Moist and strong land is not only the ideal soil for mowing but is as well the best for the pasture and for this purpose a mixture is, perhaps, even more necessary than for the mowing field. Like the preceding this mixture is prepared to meet the requirements of continual growth and permanent productiveness and as already indicated contains in large proportions the grasses which are at their best on moist soil. 40 pounds to the acre and 3 pounds of mixed clovers. Lb. 16c.; 100 lbs. \$15.00. Mixed clovers, lb. 19c.; 10 lbs. \$1.80.

## Permanent Pasture Mixture for Dry Hilly Land

In no situation are timothy and red top so unsuitable for seeding as in a dry hilly pasture, for both require strong rather moist land to thrive for any length of time alone. This mixture is composed of grasses which thrive on light soil, endure long drouths and bear without injury, constant cropping. 40 lbs. to the acre and 3 lbs. of mixed clovers. Lb. 16c.; 100 lbs. \$15.00. Mixed clovers, lb. 20c.; 10 lbs. \$1.90.



# FLOWER SEEDS



# GENERAL LIST

When ordering, always give catalog variety number; and while it is not necessary to give name it often serves to indicate more fully what the customer desires, as in the event of the number and name differing, we always send the variety indicated by the name as probably the one desired.

All Flower Seeds by the packet, fraction of an ounce, ounce and quarter pound, sent postpaid at prices quoted. In larger quantities, by the half-pound and pound, they will be sent at option of the customer, either by mail postpaid, or by express at customer's expense, as per quotations.

## FLOWERING PLANTS ARE CLASSIFIED AS ANNUALS, BIENNIALS AND PERENNIALS

**ANNUALS** are those which bloom and produce seed the first season and die at the end of the season. Hardy Annuals are those of which seed may be sown in the open ground as soon as soil is suitable to work, varying, however, somewhat in their ability to withstand cold, unfavorable weather. Half-hardy Annuals are those of which seed should be sown either in the house or only in open ground when weather is settled.

**BIENNIALS** are those which require two years for their development, blooming the year following the sowing of seed and dying at the end of the season, with, however, some exceptions, some blooming the first year if seed is sown in the house or frame in February or March, while others of hardy nature and quicker growth, like most of the Dianthus family, bloom the first season from seed sown in the open ground. Such are usually treated as Annuals, as while they sometimes bloom well the second year they generally produce more and finer flowers the first. Hardy Biennials are those which endure winter in the open ground; Half-hardy those which require more or less protection, generally that of a cold frame. Plants of both natures differ in their enduring qualities, and are more or less dependent upon the nature of the soil and situation. As noted of Hardy Perennials, protection is often helpful to even Hardy Biennials. Seed of the hardy class may be sown any time from early in May to last of August; that of the half-hardy, except of plants expected to bloom the first season, in June or early in July.

**PERENNIALS** are those plants which do not generally bloom until the second year from seed but continue blooming for years after; their permanency varying in different species and somewhat subject to the nature of the soil in which they are grown. Like Biennials, some will bloom the first year from seed sown early. Hardy Perennials are those which will endure the winter in the open ground without protection; but many of this class are benefited by a slight covering of some coarse material. This is chiefly of benefit in the early spring, preventing the heaving of plants from the ground, caused by alternate thawing and freezing, and is especially desirable, in fact is almost necessary, on soil containing much clay. Half-hardy Perennials are those which require protection and often the use of a cold-frame. Several of this class, however, which bloom the first year from early-sown seed, are often treated as Annuals. Seed of Hardy Perennials may be sown in the open ground at any time from April to October; but it is generally considered advisable to sow early enough to get strong plants, as they are less liable to winter kill.

The term tender applied to either Annuals, Biennials, or Perennials indicates that the plants not only will not endure the slightest degree of frost, but are very susceptible to cool waves and extremely moist weather. All require artificial heat to germinate seed well, and protection in early stages of growth, and if planted outdoors it should not be done until beyond doubt the weather will be warm. Some require greenhouse protection the entire year, but of such we offer but few.

### CULTURAL SUGGESTIONS

Though some seeds need special treatment, the following general directions for outdoor culture apply to all. Make the soil fine and even by digging and raking. Though seeds should not be sown nor ground worked when it is wet and soggy, moisture is essential to the successful germination of seeds, therefore, sow only on freshly worked soil. If the season is unusually hot and dry, and soil has become dry to some depth, water profusely several hours before planting rather than at time of sowing. Sow in rows that the young plants can be easily seen, and each lot of seeds a uniform depth, which should generally be four or six times the diameter of seed. Make the soil over the seeds firm, which, when seeds are small, can be done with a board or with back of hoe; when large, by treading or with a light roller. This firming of the soil is very important, as it prevents to a great degree the escape of moisture. If weather following is hot and dry it may be necessary to water. In this case use a fine spray, taking care, especially when seeds are very small, that they are not washed from their position. Water thoroughly; and, once commenced, regularly and continuously or not at all. A mere sprinkling, irregularly done in hot weather, allowing the soil to become dry at times, does more harm than good, as it causes a hard crust to form, through which, if the seeds germinate, the fine tender growth of the young plants cannot penetrate. If the area is small so that it can easily be done, shading with bagging or paper aids materially in preventing the soil from becoming dry and hard. This is especially of advantage when seeds of Biennials and Perennials are sown during the hot summer months. In fact shading is almost indispensable when pansy seed is sown in August or September. Some plants do not bear transplanting well, so seeds should be sown where plants are to remain. Seeds of most plants may, however, be sown in beds and the young plants transplanted if desired. Thin the young plants that they may have room to grow stocky. Transplanting is, of course, more easily done in rainy weather; but, if necessary, can be safely done in hot, dry weather by giving the soil a good soaking, and then shading the plants for a few days. Earthen flower pots make an ideal protection, keeping the soil and plants so cool they seldom wilt. Boards raised a little from the ground are, however, excellent. Either would better be removed at night. Whether transplanted or left where sown, allow ample room for the development of plants that they may be both vigorous and symmetrical. Perhaps of as much or more importance than any of the previous suggestions is this of early and frequent but shallow cultivation. Keep in mind that the main object of cultivation is to assist the growth of the plant, and not to simply destroy weeds. Shallow cultivation conserves moisture by converting the top soil into a fine mulch, and if given as frequently as would be beneficial to the plant, to many, vexatious weed question would be largely eliminated from consideration.





# ASTER

This popular annual thrives in nearly all soils if well enriched, and being quite hardy, seed may be sown in the open ground early in the spring, in this latitude usually by the last of April and sometimes earlier. The first week in May is, however, early enough, as plants from seed sown then will usually be through blooming sometime before frost. Good blooming plants are often grown from seed sown as late as the middle of June, but when sown as late as this some of the early varieties are preferable and the plants should be grown in rich soil and have the best of care.

Our Aster seeds were procured from the most noted American and European growers, and are of unsurpassed quality.

**1. QUEEN OF THE EARLIES, or Earliest Paris White.** One of the earliest white asters; stems long; fine for cutting.  $\frac{1}{2}$  oz., 20c.;  $\frac{1}{4}$  oz., 35c.; oz., \$1.00

**QUEEN OF THE MARKET.** A popular, very early-blooming strain, which, though plant is only one and one-fourth feet high, bears from ten to fifteen well-formed, medium sized flowers on long graceful stems. Much used by florists.

4. White. 6. Light Blue.  
5. Rose. 9. Mixed Colors. Each,  $\frac{1}{2}$  oz., 20c.;  $\frac{1}{4}$  oz., 30c.; oz., \$1.00.

**15. EARLY SNOWDRIFT.** Also an extra early variety. Plant of slender growth, having but few and narrow leaves, bearing in profusion on long, slender, upright stems large, pure white flowers of very feathery and graceful appearance and always full and double. Of American origin. Originator's stock.

**IMPERIAL STRAIN.** The following three varieties are of American origin, the work of a well-known firm which for several years has given the aster especial attention and has succeeded in introducing several varieties of great merit, among them these:

**20. Daybreak.** The first introduction of this class. Flowers very large and full, and borne on long stems, the color a beautiful shell-pink. The plant blooms early and profusely and is of strong and compact habit. Very popular, 2 feet.  $\frac{1}{2}$  oz., 40c.; oz., \$2.75.

**21. Purity.** Pure White. The second introduction of this class, and a desirable companion to Daybreak. Identical in form of flower and general habit. Blooms at the same time.  $\frac{1}{2}$  oz., 50c.; oz., \$3.50.

**22. Sunset.** A variety of recent introduction and a decided acquisition. Identical in form and habit with Daybreak and Purity, but blooms several days earlier. Color an extremely delicate shade of light pink, shading to a deep rich pink in the center.

**TRUFFAUT'S PEONY-FLOWERED PERFECTION.** This class has been for a long time very extensively cultivated and is yet more or less popular. Plants are large but of compact form and bear freely large flowers, having petals which curve inward and upward like those of the peony; very double and of beautiful form.

26. White. 27. Crimson. 28. Light Blue. Each,  $\frac{1}{2}$  oz., 35c.  
32. Mixed colors. A wide range of colors.  $\frac{1}{2}$  oz., 30c.; oz., \$2.00.

**JEWEL, or Ball.** A selection from the Peony Perfection class, but entirely distinct. The flowers are about two and one-half inches in diameter, have short incurved petals and are as round as a ball. They are borne on long stems, are excellent for cutting and afford a novel and pleasing effect in contrast with other types.  $1\frac{1}{2}$  feet.

36. Mixed colors.  $\frac{3}{8}$  oz., 30c.

**40. SUNLIGHT.** Flower 3 to 4 inches in diameter, of peony form. Clear sulphur yellow, a color not yet common among asters. 2 feet.

**INVINCIBLE, or Carlson.** A new and improved type of the Peony-Flowered class, of branching habit. The flowers are large, have long, stiff stems and are of remarkable substance. The plant blooms earlier than other branching varieties, very profusely, and the season of bloom is exceptionally long. The flowers are among the best for cutting and have become very popular with florists.  $1\frac{1}{2}$  feet.

45. White. 46. Peach-Pink.  
47. Bright Light Blue. Each,  $\frac{1}{2}$  oz., 30c.  
50. Mixed colors:  $\frac{3}{8}$  oz., 25c.; oz., \$1.75.

**VICTORIA.** This has been considered for a long time one of the finest types, and has been considerably improved in recent years. The flowers are large, double, imbricated, having petals which curve outward like those of the show dahlia. The plant is of pyramidal habit and bears freely its beautiful long-stemmed flowers, which in range of colors are not exceeded by those of any other class.

55. White. 56. Dark Scarlet.  
57. Peach-Blossom Pink. 58. Dark Crimson.  
59. Light Blue. Each,  $\frac{1}{2}$  oz., 50c.  
62. Mixed colors. A superb mixture.  $\frac{1}{2}$  oz., 45c.; oz., \$3.00.

**WASHINGTON (Giant Victoria).** Flowers similar in form to Victoria, but larger; much used for exhibition; 2 feet.

65. Mixed colors.  $\frac{1}{2}$  oz., 40c.; oz., \$2.50.

**GIANT BRANCHING COMET.** A distinct and valuable class; flowers resemble the Japanese chrysanthemum and differ from those of the older Comet class in that they are not only larger but petals are longer and somewhat broader. The plant is of vigorous, luxuriant growth and produces freely its long-stemmed, graceful flowers.  $1\frac{1}{2}$  to 2 ft.

70. White. 71. Light Yellow.  
72. Azure Blue. 73. Rose.  
74. Light Blue and White. 75. Crimson.  
76. Rose and White. Each,  $\frac{1}{2}$  oz., 35c.  
80. Mixed Colors. Many colors and shades.  $\frac{1}{2}$  oz., 30c.; oz., \$2.00.

Pkt.

\$ .05

.05

.15

.10

Pkt.

.10

.15

10

10

10

10

10

10

10

10

10

10

10

10





Giant Comet Aster.

**HOHENZOLLERN.** A remarkable new strain of the Giant Comet type. The flowers are considerably larger and petals are more curled. They are borne on long stems and are very graceful as well as of enormous size, closely resembling Chrysanthemums. The plant is of robust branching habit, and blooms earlier than the Giant Comet. 2½ ft.

- |                   |                 |           |                          |     |
|-------------------|-----------------|-----------|--------------------------|-----|
| 85. White         | 86. Light Blue. | 87. Rose. | Each, ½ oz., 40c.        | Pkt |
| 90. Mixed Colors. |                 |           | ½ oz., 30c.; oz., \$2.00 | .10 |

**OSTRICH FEATHER.** Of the Comet type, but distinct, the petals being more curled and twisted, giving the flower a distinctive feathery appearance. The flowers are large and full and among the best for cutting. The plant is of branching habit and remarkably profuse in bloom.

- |                             |                          |                   |     |
|-----------------------------|--------------------------|-------------------|-----|
| 95. White                   | 96. Malmaison Pink, new. |                   |     |
| 97. Light Blue.             | 98. Reddish Lilac, new.  |                   |     |
| 99. Brilliant Carmine, new. |                          | Each, ½ oz., 50c. | .10 |
| 102. Mixed Colors.          |                          | ½ oz., 40c.       | .10 |

**104. LAVENDER GEM.** Of the Ostrich Feather type. Flowers large and remarkably free from single and semi-double specimens. The feathery effect is increased in a large proportion of the flowers by long, partly tubular florets, irregularly cut and slashed, giving the flowers much the appearance of ragged Chrysanthemums. The color is an exquisite shade of lavender, which deepens with age, but is at all times a beautiful hue. The plant branches close to the ground and blooms profusely and very early. 2 ft.

½ oz., 50c. .10

**AMERICAN BRANCHING.** A superior late blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems, often fifteen or more inches in length, are exceedingly beautiful and unsurpassed for cutting. The plants are of extra large and strong growth and bloom profusely. 2½ ft.

- |                    |               |  |     |
|--------------------|---------------|--|-----|
| 108. White.        | 109. Pink.    |  |     |
| 110. Lavender.     | 111. Crimson. |  |     |
| 112. Purple.       |               | Each, ½ oz., 30c.; ¼ oz., 50c.; oz., \$1.75. | .10 |
| 116. Mixed Colors. |               | ½ oz., 25c.; ¼ oz., 45c.; oz., \$1.50.       | .10 |

**117. VICK'S VIOLET KING.** A new variety of American origin, in habit similar to the American Branching. The flowers, however, are in form entirely distinct from any other; petals somewhat resemble those of the quilled sorts, but are much larger, those in the center being curiously twisted, curled, and incurved, completely covering the crown. In shape and size round, full and very large, often four and sometimes five inches, in diameter; color, soft violet-lilac.

.15

**BETTERIDGE'S QUILLED (Reid's Improved).** Flowers small, very double, with finely quilled or tube-shaped petals. 1½ ft.

- |                    |             |     |
|--------------------|-------------|-----|
| 120. Mixed Colors. | ½ oz., 20c. | .05 |
|--------------------|-------------|-----|

**124. OUR WORCESTER MIXTURE.** Our own mixture of the choice leading varieties. It includes every color and shade known among asters, and will afford, especially if purchased in bulk, the greatest diversity of both color and type, while purchasers of a single packet only can secure a choice selection of the most desirable varieties. ½ oz., 35c.; ¼ oz., 60c.; oz., \$2.00. .10

Pkt.

**125. Good Mixed.** Our mixture of many tall double varieties; a wide range of colors. ½ oz., 15c.; ¼ oz., 25c.; oz., 80c. .05

**ABRONIA**

A beautiful little trailing plant bearing freely in the autumn months verberna-like fragrant flowers. Sow in the house and transplant, or in the open ground as soon as ground can be worked. Hardy annual.

- |                                  |     |
|----------------------------------|-----|
| 130. Arenaria. Yellow.           | .05 |
| 131. Umbellata. Rose, white eye. | .05 |

**ABUTILON (Flowering maple — Chinese Bell Flower)**

A favorite house and garden plant, bearing freely graceful, drooping, bell-shaped flowers; usually propagated by cuttings, but can be easily grown from seed, blooming the first season, if sown early in mild heat. Half hardy perennial shrub. 3 to 4 ft.

- |                    |     |
|--------------------|-----|
| 133. Mixed Colors. | .10 |
|--------------------|-----|

**135. ACHILLEA PTARMICA (The Pearl).** One of the best white hardy perennials, bearing profusely and continuously from June to frost small white double flowers, useful for cutting. Easily grown from seed. Desirable and often used in cemeteries. 2 ft. .15

**ACROCLINIUM (Everlasting Flower).**

A half hardy annual, bearing attractive white and rose colored single and double flowers, mainly used when dried for winter bouquets and wreaths; for this purpose flowers should be cut before fully expanded. 1½ ft.

- |                                       |     |
|---------------------------------------|-----|
| 139. Mixed, light rose and pure white | .05 |
|---------------------------------------|-----|

**140. ADLUMIA CIRRHOSA (Mountain Fringe — Allegheny Vine).** A beautiful hardy, climbing biennial, which usually self-sows, and is therefore of perennial nature. The feathery foliage resembles that of the maiden-hair fern. The plant is of rapid growth and produces in great profusion its small, tube-shaped pink blossoms. Of the easiest culture, requiring but little or no care after the first season. 10 to 15 ft. .05

**ADONIS**

Hardy, free-flowering plants, bearing showy, attractive flowers, and requiring little care.

**144. Aestivalis (Flos Adonis — Pheasant Eye).** Hardy annual, bearing intense blood-red flowers which, in contrast with the finely-cut, dark green foliage, give the plant a very striking appearance. Seed should be sown preferably in the open ground in the autumn, or started early in March, as it requires a long time to germinate. 1 ft. July and August. .05

**145. Vernalis (Ox-Eye).** Hardy perennial, blooming early in spring; when once established may be easily increased by division. Flowers large, yellow. 1 ft. May and June. .05

**AGERATUM**

One of the best hardy annuals for bedding, being covered with bloom the entire season. Easily grown from seed, which should preferably be sown in the house, as it lengthens the time of blooming, for regardless of time it commences to bloom, it continues until killed by frost. Its season, however, compares favorably in length with other annuals when seed is sown in the open ground.

- |   |                        |     |
|---|------------------------|-----|
| 148. Mexicanum. Blue, 1½ ft.  | ½ oz., 20c.; oz., 30c. | .05 |
| 149. Mexicanum Album. White, 1½ ft.   | ½ oz., 20c.; oz., 30c. | .05 |
| 150. Imperial Dwarf White. 8 inches.  | ¼ oz., 25c.; oz., 75c. | .05 |
| 151. Little Dorrit. Azure blue. 8 inches.                                       | ¼ oz., 25c.; oz., 75c. | .05 |
| 152. Princess Victoria Louise. Sky blue, with white center; variable. 8 inches. |                        | .10 |
| 153. Swanley Blue. Large flowered. 2 ft.  | ¼ oz., 25c.; oz., 75c. | .05 |
| 154. Lasseauxi. Fine rose, should be started very early to insure good bloom.   |                        | .10 |
| 158. Mixed Colors. All varieties mixed.   | ½ oz., 15c.; oz., 25c. | .05 |

**AGROSTEMMA**

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Flowers excellent for cutting.

- |  |     |
|--|-----|
| 160. Coeli-Rosa (Rose of Heaven). Rose, white center. Hardy annual, 1½ ft.                 | .05 |
| 161. Coronaria (Rose Champion). One of the earliest hardy perennials. 1½ ft. Mixed colors. | .05 |



# ALYSSUM

A well-known favorite Hardy Annual, blooming profusely the entire season.



Sweet Alyssum

- |  |   |
|--|---|
|  | Pkt.                                    |
| 166. Sweet Alyssum. Fragrant, white. 1 ft.   | ½ oz., 15c.; oz., 25c. \$ .05           |
| 167. Little Gem. Of spreading habit, forming compact masses of bloom, often a foot or more in diameter; very useful for edgings. White, fragrant. ½ ft.    | ½ oz., 25c.; oz., 40c. .05              |
| 168. Carpet of Snow. Of very dwarf habit, white, fragrant, 4 inches.   | ½ oz., 30 c; oz., 50c. .05              |
| 170. Saxatile Compactum. Hardy perennial, bearing in great profusion in early spring, golden-yellow flowers. Desirable for rock work or for massing. 1 ft. | ¼ oz., 20c.; ½ oz., 35c.; oz., 60c. .05 |

## AMARANTHUS

Annual plants, some with brilliantly colored foliage, and others bearing interesting peculiarly formed flowers. While in rich soil the plants and leaves are much larger, the colors are seldom as brilliant as when grown on rather poor soil. Of easiest culture.

- |  |                            |
|--|----------------------------|
| 175. Caudatus (Love-lies-bleeding). Long drooping flower, blood-red. Half hardy annual. 3 ft.  | .05                        |
| 176. Cruentus (Prince's Feather). Spikes of dark red flowers. Half hardy annual. 3 ft.   | .05                        |
| 177. Salicifolius (Fountain Plant). Long, gracefully undulated foliage, beautifully variegated, varying from green to bronze, banded and tipped with carmine. Tender annual. 3 ft.   | .05                        |
| 178. Tricolor Splendens (Joseph's coat). Red, yellow and green foliage. One of the most beautiful of ornamental leaved plants. Hardy annual. 2 ft.   | .05                        |
| 182. AMPELOPSIS VEITCHII (Boston Ivy — Japan Ivy). The well-known, popular climbing vine, so often seen on churches, school houses, and other public buildings. Grows rapidly and clings to the smoothest surface of stone or wood. Very ornamental the entire season, the dark green glossy leaves changing in the autumn to beautiful shades of scarlet, crimson and orange. Easily grown from seed. Entirely hardy except in the extreme North. | ½ oz., 15c.; oz., 25c. .10 |

## ANEMONE (Wind Flower)

A hardy garden perennial, usually classed with bulbous plants, the roots requiring about the same treatment as bulbs of the tulip and hyacinth. These are easily obtained from seed, sown early in the spring in rich, rather light loam. When tops are dead, the roots, which are solid flattened masses, resembling dried ginger, should be lifted and stored in an airy dry place where it is said they will keep for two years. The anemone makes a good pot plant and has the desirable feature that it can be planted and brought into

bloom at almost any time of the year. Roots should preferably be planted outdoors early in the spring, and when past blooming again lifted and stored as above directed. Select if possible a location partially shaded, and water profusely during blooming period if soil is especially dry.

- |   |             |
|---|-------------|
| 188. Coronaria. Single, mixed colors. The well-known poppy-flowered anemone. 1 ft.  | Pkt. \$ .05 |
| 189. Coronaria, St. Brigid. An improved strain, bearing larger and more brilliant flowers, and remaining in bloom longer. 1 foot. | .10         |

## ANTHEMIS TINCTORIA (Hardy Golden Marguerite)

A beautiful, hardy perennial of easy culture, bearing all summer golden-yellow, daisy-like flowers, excellent for cutting. Plants bushy, and should stand at least two feet apart. 2 ft.

- |               |                            |
|---------------|----------------------------|
| 192. Kelwayi. | ½ oz., 15c.; oz., 25c. .05 |
|---------------|----------------------------|

## ANTIRRHINUM (Snap Dragon)

A favorite, half-hardy perennial, blooming profusely the first season from seed.

- |   |                            |
|---|----------------------------|
| 194. Tall Varieties. Mixed colors. 2 ft.  | ¼ oz., 20c.; oz., 50c. .05 |
| 195. Grandiflorum. Giant varieties. Mixed colors. 2½ ft. ¼ oz., 25c.; oz., 75c. | .10                        |
| 196. Dwarf Varieties. Mixed colors. 1 ft.                                       | ¼ oz., 25c.; oz., 75c. .05 |

## AQUILEGIA (Columbine)

Well-known hardy perennials, bearing in great profusion through May and June exquisite flowers greatly varied in coloring, of easy culture, thriving best in dry soil, and growing well in partial shade. For planting among shrubbery or for naturalizing in the edges of woods, but few hardy plants equal this old time favorite. 1 to 3 ft.

- |   |                            |
|---|----------------------------|
| 200. Single. Mixed Colors.  | ¼ oz., 15c.; oz., 40c. .05 |
| 202. Double. Mixed Colors.  | ¼ oz., 15c.; oz., 40c. .05 |
| 203. Coerulea Hybrida (Haylodgensis). Large flowers with long spurs; superb mixture. 2½ ft. | ½ oz., 30c. .10            |
| 204. Chrysantha. Golden Yellow. 2½ ft.  | ½ oz., 20c. .10            |
| 205. Grandiflora Alba. Large, pure white, fine, 2½ ft.                                      | .15                        |
| 206. Vulgaris Alba Plena. Double, white.  | ½ oz., 10c. .05            |
| 207. Collection of Twelve Splendid Sorts.   | .50                        |

## ARCTOTIS GRANDIS (African Lilac Daisy)

210. A beautiful new annual from Africa, of luxuriant branching growth, bearing freely from July to frost, large, long-stemmed daisy-like flowers about 3 inches across; pure white on upper surface, the reverse of petal pale lilac.

½ oz., 20c.; ¼ oz., 30c. .10



Arctotis Grandis.



**ARABIS ALPINA (Rock Cress)**

Pkt.

209. A pretty little hardy perennial, thriving in dry soil, and one of the earliest to bloom. Flowers white and deliciously fragrant; resembles Sweet Alyssum. The plant is covered with bloom and is excellent for rock work and edgings. 6 inches.

.10

**ARISTOLOCHIA SIPHO**

(Dutchman's Pipe)

Pkt.

215. A hardy perennial vine of rapid growth, having large, thick and glossy, heart-shaped leaves, and bearing curious yellowish-brown blossoms somewhat resembling a pipe. 15 to 20 ft. .15

**ASPERULA ODORATA**

(Sweet Woodruff)

Pkt.

220. A hardy perennial, blooming freely and continuously in rather moist soil and a partially shaded location. The flowers are white, but the plant is largely grown for its fragrant leaves and stems, which are used when dried for the same purposes as those of lavender. 1 ft. .05



Improved Double Balsams.

**BALSAM**

This old favorite annual, sometimes known as Lady's Slipper, has been continually improved for several years, the flowers of some strains now closely rivaling in size and beauty those of the Camellia. The plant requires

rich soil, full exposure to the sun, and plenty of water, to be grown to perfection, but is otherwise of easy culture. We offer seed of the most improved types, which will, with favorable conditions, produce a large proportion of double flowers. 2 ft.

Improved Camellia-Flowered.

Pkt.

- 225. **Mixed Colors.** Double flowers of the finest type and a wide range of beautiful colors.  $\frac{1}{2}$  oz., 25c.; oz., 75c. .10
- 226. **New Double White (Alba Perfecta).** Extra fine.  $\frac{1}{2}$  oz., 25c.; oz., 75c. .10
- 227. **Double Dark Red.** Beautiful rich color.  $\frac{1}{2}$  oz., 25c.; oz., 75c. .10
- 230. **Choice Mixed.** Our mixture of Camellia-Flowered, Rose-Flowered and other choice types. Many colors.  $\frac{1}{2}$  oz., 15c.; oz., 50c. .05

**BALLOON VINE. (Love in a Puff)**

(Cardiospermum Halicacabum)

A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed vessels, somewhat resembling a balloon. 10 to 15 ft. .05

**BEANS.**

**Ornamental Varieties.**

The Scarlet and White Runner Beans are deservedly popular as ornamental climbers, as but few plants grow so rapidly and none is more easily grown. The former is much more largely grown for ornament but they are very attractive when grown together. The Butterfly is a very pleasing novelty of recent introduction, having large flowers, which are white with salmon-rose standard, followed by pods which equal in edible qualities those of the standard varieties. The beans of the White Runner are largely used in some localities as green shell beans, and the beans of the Scarlet are also edible, but seldom used. All should be treated as directed for pole beans.

Pkt.

- 240. **Scarlet Runner.** .05
  - 241. **White Runner.** .05
- For larger quantities see list of vegetable seeds.
- 242. **Butterfly.** New, charming, white and rose .10

**BELLIS PERENNIS.**

(English Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. While the cool climate of England is much more congenial to it than ours, it is considerably grown here with varying degrees of success. It succeeds best here in a rich, loamy soil, partially shaded. It is generally classed as hardy, but really needs a slight protection through the winter. 4 inches.

Pkt.

- 245. **Mixed Colors.**  $\frac{1}{2}$  oz., 50c. .10

**BRACHYCOME.**

(Swan River Daisy)

Pkt.

A free flowering plant of dwarf compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half hardy annual. 1 ft.

- 250. **Mixed Colors.** .05

**BROWALLIA.**

A beautiful free-blooming half-hardy annual. Seed may be sown in the open ground when warm, but preferably should be sown early in the house or hot-bed, and if possible re-potted once or twice. The plants will then bloom early, and be covered throughout the summer with their beautiful blue and white flowers. It succeeds better in dry soil than most half hardy annuals, and is a fine bedding plant. 1  $\frac{1}{2}$  ft.

- 251. **Mixed.** Blue and white. .05

**CALENDULA. (Pot Marigold)**

A very free blooming hardy annual of easy culture and growing well in nearly all soils. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more generally used for bedding, and for this purpose is very desirable. 1 to 1  $\frac{1}{2}$  ft.

- 255. **Meteor.** Yellow, striped orange.  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05
- 256. **Orange Giant.** Extra large, orange.  $\frac{1}{2}$  oz., 15c. oz., 25c. .05
- 257. **Prince of Orange.** Orange, striped light yellow.  $\frac{1}{2}$  oz., 15c.; oz., 25 c. .05
- 258. **Sulphur Crown.** Sulphur yellow.  $\frac{1}{2}$  oz. 15c.; oz., 25c. .05
- 259. **Mixed Varieties.** Above and other varieties mixed.  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05

**CALLIOPSIS.**

Pkt.

Well-known, profuse flowering hardy annuals of the easiest culture. The mixed colors represent the type more commonly known. The named sorts resemble in habit, foliage and flower, the perennial type, more generally known as Coreopsis.

- 260. **Mixed Colors.** 1  $\frac{1}{2}$  to 2 ft.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 261. **Coronata Maxima.** Yellow; extra large. 1  $\frac{1}{2}$  ft.  $\frac{1}{2}$  oz., 15c. .05
- 262. **Golden Wave (Drummondii).** Golden yellow, with small dark center. 1  $\frac{1}{2}$  ft.,  $\frac{1}{2}$  oz., 15c. .05
- 263. **Ray of Gold.** New, yellow, with purplish-brown center. 6 to 8 in.  $\frac{1}{2}$  oz., 15c. .05



Calliopsis Golden Wave.



## CAMPANULA (Bellflower)

Showy hardy perennial, remarkable for its great profusion and rich coloring of flowers. All species succeed well in any good soil and are generally easily raised from seed. When plants are established they may be easily increased by division, in fact the best authorities recommend that plants should be divided every two years for best results.

265. *Carpatica* (Carpathian Hare-Bell). Blooms nearly the entire season. Blue and white, mixed. 1 ft. .05

266. *Persicifolia Grandiflora* (Peach Bell). One of the best of the hardy Bell-flowers. Large, blue. 2 to 3 ft. .10

## CANTERBURY BELLS (*Campanula Medium*)

Well-known beautiful hardy biennials of which some varieties bloom the first season from seed soon early. They are however, more generally treated as biennials, and like all of this class may be sown either where they are to remain any time after midsummer, or in beds in the spring for



Candytuft

Pkt.

transplanting. The Calycanthea (Cup and Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower. Its form, if not superior to the regular type, is at least very interesting and attractive. In permanent situation, plants should stand 18 to 20 inches apart. All varieties succeed best in a rich, rather sandy, well-drained soil.

267. **Prize Mixture.** A superb mixture of all classes, single, double, and cup and saucer.  $\frac{1}{2}$  oz., 20c. .10

268. **Single.** Mixed Colors.  $\frac{1}{2}$  oz., 15c. .05

269. **Double.** Mixed Colors.  $\frac{1}{2}$  oz., 15c. .05

272. **Calycanthea** (Cup and Saucer). Mixed colors.  $\frac{1}{2}$  oz., 20c. .10

## CANARY BIRD FLOWER (*Tropaeolum Canariense*)

A rapid-growing half hardy annual climber of the Nasturtium family, bearing curiously-formed yellow flowers, having a fancied resemblance to a canary. Blooms until frost. 10 to 15 ft.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

## CANDYTUFT

(IBERIS) Popular hardy annual,

growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 ft.

276. **Carmine.**  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

277. **Dark Crimson** (Dunnett's).  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

278. **Empress.** Large trusses, pure white.  $\frac{1}{2}$  oz., 20c.; oz., 35c. .05

279. **Giant Hyacinth-Flowered.** Heads of immense size, resembling the hyacinth. White. Generally considered superior to Empress.  $\frac{1}{2}$  oz., 25c., oz., 40c. .05

280. **Mixed Colors.**  $\frac{1}{2}$  oz. 10c.; oz., 15c. .05

281. **Queen of Italy.** New; of dwarf, bushy habit. Large, pink flowers; fine. 6 inches.  $\frac{1}{2}$  oz., 25c.; oz., 40c. .05

282. **Dwarf Hybrids.** Mixed colors. Of dwarf habit but flowers are large.  $\frac{1}{2}$  oz., 20c.; oz., 35c. .05

283. **White Fragrant.**  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05



Carnation

## CARNATION

Well-known and very popular half-hardy perennial, which, until the introduction of the Marguerite class, was mainly grown by the florist in the greenhouse and occasionally by the amateur in pots in the house. The Marguerite class including the original and later introductions of similar type are treated as annuals blooming in about four months from seed which may be sown in the open ground early in the spring, usually by May 1, but preferably earlier, in the house, and plants set in the open about the middle of May as this greatly lengthens the period of blooming. While the plants are hardy to a degree and are said to generally live through the winter in the open ground, if well protected, they are not generally so treated, most people preferring to treat them as annuals, because of the ease with which they can be grown from seed each year. By cutting off the flower stems early in the fall and potting the plants, they will bloom freely through the winter if kept in a cool room. The carnation requires a rich soil, and in such the plants should stand about twelve inches apart.

286. **Marguerite Improved Semi-Dwarf.** An improved strain, blooming four months after sowing. Flowers are larger, a greater proportion double, and the variety of colors much greater than those of the original.  $\frac{1}{2}$  oz., 20c.;  $\frac{1}{4}$  oz., 35c. .10

287. **Marguerite Giants.** Flowers approach in form, size, fragrance and beauty those grown by the florist. Great variety of color. Blooms four months after sowing.  $\frac{1}{2}$  oz., 30c.;  $\frac{1}{4}$  oz., 50c. .10

288. **Chaubaud's Giant Perpetual.** A new strain remarkable for its combination of earliness with the continuity of bloom and perfection of flowers of the perpetual type. Blooms in four or five months after sowing. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring. .15

290. **Dwarf Vienna.** Blooms early the second summer from seed. The hardiest sort said to stand the winter with a slight protection. Flowers large, double, fragrant and of varied colors.  $\frac{1}{2}$  oz., 25c. .10

292. **Double. Fine Mixed.** A choice strain of the regular type, blooming the second year from sowing. Most desirable for house culture. .10



# CASTOR BEAN (Ricinus)

Well-known tender annual; 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.

- 295. **Borboniensis.** Large showy foliage of purplish hue; 15 ft. Pkt.  
 $\frac{1}{2}$  oz., 12c.; oz., 20c. .05
- 296. **Cambodgensis.** Stalks and stems nearly black, leaves large, of a deep bronze-maroon. 6 ft.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 297. **Sanguineus (Tricolor).** Stalks blood-red, foliage reddish bronze with scarlet seed pods. 6 ft.  $\frac{1}{2}$  oz., 12c.; oz., 20c. .05
- 298. **Zanzibarensis.** A comparatively new class, with gigantic leaves ranging in color from light green to deep bronze. 10 to 15 ft. Mixed varieties.  $\frac{1}{2}$  oz., 12c.; oz., 20c. .05
- 300. **All Varieties Mixed.**  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05

# CELOSIA CRISTATA (Cockscomb)

Popular free blooming half hardy annual, bearing flowers of comb-like form, the recently improved strains producing under best cultivation heads of enormous size. Grown either by itself or combined with other plants the cockscomb makes a striking and effective display. While seed may be and more generally is sown in the open ground, for best results, it should be sown early, in the house, and the young plants transplanted into small pots in which they should remain until they show signs of blooming, when they should be shifted to a permanent location. The cockscomb requires good rich soil, ample room and plenty of moisture to fully develop its flowers.

- 305. **Glasgow Prize.**  $\frac{3}{4}$  ft. Crimson, dark foliage.  $\frac{1}{2}$  oz., 30c. .10
- 306. **Golden Yellow.**  $\frac{3}{4}$  ft.  $\frac{1}{2}$  oz., 30c. .10
- 307. **Mixed.**  $\frac{1}{2}$  oz., 20c. .05
- 310. **Dwarf, Extra Choice Mixed.** Includes all the latest introductions and colors of the Cockscomb.  $\frac{1}{2}$  oz., 50c. .10

# CELOSIA PLUMOSA (Feathered Celosia)

A very showy type, bearing long, graceful plume-like flowers which remain in good condition a long time after being cut, retaining their color and form even when dried. They are often used for winter bouquets and for this purpose should be cut before fully ripe, and dried in the house. The class requires the same treatment as the preceding. Half hardy annual. 1 to  $\frac{1}{2}$  ft.

- 311. **Thompson's Superb.** Graceful, feathery plumes of rich crimson, which contrast beautifully with the purplish-bronze foliage.  $\frac{3}{4}$  oz., 15c.;  $\frac{1}{2}$  oz., 25c. .05
- 312. **Golden Plume.** Golden yellow.  $\frac{1}{2}$  oz., 15c.;  $\frac{1}{4}$  oz., 25c. .05
- 313. **Thompsoni Magnifica.** A splendid strain, large plumes ranging from clear yellow to darkest red.  $\frac{1}{2}$  oz., 20c.;  $\frac{1}{4}$  oz., 35c. .10
- 316. **Choice Mixed.**  $\frac{1}{4}$  oz., 15c., oz., 40c. .05

# CENTAUREA.

To this family belong the well-known annuals Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

# CYANUS (Bachelor's Button or Cornflower)

Popular hardy annual of the easiest culture, blooming quickly after seed is sown and for a considerable time if flowers are kept well cut. 2 ft.

- 318. **Single and Double, Mixed.**  $\frac{1}{2}$  oz., 15c., oz., 25c. .05
- 319. **White.** 320. **Blue.** Each.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 320. **MOSCHATA (Common Sweet Sultan)** Mixed Colors. .05
- 322. **SUAVEOLENS (Yellow Sweet Sultan).** .05

# IMPERIALIS (Royal Sweet Sultan)

A new and greatly improved type of Sweet Sultan. Both the plants and flowers are much larger than the common. The flowers are borne on long stiff stems, and will last for several days after cutting. They are very fragrant and colors delicate and beautiful. The best of all the Centaureas for cutting.

- 323. **Blue.** 324. **White.** Each. .10
- 325. **Mixed Colors.**  $\frac{1}{2}$  oz., 15c. .05

# WHITE LEAVED CENTAUREAS (Dusty Miller)

Pkt.

Half-hardy perennials which are grown annually from seed and for their foliage only. Generally used in connection with other foliage and flowering bedding plants.

- 326. **Candidissima.** Deeply cut silvery white foliage, densely covered with white hairs. 1 ft. .10
- 327. **Gymnocarpa.** Silvery white foliage; of graceful drooping habit.  $1\frac{1}{2}$  ft. .10

# CHRYSANTHEMUM Annual Varieties

Free-flowering plants of branching habit, with rich, finely-cut and very ornamental dark green foliage, bearing on long stems daisy-like flowers of bright and varied colorings. These colorings on the single varieties are usually in distinct rings and look on the flat petals as though they were painted on. The double varieties withstand the heat of summer, blooming more freely than the single, the latter requiring cooler weather to bloom freely, but are more beautiful than the double. Both grow freely from seed, are of easy culture, very desirable for cutting, and are effective bedding plants. They should be given plenty of room, from two to two and one-half feet, and will bloom more freely on soil of medium fertility. Hardy annual. 1 to  $1\frac{1}{2}$  ft. Pkt.

- 330. **Single (Painted Daisies).** Mixed colors.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 333. **Double (Marguerites),** Mixed colors.  $\frac{1}{2}$  oz., 15c., oz., 40c. .05

# CLARKIA.

A pretty hardy annual from California which has been much improved in recent years. Of easy culture; blooms profusely in either sun or partial shade. Colors, rose, salmon pink, purple and white. 1 ft.

- 338. **Single and Double Mixed.**  $\frac{1}{2}$  oz., 15c. .05

# COBAEA SCANDENS (Climbing Cobaea)

A beautiful, rapid growing, half-hardy perennial climber, blooming the first year from seed, bearing large, bell-shaped flowers, at first green but changing to a beautiful deep violet-blue. Though it generally blooms, but late in the season, from seed sown in the open ground, which on account of its rather tender nature should not be sown until settled warm weather, it is preferable to sow early in the house and pot the plants, as this greatly lengthens the period of bloom, and the plants will make a much greater growth. Seed germinates more readily if pushed into the ground edgewise and barely covered. 20 to 30 ft. .10

COCKSCOMB, See CELOSIA

# COLEUS.

Popular ornamental foliage plants, usually propagated by cuttings, but easily grown from seed, from which many new varieties may be expected, affording an interesting experiment to the amateur. Sow in heat in March or April, and transplant to open ground about the first of June.

- 350. **Choice Hybrids, Mixed.** From a large collection; of greatly diverse shades and markings .10
- 351. **New Large-Leaved Varieties, Mixed.** Saved from new varieties with very large and richly variegated foliage. .25

# COLLINSIA.

A free-flowering hardy annual from California, of easiest culture and great beauty. Seed preferably should be sown in the fall, as the plant will bloom much earlier than from seed sown in the spring. It may however be sown in the spring, if desired. 1 ft.

- 353. **Mixed Colors.** .05

COLUMBINE, See AQUILEGIA

# CONVOLVULUS MINOR (Dwarf Morning Glory)

Half-hardy annual, of trailing habit, growing about one foot high and covering a space of two feet, and bearing abundantly bell-shaped flowers similar to those of the tall sort. Flowers open on clear days about noon and remain open until evening, and are pure white and of many shades of blue and red.

- 356. **Mixed Colors.**  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05

# COREOPSIS, For Annual Varieties see Calliopsis

# 358. LANCEOLATA GRANDIFLORA.

A beautiful hardy perennial, blooming profusely the first season from seed sown early and continuously until frost. It forms a large clump the second year, which increases its blooming capacity. The flowers are a rich golden yellow, often three inches in diameter, borne on fine long stems and are very desirable for cutting. It is of the easiest culture, grows anywhere and should be in every flower garden.  $\frac{1}{2}$  oz., 20c.; oz., 60c. .05



# COSMOS

A rapid growing, graceful plant, with beautiful feathery foliage, bearing flowers which resemble the Single Dahlia; a very hardy annual of strong, vigorous habit, growing about five feet high in ordinary soil and often eight feet in very rich. It is seldom given room enough; plants should stand not closer than two and one-half feet apart, and in rich soil a greater distance. The Cosmos makes a most desirable background for many other plants, its beautiful, finely cut foliage alone making it well worth the growing for this purpose. Its value, however, is greatly increased by its lovely flowers, white, pink, crimson or rosy purple, borne in great profusion on long stems, rising above the foliage in an especially graceful manner, equally graceful in appearance when arranged in a vase with sufficient foliage. For this purpose but few other flowers are as desirable and none can be had so late in the season, as, owing to the great hardness of the plant, it bears fine flowers even after the first light frosts have come. Topping the plants when half grown will induce earlier flowering, and they will also bloom earlier and more profusely if grown on rather light and not too rich soil.



360. **Mammoth Perfection.** Mixed Colors. Flowers of mammoth size; Pkt. rather late in flowering; seed should therefore be sown as early as possible, in the house in March, or as the plant is especially hardy, in the open ground in a sheltered spot in April.  $\frac{1}{4}$  oz., 15c. .05

361. **Dwarf Early Flowering.** This, while flowers are not as large as those of the Mammoth, is growing in favor because of its earliness. If seed is sown in open ground in early spring, plants will begin to bloom the last of July and continue until November, making it, therefore, especially desirable in Northern latitudes. 4 ft. Mixed colors.  $\frac{1}{4}$  oz., 20c. .05

## CYPRESS VINE (*Ipomea Quamoclit*)

A popular climbing vine with delicate fern-like foliage, bearing in abundance small, star-shaped, rose, scarlet or white flowers. Of easy culture. Half hardy annual. 10 to 12 ft.

370. **Mixed Colors.**  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

## 365 CUCUMBER, WILD (*Echinocystis Lobata*)

One of the most rapid growing of all annual climbers, and blooms early in the season and continuously until fall. Of the easiest culture, growing wild in the West from self-sown seed. One of the most desirable plants for quickly covering any unsightly object; growing thirty feet, and covered with



**Wild Cucumber**

ground as soon as danger of frost is past, some of the plants, perhaps half, will bloom the first season. The single varieties, however, will all bloom the first season from seed sown in the open ground as late as the first week in June. An earlier planting is, however, preferable. Tender perennial. Pkt.

371. **Single, Mixed Colors.**  $\frac{1}{2}$  oz., 20c., oz., 50c. .05

372. **Special Mixture of Giant Flowered Single Varieties.** Comprises seed from noted German, English and Holland growers, and includes the Giant Perfection, and Colossal strains, and Hornsvelt's Giant Hybrids. An unsurpassed mixture of the greatest possible diversity of colors.  $\frac{1}{4}$  oz., 30c.;  $\frac{1}{2}$  oz., 50c. .15

373. **Double, Large-Flowered.** Mixed colors. Saved from the finest show varieties.  $\frac{1}{4}$  oz., 25c.;  $\frac{1}{2}$  oz., 40c. .10

small white fragrant flowers, followed by an abundance of prickly but ornamental

seed pods, it at all times presents a striking and effective appearance. Seed may be sown either in the fall or spring. Pkt.

$\frac{1}{2}$  oz., 15c.; oz., 25c. .05

# DAHLIA

While the growing of the double varieties from seed is always more or less of an experiment, such fine flowers of the single type can be so easily secured from seed the first season, that except for the perpetuation of some especially desirable variety, there seems to be no sufficient reason for carrying the roots from year to year. If seed of the double sorts is sown in March and, the young plants set in the open

ground as soon as danger of frost is past, some of the plants, perhaps half, will bloom the first season. The single varieties, however, will all bloom the first season from seed sown in the open ground as late as the first week in June. An earlier planting is, however, preferable. Tender perennial. Pkt.

371. **Single, Mixed Colors.**  $\frac{1}{2}$  oz., 20c., oz., 50c. .05

372. **Special Mixture of Giant Flowered Single Varieties.** Comprises seed from noted German, English and Holland growers, and includes the Giant Perfection, and Colossal strains, and Hornsvelt's Giant Hybrids. An unsurpassed mixture of the greatest possible diversity of colors.  $\frac{1}{4}$  oz., 30c.;  $\frac{1}{2}$  oz., 50c. .15

373. **Double, Large-Flowered.** Mixed colors. Saved from the finest show varieties.  $\frac{1}{4}$  oz., 25c.;  $\frac{1}{2}$  oz., 40c. .10



**Giant Single Dahlia**



**DAISY, ENGLISH.** (See *Bellis Perennis*)

**NOTE.** It has always seemed to us unfortunate that the English Daisy (*Bellis Perennis*) should have been given its common name, as we are quite sure that nearly every one instinctively associates with the terms daisy or daisy-like, flowers which resemble in form and habit our common field daisy. We therefore list under this head the famous Shasta Daisy and Michaelmas Daisies and call attention to other flowers often known as daisies but listed elsewhere under different names.

**BURBANK'S SHASTA DAISY.**

An extremely hardy perennial, thriving in all soils, blooming more freely each season, and when once established for several months. Easily grown from seed and can also be easily increased by division of the root. The flowers are from 3 to 4 inches across, borne on very long, stiff, wiry stems, and remaining in good condition for many days after being cut. Seed from the originator.

- 378. **Alaska.** Pure, glistening white. .15
- 379. **Burbank's Selected Hybrids.** A mixture of seeds saved from the best seedlings, including some with double rows of petals. .15

**MICHAELMAS DAISIES.** (*Perennial Single Asters*)

Beautiful and showy hardy perennials, easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early. .10

- 381. **Mixed Colors.** .10
- For other flowers known as daisies see *Anthemis*, *Brachycome* and *Chrysanthemum*.

**DELPHINIUM.** (*Larkspur*)

Showy hardy annuals and perennials, thriving in nearly all soils if well enriched and open to the sun. Seed of the annual sorts, though more generally sown in the spring, should preferably be sown in autumn, as plants commence blooming much earlier. Seed of the perennial kinds may be sown in the open ground from April to October, or inside in March and if plants are kept growing well until June and then set in the open border, some will bloom well in the autumn months. The larkspurs are especially desirable because of their lovely blue shades, of which there are in most families of plants a lack.

**ANNUAL VARIETIES.**

- 385. **Double Dwarf Rocket.** 1 ft. Mixed colors.  $\frac{1}{4}$  oz., 15c.; oz., 25 c;. .05
- 388. **Double Tall Stock-Flowered.** Mixed colors.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 391. **Double Imperial Branching (Emperor).** Mixed colors. A superior strain. 2 ft.  $\frac{1}{2}$  oz., 20c. .05

**PERENNIAL VARIETIES.**

- 393. **Elatum (Bee Larkspur).** Flowers have curiously-folded, hairy petals in the center which give them a fancied resemblance to a bee. Rich shades of blue with black center. 4 ft.  $\frac{1}{2}$  oz. 20c. .05
- 394. **Formosum.** Large flowers, deep rich blue with white centers. 2 $\frac{1}{2}$  ft.  $\frac{1}{2}$  oz., 20c. .05
- 395. **Sibiricum Hybridum.** Shades of blue. If sown early will bloom in August. 2 ft.  $\frac{1}{2}$  oz., 25c. .10
- 396. **New Hybrids.** A choice strain selected from double and single large-flowering varieties, of remarkable vigor and great beauty, and blooms more profusely than others. The spikes are stiff and strong and covered with large flowers of various shades of blue, lilac and purple, often with peculiar orchid-like markings. .15

Pkt.

from seed, few treat them as biennials. Seed may be sown in the open ground any time in May. Plants should stand about six inches apart. 1 ft. Pkt.

- 398. **Double China** (*Chinensis fl. pl.*). Small double flowers, borne in large clusters, of many colors, mostly with white edge.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

- 399. **Heddewig's Double** (*Heddewigi fl. pl.*). (*Japan Pinks*). Very large double flowers of a wide range of color, running from white and light pink through shades of red to rich, velvety crimson and deep maroon, almost black.  $\frac{1}{2}$  oz., 25c. .05



**Heddewig's Single Pink**

- 400. **Single Mixed.** Large, single flowers of rich and varied coloring.  $\frac{1}{2}$  oz., 20c .05
- 401. **Marvelous (Mirabilis).** A novel new strain; large single flowers borne on stiff, straight stems; petals cut about half their length into thread-like fringe and much twisted. Of an unusually wide range of colors.  $\frac{1}{2}$  oz., 25c. .10
- 402. **Princess Pink (Laciniatus Punctatus).** A very interesting variety; medium sized single flowers, mottled, flaked and striped in a great diversity of colors, rarely two alike. .10



**Double Imperial Pink**

- 403. **Double Diadem** (*Diadematus fl. pl.*). Large double, fringed flowers of fine, regular form and of various tints of crimson-purple to very deep purple, with white edge.  $\frac{1}{2}$  oz., 25c. .05

- 404. **Double Imperial** (*Imperialis fl. pl.*). A popular strain; fine large double flowers of many colors.  $\frac{1}{2}$  oz., 15c.;  $\frac{1}{2}$  oz., 25c. .05

- 405. **Double Royal or King's Pinks (Nobilis, fl. pl.).** An ideal strain, the earliest to bloom, flowers of the largest size and of remarkably bright solid or self colors.  $\frac{1}{2}$  oz., 25c. .10

- 406. **Double Fringed Japan** (*Laciniatus, fl. pl.*). Large, double, fringed flowers of rich and varied coloring.  $\frac{1}{2}$  oz., 25c. .05

- 407. **Fireball.** Of dwarf habit. Flowers globular, double, dark, blood-red. Excellent for bedding.  $\frac{1}{2}$  oz., 25c. .05

- 408. **Snowball.** Very double, pure white. Excellent. .10

- 409. **Salmon King (Double Salmon Queen)** (*Salmoneus fl. pl.*). New, brilliant salmon, double; distinct and attractive. .10

- 415. **Worcester Mixed.** Our own mixture of above and many other choice strains; cannot be surpassed in diversity of types and colors.  $\frac{1}{2}$  oz., 20c.; oz., 60c .05

**HARDY PERENNIAL VARIETIES (Clove or Grass Pinks) (*Dianthus Plumarius*)**

The following are mostly improved forms of the old, well-known Clove Pink, which should be more generally grown. They are of the easiest culture, grow anywhere and bloom very profusely, while the flowers are of many pleasing colors and deliciously fragrant.

- 416. **Single (Pheasant Eye Pink.)** Mixed Colors.  $\frac{1}{2}$  oz., 15c. .05

- 417. **Double and Semi-Double.** Mixed colors.  $\frac{1}{2}$  oz., 25c. .10

- 418. **Florists' Perpetual Pink (Semperflorens).** Double and semi-double, large flowers, very fragrant and of a great diversity of colors. Blooms nearly all summer and if sown in March will generally bloom the first season. .15

- 419. **New Dwarf Early Flowering (Dwarf Erfurt Clove Pink).** New strain, blooming two weeks earlier than others. Flowers double and semi-double, of spicy clove fragrance and of a great diversity of rich colors. Plant of compact growth, and marvelously profuse in bloom, producing when well established, hundreds of flowers in a season. .15



**Double China Pink**

**Dianthus**

(PINKS)

The following varieties of *Dianthus*, commonly known as Chinese and Japanese Pinks, have been for a long time very popular, and deservedly. In diversity of rich and beautiful markings they have but few rivals, and in ease of culture, freedom of bloom, and almost certain satisfactory results they stand close to the *Nasturtium*. They are hardy biennials, blooming the first year from seed, and in some localities will, if well protected, produce fine flowers the second, but, owing to the ease with which they can be grown



**DIGITALIS (Foxglove)**

Pkt.

Favorite hardy plant bearing in June and July tall spikes of finger-shaped flowers. Of easy culture, succeeding in nearly all situations, but thriving best in rich soil, partially shaded. Well suited for background to other plants and for naturalizing in the edges of woods. Hardy biennial or perennial. 2½ to 3 ft.

- 423. *Maculata Superba* (Ivery's Spotted). An especially choice strain of spotted varieties. .10
- 424. *Monstrosa*. Mixed colors. Differs from others in having a monstrous flower at top of spike. Odd, but attractive. .10
- 427. *Purpurea* (Common Foxglove). Mixed colors. .05

**ESCHSCHOLTZIA (California Poppy)**

A very showy hardy annual with beautiful, finely-cut, glaucous foliage, bearing freely and continuously poppy-like flowers of bright and attractive colors. Of easy culture; classed as an annual and invariably treated as such, it is really a perennial, and to insure a desirable period of bloom, seed should be sown as early as soil can be worked; also it should be sown where plants are to remain, as they do not well bear transplanting. The erecta compacta, or bush type, is of recent introduction, and is of more upright and compact habit than the older type. 1 ft.

- 439. *Californica*. Yellow. .05
- 440. *Mandarin*. Inner side of petals, orange; outside, scarlet. .05
- 441. *Rose Cardinal*, Large, white inside, rose outside. .05
- 442. *Mixed Colors*. .05
- 443. *Erecta Compacta Rose Queen*. Rose-carmine. .05
- 446. " " *Dainty Queen*. A lovely new variety, pale, coral-pink. .15

**EUCCHARIDIUM**

448. A pretty little hardy annual from California, allied to the Clarkia, bearing white, rose-colored and dark red flowers, and blooming profusely all summer; of the easiest culture. 1 ft. Mixed colors. .05

**EUPHORBIA**

Ornamental foliage plants, easily grown from seed. Of striking and effective appearance in various situations. Hardy annuals.

- 452. *Variiegata* (Snow-on-the-Mountain). Foliage veined and margined with white. 2 ft. .05
- 453. *Heterophylla* (Mexican Fire Plant, Annual Poinsetta, Painted Leaf). Resembles the hot-house Poinsetta so generally used for Christmas table decoration. Of branching, bushy habit, with glossy green leaves, which in mid-summer turn to beautiful orange-scarlet. 2½ to 3 ft. .10

**FORGET-ME-NOT (Myosotis)**

Favorite hardy perennials, mostly treated as annuals, nearly all blooming the first season from seed sown early in the open ground, and self-sowing freely, may be perpetuated with little care. They succeed to a degree that warrants their cultivation in average soil, and open situation, but thrive better in cool, moist soil, considerably shaded. 6 in.

- 454. *Alpestris*. Blue Alpine Forget-me-not. ½ oz., 25c. .05
- 456. *Eliza Fanrobert*. Large, sky-blue with yellow eye, much grown for cutting. ½ oz., 30c. .05
- 457. *Palustris* (True Forget-me-not). Dark blue, blooms the first season, but much more abundantly the second. ½ oz., 30c. .10
- 458. *Semperflorens*. Blue; blooms from early spring until fall. ½ oz., 30c. .10
- 459. *Distinction* (Everflowering). New; blue, blooms in 8 to 10 weeks from sowing and for a long time. .10

**FOUR O'CLOCK, Marvel of Peru (Mirabilis)**

A well-known, favorite plant, bearing freely funnel-shaped white, red and striped flowers, which open about four o'clock in the afternoon and perish before noon the next day; of easy culture, will grow anywhere. Should be given plenty of room—about three feet each way. Hardy annual. 2 ft.

- 465. *Mixed Colors*. ½ oz., 10c.; oz., 15c. .05

**FOXGLOVE. See Digitalis.**

**GALLARDIA (Blanket Flower)**

**Annual Varieties.**—Very showy, free-blooming, hardy plants of easy culture, but as seed germinates very slowly, to secure a satisfactory period of bloom, would better be sown in the house in March. Though classed as annuals, these with root protection will often live over winter, and bloom the following season, like the perennials. The flowers are very brilliant, borne on long stems, and are fine for cutting. 2 ft.

- 470. *Picta*. Single, mixed colors. ½ oz., 15c. .05
- 471. *Picta Lorenziana*. Double, mixed colors. ½ oz., 15c. .05

**Perennial Varieties.**—These are among the best hardy perennials, thriving in nearly all soils and situations; of the easiest culture, requiring no protection and almost no care. The flowers are large and of very brilliant rich shades of scarlet, orange and crimson, the three often appearing in one flower. They add greatly to the perennial border, and because of their great beauty, hardness, and ease of growth, should be more generally grown. If sown early will bloom the first season. 1½ to 2 ft.

- 474. *Grandiflora Semiplena*. Very large, semi-double flowers, richly colored. .10
- 475. *Oculata*. New; light shades, with red center; fine. .10
- 478. *Newest Varieties, Mixed*. A splendid mixture of seeds from different growers; comprises all the colorings known of the Gaillardia. .15

**DOLICHOS (Hyacinth Bean)**

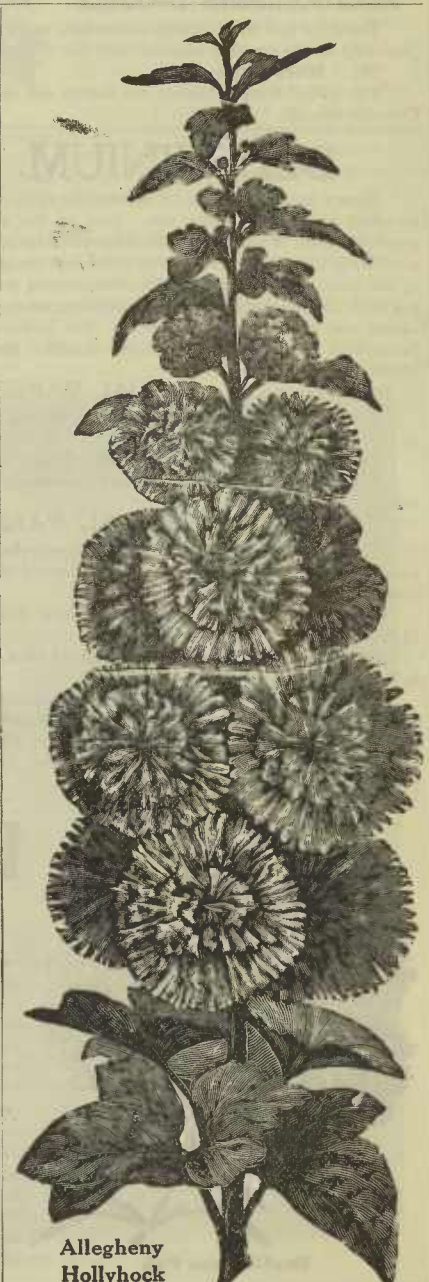
A rapid-growing, hardy, annual climber, bearing all summer clusters of white or purplish-blue flowers, which are followed by ornamental seed-pods. Sow in May where plants are to remain. The three varieties are much superior to the old "Lablab" type. 10 ft.

- 430. *Daylight*. Snow-white blossoms, silvery white seed pods. Blooms Pkt. by middle of July. ½ oz., 10c.; oz., 15c. .05
- 431. *Darkness*. Rich, purplish-violet; pods purplish-red. ½ oz., 10c.; oz., 15c. .05
- 432. *Soudan*. Brilliant rose flowers, dark red pods, intense purple stem; a pleasing combination. oz., 15c. .05
- 433. *Lablab*. Mixed white and purple. oz., 10c. .05

**EUPATORIUM**

Free-blooming hardy perennials, easily grown from seed, blooming the first season if sown early, thriving in all soils and in almost all situations. The flowers are very desirable for cutting. Should be more generally grown.

- 449. *Ageratoides* (White Snake Root). Very small white flowers, borne in dense terminal clusters or heads. Prefers a thick shade. 4 ft. .10
- 450. *Celestinum*. Clear lavender-blue flossy flowers. One of the best blue perennials. 1½ to 2 ft. .10
- 451. *Fraseri*. Snowy-white flowers, borne in clusters. 1½ ft. .10



**Allegheny Hollyhock**



# GERANIUM

Well-known, half-hardy, greenhouse perennials, easily raised from seed, only requiring some patience while waiting for plants to bloom. Seed may be sown at any time of the year, in the house in the fall, winter or early spring, or in the open ground in the summer, of course requiring that plants shall be taken up and potted at the approach of frost. Seed sown in the fall or early winter will produce flowers in June, while from that sown in March, plants will not bloom until September, and from seed sown in the open ground in May or June, fine plants will be secured which probably will bloom in mid-winter.

485. **Zonale** (Fish or Horse-Shoe Geranium). Saved from the largest and finest varieties Pkt. \$ .10

## GLOBE AMARANTH (*Gomphrena*)

A tender annual plant, bearing globe-shaped everlasting flowers, often used when dried, in winter bouquets. Blooms freely and is an excellent bedding plant. 1½ ft. Mixed colors. .05

## GLOXINIA.

One of the most beautiful green-house perennials, and one which may be successfully grown by the amateur. An expert says, "The main art in growing Gloxinias well is to give them a porous and well-enriched soil, to grow them in a warm, moist atmosphere, and as soon as they begin to flower to remove them to a cooler house, and afterward dry them off gradually, and keep them free from moisture till they again begin to grow." The seeds are small and should be sown on an even surface and but lightly covered. Moss is for this, as for all fine seeds sown in the house, preferable to soil. If used it should, however, be removed as soon as the seeds germinate.

489. **Splendid Mixed.** A mixture of all classes, unrivalled in richness of colors. .25

## GODETIA.

A showy and beautiful hardy annual, bearing freely large, delicately-shaded, satiny flowers; of easy culture, blooms best in rather poor soil. Though seed may be sown in the open ground, the period of bloom will be considerably lengthened by sowing in the house in March and transplanting to the open ground as soon as danger of frost is over. The plants require plenty of room. Close planting draws and weakens them. Rich soil tends to a greater production of leaves than flowers. The Godetia, though a native of California, is evidently much more popular in Europe than here. It should be more generally cultivated.

490. **Mixed Colors.** Including a large number of varieties and the latest introductions. ½ oz., 15c.; oz., 25c. .05

## GOURDS.

Ornamental, tender annual climbers, with curiously-formed and colored fruit, of very rapid growth; useful for covering various unsightly objects. 10 to 20 ft.

- 491. **Apple Shaped.** Small, striped. \$.05
- 492. **Dipper.** .05
- 494. **Egg Shaped.** .05
- 495. **Hercules Club.** 4 ft long. .05
- 496. **Miniature Bottle Shaped,** .05
- 497. **Orange Shaped.** .05
- 498. **Pear Shaped.** Green, striped white. .05
- 499. **Serpent.** Striped. 5 ft long. .05
- 500. **Mixed Varieties.** Small sorts. ½ oz., 10c.; oz., 15c. .05

## GYPSOPHILA (*Baby's Breath*)

Very graceful, free-blooming plants of easiest culture, succeeding in any garden soil. Flowers very small, borne in loose, graceful panicles, and are largely used in bouquets with other flowers. 2 ft.

505. **Elegans Grandiflora Alba.** White. An improved form of the annual Gypsophila. Grown by the acre for the London and Paris flower markets. Blooms quickly after sowing; several sowings should be made if desired through the season. ½ oz., 15c. .05

506. **Paniculata.** White. The variety more generally known as *Baby's Breath*. Hardy perennial. ½ oz., 15c. .05

## HELENIUM.

A valuable hardy perennial bearing in profusion in August and September long-stemmed single flowers; fine for cutting. Very effective as a background to the perennial border.

510. **Autumnale Superbum.** Deep golden yellow. 5 to 6 ft. .10

**HELIANTHUS,** See **SUNFLOWER**

## HELICHRYSUM (*Straw Flower—Everlasting*)

One of the best everlasting flowers and an effective bedding plant, succeeding in any well enriched soil. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual, 2 ft.

515. **Double (Monstrosum fl. pl.)** Mixed Colors. Largest double flowers. ¼ oz., 15c. .05

516. **HELIOPSIS PITCHERIANA.**

One of the best hardy perennials for dry soils, and its graceful flowers among the best for cutting. The plant commences to bloom early and continues through the entire season. The flowers are of a beautiful deep yellow, of great substance, and about 2 inches in diameter. 3 ft. .10

## HELIOTROPE.

A well-known and favorite plant, largely grown in pots, but thriving in the open border; usually grown from slips or cuttings, but grows readily from seed, blooming the first season if sown early. Half hardy perennial.

518. **Mixed Colors.** All shades. .05

519. **Large-Flowering.** Mixed Colors. Heads of flowers nearly double the size of the old sorts. .10

**HESPERIS,** See **ROCKET.**

525. **HEUCHERA SANGUINEA.**

A fine hardy perennial, bearing in graceful spikes rich crimson flowers, Useful for cutting, while the plant is attractive in the mixed border. 1 ft. .10



Improved Double Hollyhock

# HOLLYHOCKS.

One of the oldest hardy favorites, greatly improved in recent years, flowers being larger and of better form and plant of more compact growth. While the Hollyhock delights in deep rich soil, it must be dry or well-drained or plants will not live through the winter, nothing being so injurious to them as standing water. Some of the best flowers we have ever seen were produced by plants taken up in the fall with a ball of earth about the roots, stored in an ordinary cellar and planted out as soon as ground was ready in the spring. Plants are also successfully wintered in a cold frame. Though often sown later, seed would better be sown not later than June, and as young plants bloom better and are more hardy, it preferably should be sown every year. Hardy perennial. 5 to 7 ft. Pkt.

530. **Chater's Finest Mixed.** Saved from the choicest double varieties, a large percentage of the flowers coming double. ½ oz., 25c.; ¼ oz., 40c. .10



### HOLLYHOCKS — Continued

- |   | Pkt. |
|---|------|
| 531. <b>Double.</b> Mixed colors. <span style="float: right;">¼ oz., 20c.</span>  | .05  |
| 532. <b>Allegheny.</b> Large, semi-double flowers, beautifully fringed, of silky texture and richly colored, every bud at the top of the stem developing, making the season of bloom considerably longer. <span style="float: right;">¼ oz., 25c.</span>  | .10  |
| 534. <b>Everblooming Hybrids</b> (Annual Hollyhock). Double, Semi-Double and Single, Mixed. A new strain blooming the first season from seed and in a comparatively short time. Plants from seed sown inside in March or April will bloom in July, and those from seed sown in the open ground, in August, and in both cases continuously until frost if main stem is pinched off when 3 or 4 feet high. <span style="float: right;">.10</span> | .10  |

### HUMULUS (Hop)

Rapid growing climbers with attractive foliage, especially valuable because never injured by insects. The two Japanese varieties are hardy annuals, and are among the best annual plants for quickly covering unsightly objects. The Lupulus or common Hop is a hardy perennial, easily grown from seed, and when established of very rapid growth. Equally desirable as a screen, and has the additional feature of its large blossoms, which are not only rather attractive but useful. 10 to 20 ft.

- |  |     |
|--|-----|
| 536. <b>Japonicus</b> (Japanese Hop). Dense green foliage.   | .05 |
| 537. <b>Variegatas.</b> Variegated foliage, green and white. | .05 |
| 538. <b>Lupulus.</b> The Common Hop.                         | .05 |

### HUNNEMANNIA (Giant Tulip Poppy or Bush Eschscholtzia)

540. A valuable plant of the Poppy family closely allied to the Eschscholtzia. A perennial, always treated as an annual, blooming by middle of July from seed sown early in May, and continually until frost. The flowers are of a deep, rich yellow, large, borne on very long stems and remain in good condition a remarkably long time after being cut. 2 ft. ¼ oz., 20c.

### HYACINTH BEAN. See *Dolichos*

### 543. IBERIS SEMPERVIRENS (Perennial Candytuft)

A desirable hardy perennial of the easiest culture, a noted writer saying that it thrives best when let alone. The plant is of dwarf, spreading habit, and especially suitable for rockeries. The flowers are pure white. ¼ oz., 20c.

### 546. 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. .05

### IPOMOEA

The Ipomoea family includes the well-known Morning Glory, the Moon Flower and the Cypress Vine. All are sometimes listed by seedsmen under the head of Ipomoea, but we have chosen to list each separately, retaining under this head varieties which on account of some distinctive feature seem to more appropriately belong here. Rapid-growing climbers of easiest culture blooming earlier and more profusely on rather poor soil, but of larger growth and have more attractive foliage when grown on rich soil. Tender annual. 10 to 15 ft.

- |   |     |
|---|-----|
| 550. <b>Bona Nox</b> (Evening Glory). Beautiful, large, violet-blue flowers which open at night. Of extremely rapid growth.   | .05 |
| 551. <b>Coccinea</b> (Star Ipomoea). Small scarlet flowers, borne in profusion.   | .05 |
| 552. <b>Setosa</b> (Brazilian Morning Glory). A beautiful variety of luxuriant growth, having very large three-lobed leaves, the underside and stem being thickly set with small, reddish hairs. Flowers are a pleasing rose, about 2½ inches across, of delicate satiny texture and borne in clusters, but one or two in each cluster opening at once. | .10 |
| 553. <b>Rubra Cœrulea</b> (Heavenly Blue). Large, heart-shaped leaves; flowers 4 to 5 inches across, borne in clusters and in such profusion as to nearly cover the foliage; bright sky-blue. Very beautiful.   | .10 |

### 556. KOCHIA TRICOPHYLLA (Summer Cypress) Pkt.

A very quick-growing annual, cultivated for its beautiful foliage, which is feathery and fine as moss. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before it dies, and intensified by countless small scarlet flowers borne on the tips of the branches. This brilliant coloring has given it its other two common names of Mexican Fire Plant and Burning Bush. It is sometimes grown in hedge-like rows but more often at a distance of 2 feet apart. The plants are then of remarkably symmetrical form, resembling somewhat, while green, a diminutive evergreen. Seed may be sown in the open ground about May 1. Hardy annual. 2½ ft. .10

### 560. KUDZU VINE (*Pueraria Thunbergiana*)

A vine of wonderfully rapid growth, when well established growing to the great height or length of 40 or 50 feet. The leaves are of enormous size and the plant therefore is one of the best for forming a screen for any purpose. Blooms in August; flowers small, pea-shaped, borne in racemes; rosy purple. In the North the plant dies to the ground in the winter, but in the South becomes woody. Hardy perennial. \$.10

### LANTANNA

A favorite plant of rapid growth, blooming continually through the summer; desirable for the garden, and if taken up before frost and pruned severely, makes a fine plant for pot culture. Tender perennial shrub. 2 ft.

- |                           |     |
|---------------------------|-----|
| 562. <b>Mixed Colors.</b> | .05 |
|---------------------------|-----|

### LARKSPUR. See *Delphinium*

### LATHYRUS LATIFOLIUS (Everlasting Sweet Pea)

An easily-grown hardy perennial climber, bearing freely flowers somewhat similar in form to the Sweet Pea. If grown on moist soil will bloom nearly all summer. Colors, reddish purple, rose, and white. 6 to 8 ft.

- |                           |                            |
|---------------------------|----------------------------|
| 570. <b>Mixed Colors.</b> | ¾ oz., 20c.; oz., 35c. .05 |
|---------------------------|----------------------------|

### 575. LAVENDER

A well-known hardy perennial grown chiefly for its lasting fragrance. ¾ oz., 15c. .05

### 580. LINUM (Scarlet Flax)

A hardy annual of slender, delicate habit, bearing in profusion brilliant scarlet-crimson flowers. An effective bedding plant of easy culture. 1 ft. .05

### LOBELIA

Pretty little plants of easy culture, blooming profusely from June until frost. The varieties of dwarf compact habit are very useful for bedding and edgings; the trailing variety is excellent for hanging baskets, vases and rock work. Half hardy annuals.

- |   |     |
|---|-----|
| 585. <b>Crystal Palace Compacta.</b> Rich blue flowers, dark foliage. | .10 |
| 586. <b>White Gem.</b> White, dwarf, very profuse.                    | .10 |
| 587. <b>Gracilis.</b> Light blue, trailing.                           | .05 |

### LOVE-IN-A-MIST. See *Nigella*

### 590. LUPIN

**Annual Varieties Mixed.** Easily grown plants, with long graceful spikes of pea-shaped flowers of various colors. 2 ft. oz., 20c. .05

591. **Perennial Varieties Mixed.** Hardy plants of easy culture, useful as a background in the perennial border. Mixed blue and white. 3 to 4 ft. ¾ oz., 15c.; oz., 25c. .05

### LYCHNIS

Perennial plant of easy culture, blooming the first season if sown early.

595. **Chalcedonica** (London Pride). Bright scarlet. Though too ragged a flower for cutting, on account of its fine color and thrifty growth of plant it is very effective in the perennial border. 2 ft. .05

- |   |     |
|---|-----|
| 596. <b>Haageana Hybrids</b> Brilliant scarlet, crimson and orange. | .10 |
|---|-----|



# MARIGOLD



Eldorado Marigold

Favorite annual plant, blooming the entire season and one of the most easily cultivated. The African varieties bear large yellow or orange flowers, and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Both types are effective in various situations. Hardy annual. 1 to 3 ft. Pkt.

- 600. African El Dorado. Flowers very large, extremely double, of various shades of yellow.  $\frac{1}{2}$  oz., 15c. .05
- 601. Lemon Bell. New. The largest of all marigolds; nearly ball shaped, pure lemon-yellow. .10
- 602. Orange Prince. New. Large, rich orange. .10
- 603. Double, Mixed. All shades of the African type.  $\frac{1}{2}$  oz., 15c. .05
- 606. French Dwarf Double. Gold Striped, deep brownish red, striped yellow .05
- 607. Double, Mixed  $\frac{1}{2}$  oz., 15c. .05
- 608. Legion of Honor (Little Brownie). A single flowering variety, golden yellow, marked with a large spot of crimson. .05

# MIGNONETTE Roseda Odorata

A well-known and popular hardy annual, highly prized for its delightful fragrance. While blooming freely at all times, much larger and finer spikes are produced during the cool, moist weather of early spring and late fall. Seed sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.

- 615. Grandiflora. Improved large-flowered sweet mignonette.  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05
- 616. Defiance. Large spikes and extra large individual florets.  $\frac{1}{2}$  oz., 15c.; oz., 50c. .05
- 617. Giant Pyramidal (Crimson Giant). Of branching growth; large; of reddish cast.  $\frac{1}{2}$  oz., 10c.; oz., 30c. .05
- 618. Golden Queen. Golden yellow.  $\frac{1}{2}$  oz., 10c.; oz., 30c. .05

- 619. Machtet. Large thick spikes of reddish cast, of dwarf habit, dark foliage. One of the best for pots.  $\frac{1}{2}$  oz., 15c.; oz., 40c. .05
- 620. Parson's White. Nearly white.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05
- 621. Victoria. Of deep reddish cast.  $\frac{1}{2}$  oz., 10c.; oz., 30c. .05
- 625. Mixed Varieties. Includes the above and many other varieties.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

**MIMULUS.** Showy free-flowering plants of easy culture. Half-hardy perennials, blooming the first season, by July, if started early in the house, and continually until October. Thrives best in moist soil and somewhat shaded location. 1 ft.

- 630. Triginus (Monkey Flower). Handsome flowers, with white, sulphur or yellow ground, spotted with crimson, scarlet or pink. .05
- 631. Moschatus (Musk Plant). Small yellow flowers, musk scented foliage, of trailing habit, excellent for hanging baskets. .05

## 635. MOON FLOWER (Ipomoea Grandiflora Alba—Ipomoea Noctiflora)

A very rapid growing variety of Ipomoea, reaching the height of thirty feet or more if started early, producing in abundance large white flowers which open in the evening and on cloudy days. Germination is greatly assisted if the hard shell of the seed is cut, but care should be taken that the cut is no deeper than the outer coat. Plant about one inch deep in moist soil in a box or seed pan and set in a warm place. If soil is kept moist the seed will germinate in about two weeks. Set out the young plants as soon as all danger of frost is past, selecting a warm, sunny location. .10

# MORNING GLORY (Convolvulus Major)

A well-known climbing vine of easiest culture. Hardy annual: 10 ft. Mixed colors.  $\frac{1}{2}$  oz., 10c.; oz., 15c. .05

### 637. Japanese Giant Morning Glories.

The flowers of this strain are much larger than those of the common type. The range of colorings much greater, while the foliage is greatly varied and very attractive. The colors range from deepest purple through all shades of blue and red to pure white, in a great variety of beautiful blendings and markings. Some flowers are mottled or striped, some clouded, and others have a broad margin of distinct color. The leaves are large, on some plants marbled white and green, on others golden yellow, or yellowish green, and in contrast to the bright green of others, add greatly to the effectiveness of the plant. The vine is not as hardy nor quite as vigorous in its growth as the common type, nor does the seed germinate as quickly. Germination is assisted by soaking the seed in water for twenty-four hours before sowing. Tender annual. 8 ft.  $\frac{1}{2}$  oz., 15c.; oz., 25c. .05

MOURNING BRIDE, See SCABIOSA

MUSK PLANT, See MIMULUS



Japanese Giant Morning Glories.





# NASTURTIUM

THE NASTURTIUM is so well known that it needs no description. It is sufficient for us to say of it that, among annuals, it is rivaled only by the SWEET PEA in popular favor, and that no other plant, not even the SWEET PEA, with so little care, produces such an abundance of graceful, beautiful flowers.

## TALL NASTURTIUM (*Tropaeolum Majus*)

- |  |  |  |
|--|--|--|
| 640. <b>Atropurpureum.</b> Rich, dark crimson.                                   | 664. <b>Regelianum.</b> Deep crimson-violet.   | Pkt.                                   |
| 642. <b>Chameleon.</b> Varies in color and marking of flowers on the same plant. | 666. <b>Salmon Queen</b> (Improved Vesuvius). Rich but soft velvety salmon, dark foliage.  |  |
| 644. <b>Coccinea.</b> Bright scarlet.  | 668. <b>Sunlight.</b> Giant flower, rich golden yellow.  |  |
| 646. <b>Dunnett's Orange.</b> Bright orange, blotched red.                       | 670. <b>Von Moltke.</b> Bluish rose.   |  |
| 648. <b>Edward Otto.</b> Brownish lilac.   | Each of preceding varieties:   | oz., 15c.; $\frac{1}{4}$ lb., 40c. .05 |
| 650. <b>Golden Leaved Scarlet.</b> Deep scarlet, light, yellowish foliage.       | 671. <b>Collection of above 16 Varieties.</b> Not subject to further discount.   | .50                                    |
| 652. <b>Heinemanni.</b> Chocolate color.   | 672. <b>Choice Mixed.</b> Many varieties, a wide range of colors.  | oz., 10c.;                             |
| 654. <b>Hemisphaericum.</b> Straw color, blotched rose.                          | 2 oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 85c., postpaid. Lb. by express or at counter,   | 75c. .05                               |
| 656. <b>King Theodore.</b> Deep crimson-maroon, dark foliage.                    | See also <b>Worcester Mixed Tall Nasturtiums</b> , next page.  |  |
| 658. <b>Luteum.</b> Clear light yellow.  | 673. <b>Giant Flowered Mixed.</b> A mixture of giant flowered varieties; especially desirable for exhibition. See also novelty page. | $\frac{1}{2}$ oz., 15c.;               |
| 660. <b>Moonlight.</b> Very large, light straw color.                            | oz., 25c., $\frac{1}{4}$ lb., 75c.   | .10                                    |
| 662. <b>Pearl.</b> Very pale yellow, nearest approach to white.                  |  |  |



# LOBB'S TALL NASTURTIUM *Tropaeolum Lobbianum*

This class differs from the common or Majus class in being of a more free flowering habit and in the greater brilliancy of its flowers. Both foliage and flowers are slightly smaller and it is not as rank in growth as the common. The greater profusion of bloom and brilliancy of color, however, make it the more desirable to many.

- 675. Asa Gray. Light yellow, almost white.
- 677. Black Prince. Very dark, the nearest approach to black. Foliage dark with purplish tinge.
- 679. Brilliant. Dazzling scarlet.
- 680. Cardinale. Rich, cardinal red.
- 681. Firefly. Deep orange, spotted red.
- 683. Giant of Battles. Light yellow, spotted red.
- 685. Golden Queen. Clear, golden yellow.
- 687. King of the Blacks (Roi des Noirs). Very deep, rich maroon, dark foliage.
- 689. Lucifer. Deep scarlet, dark foliage.
- 691. Monsieur Colmet. Brownish purple.
- 693. Napoleon III. Golden yellow, spotted brown.
- 695. Regina. Brilliant salmon, changing to deep cream.
- 697. Rudolph Virchow. Rich carmine rose, beautiful.

Each of preceding varieties: oz. 15c.; 2 ozs. 25c.; ¼ lb. 40c.; pkt. 5c.

- 698. Collection of above 13 varieties, not subject to further discount. Pkt. .40
  - 700. Lobbianum. Choicest mixed. Above and other choice varieties. oz., 12c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00 postpaid. Lb. by express, or at counter, 90c. .05
  - 701. Madame Gunther Hybrids. A very choice strain of the Lobbianum type, unsurpassed for diversity and richness of colors, comprising many new combinations of colors not found in any other class. The foliage is mostly dark and forms a pleasing contrast to the richly and often delicately colored flowers. oz., 15c., 2 oz., 25c.; ¼ lb., 40c. .05
  - 702. Ivy Leaved. A new type, with leaves which resemble those of the English Ivy. See also novelty page. Mixed colors. ½ oz., 15c.; oz., 25c.; 2 oz., 45c.; ¼ lb., 75c. .10
  - 705. Worcester Mixed Tall Nasturtiums. Our own mixture of many varieties, including selections from all classes of climbing Nasturtiums. While it cannot be surpassed in diversity of colors, shades and markings, care is taken that it shall include a much larger proportion of the more pleasing sorts, rather than equal proportions of all. Extra large pkt., 10c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.35 postpaid. Lb. by express or at counter, \$1.25. .05
  - 706. New Variegated Leaved, or Queen Tall Nasturtiums. A charming departure from the regular type, having leaves variegated white, yellow and green. Destined to become very popular. .15
- Mixed Colors. Includes all the named colors or varieties that have yet been offered, and several seedlings of different colors not yet named. See also novelty page.



## DWARF, or TOM THUMB NASTURTIUMS

- 710. Aurora. Bright primrose, veined carmine. Pkt.
- 712. Beauty. Orange with scarlet markings.
- 714. Bronze Colored. A very distinct and peculiar shade.
- 716. Chameleon. Varies in color, flowers of different colors or markings on the same plant. .05
- 718. Cloth of Gold. Brilliant scarlet, foliage golden yellow.
- 720. Coeruleum Roseum. Rose with bluish tinge.
- 722. Crystal Palace Gem. Rich, sulphur yellow, spotted carmine.
- 724. Empress of India. Dark scarlet, foliage distinct, dark, purplish-green. Plant dwarfer than others.
- 726. Golden King. Rich, golden yellow.
- 728. Golden Queen. Both flowers and foliage yellow.
- 730. King Theodore. Dark maroon, dark foliage.
- 732. King of Tom Thumbs. Rich scarlet, dark foliage.
- 734. Lady Bird. Orange-yellow, suffused with red and blotch of brighter red at base of petals.
- 736. Pearl. Light cream, nearly white.
- 738. Prince Henry. Light straw yellow, spotted and suffused with rose, distinct. .05
- 740. Rose. Bright rose, small flowered but beautiful.
- 742. Ruby King. Ruby red, dark leaved.
- 743. Spotted King. Yellow, with brown spots.
- 744. Vesuvius. Rich salmon-pink.
- 746. Choice Mixed. While not equal to the Worcester Mixed following, this is of a wide range of colors, includes both light and dark leaved sorts and will give very pleasing results. Oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 85c. postpaid. Lb., by express or at counter, 75c. .05
- 747. Worcester Mixed Dwarf Nasturtiums. Like our Worcester Mixture of tall sorts, this is of our own preparation and cannot be surpassed in diversity of colors, nor in quality, of flowers. It includes the named varieties here listed, many others more or less distinct, several novelties of merit listed elsewhere, and choice strains procured from several noted foreign growers of different countries. A superior mixture which we can confidently recommend. Extra large pkt., 10c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c. Lb., \$1.35 postpaid. Lb. by express or at counter, \$1.25. .05
- 748. Queen of Tom Thumbs. A new dwarf variety, with beautiful foliage variegated silvery white and light green. The plant does not grow over nine inches high. Has numerous small leaves which overlap each other, making it of fine round form. The flowers which are borne after the plant has attained its growth, are rich brilliant crimson, rather small, but show to great advantage with the beautiful foliage as a background. One of the best easily-grown plants for an edging and very effective grown in masses. ½ oz., 20c.; oz., 35c. .10
- 752. Lilliput Hybrids (Queen of Holland). A new strain of the charming small-flowered type, of a wide range of colors, running from pale yellow to deepest purple-maroon, all blotched and including some rare combinations of colors. Foliage mostly dark. While the flowers of the Lilliput type are small and not equal for cutting to those of the common type, the plants are superior for bedding because of their very dwarf and compact habit, and much greater freedom of bloom. ½ oz., 20c.; oz., 35c. .10

Each of preceding dwarf sorts: oz., 15c.; 2 oz., 25c.; ¼ lb., 40c. pkt. .10





Nicotiana glauca

### LARGE FLOWERING VARIETIES (Grandiflora)

This class is a great improvement on the common type, both heads and florets being nearly twice as large.

831. **Extra Choice, Mixed Colors.** Our own mixture of the choicest and best strains from different growers. Unsurpassed in diversity of brilliant colors.  $\frac{1}{2}$  oz., 30c.; oz., \$1.00 .10

836. **Imported Collection.** Twelve Colors. .60

### DWARF PHLOX (Nana Compacta)

The plants of this class growing only six or eight inches high, are considered by many more desirable for general bedding purposes.

837. **Fire Ball** Bright scarlet. .10

838. **Snow Ball** Pure white. .10

840. **Mixed Colors.** All the choice varieties.  $\frac{1}{2}$  oz., 25c. .10

### LARGE-FLOWERING DWARF

A new strain, combining the large heads and individual flowers of the Grandiflora type, with the dwarf compact habit of the Nana Compacta.

841. **Mixed Colors.**  $\frac{1}{2}$  oz. 30c. .10

### STAR, OR FRINGED PHLOX (Cuspidata)

A distinct class, with petals partly fringed, partly toothed instead of round form of the regular type, and some being longer than others and regularly placed, give the flower a star-like shape.

843. **Mixed.**  $\frac{1}{2}$  oz., 25c. .10

### DOUBLE PHLOX

Double and semi-double flowers. A very desirable class for cutting, as the flowers last much longer than the single.

845. **Mixed Colors.** .10

### HARDY PERENNIAL PHLOX

A well-known and very popular herbaceous perennial, easily grown from seed.

847. **Choicest Mixed.** Saved from only the finest varieties. All colors.  $\frac{1}{2}$  oz., 30c.;  $\frac{1}{4}$  oz., 50c. .10

### PENTSTEMON (Beard-Tongue)

Half-hardy herbaceous perennial, blooming the first year from early-sown seed and living through the winter if protected. Of easy culture. Valuable for both the perennial border and when treated as an annual, blooming from June to October, and embracing almost every shade of color. 2 to 3 ft.

828. **Gloxinia-Flowered.** Choice strain of large, gloxinia-like flowers of many colors. .10

829. **Hybridus Grandiflorus.** New, largest-flowered varieties of brilliant colors. .15

757.

### NEMOPHILA (Love Grove)

Pkt.

A delicate and attractive hardy annual, bearing cup-shaped flowers about an inch in diameter, usually in shades of blue, and white often spotted with brown. Succeeds in cool shaded places, in light but rather moist loam and thrives best in northern latitudes. 6 inches. .05

### NICOTIANA (Flowering Tobacco)

Handsomeness, effective, half hardy annuals, blooming profusely the entire season, thriving in all soils and of the easiest culture. Seed may be sown early in the house and plants set in the garden in May, or in the open ground as soon as the soil is warm.

758. **Affinis.** White, deliciously fragrant, expands fully only in the evening and on cloudy days. 2 to 3 ft. .05

759. **Sanderae.** Rose-carmine, the first of this new class; remarkably profuse in bloom, the entire plant from base to summit being covered with flowers until killed by frost and unlike the Affinis, is in full bloom during the day. 3 to 3½ ft. .10

760. **Sanderae Hybrids.** New Hybrids, comprising several distinct colors or shades and white. .10

761.

### NIGELLA

#### (Love-in-a-Mist—Lady-in-Green—Devil-in-a-Bush)

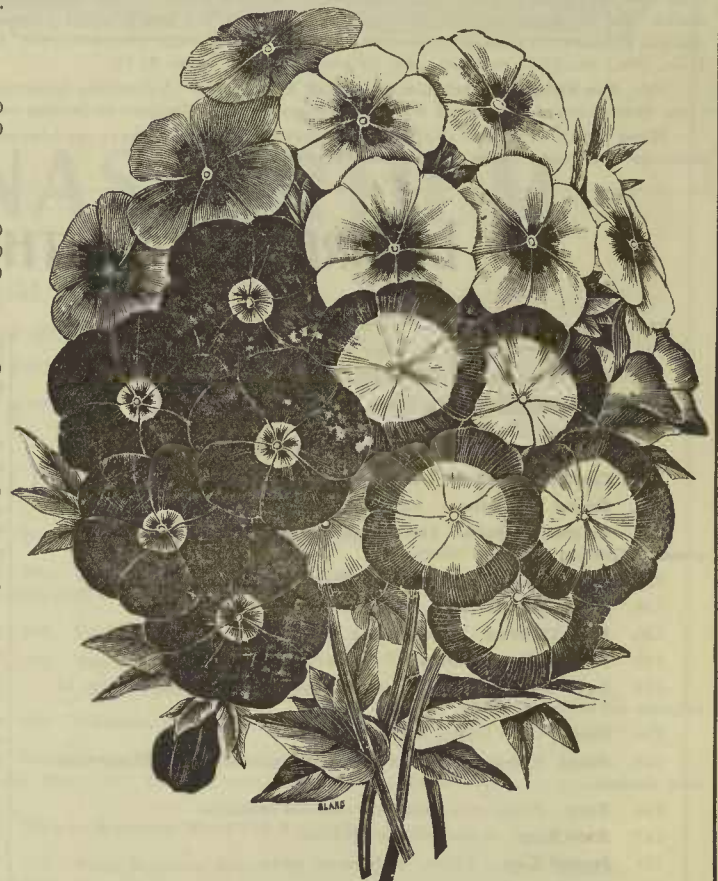
A favorite hardy annual of the easiest culture. The blue or white flowers are half-hidden in the abundant finely-cut foliage, hence its common names. 1 to 1½ ft.

Blue and White, Mixed. .05

## PHLOX DRUMMONDI

A well-known and very popular hardy annual, blooming profusely from July until frost and of the easiest culture. Seed may be sown in the open ground early in the spring, either where the plants are desired to bloom, or in beds and the young plants set in the desired location when two or three inches high. The tall sorts should stand about twelve inches apart, the dwarf about six inches. The plants will be more bushy and cover the ground better if pinched off while small.

850. **Mixed Colors.**  $\frac{1}{2}$  oz., 15c.; oz., 50c. .05



PHLOX



# PANSY



**T**HE PANSY thrives best in rich, moist soil and though well worth growing in soil of a different nature, it is only in that which is moist that the most vigorous growth and largest flowers are obtained. While good seed is necessary, we believe that the complaint made by some that they never get large flowers is more often not the fault but the misfortune of the complainant in having to put the pansy on soil unsuited to it rather than the fault of the seedsman in selling inferior seed. However the best soil is often the best one has, and if not too dry, heavily enriched, well supplied with humus and frequently and thoroughly watered, many good flowers may be obtained, which, if not of giant size, will be a delight to the grower. Well-rotted cow manure is the ideal substance with which to enrich the soil, as it not only furnishes plant food but also

humus in the best form. If, however, this is not procurable, nearly as good results are secured by commercial fertilizer and well-rotted turf or leaves. Though seed is very generally sown in the spring by the amateur the best plants are those from seed sown in early fall and they bloom early in the season, when usually nearly all soils are moist and the weather cool, conditions most favorable to the production of large flowers. Sow in August or September, preferably the former, in fresh moist soil, cover lightly and press seeds in with a board. Keep the bed moist by watering, and if the weather is hot and dry by mulching with straw or by shading with cloth. The seeds will germinate in about two weeks, when the straw or cloth should be removed. In from four to six weeks transplant to a slightly raised bed, setting the plants about three inches apart each way. Protect during winter with straw or leaves, and transplant to desired location early in the Spring. Seed may be sown in the open ground in the spring as soon as soil can be fitted. A much earlier sowing can be made in a cold frame and is of course preferable, but not necessary. The ideal location for the Pansy to bloom is one somewhat sheltered from the wind, which has the morning sun and shaded during the hottest part of the day. Such is especially desirable for plants raised in the open air in spring, as they do not reach full bloom until the weather is rather hot. Seed sown in June in a cool place will make fine blooming plants by fall. When the weather is cool, and when next to early spring, the pansy blooms the best. This is not often done, but is well worth doing if one desires Pansies out of what might be said to be their natural season.

The seed which we offer of the choicest strains is of unsurpassed quality, coming from the most noted European growers. Other strains at lower prices are of excellent quality, comprising a wide range of colors and many large flowers.

Note that our packets of Pansy seeds are larger than usually offered, rarely containing less than 200 seeds and more often 250 to 350.

Pkt.

Pkt.

770. **Bugnot's Superb Blotched.** Beautiful flowers, with broad blotches of rare shades of red, bronze or brown. Of largest size, finest form and remarkable substance.  $\frac{1}{8}$  oz., 80c.;  $\frac{1}{4}$  oz., \$1.40; oz., 5.00. \$2.50

771. **Cassier's Giant Blotched.** A very carefully selected strain of five blotched varieties, remarkable for the enormous size of the flowers and the many rare combinations of shades and colors.  $\frac{1}{8}$  oz., 80c.;  $\frac{1}{4}$  oz., \$1.40; oz., \$5.00. .25

772. **Odier Large-Flowered Blotched.** Very choice strain of three and five blotched varieties.  $\frac{1}{8}$  oz., 50c.;  $\frac{1}{4}$  oz., 90c.; oz., \$3.50. .15

773. **Trimardeau Giants.** Plants of remarkably vigorous growth and compact habit; flowers of the largest size, fine form and beautifully marked with a dark blotch on the three lower petals.  $\frac{1}{8}$  oz., 35c.;  $\frac{1}{4}$  oz., 60c.; oz., \$2.00. .10

774. **Trimardeau Parisian Large Stained.** A beautiful improved strain of Trimardeau Pansies, mostly white ground and five blotched varieties.  $\frac{1}{8}$  oz., 40c.;  $\frac{1}{4}$  oz., 75c.; oz., \$2.50. .15

776. **Madame Perret (Phenomenal).** A new strain, distinctly beautiful, pink, blotched or veined with rose, crimson or purple, the upper petals either self-colored with rich wine-red or deep purple, or with a margin of white.  $\frac{1}{8}$  oz., 50c.;  $\frac{1}{4}$  oz., 90c.; oz., \$3.50. .15

778. **Masterpiece (Germania).** Ruffled Pansies. A new strain, having ruffled and curled petals which, though there are only the usual number, give the flowers the appearance of being double. Colors rich and striking. A distinct and beautiful class.  $\frac{1}{8}$  oz., 70c.;  $\frac{1}{4}$  oz., \$1.25; oz., \$4.50. .20



**PANSY—Continued**

780. **Worcester Giant Mixed.** Our own mixture of many choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts following, and several other choice strains from different growers. Unsurpassed in diversity of colors, shades and markings and representing nearly every type of the pansy. Especially desirable for the amateur who wishes to secure in a limited number of plants as great a variation of colors and types as possible.  $\frac{1}{2}$  oz., 60c.;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.75.
782. **Large-Flowered Mixed.** Our own mixture of varieties which because they produce seed plentifully, we are enabled to offer at a low price. The range of colorings is excellent and the mixture will be found very satisfactory.  $\frac{1}{2}$  oz., 30c.;  $\frac{1}{4}$  oz., 50c.; oz., \$1.75 .15
783. **English Prize Mixed** Includes many with face-like markings of various shades.  $\frac{1}{2}$  oz., 30c.; oz., \$1.00. .05
785. **Choice Mixed.** A mixture of many varieties.  $\frac{1}{2}$  oz., 25c.; oz., 85c. .05

Pkt.

**NAMED LARGE OR GIANT-FLOWERED SORTS.**

786. **Giant Adonis.** Splendid light blue, with white center and dark blotches.
788. **Emperor William.** Ultramarine blue, with dark center.
790. **FREYA (Silver Edged).** Very fine.
792. **Golden Queen (Pure Yellow).**  $\frac{1}{2}$  oz., 50c.
794. **Indigo Blue.** New, rich shade.
796. **King of the Blacks.**
798. **Light Blue.**
800. **Lor Beaconsfield.** Violet, shading to white at the top. Very popular.
802. **Mauve Queen.** New, beautiful mauve.  $\frac{1}{2}$  oz., 60c.
804. **Peacock.** Rich blue and purple, edged white, very striking.
805. **Ruby King.** Superb reddish shades.  $\frac{1}{2}$  oz., 50c.
808. **Snowflake.** Pure white.
810. **Striped.** Rich, dark shades.
811. **Yellow (with large black eye).** One of the best.
- Each of above 14 sorts except where noted  $\frac{1}{2}$  oz., 40c. .10



Petunias

# PETUNIA

The Petunia is one of the most easily grown plants, and blooming profusely all summer, is one of the most popular for bedding. It thrives best in a warm, sunny location. Seed may be sown either where plants are to remain, in beds for transplanting, or for early blooming, in the house in boxes. Seed should be sown thinly and all the plants allowed to grow until they have attained a size sufficient to make a selection, because almost invariably the weaker plants produce the finer flowers. This is especially true of the choice strains. Pkt.

812. **Mixed Colors.** A fine mixture of the common small-flowered type.  $\frac{1}{2}$  oz., 15c.;  $\frac{1}{4}$  oz., 25c.; oz., 75c. .05
814. **Finest Mixed.** A superior mixture.  $\frac{1}{2}$  oz., 20c.;  $\frac{1}{4}$  oz., 30c.; oz., \$1.00 .10
815. **Striped and Blotched.** Mixed. A choice strain.  $\frac{1}{2}$  oz., 25c.;  $\frac{1}{4}$  oz., 40c. .10
816. **Howard's Star.** Rich shade of maroon, with five-pointed star of white. Very pretty.  $\frac{1}{2}$  oz., 40c. .10
817. **Dwarf Inimitable.** Mixed colors. Dwarf, bushy plants, flowers mostly beautifully striped and blotched.  $\frac{1}{2}$  oz., 40c. .10
818. **Baby Blue (Sylvia).** A charming bedding variety because of its dwarf compact habit, and great profusion of flowers, the plant beginning to bloom when only a few inches high and continuing the entire season. The flowers are small, of a soft reddish purple, but when grown in solid masses and seen in strong sunlight they appear at a little distance to be blue. .10
822. **Large-Flowering, Extra Choice Mixed.** A superior mixture of large-flowered varieties with beautiful markings. .20
824. **Giants of California.** A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed. They are of almost every conceivable shade including many with deep throats of yellow, green, maroon, black or white veined, striped or blotched with some contrasting shade. Plant of vigorous growth and blooms profusely. .25

**DOUBLE LARGE-FLOWERING EXTRA CHOICE MIXED**

Double Petunias do not produce seed. It is secured from hand-pollinated single flowers of the finest types. At the best, by careful selection of all of the weaker seedlings, not over 30 per cent of the flowers will come double, while 20 to 25 per cent is more often the number secured. The balance, however, from the seed we offer, will nearly all be of the very choicest types of single flowers, including a proportion of ruffled and fringed varieties. Seed of double petunias does not germinate quite as well as that of the single and should be carefully sown in fine soil, kept moist, but not soaked. The double varieties can usually be perpetuated by slips or cuttings, but they do not always come true even when propagated in this way. .50

## PLATYCODON (Chinese Bell Flower)

One of the best hardy perennials and one of the easiest grown, its propagation being more easily accomplished by seed than by division of the root. It forms large clumps and is well adapted to the hardy border. Blooms from July to September. The flowers are large, steel-blue, rather more open than bell-shaped. 2 to 2  $\frac{1}{2}$  ft. \$ .10

## POLEMONIUM COERULEUM JACOB'S LADDER

A hardy perennial, very popular in olden times. Easily grown from seed, preferably sown in the fall. Bears large heads of showy blue flowers and blooms from May to August. 2 ft.

**PINK.** See Dianthus.



# POPPY



SHIRLEY POPPY

872. **Shirley**—"Santa Rosa" Strain. This strain of Shirley Poppy is said by Mr. Burbank, from whom we procured seed, to have been "produced by years of rigid selection and acknowledged to be the best and most varied strain in existence. Unusually large flowers, remarkably clear colors, including new striped, new salmon shades and new bluish ones, all mixed."  $\frac{1}{4}$  oz., 25c. .10

874. **Umbrosum**. Rich vermilion with a spot of glistening black on each petal. Very showy. .05

## DOUBLE ANNUAL VARIETIES.

878. **Carnation-Flowered**. Mixed. Fine large fringed flowers, of many colors. A popular class. oz., 20c. .05

880. **Cardinal**. Very large, pure cardinal-red; deeply cut, dark green foliage; very attractive .05

882. **Golden Poppy**. A very striking new variety, with golden yellow foliage, and flowers in different shades of red. .10

884. **Peony-Flowered**. Mixed. Large globular flowers resembling a Peony. oz., 20c. .05

**ORIENTAL POPPIES.**—These are very desirable for the perennial border, being extremely hardy. Easily grown from seed, which may be sown either late in the fall or early in the spring. They bloom the second spring from sowing, and though their season is short—about three weeks in June—they make a very effective display and are well worth the little trouble it takes to grow them.

892. **ORIENTALE**.—The well-known variety, with deep crimson flowers having a distinct blotch of black on each petal.  $\frac{1}{4}$  oz., 25c. .10

893. **New Orientale Hybrids**. Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. .15

Well-known hardy plants of quick growth, blooming profusely for a considerable time, thriving best on light, sandy loam. Seed of the annual varieties should be sown as early in the spring as possible and where desired to bloom, as they do much better when they start to grow in cool weather, and are very difficult to transplant. The seed is fine and should be only slightly covered. The period of bloom will be considerably prolonged if all the flowers are cut or not allowed to form seed pods. They will last much longer if cut when just opening.

## SINGLE ANNUAL VARIETIES.

860. **Admiral**. Large, single peony-flowered variety, glistening white with broad band of brilliant scarlet at the top. .10

862. **Danebrog, or Danish Cross**. Brilliant scarlet, with white spots at base of each petal. .05

**Mephisto**. Beautifully fringed, usually brilliant scarlet with black spots, but varies to rose and white. .05

864. **Miss Sherwood**. Fine large flower, satiny white with upper half delicate rose, a distinct and beautiful combination, of unusual substance. Excellent for cutting. .10

866. **The Bride**. Large, pure white. .05

868. **Tulip-Flowered**. Bright scarlet, cup-shaped flowers borne well above the foliage. .05

870. **Shirley**. A lovely strain, comprising many delicate and rich shades, ranging from pure white through pink, rose, scarlet and red to the deepest crimson, the darker shades often having a margin of white. Many of the flowers have crimped or wavy petals, all are of fine silky texture, but of good substance, and not surpassed by any for cutting.  $\frac{1}{4}$  oz., 15c. .05

886. **Snowdrift, or Double White Fringed**. Flowers from three to four inches across, very double and finely fringed. Pure white. .05

888. **Worcester Mixed**. Our own mixture of single and double annual varieties; of great diversity of types and colors.  $\frac{1}{4}$  oz., 15c.; oz., 50c. .05



UMBROSUM POPPY

## HARDY PERENNIAL POPPIES.

**ICELAND POPPIES.**—Though perennials and hardy, these are very generally treated as annuals, blooming the first year if seed is sown early. They are of graceful habit, having fern-like foliage which grows in tufts, and from which spring the slender flower-stalks. They bloom profusely and, if no seed pods are allowed to form, until October. The flowers keep well if cut at the proper time. Like many other hardy herbaceous perennials, young plants are much more hardy than old, so that if not treated as annuals, these would better be treated as biennials, that is, seed be sown every second year.

890. **White, and Shades of Yellow and Orange**. Mixed.  $\frac{1}{4}$  oz., 20c. .05

891. **Burbank's Selected Strain**. A superior strain; seed direct from Mr. Burbank.  $\frac{1}{4}$  oz., 25c. .10



SNOWDRIFT POPPY

# PORTULACA

Well-known tender annuals, blooming profusely soon after seed is sown until cut down by frost. They thrive in nearly all soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. They are of but little value for cutting, but form a dazzling display when sown in masses.

895. **Single Mixed**.  $\frac{1}{2}$  oz., 25c.; oz., 40c. .05

896. **Double, Choice Mixed**. Usually from fifty to sixty per cent of the flowers will come double, attaining the highest proportion and largest size the latter part of the summer.

$\frac{1}{2}$  oz., 40c.;  $\frac{1}{4}$  oz., 65c. .10



## Primula Sinensis Chinese Primrose

A beautiful, winter-blooming greenhouse perennial, and one of the most pleasing for the home, blooming from December to Spring. While its culture is not easy, it is by no means impossible for the amateur to raise fine thrifty plants from seed. For early winter blooming seed should be sown the first week in April. Two sowings are advisable, but the second should not be later than the middle of May. Sow in well-drained shallow pans or boxes, using finely-sifted loam, leaf-mold and sand in equal parts. Cover lightly and water carefully but well. Keep always moist and in shade, and in a temperature of about 60°. When the plants have three or four leaves plant into other shallow pans or boxes, and when large enough into 2½ in. pots. Shift into larger pots as the plants require and finally into 6-in., using then a compost of good loam and a liberal part of well-rotted cow manure. Keep through the summer in a cool, shady location, and in the winter in a north window in a temperature of 45°.

898. **Choicest Mixed.** Comprises the finest fringed varieties. .35

## Primula Obconica

This is much more easily grown than the preceding. Comes into bloom sooner after sowing and continues in bloom much longer. Seed sown in May will produce blooming plants by early fall. A beautiful pot plant and does well in the open ground in a cool, shady location if soil is strong, moist, and rich. The treatment is about the same as of the Chinese Primrose except that the seeds should be sown in good porous soil as they do not germinate well in leaf-mold. The soil for final potting should be heavy and the plants should be kept in winter in a temperature of from 50 to 60°.

899. **Grandiflora.** Blooms profusely; white, shading to lilac. .10

900. **Fimbriata.** Same as preceding but flowers are as finely fringed as those of the Chinese Primrose and of various shades. .15

901. **Gigantea.** The finest variety; of vigorous growth and has very large heads of bloom. Varies from pale lilac to rose. .20

## Hardy Primroses

The following, though known as hardy perennials, require in this climate some protection. They may be placed in a cold frame, or if protected with leaves covered by a box they will generally live through our severest winters. They are among the best of the early spring-blooming plants, and well worth the little care required to protect them.

**Elatior** (more commonly known as **Polyanthus**). Excellent for either pot or out-door culture. Colors mostly shades of yellow, and red and yellow.

902. **Choicest Mixed.** .10

903. **Officinalis** (English Cowslip). Bright yellow. .10

904. **Vulgaris.** True yellow English Primrose; canary yellow; fragrant .10

## Pyrethrum

Hardy herbaceous perennials of easy culture. **P. Aureum** is the well-known foliage plant, Golden Feather. The others bloom freely from June to September, bearing daisy-like flowers excellent for cutting.

910. **Aureum** (Golden Feather). Golden foliage, small white flowers. Cultivated for its foliage alone and usually treated as an annual. 1 ft. .05

912. **Aureum Selaginoides.** A variety of the preceding with finely cut, moss-like foliage. Pkt. .10
913. **Roseum Hybridum.** Large-flowering single varieties, ranging from light pink to deep red, with bright yellow center. .10
914. **Roseum Hybridum Grandiflorum.** New; flowers often four inches in diameter; all the variations of shade between light rose and carmine. .15
917. **New Double Hybrids.** Choicest mixed. Large double or semi-double flowers. .20
918. **Uliginosum** (Giant Daisy). Often classed with the Chrysanthemums. Large single white flowers. A fine plant for the perennial border, growing 3 to 4 feet high and covered with flowers from August to October. .10

**RESEDA.** See **Mignonette.**

## Rhodanthe

One of the 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. 1 ft.

920. **Mixed Colors.** Various shades of pink, rose, and crimson, and white. .05

**RICINUS.** See **Castor Bean.**

## Rocket (Hesperis Matronalis)

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. The fragrance is much more powerful in the evening. 1½ ft.

921. **Mixed.**

**ROSE Champion.** See **Agrostemma Coronaria.**

**ROSE OF HEAVEN.** See **Agrostemma Coeli.**

## Rudbeckia (Cone Flower)

To this family belong the favorite plant Golden Glow and the well-known wild flower, Black-eyed Susan or Yellow Ox Eye Daisy. Both the annual and the perennials are of the easiest culture and grow in nearly all soils and situations, thriving alike in partial shade or fully exposed to the sun.

923. **Bicolor Superba.** Free blooming annual of dense bushy growth, bearing on long stems large bright yellow flowers with velvety brown spots at base of petals, and disc or cone of brown. Excellent for cutting. 2 ft. .05

925. **Neumannii.** Large golden-yellow flowers with maroon cone. Very showy; blooms for a long time. One of the best hardy perennials. 2 ft. .15

926. **Purpurea** (Echinacea). (Giant Purple Cone Flower). Large flowers, about 4 inches in diameter, reddish purple with large cone of brown. Hardy perennial. 3 ft. .15



# SALPIGLOSSIS (Velvet Flower—Painted Tongue)

Graceful, half-hardy annual, bearing from August to October richly-colored funnel-shaped flowers, ranging from deepest purple to almost black, and blue, through various shades of red, brown and yellow to creamy white, usually marbled or veined with several contrasting colors. These are borne on long slender stems, and are excellent for cutting, keeping well in water. Seed may be sown in the house the last of March or in the open ground in May. If sown in the house, care should be taken that the young plants do not at any time become stunted. The plant succeeds best in deep, rich, rather light loam of medium moisture. 2 ft.

928. **Grandiflora.** Choicest mixed. Extra large-flowered strain of many rich colors.  $\frac{1}{2}$  oz., 20c. .05

929. **Emperor.** Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold.  $\frac{1}{2}$  oz., 20c. .10

## SAPONARIA (Bouncing Bet)

930. **Caucasica.** An improved double form of the Common Bouncing Bet (*S. Officinalis*), of dwarf and more compact habit, and blooming longer. Blush-white, fragrant flowers, good for cutting. Blooms from mid-summer to late autumn. Hardy perennial suitable for the permanent border. 1 $\frac{1}{2}$  ft. .05

931. **Annual Sorts.** Mixed. Pretty dwarf plants of easy culture, blooming freely all summer, Red, white and rose. 1 ft. .05

## SALVIA (Scarlet Sage)

Deservedly one of the most popular autumn blooming bedding plants, a mass of bloom from the time it commences until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors or in a hotbed and the plants set out when the weather has become warm.

935. **Splendens Grandiflora.** The well-known Scarlet Sage, the most popular variety. 3 ft.  $\frac{1}{2}$  oz., 40c.; oz., \$1.50. .05-.10

936. **Bonfire (Clara Bedman).** Differs from the preceding in being of more compact but bushy growth, blooms earlier and more profusely. The erect spikes reach well above the dark green foliage and completely cover the plant. Intense scarlet. 2 ft.  $\frac{1}{2}$  oz., 40c.; oz., \$3.00. .10

938. **Lord Faunteroy.** Of distinct type, the plant growing only about 18 inches high, of very compact habit, while the flower spikes are longer and more freely produced than those of any other variety. Especially valuable for various bedding purposes on account of its low growth. Brilliant crimson-scarlet.  $\frac{1}{2}$  oz., 50c. .15

940.

## SANVITALIA PROCUMBENS

Pretty, free-blooming hardy annual, bearing bright golden yellow, double flowers from midsummer to late fall. Of easy culture, thriving best in light soil open to the sun. Of trailing habit. 6 in. .05

## SCABIOSA (Mourning Bride)

This old favorite has been greatly improved in recent years. The flowers are larger and more double and of a greater variety of colors. They are among the best for cutting, having long stems and lasting nearly a week. The plant is of easy culture and blooms freely from July until hard frost. Hardy annual. 2 $\frac{1}{2}$  ft. Pkt.

945. **Large Flowered.** Mixed colors. Fine, large double flowers in a wide range of rich colors.  $\frac{1}{2}$  oz., 15c. .05

SCARLET RUNNER, See BEANS — Ornamental Varieties.

## SCHIZANTHUS (Butterfly or Fringe Flower)

Beautiful, dainty, half-hardy annual, sometimes called the "poor man's orchid"; of easy culture in any good garden soil. Seed may be sown in the open ground, or preferably in the house, and the plants set in the garden in May. Should be planted in a sheltered place or the plants tied to stakes as the stems are very brittle and easily broken by strong winds. The Schizanthus is also an excellent house plant. 1 to 1 $\frac{1}{2}$  ft.

948. **Grandiflorus Hybridus.** Very fine new varieties. .10

950.

## SENSITIVE PLANT (Mimosa Pudica)

A curious plant, bearing globular heads of small pink flowers, but grown chiefly for the peculiar habit of the plant, the leaves closing and drooping at the slightest touch. Tender annual. 1 $\frac{1}{2}$  ft. .05

## SILENE (Catchfly)

Profuse flowering plants of easy culture, thriving in any ordinary soil. Seed of the annual sorts may be sown in the open ground early in the spring, or in the fall if early bloom is desired.

951. **Armeria, Mixed** (Common Catchfly). Annual; blooms from July to September. White, pink and red. 1 $\frac{1}{2}$  ft. .05

952. **Pendula Compacta.** Annual; blooms from May to August; bright rose. Largely used for edgings. 6 in. .05

953. **Pendula Compacta Double.** Mixed colors. Double flowers. White, rose and red. Annual. May to August. 6 in. .05

954. **Schafta.** Beautiful little perennial of trailing habit, bearing profusely from June to October, small rose-colored flowers. .10

SNAPDRAGON, See ANTIRRHINUM



Lower Flower 1-2 Actual Size.  
EMPEROR SALPIGLOSSIS.



# SWEET PEAS STANDARD SORTS

Sweet Peas succeed best when planted early, the earlier the better. The soil should be at least of medium fertility and well prepared. Sow thickly in drills about five inches deep, but cover with but two inches of soil, filling the drill when plants are a few inches high. Seed may be sown in either single or double rows, the latter being preferable because more economical of space and also because requiring only half as much material for the support of the vines. For this purpose poultry netting is often used, but brush is better. The season of blooming will be much longer if all flowers are cut, as the plants soon cease to bloom if pods are allowed to form.

The following varieties are the best of their respective coloring excepting novelties. Many are of the grandiflora or large-flowering class, others of medium size are included in the list, either because the largest and best of their shade or color, because very distinct, or because yet extremely popular.

NOTE.—Wherever the term largest is used in descriptions it applies to varieties in list or to any of previous introduction, but does not include in comparison the varieties of recent introduction of the Spencer and Unwin type listed in novelty pages, the flowers of which average much larger than those of the older grandiflora class.

All Varieties at uniform price: Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.;  $\frac{1}{2}$  lb., 35c.; lb., 60c., postpaid. By express or at counter,  $\frac{1}{4}$  lb., 30c.; lb., 50c.

995. **America.** Crimson scarlet, striped on white; large, open form. The brightest striped variety.

1000. **American Queen.** Magenta rose, self-colored; large, open form. Very bright and holds color well.

1005. **Apple Blossom.** Standard carmine pink shaded at midrib to lighter at edges; wings white, tinged and shaded with pink, medium size, hooded form.

1010. **Aurora.** Orange rose, striped on white, large hooded form of the best type. Very attractive.

1015. **Black Knight.** Very deep maroon with veinings almost black; large, open form.

1020. **Blanche Burpee.** Pure white, large, slightly hooded. A popular variety, but not equal to Dorothy Eckford.

1025. **Blanche Ferry.** Standard bright carmine rose; wings white tinged with pink; medium size, open form. The most popular pink and white variety.

1030. **Countess of Lathom.** Cream pink; self-colored, medium size, hooded form.

1035. **Countess of Cadogan.** Standard opens nearly purple but soon changes to lilac and later to blue; wings bright blue, shaded, lighter at edges. Whole effect bright blue when mature. Superior in form to Navy Blue.

1040. **Dainty.** Pure white edged with light pink on both standard and wings, shaded lightly with light pink; medium size, hooded form. The stems are the longest of any variety and bear, almost invariably, four flowers.

1045. **Dorothy Eckford.** The best pure white variety, of the largest size and best semi-hooded form. Is similar in effect to Blanche Burpee but fully one-half larger.

1050. **Duke of Clarence.** Dark claret, self colored; large, hooded form of the best type. The lower flower on the stem is usually double.

1055. **Duke of Westminster.** Standard clear purple; wings purple with tint of violet; large, hooded form.

1060. **Earliest of All.** Very similar to Extra Early Blanche Ferry, but earlier.

1065. **Eliza Eckford.** Standard white, shaded with pink; wings white, lightly tinged with pink; medium size.

1070. **Emily Eckford.** Standard rose purple; wings lilac.

1075. **Emily Henderson.** Pure white; large, open form, petals of more substance than other white sorts; not as graceful in form as the hooded varieties, stems very thick. Plant of vigorous growth and blooms profusely.

1080. **Flora Norton.** Bright, clear blue with a faint suggestion of purple at times; medium size, open form. More nearly blue than any other.

1085. **Golden Rose.** Primrose, lightly striped and mottled with light pink; very large, semi-hooded form of the finest type; wings unusually large; both wings and standard wavy at edges.

1090. **Gorgeous.** Standard scarlet orange; wings bright rose, strongly tinged with orange; medium size, open form. Intensely bright, much more so than any of this class, very attractive, but burns in hot sun.

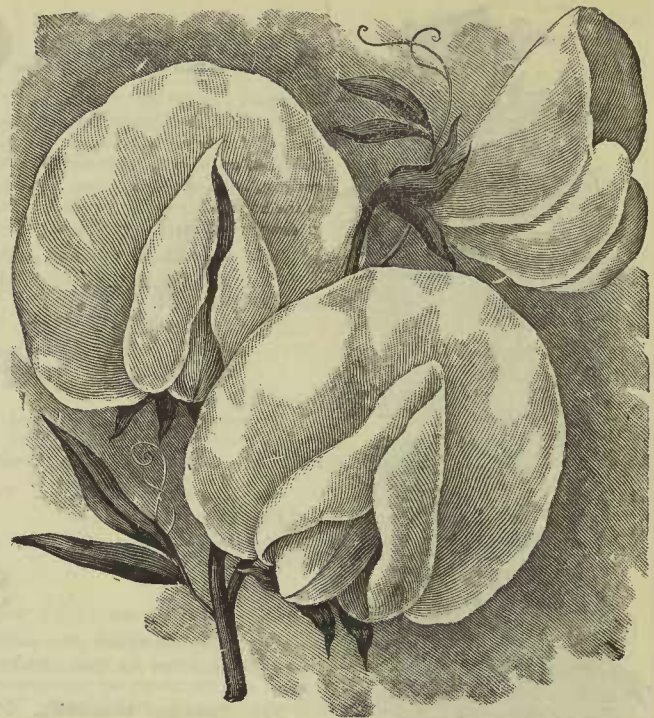
1095. **Gray Friar.** Heliotrope marbled or dusted on white and generally showing a few stripes of violet near midrib of standard; large, hooded form.

1100. **Hon. F. Bouverie.** Standard and wings both deep pink at the base, shading to very light pink at the edges, with ground of primrose. In effect nearly buff.

1105. **Janet Scott.** Deep but bright pink, showing buff at top of standard, the top blossom lighter pink and showing more buff; large, hooded form. Distinct in both color and form.

1110. **Jeannie Gordon.** Standard rose, veined with deeper rose, on primrose ground; wings primrose tinged with pink; large, hooded form.

1115. **Jessie Cuthbertson.** Primrose striped with light pink; large, hooded form.



1120. **Katherine Tracy.** Standard soft pink; wings a trifle lighter; almost a self color; medium size, open form. The standard is nearly round and inclined to wavy edges. A very attractive flower and plant is of very vigorous growth but usually bears but two flowers to the stem.

1125. **King Edward VII.** Bright red or crimson scarlet, almost self-colored. Of largest size and open form. One of the best of this color.

1130. **Lady Nina Balfour.** Standard mauve, wings lavender, on a primrose ground, giving the blossom a pearl gray tone quite distinct from New Countess.

1135. **Lady Grisel Hamilton.** The largest size and lightest shade of lavender varieties; of hooded form.

1140. **Lady Mary Currie.** Standard crimson orange, wings crimson with tint of orange; above medium size, hooded form.

1145. **Lord Roseberry.** Bright magenta rose showing veins of deeper shade; large, hooded form.

1150. **Lottie Eckford.** Standard white heavily shaded with lilac; wings white shaded with lighter lilac and both have a rim of deep blue; large, hooded form, strongly inclined to double.

1155. **Lovely.** Deep pink shading to light pink at the edges; large hooded, form. Plant vigorous, usually has four flowers to the stem. A very attractive variety.

1160. **Majestic.** Rose red, self-colored on a primrose ground; large, hooded form.

1165. **Marchioness Cholmondeley.** Standard light salmon, buff and cream; wings light buff, above medium size, hooded form.

1170. **Miss Wilmot.** Standard orange pink, veined with deeper shade; wings rose, tinted orange; very large, semi-hooded form of best type. Stems long; plant vigorous. The largest and best of this shade.

1175. **Modesty.** White with tint of pink a little deeper at the edges; medium size, hooded form.

1180. **Mont Blanc.** Pure white, medium size and open form. Plant dwarf, very early.

1185. **Mrs. Dugdale.** Crimson rose, self-colored, on primrose ground; very large, semi-hooded form of a distinct shell shape—one of the best forms we have. A fine variety, distinct and attractive.

1190. **Mrs. Geo. Higginson, Jr.** Light lavender almost azure blue and nearly free from any tint of mauve; medium size, semi-hooded form.

1195. **Mrs. Jos. Chamberlain.** Rose, striped on white; very large, hooded form.

1200. **Mrs. Walter Wright.** Rose purple, self-colored; very large, hooded form.

1205. **New Countess.** Nearly pure lavender, self-colored; medium size, hooded form.

1210. **Nymphæa.** The first blossoms open white but turn pink, the bottom flower being darker than the others, the top remaining always white; large, semi-hooded form with slightly wavy edges. Stems long and usually bear four flowers.



## SWEET PEAS—Continued

1215. **Othello.** Very dark maroon showing veins of almost black; large, hooded form.
1220. **Prima Donna.** Pure pink, self-colored; over medium size, hooded form. Vine vigorous, usually four flowers to the stem. The best of the pink sorts.
1225. **Prince Edward of York.** Standard scarlet with tint of crimson; wings crimson; large, open form.
1230. **Prince of Wales.** Rose crimson, self-colored. Vine vigorous, usually four blossoms to the stem. The largest and finest of this shade.
1235. **Queen Victoria.** Light primrose, self-colored; over medium size, hooded form. Being black-seeded is more nearly sure to germinate and to grow more vigorously than white-seeded varieties of this shade.
1240. **Ramona.** Light pink striped on white; over medium size, hooded form.
1245. **Royal Rose.** Standard crimson pink, shading deeper at midrib; wings pink shading lighter at edges; very large, semi-hooded form of the best type.

1250. **Salopian.** Pure red, self-colored; large, hooded form. Stands hot sun better than others of this color. One of the best.
1255. **Sensation.** Standard very light pink and buff; wings pure white; over medium size, hooded form of the best type. Nearly always four blossoms to the stem.
1260. **Shasta.** Pure white; very large, open form, wavy at the edges. Usually four blossoms to the stem.
1265. **Stella Morse.** Buff with tint of pink a little deeper at the edges. When bunched has a rich cream effect.
1270. **Sunset.** Primrose striped with rose; large, hooded form.
1275. **The Hon. Mrs. E. Kenyon.** Light primrose, self-colored; very large, semi-hooded form. The best of this shade.
1280. **Triumph.** Standard rose heavily veined with scarlet rose; wings light crimson pink veined with crimson; large, open form.
1285. **Venus.** Light pink and buff blended; medium size, open form.
1290. **White Wonder.** Pure white; frequently produces double stems with five to nine blossoms, fully half of the flowers being double, having two or three standards. Under general conditions a large percentage of the blossoms are double, so this variety may be regarded as the very best double white.

## COLOR CLASSIFICATION. A Duplicate List which will Aid in Selecting desired Colors or Shades

**White.** Blanche Burpee, Dorothy Eckford, Emily Henderson, Mont Blanc, Shasta, White Wonder.

**Pale Yellow or Primrose, and Light Pink and Primrose.** Marchioness of Cholmondeley, Queen Victoria, Stella Morse, The Hon. Mrs. E. Kenyon.

**Very Light Pink or Light Blush.** Modesty, Sensation.

**Light Pink, Clear Pink and Pink and Buff.** Countess of Lathom, Dainty, Eliza Eckford, Hon. F. Bouverie, Janet Scott, Katherine Tracy, Lovely, Nymphæa, Prima Donna, Venus.

**Deeper Pink.** Apple Blossom, Jeannie Gordon, Royal Rose, Triumph.

**Rose.** American Queen, Lord Roseberry, Majestic, Mrs. Dugdale, Prince of Wales.

**Orange and Pink.** Gorgeous, Lady Mary Currie, Miss Wilmot.

**Shades of Red.** King Edward VII., Prince Edward of York, Salopian.

**Rose and White.** Blanche Ferry, Earliest of All.

**Lavender and Mauve.** Emily Eckford, Lady Grisel Hamilton, Lady Nina Balfour, Lottie Eckford, Mrs. Geo. Higginson, Jr., Mrs. Walter Wright, New Countess.

**Blue and Purple.** Countess of Cadogan, Duke of Westminster, Flora Norton.

**Very Dark Shades—Claret and Maroon.** Black Knight, Duke of Clarence, Othello.

**Striped and Variegated.** America, Aurora, Golden Rose, Gray Friar, Jessie Cuthbertson, Mrs. Jos. Chamberlain, Ramona, Sunset.

## VARIETIES OF RECENT INTRODUCTION WORTHY OF SPECIAL MENTION

Uniform Price, except where noted: Pkt. 5c., oz. 15c., 2 oz. 25c., ½ lb. 40c.

1016. **Black Michael.** Bright shining maroon, almost self-colored, the wings being only a shade lighter than the standard. A beautiful large and well-formed flower of desirable color.

1061. **Earliest White.** It is claimed for this variety by the introducers that it will come into full bloom in forty-five days after seed is planted in the open ground. The plant grows only from sixteen to twenty inches high, making it desirable for forcing. The flowers are of good size and well formed, and have stems six to eight inches long. The seed is black, insuring a better stand and greater vigor and hardness than white seed. The chief value of the variety lies in its earliness.

1079. **Evelyn Byatt.** Standard rich orange-salmon, wings a trifle deeper giving the flowers as a whole the effect of fiery orange or deep sunset color. Distinct and striking.

1096. **Helen Pierce.** The new variety which resembles in its markings a blue-mottled Gloxinia. Pure white, mottled or dotted with bright blue and faintly veined with same color, but with no suggestion of a stripe. Of good size, shell-shaped; unique and especially attractive when cut and bunched by itself.

1097. **Henry Eckford.** The most distinct and unique of all the Eckford varieties. Self-colored, bright but soft flaming orange slightly deeper at center of the flower. Of medium size. Unfortunately the flowers fade quickly in the bright sun, and should be cut and placed in water as soon as open. They are well worth any extra pains and those of no other variety show so well in artificial light.

1101. **Horace J. Wright.** Standard dark bronze-claret; wings dark rich purple-violet. Large and of fine form and a grand addition to the popular dark shades. Pkt., 10c.; oz., 20c.; 2 oz., 35c.; ½ lb., 60c.

1116. **John Ingman.** A seedling of Countess Spencer, which unfortunately has reverted, only now and then a flower being wavy. Rich. carmine-rose with veins of deeper shade. Of largest size and generally four flowers to the stem and stems are long and stiff. A grand variety, lacking only the wavy form to make it perfect.

1184. **Mrs. Collier.** Of rich primrose tint, without a trace of pink. Richer in coloring, of much better substance, larger, with long stiff stem bearing three or four flowers, it surpasses all other primrose varieties of preceding introduction. Pkt., 10c.; oz., 20c.; 2 oz., 35c.; ½ lb., 60c.

1219. **Phenomenal.** A beautiful variety, white, shaded and edged with violet. Similar to Lottie Eckford but larger and better in every way. Introduced as a variety with wavy petals, but has reverted.

1234. **Queen Alexandra.** A grand flower of giant size. Intense scarlet, does not burn in the sun and is by far the best of this color. The plant is of especially robust habit and requires much more room than others.

The Countess Spencer and Unwin types of Sweet Peas, known as Giant Orchid-Flowered are of surpassing beauty and enormous size. They are described and prices quoted in novelty pages in front part of this catalog.

## MIXTURES OF SWEET PEAS

1295. **Our Best Mixed.** Our own mixture of the choicest large-flowered varieties including the best of the standard sorts and all of the preceding varieties noted as of recent introduction and worthy of special mention except the Earliest White. Also all the varieties which are offered in bulk of the new Giant Orchid-Flowered class, including both the Countess Spencer and Unwin types, and the new unnamed Spencer seedlings, all of which are described on novelty pages. The mixture comprises all shades, is of pleasing diversity but is blended in carefully studied proportions, the most desirable and popular shades and colors predominating. Each color or shade is largely represented by the best varieties of such color or shade. The mixture is by far the best we ever offered and we are quite certain that it will not be surpassed by any offered elsewhere, regardless of the price others may ask or of the claims which may be made. Considering the liberal proportions of the new expensive sorts which the mixture contains, our price is very reasonable, and when compared with the price at which some firms have usually offered similar (not better) mixtures, our price appears very low. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ½ lb., 35c.; ½ lb., 65c.; lb., \$1.10 postpaid. By express or at counter, ½ lb., 60c.; lb., \$1.00.

1296. **Choice Mixed.** Also prepared by us; a well-blended mixture, comprising many of the large-flowering varieties of the older type, and Eckford's Large-Flowering Hybrids in great variety. The mixture will compare favorably with those generally offered at a higher price, and is surpassed only by mixtures which, like our Best Mixed, contain the new Orchid-Flowered Varieties. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ½ lb., 20c.; ½ lb., 35c.; lb., 60c., postpaid. By express or at counter, ½ lb., 30c.; lb., 50c.

1297. **Cupid or Dwarf Sweet Peas.** Plants of this class seldom grow over six inches high, but form a dense mass of foliage which so shades the ground that the class thrives better on somewhat light and dry soil than the tall. Though the flowers have such short stems they are of no value for cutting, they are freely produced, if none are allowed to go to seed, and closely approach in size those of the tall sorts. Desirable as a bedding plant. Choicest mixed, including nearly all colors and shades found in the tall sorts. Pkt., 5c.; oz., 10c.; ½ lb., 25c.



## STOCK (GILLIFLOWER)

One of the most popular annuals remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers. Valuable alike as a cut flower and as a bedding plant. Plants from seed sown inside in March or April commence to bloom in July and those from seed sown in the open ground in about 10 weeks, and continue until frost. Careful selection has brought the best strains to such a degree of perfection that it is not unusual for plants grown in rich soil and well cared for to produce from 80 to 90 per cent of double flowers.

## DRESDEN PERPETUAL <sup>Or</sup> BRANCHING (Cut-and-Come-Again)

A perpetual blooming class of branching habit; double, fragrant flowers unsurpassed for cutting. 2 ft.

- |                                   |                      |
|-----------------------------------|----------------------|
| 960. Apple Blossom Pink.          | 961. Dark Blood-Red. |
| 962. Canary Yellow                | 963. Crimson.        |
| 964. Light Blue.                  | 965. Violet.         |
| 966. Snow White (Princess Alice). |                      |

Each of above; pkt. 10c.; one pkt. each of the 7 colors, 50c.; on other discount to apply;  $\frac{1}{4}$  oz., 60c.;  $\frac{1}{2}$  oz., \$1.00.

- |                      |  |
|----------------------|--|
| 967. Choicest Mixed. | $\frac{1}{4}$ oz., 50c.; $\frac{1}{2}$ oz., 90c. .10 |
|----------------------|--|

## LARGE FLOWERED DOUBLE TEN WEEKS

A very choice strain, producing a very large per cent of double flowers. Fine for bedding.  $1\frac{1}{2}$  to 2 ft.

- |                      |  |
|----------------------|--|
| 970. Choicest Mixed. | $\frac{1}{4}$ oz., 50c.; $\frac{1}{2}$ oz., 90c. .10 |
|----------------------|--|

971. Double German Ten Weeks. Mixed colors. Seed grown in the open ground instead of in pots as of the selected strains, therefore cheaper. A good range of colors.  $1\frac{1}{2}$  ft.  $\frac{1}{4}$  oz., 25c.;  $\frac{1}{2}$  oz., 40c. .05

## STOKESIA CYANEA CORNFLOWER ASTER

A beautiful hardy perennial growing about 2 feet high and bearing from August to hard frost beautiful centaurea-like lavender-blue flowers, among the best for cutting. The plant is one of the best for the hardy border in the latitude of Massachusetts and south, and should be more generally cultivated. .10

## SUNFLOWER (Helianthus)

The Sunflower grows well in nearly all soils if fully exposed to the sun, and requires almost no care. The small flowered varieties bloom profusely and the single flowers especially are among the best for cutting. The taller varieties make excellent backgrounds to other plants, are valuable as screens and when planted singly in the right place are very effective. All the varieties following are annuals.

- |   |                             |
|---|-----------------------------|
| 975. Cucumerifolius (Miniature Sunflower). Small, single flower, rich yellow. 4 ft. | $\frac{1}{2}$ oz., 15c. .05 |
| 976. Stella. (Improved Miniature). Similar to the preceding, but larger, 4 ft.      | $\frac{1}{2}$ oz., 20c. .05 |
| 977. Orion. A selection from "Stella" with curled or twisted petals. 4 ft.          | $\frac{1}{2}$ oz., 25c. .10 |

980. New Miniature Varieties. Many new varieties of the miniature type of various shades of yellow and creamy white. All differ from the parent; some are larger some have curiously twisted petals and some have black centres; all are beautiful and excellent for cutting.  $\frac{1}{4}$  oz., 25c. .10

981. Perkeo. A distinct dwarf variety of the miniature and growing only a foot high and blooming from the last of June until hard frost, is especially valuable for bedding. .10

983. Double Miniature. Mixed. While the single flowers are rather more graceful, the double last longer when cut. Flowers of this strain are small, double or semi-double and are borne on stems sufficiently long for cutting. Of various shades of yellow. 4 ft.

984. Double Chrysanthemum-Flowered. Flowers considerably larger than preceding, full and double and excellent for cutting. Orange yellow. 5 ft.  $\frac{1}{2}$  oz., 15c. .05

985. Lenticularius (Thousand-Flowered). A very tall variety, bearing many small flowers.  $\frac{1}{2}$  oz., 15c. .05

986. Russian Mammoth. Very large. 7 to 9 ft. oz., 10c. .05

## SWEET SULTAN. See Centaurea.

## SWEET WILLIAM DIANTHUS BARBATUS

An old favorite now very popular and of the easiest culture. Though often classed as a biennial it sometimes lives for years and is now more generally known as a hardy perennial, but as young plants produce much finer flowers, it is seldom treated as such. In fact, it is preferable to sow seed yearly. It may be sown at any time from early spring to the last of August, the late sown generally making as good plants as the early, and blooming to the full extent the following summer. The last two numbers in the list of sorts following are an exception, blooming freely the first year.  $1\frac{1}{2}$  ft.

1300. Single. Mixed Colors.  $\frac{1}{4}$  oz., 15c.;  $\frac{1}{2}$  oz., 20c.; oz., 30c. .05

1302. Holborn Glory. A new strain of the Auricula-eyed section; both the heads and individual flowers are of the largest size and each of the latter shows a clear white eye; of an exceedingly wide range of colors. A beautiful and very popular type.  $\frac{1}{2}$  oz., 20c. .10

1304. Harlequin. An unique variety, several colors appearing on the same plant, some heads being of one color and others of different colors, but more often even the florets are of different colors. .10

1306. Double. Mixed colors.  $\frac{1}{4}$  oz., 15c.;  $\frac{1}{2}$  oz., 25c.; oz., 40c. .05

1308. Double. Largest Flowered. Choicest mixed. A greatly improved strain.  $\frac{1}{2}$  oz., 25c. .10

1310. Latifolius Atrococcineus (New Annual Everblooming). This new type is the result of a cross of the common annual Pink and the Sweet William. It combines the free and continuous blooming habit of the former with the hardiness of the latter, and though a biennial or perennial, blooms freely the first season from seed. Color an intense scarlet. .10

1311. Latifolius Double (Annual Everblooming). Mixed Colors. In addition to the scarlet this contains purple, rose and violet. .10

## THUNBERGIA

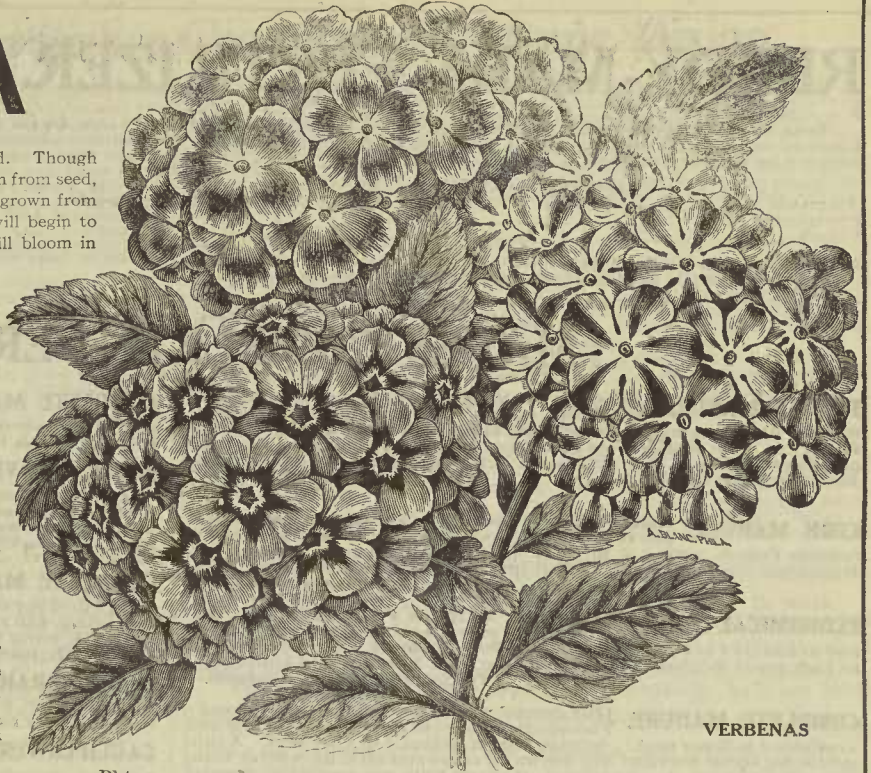
A beautiful annual vine, growing about four feet high, bearing medium-sized pretty flowers, white, buff or orange, with dark eye. Sometimes known as Black-Eyed Susan, though this name is more generally applied to the wild Yellow Ox-Eye Daisy. Largely used in hanging baskets or grown in pots in which a light small trellis is placed, about which it twines. .05



# VERBENA

Favorite plants, thriving in nearly all soils if well enriched. Though not always coming true, Verbenas should be more generally grown from seed, as the plants are more vigorous and the trusses larger than when grown from cuttings. Plants from seed sown in the open ground in May, will begin to bloom in August, and those from seed sown inside in March will bloom in June, and continuously until after the early light frosts. The soil can hardly be made too rich, and a new place each year is desirable.

- |   |             |     |
|---|-------------|-----|
| 1320. <b>Mixed Colors.</b> A good strain, all the colors of the older type.                           | ¼ oz., 25c. | .05 |
| 1321. <b>Mammoth.</b> Mixed colors. Comprises the best large-flowering sorts, of many colors.         | ¼ oz., 40c. | .10 |
| 1322. <b>Scarlet Defiance.</b> Large trusses of deep rich scarlet.                                    |             | .10 |
| 1323. <b>Mammoth White.</b> Both truss and florets of the largest size; fragrant.                     |             | .10 |
| 1324. <b>Italian Striped.</b> Large trusses, and medium-sized flowers, each being distinctly striped. |             | .10 |



VERBENAS

## VIOLA CORNUTA TUFTED PANSIES

Though the flowers are not as large as those of the regular type, this class is very desirable as it blooms much longer, more profusely and is more quickly and easily grown. Seed sown in April will produce blooming plants in June that will be covered with flowers for a long time, and, if planted in cool, moist soil partly shaded, nearly all summer.

- |  |             |     |
|--|-------------|-----|
| 1330. <b>Admiration.</b> Large, dark blue.                       |             | .10 |
| 1331. <b>Lutea Grandiflora.</b> Yellow, large and fine.          |             | .10 |
| 1332. <b>Blue Perfection.</b> Light blue, large, long bloomer.   |             | .10 |
| 1333. <b>White Perfection.</b> Pure white.                       |             | .10 |
| 1335. <b>Mixed Tufted Pansies.</b> Finest mixture of all colors. | ½ oz., 30c. | .10 |

Pkt.  
.10  
.10  
.10  
.10  
.10

and cheap way to quickly fill large areas or any unsightly place and the results will surprise those who never saw a wild flower garden; not only will the bed be attractive, but also will furnish many good flowers for cutting. To insure the greatest possible variety the bed should be quite large. ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

Pkt.  
.05  
.05  
.05  
.05  
.05

## WALLFLOWER

Half-hardy perennial which is a universal favorite in England, but which, though a fine bedding plant, is not largely grown here in the open air. It is however more often grown as a pot plant and is for this purpose well adapted. It is closely related to the stock, and the spikes are somewhat similar. The flowers are very fragrant and usually of various shades of yellow, brown and reddish brown. The Paris Extra Early as noted blooms the first season from seed, and may be treated as an annual. Seed of the others may be sown in the open ground in the spring when warm, and if given about twelve inches of room will make strong stocky plants, which may be either stored in the cold frame and planted in the garden the following April, or potted for the house, where they will bloom freely all winter. It is preferable to sow seed yearly, as young plants produce much finer flowers.

- |   |             |     |
|---|-------------|-----|
| 1340. <b>Single.</b> Mixed colors.  |             | .05 |
| 1341. <b>Double Branching.</b> Mixed colors.  |             | .10 |
| 1342. <b>Paris Extra Early.</b> A new single-flowered strain, blooming throughout the season from spring-sown seed. Colors light brown, brownish red, yellow and creamy white. Mixed. | ½ oz., 20c. | .10 |

.05  
.10  
.10

## ZINNIA (Youth and Old Age)

Because of its duration of bloom, remarkable lasting quality of the flowers, rapid growth, and easy culture, the Zinnia has long been a favorite bedding plant. But few plants equal it for quickly filling a large area at small expense. It thrives in nearly all soils if well enriched, best in deep, rather moist soil. Plants from seed sown inside about April 1 and transplanted once or twice will commence to bloom in June. But so rapid is its growth we have never considered this worth while, as plants from seed sown in the open air early in May will bloom early in July and besides are usually much more vigorous. The Zinnia can be transplanted easily and the plants are often useful for filling places where other plants have failed. For best development the tallest varieties should not stand much closer than 18 inches and none here offered, with the exception of the Haageana, much closer than 12 inches. The latter requires less room.

- |   |  |                        |     |
|---|--|------------------------|-----|
| 1350. <b>Mixed Colors.</b> An improved strain, comprising all colors and many large flowers. 2 ft.  |  | ¼ oz., 15c.; oz., 50c. | .05 |
| 1351. <b>Crimson.</b>   |  |                        |     |
| 1352. <b>White.</b>   |  |                        |     |
| 1353. <b>Scarlet.</b>   |  |                        |     |
| 1354. <b>Yellow.</b>  |  |                        |     |
|   |  | Each, ¼ oz., 20c.      | .05 |
| 1357. <b>Collection of Twelve Colors</b>  |  |                        | .50 |
| 1358. <b>Mammoth. or Giant-Flowered.</b> Mixed colors. Flowers of the largest size and of various colors. 2½ ft.                              |  | ¼ oz., 25c.; oz., 75c. | .10 |
| 1360. <b>Curled and Crested.</b> A pleasing variation from the regular type, the petals being twisted, curled and crested. All colors. 2½ ft. |  | ¼ oz., 25c.            | .10 |
| 1362. <b>Zebra.</b> Striped flowers, the colors varying on each plant.  |  | ¼ oz., 25c.            | .10 |
| 1363. <b>Liliput. (Pompon).</b> Small, double flowers of many colors. Very profuse. 1½ ft.  |  | ¼ oz., 25c.            | .10 |

1364. **Haageana, Fl. Pl. (Mexican Zinnia).** A distinct type bearing small pretty double and semi-double flowers which would hardly be recognized as Zinnias by those unfamiliar with the type. Of dwarf and slender growth, the plant is excellent for bedding, while the deep orange flowers are good for cutting.

.10

## WILD CUCUMBER. See Echinocystis

## WILD FLOWER. Garden Mixture

1368. A mixture of many free-blooming annuals which once sown require little care, and sown in this way almost none. In fact, with the exceptions of thinning out some plants where they grow too thickly and removing an occasional weed, the bed often looks better let alone, is more in keeping with its name and more like some lovely spots where wild plants grow. The possibilities of this mixture are great, the different seasons of blooming insuring a constant succession of flowers from early in the season until hard frost, and in the height of bloom some new flower nearly every day. It affords a very easy



# READY-MADE FERTILIZER. OUR OWN BRAND

ROSS BROS. COMPANY'S POTATO AND VEGETABLE FERTILIZER, for all kinds of vegetables usually grown in a kitchen garden, and especially adapted for potatoes, vegetables and root crops.

**GUARANTEED ANALYSIS**

Ammonia .....	2 to 3 per cent.
Phosphoric Acid .....	8 to 9 "
Potash .....	5 to 6 "

25, 50 and 100 pound bags. PRICE: 25-lb. bags 60c.; 50-lb. bags \$1.00; 100-lb. bags \$1.85; ton lots \$35.00 per ton; two-ton lots \$1.00 per ton discount.

CORN, GRASS AND GRAIN FERTILIZER.—This is a high-grade, complete fertilizer, especially adapted for Field and Ensilage Corn, Hungarian Grass, Millet, and Cabbage Also for seeding down

**GUARANTEED ANALYSIS**

Ammonia .....	3½ to 4½ per cent.
Phosphoric Acid .....	8 to 10 "
Potash .....	8 to 10 "

100-lb. bags only. PRICE: per hundred pounds \$2.00; per ton \$38.00. two-ton lots \$1.00 per ton discount.

## MAPES COMPLETE FERTILIZERS

**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 Murates (or Chlorides), Magnesia, Lime, etc. For Irish and Sweet Potatoes, also Asparagus, Early Vegetables, Tomatoes, Sugar Beets, Sorghum and Sugar Cane. Per 100 lbs. \$2.20; per ton \$42.00.

**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 100 lbs. \$2.10; per ton \$39.00.

**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 Murates (or Chlorides). Per 100 lbs. \$2.00; per ton \$39.00.

**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 100 lbs., \$2.10; per ton, \$40.00.

**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 100 lbs., \$2.25; per ton, \$44.00.

**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. Special for Peas, Beans, Buckwheat and Turnips. Per 100 lbs. \$1.90; per ton, \$38.00.

**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 Murates (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 100 lbs., \$2.25; per ton, \$44.00.

**COMPLETE MANURES** for light soils, or Vegetable Manures 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 a special manure for all kinds of soils for Truck, Early Vegetables, Onions, Celery, Tomatoes; also on light soils for Oats, Hops and Barley. Per 100 lbs., \$2.25; per ton, \$45.00.

**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 100 lbs., \$1.65; per ton, \$32.00.

**CAULIFLOWER AND CABBAGE MANURE.** Ammonia 5 to 6 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 6 per cent.); Soluble Potash, actual, 6 to 8 per cent. Per 100 lbs., \$2.10; per ton, \$41.00.

**AVERAGE SOIL COMPLETE MANURE.** Ammonia, 5 to 6 per cent.; Phosphoric Acid (soluble and available) 7 to 8 per cent.; Soluble Potash, actual, 5 to 6 per cent.; all as high grade Sulphate, and in forms free from Murates (or Chlorides). For Onions, Tomatoes, Vegetables of all kinds. A substitute for Stable Manure. Special for Tobacco on heavier soils. Per 100 lbs., \$2.00; per ton, \$39.00.

## ESSEX HIGH-GRADE FERTILIZERS RAISE GOOD CROPS

THE ESSEX FERTILIZERS have as a basis the Dry Fish and Fish Bone produced by the Russia Cement Co. In the process of manufacture owned by this company, and which no other manufacturer can obtain, these ingredients are manipulated in a way which renders them especially valuable as plant food.

This accounts for the superior availability and crop producing power of the

### ESSEX A1 SUPERPHOSPHATE

**GUARANTEED ANALYSIS**

Ammonia .....	1½ to 1¾ per cent.
Available Phosphoric Acid .....	7 to 8 "
Total Phosphoric Acid .....	9 to 11 "
Actual Potash .....	2 to 2½ "

Price, per 100 lbs., \$1.50; per ton, \$29.00

### ESSEX XXX FISH AND POTASH

**GUARANTEED ANALYSIS**

Nitrogen .....	2.1 to 3 per cent.
Equivalent to Ammonia .....	2½ to 3 "
Soluble Phosphoric Acid .....	4½ to 5½ "
Reverted Phosphoric Acid .....	4½ to 5 "
Insoluble Phosphoric Acid from Bone .....	3 to 3½ "
Actual Potash .....	2½ to 3½ "
Total Phosphoric Acid .....	12 to 14 "

Price, per 100 lbs., \$1.75; per ton, \$33.00

### ESSEX SPECIAL POTATO PHOSPHATE FOR POTATOES AND ROOTS

**GUARANTEED ANALYSIS**

Ammonia .....	3 to 4 per cent.
Total Phosphoric Acid .....	9 to 12 "
Available Phosphoric Acid .....	8 to 10 "
Insoluble Phosphoric Acid .....	1 to 2 "
Potash (K <sub>2</sub> O) .....	6 to 7 "
Equivalent to Sulphate Potash .....	11.10 to 12.95 "

Price, per 100 lbs., \$1.80; per ton, \$35.00

### ESSEX MARKET GARDEN AND POTATO MANURE

**GUARANTEED ANALYSIS**

Nitrogen .....	2 to 2.5 per cent.
Equivalent to Ammonia .....	2.4 to 3 "
Soluble Phosphoric Acid .....	4 to 5 "
Reverted Phosphoric Acid .....	4 to 5 "
Insoluble Phosphoric Acid from Bone .....	2 to 3 "
Total Phosphoric Acid .....	10 to 13 "
Actual Potash .....	5 to 6 "

Price, per 100 lbs., \$1.90; per ton, \$36.00

### ESSEX COMPLETE MANURE FOR CORN, GRAIN AND GRASS

**GUARANTEED ANALYSIS**

Nitrogen .....	3.3 to 4.1 per cent.
Equivalent to Ammonia .....	4 to 5 "
Soluble Phosphoric Acid .....	3 to 3½ "
Reverted Phosphoric Acid .....	4 to 4½ "
Insoluble Phosphoric Acid from Bone .....	2½ to 3 "
Total Phosphoric Acid .....	8½ to 11 "
Actual Potash .....	8½ to 11 "

Price, per 100 lbs., \$2.15; per ton, \$40.00

### ESSEX COMPLETE MANURE FOR POTATOES, ROOTS, AND VEGETABLES

**GUARANTEED ANALYSIS**

Nitrogen .....	3.7 to 4½ per cent.
Equivalent to Ammonia .....	4½ to 5½ "
Soluble Phosphoric Acid .....	3 to 3½ "
Reverted Phosphoric Acid .....	4 to 4½ "
Insoluble Phosphoric Acid .....	2 to 3 "
Total Phosphoric Acid .....	9 to 11 "
Actual Potash from Sulphate .....	8½ to 10 "

Price, per 100 lbs., \$2.20; per ton, \$42.00

WE DO NOT SELL LESS THAN 100 LBS.



# Raw Materials or Fertilizing Chemicals for Home Mixing.

Farmers who understand compounding and mixing chemicals for different crops can no doubt save something in buying chemicals and mixing them themselves rainy days and odd jobs, but it is a dangerous and expensive undertaking for those that do not know how, and to such we advise buying mixed goods of some reliable brand. We have for several years made a specialty of this branch of our trade and have the reputation of furnishing chemicals lower than many of the fertilizer companies who handle large quantities, but recommend mixed goods. The following prices are subject to change without notice. Carload buyers should ask for special prices as many of the following are imported from other countries. We recommend large buyers to place their orders early and have the goods shipped direct from the boat in that way a saving of from \$2.00 to \$3.00 per ton can be made. This applies especially to Nitrate of Soda, Muriate and Sulphate of Potash and Slag Meal. These we import in large quantities and can make shipment on arrival of boat to arrive during the month of March, and while we cannot state at this time just the dates, we can guarantee shipment in season for spring use.

**CHEMICALS ARE STRICTLY CASH GOODS** and cannot be sold on same terms as ready mixed fertilizers.

**NITRATE OF SODA**—95 per cent. purity, 19 per cent. Ammonia. In original bags of about 275 lbs. each. Price f.o.b. Worcester, 100 lbs., \$3.00; ton, \$53.00; f.o.b. Boston for shipment on arrival of boat, \$48.00

**MURIATE OF POTASH**—80 to 85 per cent Muriate, 50 to 55 per cent. actual Potash. In original bags of 200 lbs. each; f.o.b. Worcester, 100 lbs. \$2.50; ton, \$44.00

**HIGH GRADE SULPHATE OF POTASH**—90 to 95 per cent. Sulphate of Potash, 48 to 50 per cent. actual Potash. In original bags. f.o.b. Worcester, 100 lbs., \$2.75; ton, \$54.00; f.o.b. Boston for shipment on arrival of boat, ton, \$52.00

**AGRICULTURAL LIME**—The Agricultural Colleges have been experimenting for some time to ascertain the influence lime has upon the soil when used with different crops, and the results show beyond all doubt that a large majority of our common vegetables need lime. This is especially true in regard to asparagus, beets, spinach, squash, lettuce, and onions. Lime should be applied at the rate of one ton per acre. Price per ton f.o.b. Worcester, \$8.50. Special price in car lots for direct shipments.

**ODORLESS SLAG PHOSPHATE MEAL**—This is a substitute for Bone or Acid Phosphate, and is recommended very highly by Professor Brooks of the Massachusetts Agricultural College and many of our most successful farmers. It is sold on a guarantee of 18 per cent. total phosphoric acid, but it varies somewhat, and should it test over 18 per cent. there is an additional charge of \$0.60 per unit. Price per ton f.o.b. Boston for shipment from boat, \$15.00. Price f.o.b. Worcester, \$18.00 per ton; per 100 lbs., \$1.00.

**DOUBLE SULPHATE OF POTASH AND MAGNESIA**—40 to 50 per cent. Sulphate of Potash, 25 to 28 per cent. actual Potash. In original bags 224 lbs. each. Per 100 lbs., \$1.75; ton, \$34.00; f.o.b. Boston, ton, \$32.00

**KAINIT**—23 to 25 per cent. Sulphate and Muriate of Potash, 12 to 13 per cent. actual Potash. In 200-lb. bags. Per 100 lbs., 90c.; ton, \$16.50; f.o.b. Boston, ton, \$15.00

**SULPHATE OF AMMONIA**—24.75 per cent. Ammonia. In 200-lb. bags. Per 100 lbs., \$4.00; ton, \$75.00

**DISSOLVED BONE BLACK**—15 to 18 per cent. Soluble and Available Phosphoric Acid. In 200-lb. bags. f.o.b. Boston Per 100 lbs., \$1.35; ton, \$25.00

**PLAIN SUPERPHOSPHATE**—14 to 17 per cent. Soluble and Available Phosphoric Acid. In 200-lb. bags. Per 100 lbs., \$1.00; ton, \$17.00

We handle this in large quantities and can make very low prices on early shipments in large lots. We can also furnish lower grades at proportionately low prices; f.o.b. Boston.

**DRIED BLOOD**—12 per cent. Ammonia. In 200-lb. bags. Per 100 lbs., \$2.50; ton, \$48.00

**DRIED BLOOD**—15 per cent. Ammonia. In 200-lb. bags. Per 100 lbs., \$3.00; ton, \$58.00

**FINE GROUND TANKAGE**—6 per cent. Ammonia, 30 per cent. Bone Phosphate. In 200-lb. bags. Per 100 lbs., \$1.65; ton, \$32.00

**FINE GROUND TANKAGE**—9 per cent. Ammonia, 20 per cent. Bone Phosphate. In 200-lb. bags. Per 100 lbs., \$2.10; ton, \$40.00

**FINE GROUND NOVA SCOTIA PLASTER**—White and fine. In 200-lb. bags. Per 200 lbs., \$1.10; ton, \$10.00

**ONONDAGO NEW YORK GRAY PLASTER.** 200-lb bag 90c., ton, \$9.00

**FINE GROUND BONE**—3 to 4 per cent. Ammonia, 22.80 to 25.23 per cent. Phosphoric Acid. In 200-lb. bags. Per 100 lbs., \$1.75; ton, \$28.00

**FINE GROUND BONE**—2 to 3 per cent. Ammonia, 22 per cent. Phosphoric Acid. In 200-lb. bags. Per ton, \$27.00

**DRY GROUND FISH**—9 to 10 per cent. Ammonia, 25 to 30 per cent. Bone Phosphate. Per ton, \$48.00

**CANADA HARDWOOD ASHES**—We handle these in large quantities and can quote carload prices delivered at any freight station in New England. Price f.o.b. Worcester, ton, \$14.00; per 100 lbs., \$1.00. Special price if taken from car when in, \$13.00; 5 tons or over, ton, \$12.00

## Bradley's X. L. Phosphate, Bradley's Potato Fertilizer, Bradley's Complete Fertilizer for all Crops.

Special Pamphlet describing them all mailed free on application.

### Bradley's Complete Manure for Potatoes & Vegetables ANALYSIS.

Nitrogen, equal to Ammonia, 4.00 to 5.00 per cent.  
Available Phosphoric Acid, 8.00 to 11.00 "  
Total Phosphoric Acid, 9.00 to 12.00 "  
Potash (K<sub>2</sub>O), 7.00 to 8.00 "  
Equal to Sulphate Potash, 12.95 to 14.80 "  
Price per 100 lbs., \$2.25; ton, \$42.00.

### BRADLEY'S X. L. PHOSPHATE

#### ANALYSIS.

Nitrogen, equal to Ammonia, 3.00 to 4.00 per cent.  
Available Phosphoric Acid, 9.00 to 11.00 "  
Total Phosphoric Acid, 11.00 to 14.00 "  
Potash (K<sub>2</sub>O), 2.00 to 3.00 "  
Equal to Sulphate Potash, 3.70 to 5.55 "  
Price per 100 lbs., \$1.85; 50 lbs, \$1.00;  
25 lbs., 65c.; ton, \$35.00.

### BRADLEY'S POTATO FERTILIZER ANALYSIS.

Nitrogen, equal to Ammonia, 2.50 to 3.50 per cent.  
Available Phosphoric Acid, 8.00 to 10.00 "  
Total Phosphoric Acid, 9.00 to 12.00 "  
Potash (K<sub>2</sub>O), 3.00 to 4.00 "  
Equal to Sulphate Potash, 5.55 to 7.40 "  
Price per 100 lbs., \$1.75; ton, \$34.00

### BRADLEY'S POTATO MANURE

#### ANALYSIS

Nitrogen, equal to Ammonia, 3.00 to 4.00 per cent.  
Available Phosphoric Acid, 6.00 to 8.00 "  
Total Phosphoric Acid, 8.00 to 11.00 "  
Potash (K<sub>2</sub>O), 5.00 to 6.00 "  
Equal to Sulphate Potash, 9.00 to 11.00 "  
Price per 100 lbs., \$1.85; ton, \$36.00

### BRADLEY'S COMPLETE MANURE

With 10% Potash.

Price per 100 lbs., \$2.15; ton, \$42.00.

### BRADLEY'S COMPLETE MANURE

FOR TOP DRESSING.

Price per 100 lbs., \$2.10; ton, \$40.00.

### BRADLEY'S CORN PHOSPHATE

Price per 100 lbs., \$1.75; ton, \$34.00.

## The Rogers Manufacturing Company's High Grade Bone Fertilizers, ROCKFALL, CONN.

For several years the various brands of Rogers HIGH GRADE Fertilizers have stood among the very best that are selling in New England. Below we give the analysis and prices. If you have not used them, we believe it would be for your interest to try them the coming season. The Top Dressing if judiciously used, will in many cases, double your hay crop. The HIGH GRADE Tobacco and also the Seeding Down Fertilizers are the best that are made. Write us for booklet of information.

### THE ROGERS MFG. CO.'S ALL-ROUND FERTILIZER GUARANTEED ANALYSIS.

PER CENT.

Nitrogen..... 1.65 to 2.65  
Equal to Ammonia..... 2.00 to 3.00  
Available Phosphoric Acid 8.00 to 10.00  
Total Phosphoric Acid... 10.00 to 12.00  
Potash (actual)..... 2.00 to 3.00  
Put up in bags of 100 lbs. each.

The Rogers Mfg. Co.'s All-Round Fertilizer has given universal satisfaction to all who have used it.

Per ton, \$32.00

### THE ROGERS MFG. CO.'S COMPLETE POTATO AND VEGETABLE FERTILIZER GUARANTEED ANALYSIS.

PER CENT.

Nitrogen..... 2.25 to 3.25  
Equal to Ammonia..... 2.75 to 4.00  
Available Phos. Acid... 8.00 to 10.00  
Total Phosphoric Acid... 10.00 to 12.00  
Potash (actual)..... 5.00 to 6.00  
Put up in bags of 100 lbs. each.

Per ton, \$35.00

### THE ROGERS MFG. CO.'S HIGH-GRADE GRASS AND GRAIN FERTILIZER

FOR SEEDING DOWN, ETC.

GUARANTEED ANALYSIS.

PER CENT.

Nitrogen..... 3.00 to 4.00  
Equal to Ammonia..... 3.64 to 4.50  
Total Phosphoric Acid... 16.00 to 17.00  
Potash (actual)..... 12.50 to 14.00  
Put up in bags of 100 lbs. each.

Per ton, \$43.00

### THE ROGERS MFG. CO.'S HIGH-GRADE COMPLETE CORN AND ONION MANURE

GUARANTEED ANALYSIS.

PER CENT.

Nitrogen..... 3.60 to 4.00  
Equal to Ammonia..... 4.30 to 4.75  
Available Phos. Acid... 6.00 to 7.00  
Total Phosphoric Acid... 8.00 to 9.00  
Potash (actual)..... 7.00 to 8.00  
Put up in bags of 100 lbs. each.

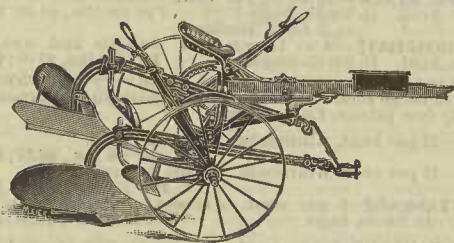
Per ton, \$39.00



# Agricultural Tool Department.

## Syracuse Reversible Sulky Plow.

Steel Moldboards and Landslides.



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 plows level. Several valuable improvements have been made since the plow was first placed on the market. Each plow cuts 11 to 16 in. wide. Weight of plow complete, 556 lbs. We furnish two sets of points and two-horse hitch with each plow.

List, \$45.00. Write for discount.

Three-horse hitch in place of two-horse, \$2.00 extra.

## The Wachusett Swivel Plow.



This is our latest and, we believe, for all kinds of work, the best Swivel Plow on the market. Nearly all other plows on the market at the present time have some defects, and we have been studying for the past few years to overcome them as far as possible, and we think we have accomplished our object in this plow. We can furnish either hardened or steel moldboards.

List price No. 2, \$11.00.

List price No. 3, \$11.00.

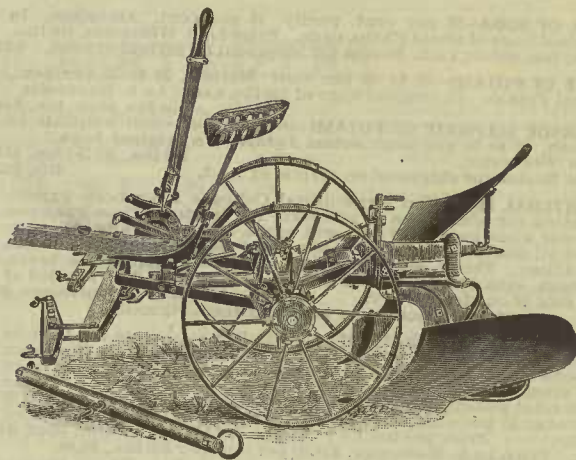
List price No. 12, 12.50.

List price No. 13, 12.50.

No. 2 and 3 Hardened, No. 12 and 13 Steel Moldboards.

Discount for cash, \$1.00.

## The National Reversible Sulky Plow.



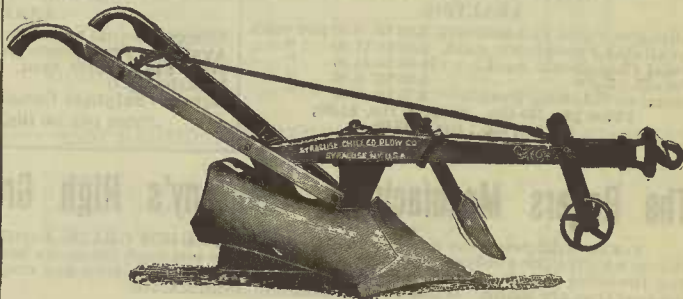
This plow works equally well on sidehill or level land. As with the Syracuse, two plows are used, both fastened to one beam. The plows are thrown in and out of the ground with the foot, making it a very easy plow to operate. A boy 12 years old can handle it easily. There are few farms in New England where a Sulky plow cannot be used to a good advantage. Price includes extra set of points, neck-yoke and evenner.

List price, \$45.00.

Discount for cash, \$2.00

## Diamond A, B and C Plows.

New Style with Steel or Chilled Moldboard.



Excepting the Wachusett this is one of our best swivel plows. 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.

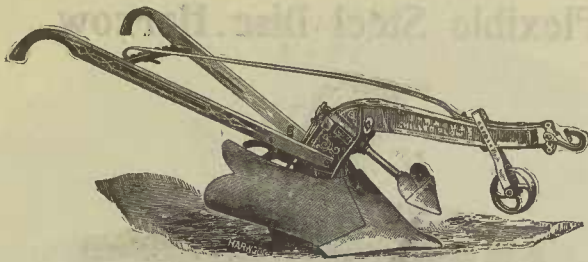
A cuts 5 to 7 in., 11 to 14 in. wide; wt., 119 lbs. List price, \$13.00  
B cuts 4 to 6 in., 8 to 12 in. wide; wt., 114 lbs. List price, 12.00  
C cuts 3 to 5 in., 7 to 8 in. wide; wt., 71 lbs. List price, 8.50

A and B are two-horse; C one-horse. A and B have wheel and cutter. C has wheel. Disc't. for cash on A and B, \$2.00; C, \$1.00. Steel Moldboard, \$1.50 extra.



**Syracuse No. 60 Plow,**

With Steel Cutter or Jointer, Steel or Chilled Moldboard.

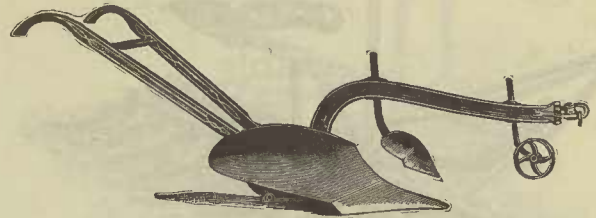


This is our leading Steel Beam swivel plow and will work on level land or sidehill. It has a steel or chilled moldboard, patent foot latch and shifting clevis. Cuts 5 to 8 in. deep, 12 to 15 in wide; weight, 138 lbs.

List Price, Steel Moldboard, . . . . \$16.50  
List Price, Cast Moldboard, . . . . 15.50

Discount for cash, \$2.00.

**Syracuse No. 31 and No. 32 Two-horse  
Landslide Plows.**



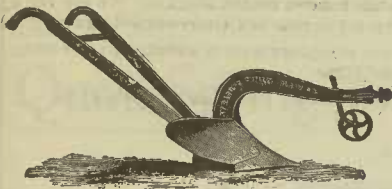
These plows have steel moldboards and wheels, straight cutters or jointers. No. 32 is the same plow used on the double sulky with the addition of a pair of handles, and no better plow was ever made.

No. 32 cuts 5 to 7½ in. deep, 10 to 13 in. wide; weight, 103 lbs.  
List Price, \$15.50.

No. 31 cuts 5 to 8 in. deep, 12 to 15 in. wide; weight, 108 lbs.  
List Price, \$16.00.

Discount for cash from either of the above, \$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, \$7.75.

Discount for cash, 50c.

The Arlington Plow has become a favorite in many sections. They are made with steel shifting lever, clevis, 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  
Arlington  
Swivel  
Plow.**



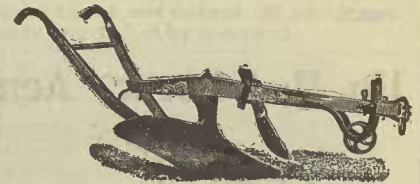
**DESCRIPTION OF SIZES.**

No. 30 turns a furrow 13 to 16 in. wide, 6 to 8 in. deep. Weight, 135 lbs.  
No. 29 turns a furrow 12 to 14 in. wide, 5 to 7 in. deep. Weight, 123 lbs.  
No. 27 turns a furrow 8 to 11 in. wide, 4 to 6 in. deep. Weight, 85 lbs.

No.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.
30	\$13.50	\$15.00	\$15.50
29	12.50	14.00	14.50
27	9.00	10.00	

Discount for cash, \$2.00 on Nos. 30 and 29; \$1.00 on No. 27.

**Doe Cast Iron Plow.**

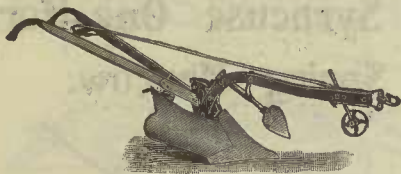


A good general purpose plow, designed for all kinds of garden work. Wood beam, cast moldboard and point.

	Plain Wheel	Cutter
E 0 Medium one-horse,	\$ 5.00	and
E 1 Large one-horse,	6.00	
E 2 Light two-horse,	7.00	
E 3 Medium two horse,	8.00	\$10.75
E 4 Two or three-horse,	10.00	12.75

Discount for cash, 50 cents.

**The Syracuse Plow  
NO. 812.**



This is the latest number in the Syracuse line, and we believe the best one. The leading feature is the shifting handles, which enables the operator to walk directly behind the plow. It has a steel truss beam, automatic jointer or cutter and shifting clevis, adjustable wheel, inclining forward or back.

List price, with chilled moldboard, wheel and cutter or jointer, \$16.00 Discount for cash, \$2.00.

**Oliver Pattern**



**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.

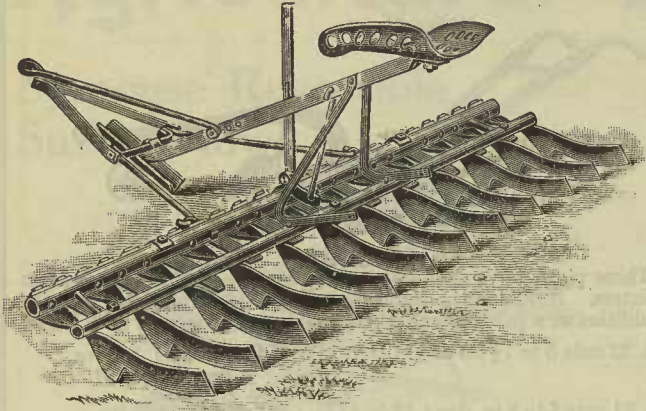
Number.	Description.	List Price.
No. A.	Light one-horse,	\$4.50
No. B.	Medium one-horse,	6.00
No. 10.	Large one-horse,	7.00

Discount for cash, 50 cents.

The above prices are without wheel. If wheel is wanted, add \$1.00 net to above prices.



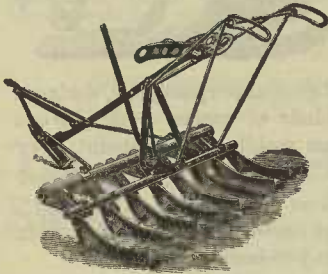
## The "Acme" Pulverizing Harrow



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, stubborn 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.

**PRICE**—No. 23. Regular size, 1 and 2 horse, made in two sections.  
List price, \$18.00. Discount for cash, \$1.00.

## No. H, 1-horse "Acme" Harrow



This style has 8 coulters, crushing shoes and seat; works, 4 ft. 4 in. wide, weight, 90 lbs.

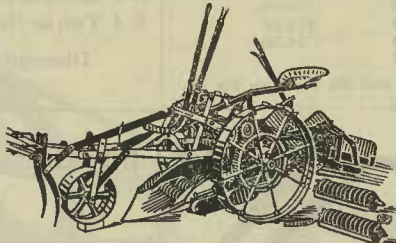
**PRICE**, \$15.00.  
\$1.00 discount for cash with order.

## No. G, One-horse Cultivator

Seven coulters, cuts three feet wide, has handles but no seat.

**PRICE**, \$9.00.  
50c. discount for cash with order.

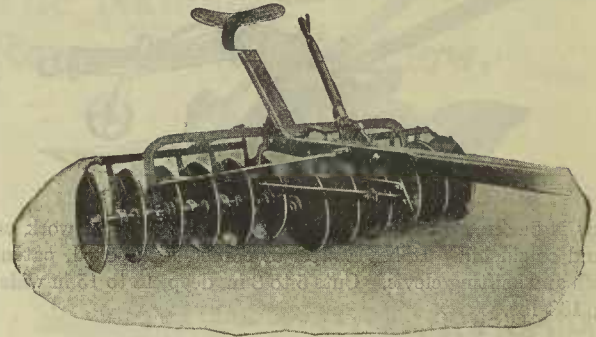
## IRON AGE POTATO DIGGER



It will be noticed that this digger is designed on novel lines, and different from most diggers heretofore offered. One important feature of this machine, aside from its mechanical construction, is that it is a combination low-down and elevator digger. This is something never before attempted. The manufacturers feel safe in stating, that to satisfactorily dig a large majority of the potatoes grown, taking the country as a whole, an elevator digger is not required, with its attendant disadvantages, increased price, excessive cost of repairs, unnecessary handling of potatoes, etc. Therefore, under such circumstances, the IRON AGE DIGGER is used as a low-down digger without the elevator, which, when the conditions require, the elevator attachment can be used, and it may be quickly applied, thus placing in the hands of the operator a perfect elevator digger as well as a low-down digger. This digger can be operated successfully with two horses, because of its easy draft. With the elevator attachment an extra horse should be added; but four horses are never required, as is the case with nearly all elevator diggers.

**Price of the No. 122 Potato Digger, as shown in cut, with 3-horse hitch, \$105.00. Elevator Attachment, \$15.00.**  
Discount for cash, \$5.00.

## The Eldridge Flexible Steel Disc Harrow.

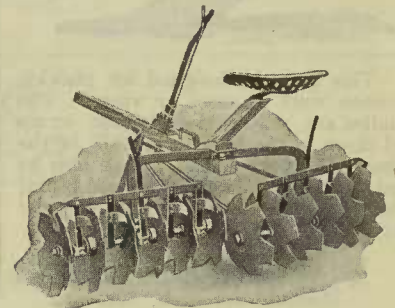


The only Disc Harrow made that has a steel frame made in one piece with no castiron standards to break. It is a perfect flexible disc harrow and can be taken apart in one minute without removing a bolt. It runs on ball-bearings. It can be taken apart for loading or storing by simply removing two cotter pins. One great feature is the closeness with which the discs run together in the center. It is practically an overlap harrow. As one gang runs about six inches behind the other, which allows it to cut within one inch, it leaves no ridge behind it. It has the easiest seat of any harrow made and all things considered, we claim it to be the most perfect and durable harrow on the market. We are the exclusive selling agents and want good agents in all unoccupied territory.

**PRICE LIST**—12-16 in. Steel Discs, complete with whiffletree, yoke and scrapers, \$22.00. Discount for cash, \$1.00.

Same Harrow, with Cut-out Discs, \$23.00. Discount for cash, \$1.00.

## The Eldridge Cut-Out Disc Harrow.



The Best Cut-Out  
Harrow made.

For ordinary sod work we recommend the round disc, as we believe that style of disc will pulverize better than the cut-out; but on new land, where it is impossible to plough, this harrow should be used, as the sharp points will cut the sod where the round one would roll over it.

## The Syracuse One-Horse Spring Harrow.



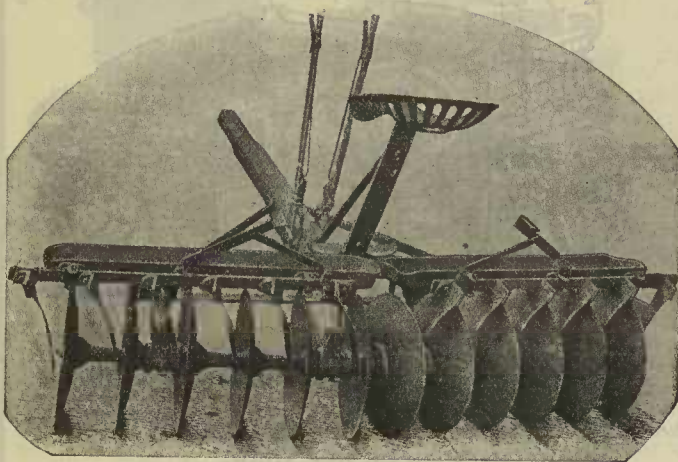
We have sold this harrow for the past four seasons and it has given perfect satisfaction. It has ten spring teeth, oil tempered, and is adapted for all kinds of work.

**LIST PRICE** — \$10.00. Discount for cash, 50c.



# The Reliance Disc Harrow

With Steel Weight Boxes. 12 16-inch Steel Discs.



The Reliance Disc Harrow, as shown above, is made especially for us, and is designed for farmers who want a harrow with weight boxes so that it can be weighted to work on very hard soil. The boxes are also very handy to throw loose stones into while at work harrowing. All parts except the discs are painted bright red.

List Price, \$22.00 Discount for cash, \$1.00.

# Quail Spring Tooth Harrow

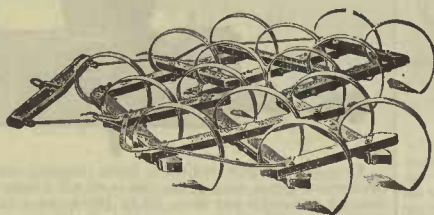


The Reed Harrow is our best spring Harrow. It is made of very best material throughout and has two levers for raising and lowering the teeth.

Price, 15-Tooth, \$17.00. Discount for cash, 50 cents.

With seat \$1.50 extra.

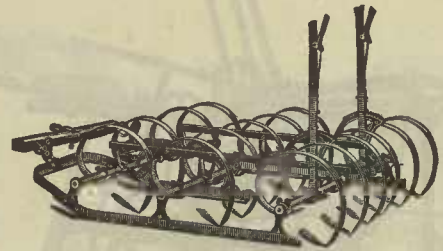
# The Original Perry Spring Harrow



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, 16 teeth, \$11.00. Discount for cash, \$1.00.

# The Monarch Spring Tooth Harrow



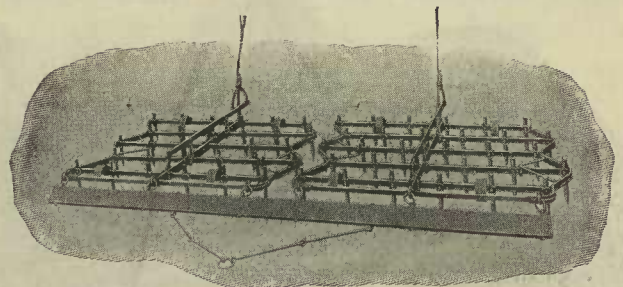
Having some calls for a spring harrow with shoes instead of wheels, we have added to our already large line of harrows this make, and while it has to be hauled to and from the field on the shoes instead of wheels, we believe it will do just as good work, and is as durable as any harrow on our list.

List Price, 15 teeth, \$15.50.

“ “ 17 teeth, \$16.50.

Discount for cash, 50c.

# BIG 5 Jr. 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, \$13.00. Discount for cash, \$1.00.

List price, 50 teeth, \$12.00. Discount for cash, \$1.00.

# Prout's Two-Horse Hoe.

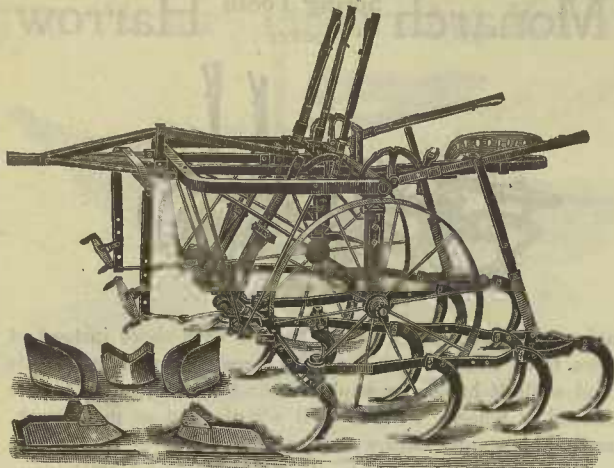
To those unacquainted a brief description of this machine will undoubtedly prove of interest. Each Standard as shown in the cut has two Hoes attached, and in working one set of hoes work on one side of the hill and the other on the opposite side, hoeing a row at a time. The hoes operate same as a hand hoe, moving fresh earth to the plant, and crowding the old dry earth away from the plant, the work being done much more quickly and thoroughly than when hand hoes are used. Unlike the cultivators and horse hoes now in common use, the whole surface for the distance of two feet, more or less, on each side of the plant is cut over, and all the weeds removed. The hoes being made tapering permit of cutting close up to the plant without injury to corn roots which run close to the surface.



List Price, with Wheels, \$25.00; Cash Price \$20.00

“ “ no “ \$23.00; “ “ 18.00

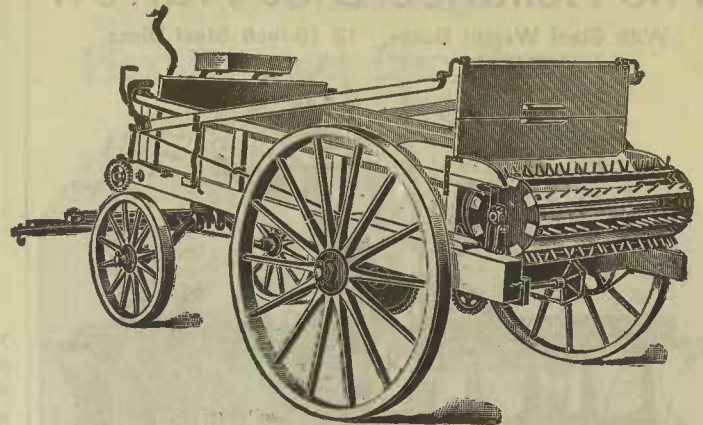


**Planet Jr. No. 72, Riding Cultivator.**

**No. 72 Planet Jr. Two-row Pivot Wheel Cultivator, Plow, Furrower and Ridger.**  
 With Lever Adjustable Gauge, price, \$52.50; weight, packed, 560 lbs.  
**No. 70, Three-lever, list, \$41.50; weight, 465 lbs.**  
 Ten per cent. discount for cash.

**The Twentieth Century Manure Spreader**

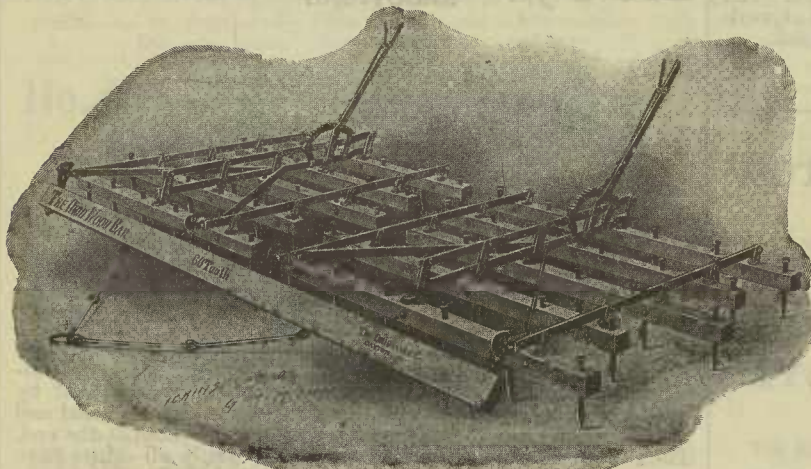
IMPROVED 1906.



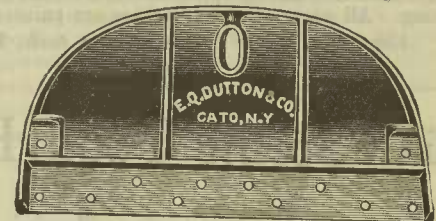
Mr. Kemp's latest invention, and the best Spreader on the market at the present time. The original tight box Spreader, and the only machine that will sow commercial fertilizers, ashes, chemicals, lime, etc.

**AA—30 Bushels, price, \$110.00. BB—40 Bushels, price, \$115.00.**  
**CC—50 Bushels, price, \$120.00.**

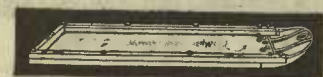
Send for complete catalogue.

**THE WOOD BAR SMOOTHING HARROW.**

With lever for adjusting the teeth. This is the best Wood Bar Harrow made.  
 Price, 60 Tooth, \$11.00. Discount for cash, 50 cents.

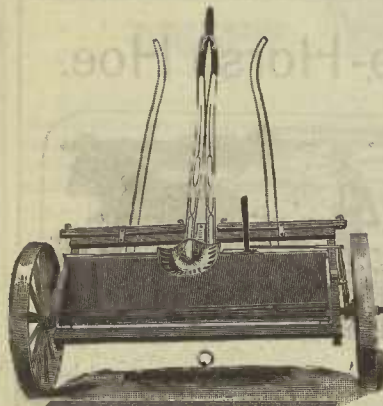
**Cast Iron Boat Head.**

The illustration below shows a simple device whereby a stone boat can be made in a few minutes by using a straight plank with the addition of the Iron Head. Anyone in need of a stone boat will readily see how easy it is done, and as one head will last for years, it is not only cheap but durable.



BOAT COMPLETE.

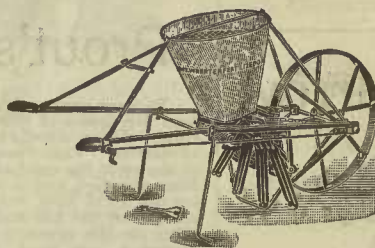
Price of Head Only \$3.50. Boat Complete \$7.50.

**The Stevens Fertilizer Sower.**

The latest improved and best machine for sowing all kinds of artificial fertilizer, such as bone phosphate, cotton seed meal, lime, ashes, etc., either damp or dry, in drills or broadcast.

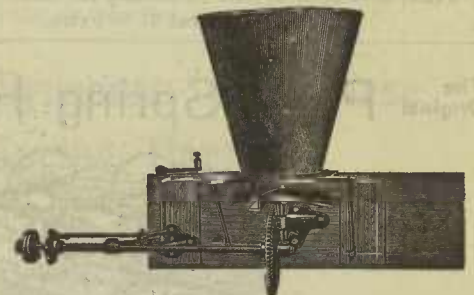
Unequaled for top-dressing grass lands, lawns or large parks.

List price, \$45.00. Discount for cash, \$5.00.

**McWhorter Hand Fertilizer Sower**

This fertilizer sower can be instantly changed so that the stream is divided from one into two or more streams, and thus be applied beside or on two or more rows of plants at the same time. The spouts or channels through which it passes to the ground open and close, so that starting with a width of about 4 inches the spread can be gradually increased to 30 inches. This is especially adapted for top dressing strawberry beds and lawns.

Price, \$10.00. Discount for cash, \$1.00.

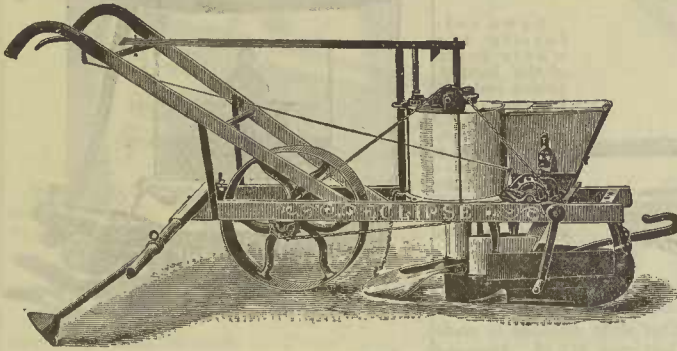
**Farmer's Friend Seed and Fertilizer Sower**

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  $\frac{1}{4}$  to  $1\frac{1}{2}$  inches, which allows the sowing of seeds of any size; the flow can be shut off anywhere, 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, \$10.00. Discount for cash, \$1.00.

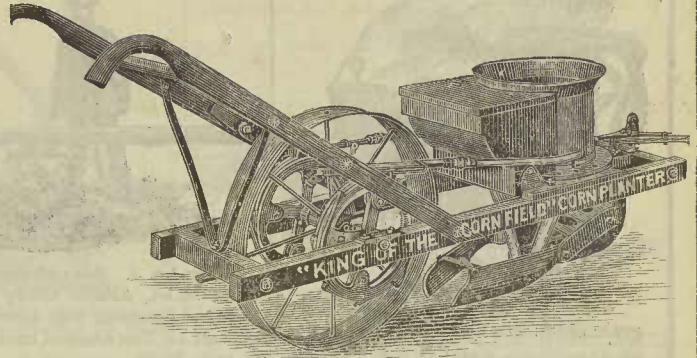


## Eclipse Corn Planter and Fertilizer Distributer.

## "KING OF THE CORNFIELD." Corn, Bean and Pea Planter and Fertilizer Distributer.



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 the 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, \$21.00; discount for cash, \$1.00.



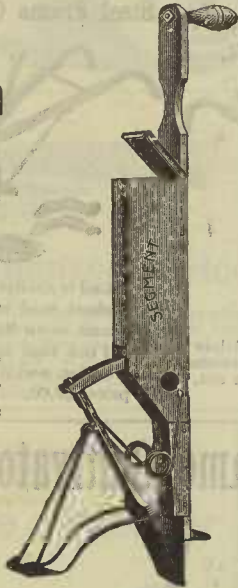
Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or 4½ 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, \$21.00; discount for cash, \$1.00.

## The Segment One-hand Corn and Bean Planter.

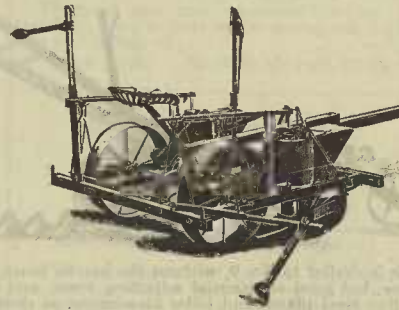
Lightest, most accurate, strongest and most up-to-date planter on the market. All parts are interchangeable.

Price, \$1.75.

Discount for cash, 25 cents.



## Eclipse Two-row Two-horse Corn Planter.



The most complete, accurate, durable and easily handled double row corn planter in the market. All the good points found in the well-known and popular "ECLIPSE SINGLE ROW PLANTER" are retained in this machine. Rows 36, 38, 40 and 42 inches apart. The new Marker Device, used for two seasons with perfect success on the single row Eclipse, is used on this. One move of the lever throws the machine out of gear, and at the same time raises the planter and covers ready for turning the team at end of rows.

Price, \$50.00. Discount for cash, \$2.50.

## Automatic Hand Corn Planter.

Very handy for re-planting, and for small gardens.

Price, \$2.00.

Discount for cash, 25 cents.



## ASPINWALL POTATO PLANTER No. 3.

List price with fertilizer attachment and disc covers, \$75.00. Discount for cash, \$5.00.

THIS MACHINE PLANTS A GREATER RANGE OF SEED, both as to size and shape, than ever before; and handles it with the least possible friction or wear. To regulate the distance of planting—simply a change of gear wheels, which can be made in less time than it would take to replace one picker. In lieu of the cumbersome wooden structure, a CANVAS HOPPER has been substituted, which overcomes all tendency to clog or bridge with either whole or cut seed. BOTH THE FEED AND COVERER TENSION ARE REGULATED FROM THE SEAT, NO removal of bolts—simply turning a thumb screw does the work. Withal, it is the lightest in construction and draft, also the most beautiful in design, of any planter ever made.

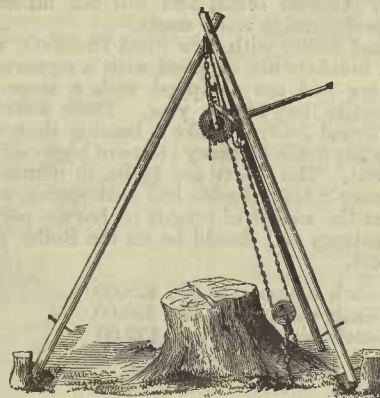


## STUMP PULLER AND ROCK LIFTER

Simplest and most efficient device on market for pulling stumps and lifting stones and handling heavy bodies.

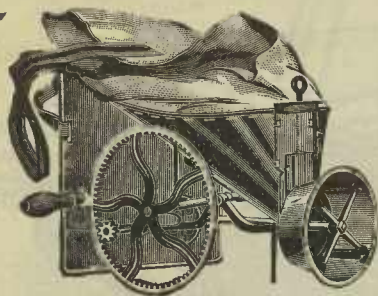
Price complete with tripod \$28.00.

Without tripod \$25.00.





## 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 from each side of the operator); lighter seeds, of course, will not be thrown so far.

Price, \$3.50.

## THOMPSON'S SEEDER.

For Broadcasting Grass. for sowing Red Top, Clover, Timothy, and all Mixed Seeds. Light, strong and simple.



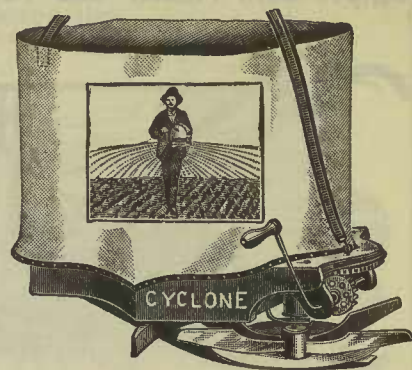
Sows uniformly the whole length of the hopper, twelve feet. It has no cam or cog gearing to get out of order. It has a positive motion, and works as freely and easily when sowing as when empty.

SEEDER No. 5. Sows all varieties of Clover, Timothy, Hungarian, Millet, Alfalfa, Chaffy Seeds, like Red Top, Orchard Grass and Kentucky 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 Cyclone Broadcast Seeder.



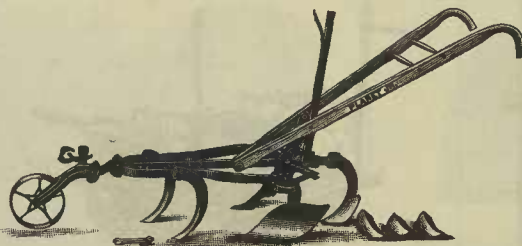
This is the cheapest and best of the hand seed sowers on the market, and every one sowing one acre or more of grass seed or grain cannot afford to be without it. Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. The machine is first-class in every respect. We guarantee the seeder to give satisfaction, or money refunded. Net price, \$1.50.

## Steel Frame Cultivator, No. 123.



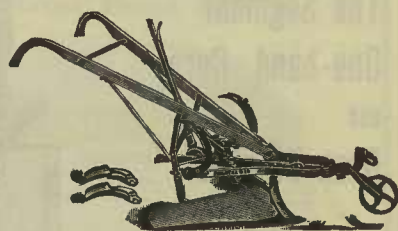
This series of Cultivators meets the demand for a good cultivator at a low price. The points and standards are of the same stock as used in No. 101, but the frame is somewhat shorter and a trifle lighter. The standards are adjustable for pitch. List price, \$6.00. Discount for cash, 50 cents.

## PLANET JR. HORSE HOE, No. 5. HORSE HOE AND CULTIVATOR.



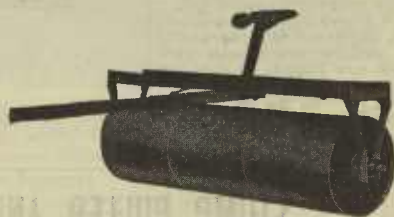
This is similar to No. 9, without the handle brace, and has a cheaper, but good substantial adjusting lever, and is furnished with five steel plates and hiller attachment as shown in cut. List price, \$7.35. Discount for cash, 50c.

## Steel Frame Cultivator, No. 124.



This tool is similar to the No. 123, 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, \$7.00. Discount for cash, 50 cents.

## Dunham All Steel Land Roller.



With solid steel head. Cannot break and will not fill with gravel and stones. The most durable roller made.

The Dunham Steel Land Roller with New Steel Brackets, will not break or bend. These brackets are supplied with a removable Babbit Metal journal boxing and are equipped with a large oil chamber that requires attention but once a year. These features together with the Lathe Turned Journal make a bearing that will wear for years. The drums are made of heavy plates of high carbon steel, guaranteed not to dent. The shafts are 1 3/4 in. in diameter. Heavy angle steel frames, easy riding, double leaf seat spring, seat so adjusted as to counteract the weight of tongue on horses' necks. All of these are valuable features and should be on the Roller you buy, for you want the best.

No. 6—6 foot, 24-inch diameter, List, \$28.00.

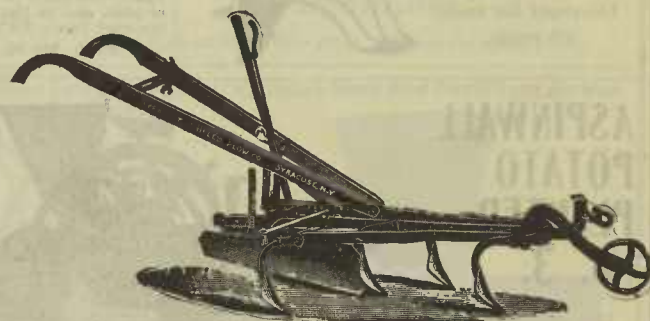
No. 7—7 foot, 24-inch diameter, List, \$30.00.

No. 8—8 foot, 24-inch diameter, List, \$32.00.

Discount for Cash, \$2.00.

All Rollers have 3 sections.

## Steel Frame Cultivator, No. 101.

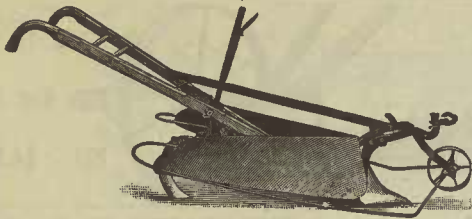


This Cultivator is simple, strong and easy to operate. Has no "Dead Centers," and no Loose Joints. The frame and standards of these cultivators are very strong; made of solid steel; the side bars are so curved as to make the teeth run parallel, and also to make all standards interchangeable.

List Price, \$8.00. Discount for cash, 50 cents.



### The Planet Jr. Celery Hiller

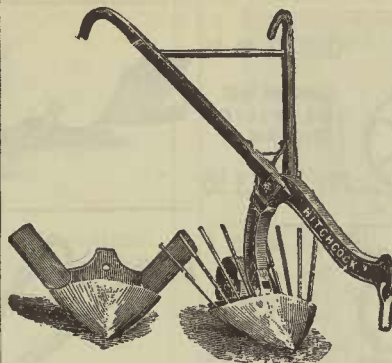


This tool is used largely by celery growers for banking celery in the fall. We can furnish both single or double. The single is used mostly, and will do the work of five men.

List price, double, **\$16.00**  
List price, single, **12.00**

Discount for cash, 50 cents.

### THE HITCHCOCK POTATO DIGGER And Shovel Plow Combined



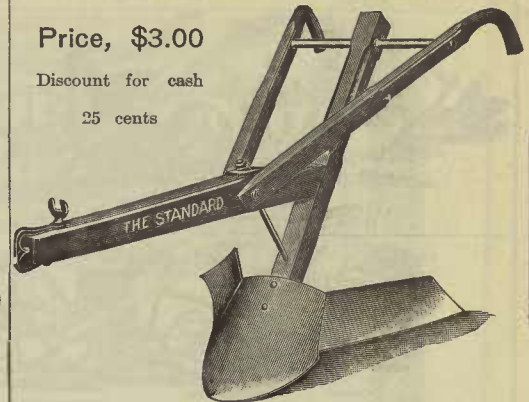
For digging and hilling potatoes.  
Price complete, \$10.50. Without hiller, \$8.00.

### SHOVEL PLOW

Price, \$3.00

Discount for cash

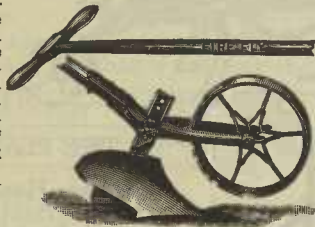
25 cents



### The "Fire-Fly" Plow

This tool is invaluable for those who have small gardens. The moldboard 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.



### New Model Horse Hoe



Cheapest and best two-horse hoe on the market. Can be used for furrowing out, covering and hilling up.

Price \$8.00. Discount for cash, \$1.00.

### The Sheldon Wheel Hoe

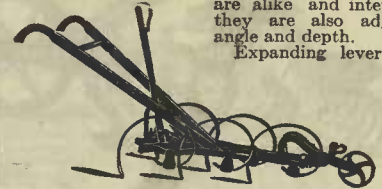


A low-priced, but very efficient little implement for flat or scuffle hoeing. Price, \$1.50.

### SPRING TOOTH CULTIVATOR

This Cultivator is especially adapted for use in stony ground. The teeth are fine oil-tempered springs; and are alike and interchangeable; they are also adjustable for angle and depth.

Expanding lever, five spring teeth and Wheel.



List price \$6.50.

Discount for cash, 50 cents.



### Sunnyside Hoe

The above cut shows the Sunnyside or Strawberry Hoe, invented several years ago by one of our largest strawberry growers and since then used by several of the leading fruit growers in the state. It is especially adapted for small fruits and close cultivation.

Price, each, 40 cents.

### Arlington Slide Hoe



Used by nearly all of the large market gardeners. Where there are no stones it will do excellent work and do it fast. Made in three sizes. 8 in., \$1.50; 9 in., \$1.65; 10 in., \$1.75.

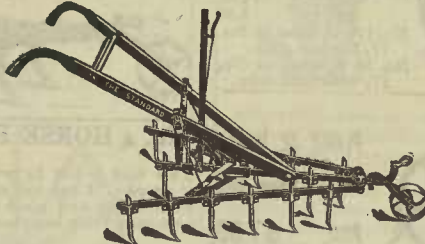
### Keystone Adjustable Weeder



List price, \$10.00. Discount for cash, \$1.00

Flat Tooth \$1.00 extra.

### Spike Tooth Cultivator and Harrow



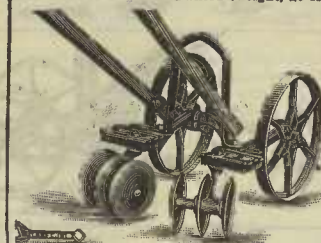
Designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level.

List price, \$6.00. Discount for cash, 50 cents.

### No. 18½ Planet Jr. Single Wheel Disc Hoe.

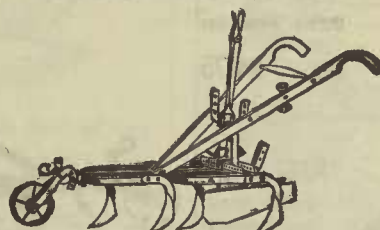
PRICE AS IN CUT, \$4.75.

Packed Weight, 23 lbs.



This simple and comprehensive tool is identical with No. 18 Single Wheel Hoe, except that two sets of three Discs each take the place of the pair of Hoes and it has a leaf lifter. The Discs are adjustable for depth. These Discs can be attached to any No. 18 Hoe.

### Centennial Horse Hoe



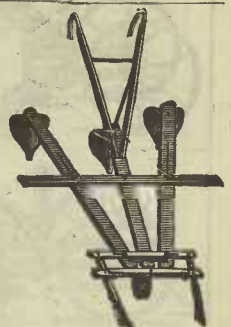
This is the most durable Horse Hoe and Cultivator on the market. The expanding lever always works easy, as it has no dead centers.  
Price, \$8.00. Discount for cash, 50 cents.

### THE GOSLEE IMPROVED MARKER

Adjustable Tooth Spreads 2 to 4 Feet


This machine is designed to mark out rows of any width, and in doing so it makes a furrow suitable for planting.

Price, \$7.50. Discount for cash, 50 cts.

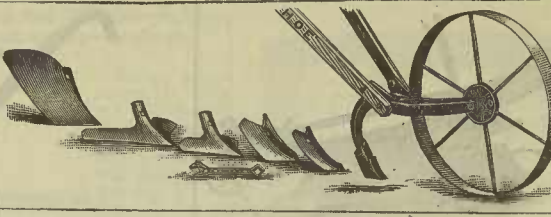




# THE PLANET JR. FAMILY.



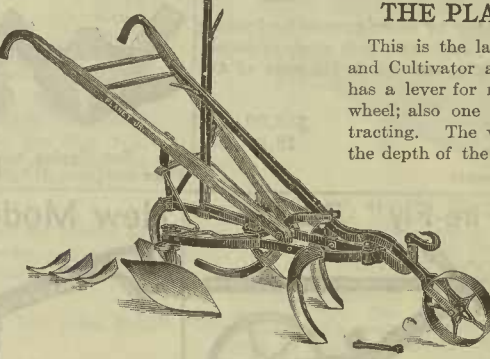
**PLANET JR. No. 25**  
 Combined Drill and Double Wheel Hoe  
 Price, - \$13.50



**No. 19**  
 Single Wheel Hoe  
 Price, - \$4.00



**PLANET JR. No. 4**  
 Combined Drill and Single Wheel Hoe  
 Price, - \$11.00  
 Plain, 9.00




**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, \$9.00.  
 Discount for cash, 50c.



**PLANET JR. No. 3**  
 Hill Dropping Drill  
 Sows in Drills or Hills  
 Price, \$10.50



**THE PLANET JR. No. 7**  
 Horse Hoe and Cultivator  
 This Horse Hoe is No. 8, without depth regulator, and a slightly different lever wheel  
 List price, \$8.50.  
 Discount for cash, 50c.




**PLANET JR. No. 16**  
 Single Wheel Hoe with Attachments  
 Price, \$5.85




**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, \$7.75.  
 Discount for cash, 50c.



**PLANET JR. No. 15**  
 Single Wheel Hoe Complete  
 Price, \$7.25




**PLANET JR. No. 17**  
 Single Wheel Hoe  
 Price, No. 17, \$5.00  
 No. 17½, 4.50  
 No. 18, 3.50  
 No. 17½ is same as No. 17, less the plow.  
 No. 18 is same as No. 17, with hoes only.



**No. 4 HORSE HOE 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.  
 List price, \$6.75.  
 Discount for cash, 50c.



**PLANET JR. No. 12**  
 Double Wheel Hoe  
 Price, - \$7.00



**PLANET JR. No. 13**  
 Double Wheel Hoe  
 Price, - \$4.75



**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.  
 List price, with pulverizer as shown, \$9.00. Less pulverizer, \$7.40. With plain wheel and no pulverizer, \$6.90. Discount for cash, 50c.



**PLANET JR. No. 11**  
 Double Wheel Hoe Complete  
 Price, \$9.00



## THE IDEAL DEERING MOWER.



This machine runs on ball and roller bearings and is without doubt the lightest and stillest running machine ever made. We will gladly mail catalogue describing it fully.

### PRICES.

- 4 Foot for one horse, \$40.00
- 4 1-2 Foot for two horses, \$43.00
- 5 Foot for two horses, \$43.00
- 6 Foot for two horses, \$48.00

We are Transfer Agents for ADRIANCE, PLATT CO., and have in stock a full line of

## MACHINES AND EXTRAS.

Send us your orders for Repairs

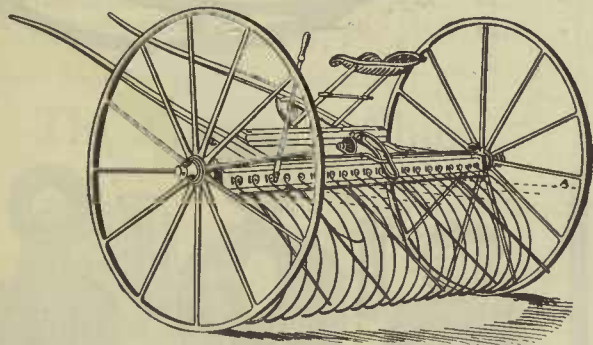
## DEERING IDEAL HAY RAKE--Steel Frame



This rake is made to supply the demand for an all steel rake. We believe this is the best of the entire lot. It is a horse dump rake. Strength and simplicity are two features in its construction, and we recommend it to anyone in want of a steel rake.

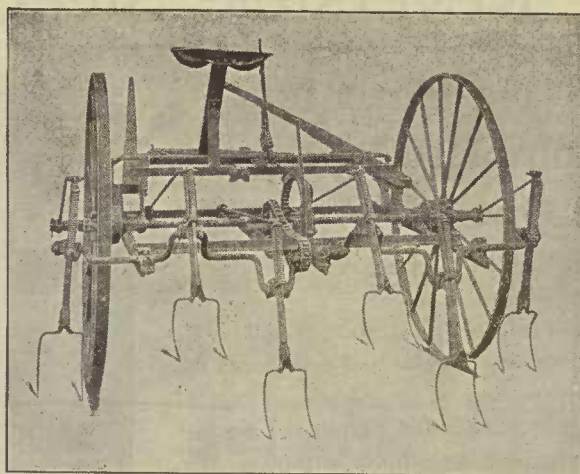
Price, \$22.00. Discount for cash, \$1.00.

## NEW YORK CHAMPION RAKE.



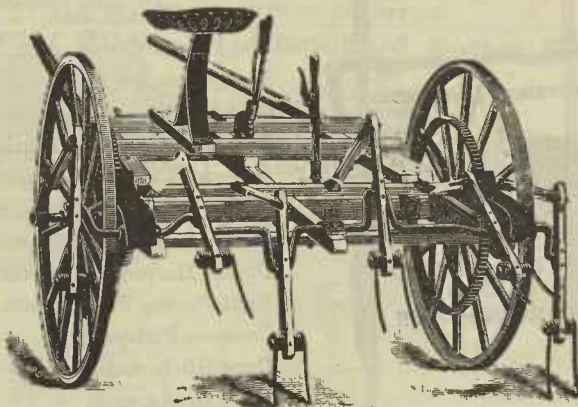
It is impossible to find all the good points in any one tool, but this rake will properly rake green hay and aftermath better than any other rake. It has the sled runner tooth, is a self-dumping rake, and is easily operated by any one capable of driving a horse. There are several imitations on the market. Be sure and get the GENUINE. List price, \$20.00. Discount for cash, \$1.00.

## THE MONARCH STEEL HAY TEDDER WITH CENTER CHAIN DRIVE



The Monarch Steel Hay Tedder shown above is the latest thing out for a Chain Driven Tedder. It is made of first-class steel by skilled workmen. The Wheels are extra heavy channel tire with staggered steel spokes. The Frame is made of continuous steel angle bars in one solid piece, no spliced corners, no bolts, or rivets to get loose. It has great strength at all points. The Crank Shaft is made of the very best tool steel with turned bearings, and broad journal boxes. The Fork Arms are made of boiler tube, and relief coil crucible steel spring is provided for each tooth. It has a double seat support and separate levers for throwing in and out of gear and for raising and lowering the teeth, both within easy reach of the driver. Has six forks, combined pole and shafts to be used with one or two horses. Price, \$32.00. Discount for cash, \$2.00.

## THE BAY STATE WOOD FRAME HAY TEDDER.



This is the neatest and most substantially built wood frame hay tedder on the market. It has a solid steel axle and on stony ground we recommend this to any other tedder as we believe a wood frame and wood wheels, if properly housed will last longer than steel. The fork arms are made of the best hard wood. It has two levers, one throwing in and out of gear and one for raising and lowering the forks for uneven ground. It has combined pole and shafts so it can be used for either one or two horses. It is the best wood frame hay tedder on the market, made in one size only, six forks. List price \$30.00 discount for cash \$2.00.

## 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.

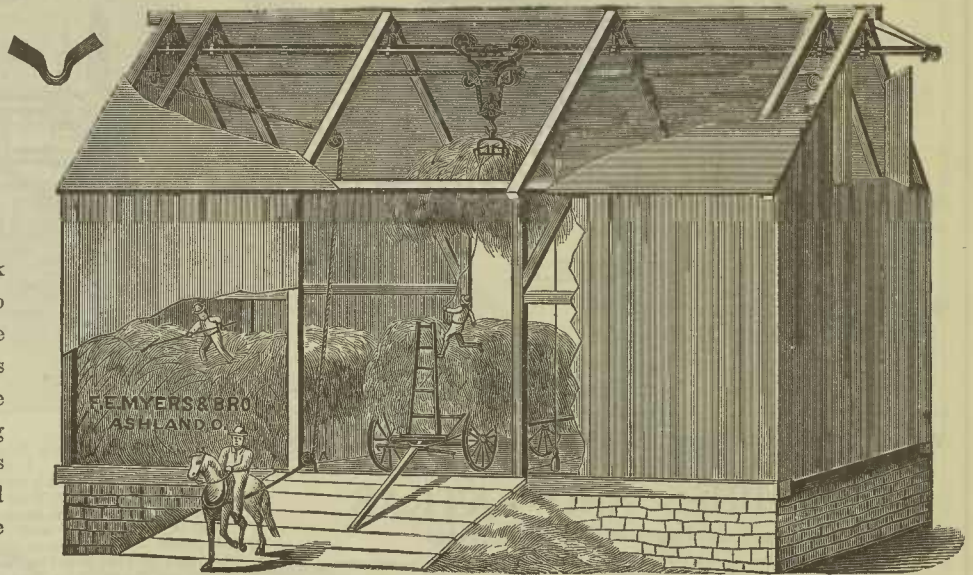
List price, \$21.00.  
Discount for cash, \$1.00.



# Reversible Steel Track Hay Carriers.

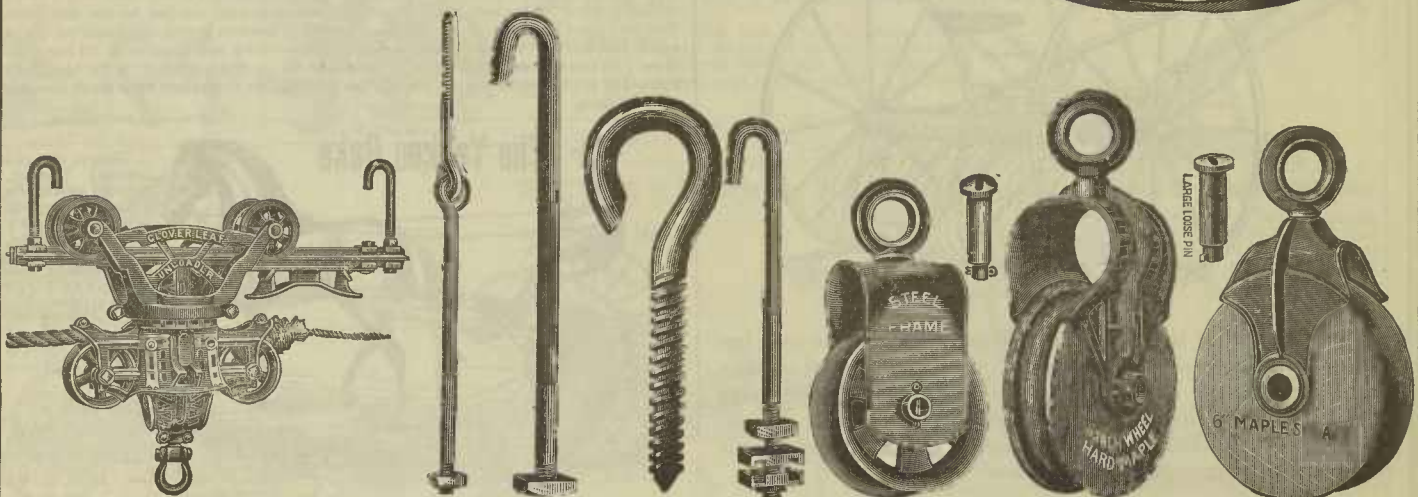
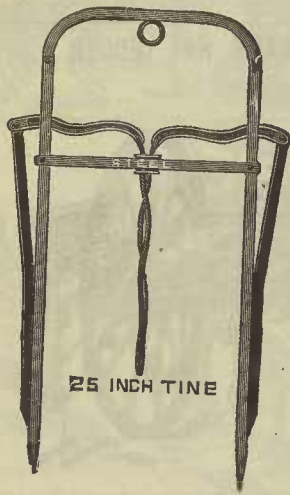
No Barn Is Complete Without One of These Rigs.

Our 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,	- - - -	5.00
Wood Track Carrier, each,	- - - -	5.00
Steel Track, per foot,	- - - -	.14
Steel Hanger Hooks, per dozen,	- - - -	1.00
Malleable Iron Rafter Brackets, per dozen,	- - - -	.50
Jointed Hanger Hooks, per dozen,	- - - -	1.25
Four Tine Grapple Forks, each,	- - - -	4.50
Six Tine Grapple Forks, each,	- - - -	5.50
Double Harpoon Forks, each,	- - - -	1.25
Knot Passing Pulleys, each,	- - - -	.25
Common Pulleys, each,	- - - -	.20
Rope Hitch, each,	- - - -	.25
Floor Hooks, each,	- - - -	.10
Steel Grapple, each,	- - - -	.50





# The De Laval "Baby" Cream Separator and other Dairy Goods.

Used by all the Leading Agricultural Colleges and Experiment Stations.

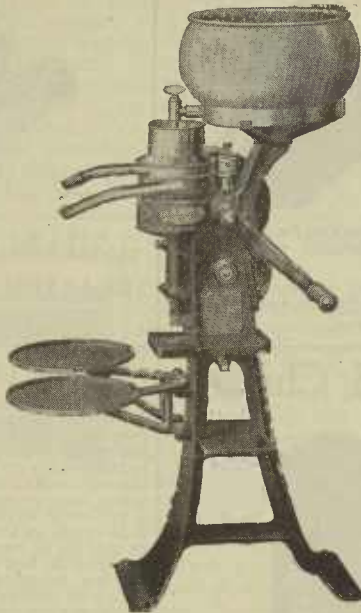
and mounted upon a frame provided with a suitable gearing to acquire a high speed with a minimum expenditure of operating power. The whole milk is fed into this bowl, the separation effected within it, and the cream and skim-milk are separately discharged from it, the discharge following within half a minute after the in-flow, while the machine may be used for a few minutes or as many hours—at a time—as may be necessary, according to the amount of work to be done.

## STYLES AND SIZES OF THE IMPROVED DE LAVAL CREAM SEPERATORS.

Improved No. 4 Actual capacity 135 lbs. per hour	\$ 40.00
Improved No. 6 Actual capacity 225 lbs. per hour	50.00
Improved No. 10 Actual capacity 335 lbs. per hour	65.00
Improved No. 12 Actual capacity 450 lbs. per hour	75.00
Improved No. 15 Actual capacity 675 lbs. per hour	110.00
Improved No. 17 Actual capacity 900 lbs. per hour	100.00
Improved No. 19 Steam Turbine Actual capacity 675 lbs. per hour	125.00
Improved No. 20 Steam Turbine Actual capacity 900 lbs. per hour	125.00

5% discount for cash with order.

Send for complete catalogue

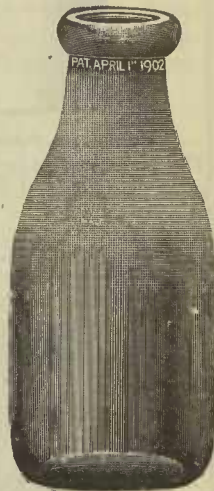


## The R. B. Milk Bottle.

This bottle is a great improvement over any other style of bottle made, from the fact that it has no corner for the dirt to stick in. The bottom inside being made round, it cleans very easily. We have them made expressly for us, and every bottle is extra quality glass, and stamped on the side "This bottle to be washed and returned."

### PRICES.

Two Quarts, per doz	\$1.50;	per gross,	\$16.00
One " "	.70;	" "	7.50
Pint, " "	.60;	" "	6.00
One-half Pint " "	.50;	" "	5.00



## Wire Bottle Carrier. Flat Wire Bottle Carrier.



6 1-qt. Bottle Carrier, 75c.  
4 1-qt., 2 pt. Bottle Carrier, 75c.  
4 1-qt. Bottle Carrier, 60c.



NEW STYLE AN IMPROVEMENT.  
6 1-qt. Bottle Carrier, 75c.

## The Health Milk Bottle Caps.

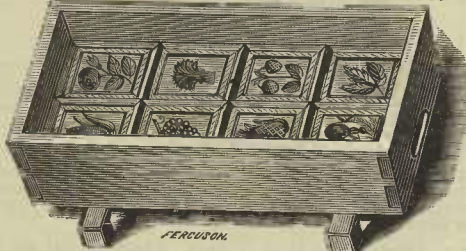


All caps, other than the Health Cap must be removed with a fork, knife or some sharp instrument.

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 bottles 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 is needed to remove the Health Cap. Price per 1000, 40 cents; 5000, \$1.75. 16,000, 25 cents. Common Round Caps, 1000, 25 cts.; 5000, \$1.15

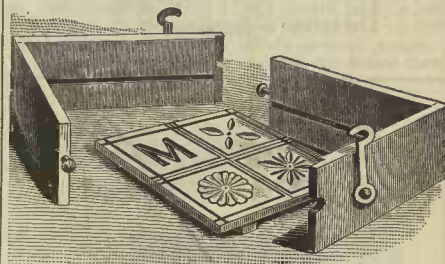
## Combination Butter Print.



The cut shown represents No. 6 Print.

No. of Pr't.	No. of Cakes at each impression.	Capacity in Pounds.	Capacity in Ounces.	Dimensions of Mould in inches.	Dimensions of each Cake.	Price.
1	3	1 1/2	8	10 x 3 1/2	3 1/2 x 3 1/2	\$3.50
2	4	2	8	11 x 3 3/4	3 1/2 x 2 1/2	3.75
3	4	2	8	12 x 3 3/4	3 x 3	3.75
4	4	1	4	4 1/2 x 5	2 1/2 x 2 1/2	3.50
5	4	1	4	10 x 2 1/2	2 1/2 x 2 1/2	3.75
6	4	1	4	10 x 2 1/2	2 1/2 x 2 1/2	4.50
7	6	1 1/2	4	10 x 3 1/2	3 1/2 x 1 1/2	4.25

## Blanchard Butter Mould.



Same size as No. 4 Combination. Initial engraved 25 cents extra.

### PRICES:

One-half lb.	\$ .80
One lb.	1.00
Two lbs.	1.25

## 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.

No.	Capacity	List for Price Cash	Disc't
No. 1	ten gallons,	\$10.00	\$1.00
No. 2	fifteen gallons,	11.00	1.00
No. 3	twenty gallons,	12.00	1.25
No. 4	twenty-five gal's.,	16.00	1.50
No. 5	thirty-five gal's.,	18.00	1.75
No. 5 1/2	forty-five gal's.,	22.00	2.00
No. 6	sixty gallons,	26.00	2.50

DAIRY SCALE. Graduated in 1 oz., weighs 30 lbs.



Made especially for dairymen. Has adjustment for taking out weight of pail. Price, \$3.50.

## The Hero Barrel Churn

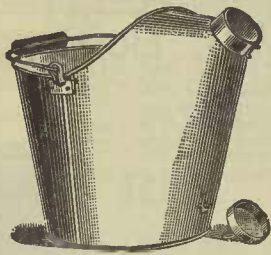
	List Price.	Net Price.
No.0, 6 gallons,	\$8.00	\$4.00
No.1, 10 gallons,	8.50	4.50
No.2, 15 gallons,	9.00	5.00
No.3, 20 gallons,	10.00	5.50
No.4, 25 gallons,	12.00	6.00
No.5, 35 gallons,	16.00	8.00
No.6, 45 gallons,	23.00	11.50
No.7, 60 gallons,	26.00	13.00

This Churn is made of the best oak timber, has patent adjusting fastener for cover.





## 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.

## 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.

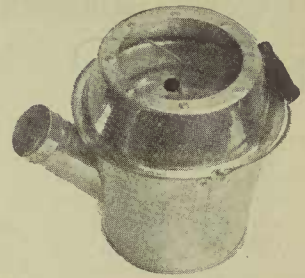


### PRICES.

10 Quarts, each, 60c. 12 Quarts, each, 70c.  
14 Quarts, each, 80c.

## THE SANITARY Revolving Strainer Pail

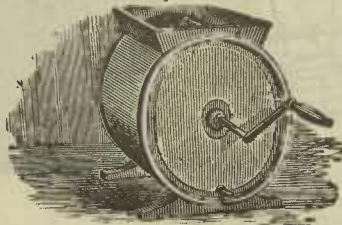
reduces the number of bacteria over 60 per cent.



This new Pail has a Clean Strainer for each Cow. THE LATEST AND BEST THING OUT.

PRICE, \$3.00

## Varnished Cylinder Churns.

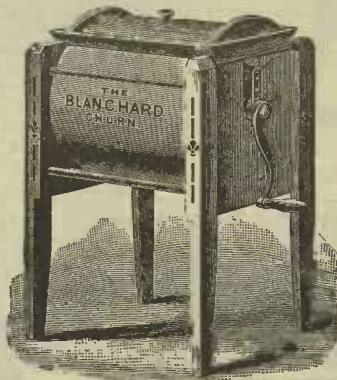


Designed for those having a small dairy.

No. 1. List price, \$2.50 Discount for cash, \$ .50  
No. 2. List price, 3.00 Discount for cash, .50  
No. 3. List price, 3.50 Discount for cash, .50  
No. 4. List price, 4.00 Discount for cash, 1.00

Cedar, same as above, 25 cents extra. They are well worth the difference.

## The Blanchard Churn.

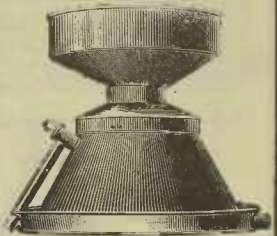


Has retained its reputation for over twenty years as being the best revolving dash churn made for ease of operation and superior butter-making qualities. Factory sizes quoted on application.

No. 3. Churns 2 gal. \$6.00 No. 6. Churns 12 gal. \$10.00  
No. 4. Churns 4 gal. 7.00 No. 7. Churns 16 gal. 12.00  
No. 5. Churns 8 gal. 8.00

## The Ideal Milk Cooler.

The Ideal 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. List price, \$6.00  
No. 3. " " 25 to 40 cows. " " 7.00

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 1/2 oz. to 240 pounds. Single Beam, \$4.00; Double Beam, \$4.50.

## Fairbanks' Dairy Scales.



Indispensable for the dairy; has porcelain top; weighs from 1/4 oz. to 25 pounds.

Net Price, \$9.00.

## Butter Boxes.



and 75 cts. for the ten pound.

The Dumas 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 cts. per dozen for five pound,

## 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, \$2.10; 24 lb., each, \$2.35; 32 lb., each, \$2.60; 40 lb., each, \$2.85 Fitted with Ice Box, 75 cents extra.

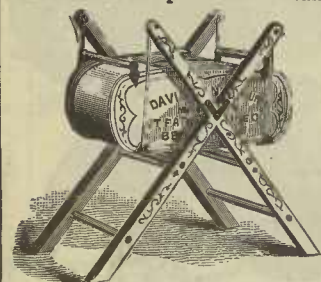
## THE DAVIS SWING CHURN.

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.

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



## Waters Butter Worker.

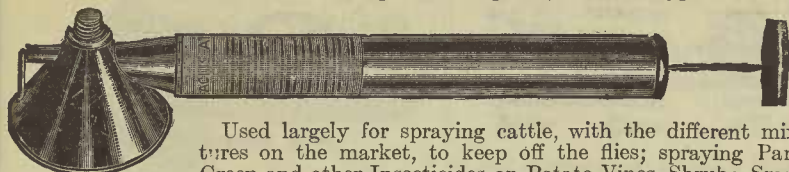
The purpose of working butter is to free it from buttermilk and distribute the salt evenly through it. The Waters differs from most butter workers principally in the point that the tray, with the butter, moves under a stationary roller instead of the roller travelling over the butter in the tray.

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



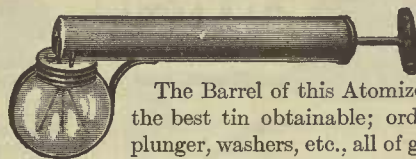


## THE ACME ATOMIZER.



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, 50c.; Tin with Brass Cup, 75c.

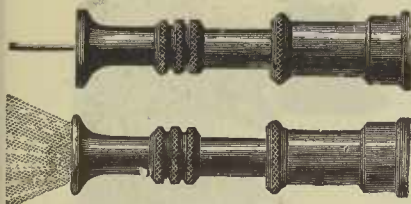
## The Tennent Glass Pot Atomizer with Mixer.



The Barrel of this Atomizer is made of the best tin obtainable; ordinary length; plunger, washers, etc., all of good material. The receptacle is a new special design of extra heavy glass, well protected with a spring steel lantern wire guard. Holds about a quart of liquid; easily filled and washed out.

Price, 75 cents.

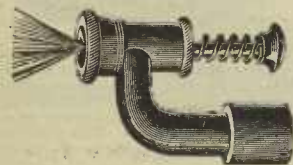
## THE "BOSTON" SPRAY NOZZLE



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.

## Improved Vermorel Nozzle WITH DEGORGER.

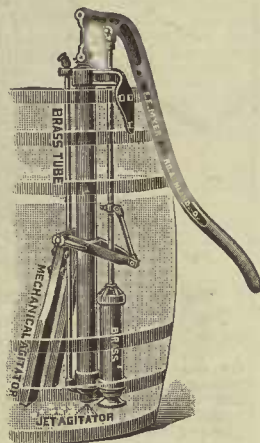


Arranged with stuffing box, so that the liquid will not wet the operator while being used; fitted for 1-2 inch male end or 1-4 inch pipe. Each nozzle is furnished with two caps, with different sized openings, for coarse or fine spray.

Price, 85 cents.

## No. 305 BRASS SPRAY PUMP.

The construction of this pump is the very best possible and we believe it is unequalled for the money by any other pump on the market. It has a bronze ball valve with brass seat, the plunger is brass fitted with hemp packing and it will handle hot, cold or any caustic mixture without any trouble, the cylinder and discharge pipes are both brass, the air chamber is thirty inches long, enabling the pump to throw a uniform and constant stream, the entire pump sets inside the barrel and by this arrangement the working parts are entirely submerged and the barrel will hold its position much better than most of the heavy pumps that are fastened to the top of the barrel head which invariably makes them top heavy and liable to tip over when driving on uneven ground. It can be operated by one man easily, although for best results one man should do the pumping and another handle the hose. We furnish this pump complete including barrel, extension pipe, nozzle, mechanical agitator and hose already for work. This is just the pump for spraying San Jose scale and other pests. It will pay for itself in a very short time and no orchardist should be without it. We have placed the price so low that it is within the reach of all.



Price complete, \$10.00.

## 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.

## Bordeaux Spray and Solid Stream Nozzle.

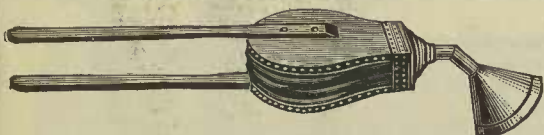
Use this Nozzle for Whitewashing.

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.



Price, 85 cents.

## 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.

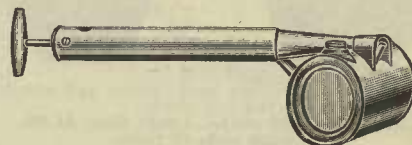
Net price—Single, \$1.00; Double, \$1.50.

## THE HANDY ATOMIZER.

Used for same purpose as the Acme, only it is better than the Acme; in other parts just the same. Made with tin or brass cup. This is the best hand atomizer on the market.

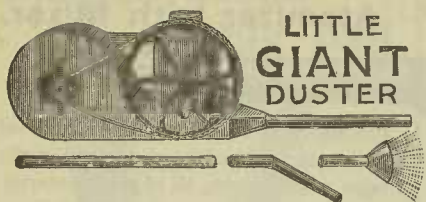
Price, with Tin Cup, 50c.

Price, with Brass Cup, 75c.





**Improved Little Giant Duster.**



**LITTLE GIANT DUSTER**

Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Fungiroid (the dry Bordeaux Mixture), Spanish Pink, Pyrethrum Powder, etc. Weighs only five pounds complete. Full length with tubes, 4 feet 8 inches. **Price, \$5.50.**

**Champion Paris Green or Dry Powder Gun**



**LEGGETT'S CHAMPION DUSTER**

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, \$7.00.**

**The Brownie Duster.**



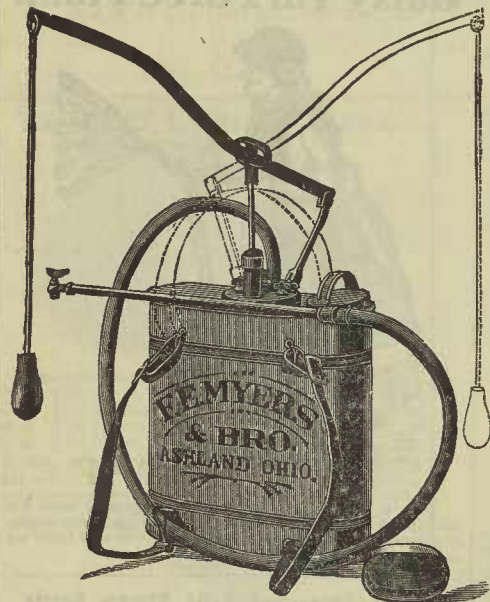
**THE BROWNIE DUSTER**

Particularly Useful for In-Door as well as Out-Door Work, Wherever a Dry Powder is Required.

**Price, \$3.50.**

**Knapsack Spray Pump, No. 331.**

For Orchard, Vineyard or General Use.



The tank of this pump holds five gallons, is fitted with strainer which can be removed. The pump is our regular Copper Tank Spray Pump, with large chamber, ball valves, solid plunger and agitator. The pump can be removed easily. Operator can use it the same as a 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 O. K. Spray Pump.**



**Fig. 1119. Price without barrel, \$13.00.**

For hot and cold mixtures, with extension pipe, single, double or triple nozzles.

This style of pump is designed for ordinary orchard use, and as will be seen by the cut, can be readily attached to any size of barrel in a minute's time; for that reason we sell it either with or without the barrel. The cylinder is what is known as a ram plunger, made of solid brass tube, with closed end, which passes through a circular hemp packing, which adapts it for pumping either hot or cold mixtures. It has a brass valve seat. The pump is fitted with leads for hose, but no hose furnished at price printed. We will furnish any length of hose desired at 10 cents per foot.

Brass Y Connections, fitted for 1/2" pipe	EACH	\$1.00
Pipe Extensions, 8 ft.		.60
Hose Reducers, fitted for 3/4" or 1/2" hose and 1/2" pipe		.25
Brass Male Ends, fitted for 3/4" hose and 1/2" pipe		.30
Brass Female Ends, fitted as above		.30
Brass Hose Couplings, complete, for 1/2" hose		.20
Brass Hose Couplings, complete, for 3/4" hose		.20
Galvanized Steel Hose Clamps		.10

**The Rochester Self-Operating Sprayer.**



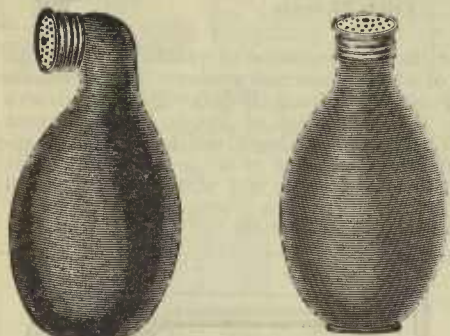
The air enters the sprayer through the valve at bottom of pump, thoroughly agitating and mixing the contents of Sprayer. The compressed air, being powerful, forces the liquid out through the outlet pipe, making either a fine spray or a solid continuous stream as desired. This size machine holds from 3 to 4 gallons. Made of Galvanized iron or brass.

**PRICE.**

Galvanized Iron, 1 1/2" G, \$5.00.  
Brass, \$6.50.

Discount for cash, 50 cents.

**RUBBER ATOMIZERS.**



Useful for sprinkling house plants and also for spraying hellebore and bug death.

**Small Size, 50 cents, Large Size, \$1.00.**

Either style of neck.

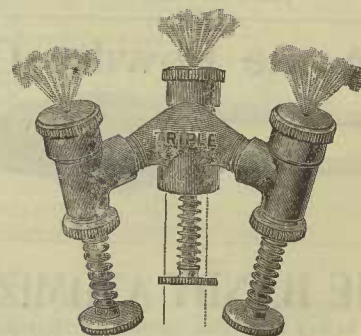


**NO. 18 LIGHTNING TANK WHITEWASHER**

for whitewashing Hen Houses, Stables etc. Tank holds 8 gallons, made of heavy galvanized iron with all brass pump which can be easily taken out to clean. The pump is fitted with hose and pipe as shown in cut, and has a nozzle that is guaranteed to spray whitewash without clogging. Price \$5.00

Discount for cash 25 cts.

**Triple and Double Vermorel Nozzle**



**Triple Vermorel Nozzle. Price, \$2.00**

**Double Vermorel Nozzle. Price, 1.75**



# 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.

6 x 6 for house use.  
7 x 7 for stock.

6 x 6 inch Stock, 3 1-2 Bore.  
FOR GENERAL USE.

	Porcelain Lined	Unlined
7 feet long.....	\$ 7.60	\$ 6.10
8 " .....	8.20	6.70
10 " .....	9.40	7.90
12 " .....	10.60	9.10
14 " .....	11.80	10.30
16 " .....	13.00	11.50

Use 4 x 4 pipe for above pumps, per foot, .21  
Couplings and bands for the above, each, .50

7 x 7 inch Stock, 4 inch Bore.

	Porcelain Lined	Unlined
7 feet long.....	\$ 9.75	\$ 8.00
8 " .....	10.75	9.00

Use 4 1/2 x 4 1/2 inch pipe, per foot, .27  
Couplings and bands for the above, each, .60

25 per cent. discount from list.



# The Bucket Pump.

DRINK PURE WATER.

If You Use This Pump You Will Enjoy Good Health.  
It Makes Bad Water Good and Good Water Better.

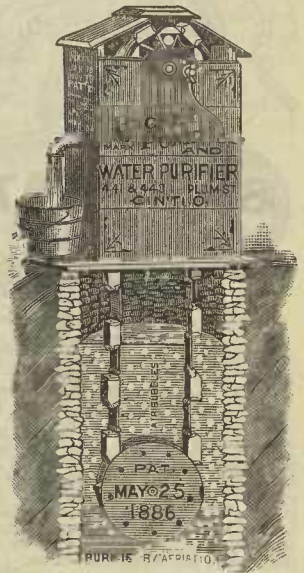
We will guarantee to purify any well, no matter how bad the water is, in 5 days, or refund the money.

How It Purifies Water.—Every bucket descends full of air and ascends full of water. For every gallon of water drawn, a gallon of air (the vital element) is circulated through the water, from the bottom to the top. This agitates, ventilates and purifies the water and forces a large surplus of oxygen from the air into the water, which is sufficient to consume all impurities or organic matter in the foulest well or cistern. It is not tested by thousands using it that the purifier is the only one invented that will destroy wigglers, water bugs, water lice and germs of disease, and make foul and stagnant well or cistern water pure and sweet, removing all color, bad taste and smell.

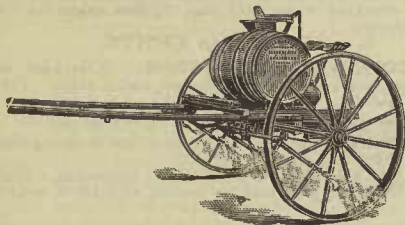
Price. \$10.00 for the first 10 feet of well. Each additional foot of well, 50 cents.

Discount for wells less than 20 feet, 10 per cent.; 20 feet and over, 20 per cent. discount. Cash with order, 5 per cent. extra.

Wells over 40 feet deep require extra heavy fixtures, for which there is an extra charge of \$1.00.



## THE ASPINWALL 4-ROW SPRAYER.



This sprayer is designed for the large potato growers, where the hand machines are too expensive to use, and applying insecticides dry is also expensive; but the Aspinwall 4-Row Sprayer does the work in a cheap and satisfactory manner, and to anyone planting three or more acres of potatoes we recommend this machine. Don't wait until the last day before you order, but send early and have the machine on hand ready when it is needed.

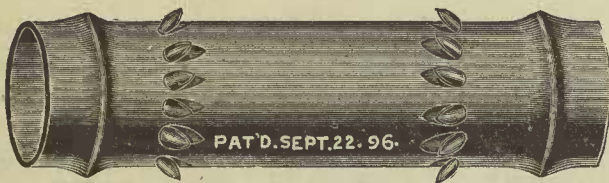
List price, \$55.00. Discount for cash, \$2.00.

Little  
Giant  
Brass  
Spray  
Pump.



For washing windows and sprinkling lawns where there is no water pressure. Has foot rest as shown, best hose and spray nozzle. Price, \$3.50. Discount for cash, 50 cts.

## THE "COOPER" BRASS HOSE MENDER



PAT'D. SEPT. 22. 96.

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, 10 cents each postpaid; per dozen, 75 cents.

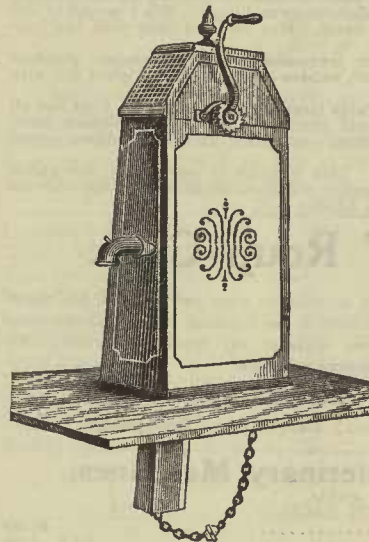
## Rubber Bucket Chain Pumps.

They are one of the best cheap pumps.

This is the old reliable Rubber Bucket Chain Pump, and until the BUCKET PUMP (shown above) came into 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.

PRICES.

Curbs, each .....	\$2.50
Chain, per lb. (3 ft. to lb.)	.10
Wood Tubing, per foot ...	.10
Rubber Buckets, each....	.15



## Dickey's Bug Death Shaker.

Dickey's Bug Death Shaker, shown in cut, is designed for applying any kind of dry powder, and is the best as well as the cheapest shaker on the market. It is provided with a scoop for filling. Order one with your Bug Death.

Price. 25 cents.



THIS IS IT.



# Insecticides and Remedies

For the Destruction of All Kinds of Insects that Infest Cattle, Poultry or Plants.

## BUG DEATH.



We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is NON-POISONOUS, which makes it perfectly safe to use on all plants or vines.

VERY BENEFICIAL RESULTS are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose.

PUT UP IN PACKAGES AS FOLLOWS, WITH TRADE MARK ON EACH PACKAGE

1-Pound package.....	\$ .15	12½-Pound package.....	\$1.00
3-Pound package.....	.35	100-Pound package.....	7.50
5-Pound package.....	.50		

SLUG SHOT, a fine powder used for potato bugs and other insects. Recommended for cabbage worms, 5 and 10 lb. packages, per lb. 5 cts.

PINE TAR. Pint Cans. Used in the stable for cuts and bruises, 15 cts.

### The Eureka Fly Killer.

Protects cattle and horses from fly pest and vermin. Sure preventive, perfectly harmless, easily applied, inexpensive. Eureka Fly Killer is a sure preventive that kills and drives away the worst of all pests, the Texas, Buffalo and horn flies. It was born of a necessity; it meets an existing demand for an article of its kind, and that it meets it well and perfectly satisfactorily is attested by the numerous and grateful testimonials from farmers who have used it. Price pint 15c.; gal. 75c.

## ARSENATE OF LEAD

Is the best insecticide known for leaf eating insects because it kills quickly. Trees or plants sprayed with Arsenate of Lead and water are quickly freed from their insect pests. It cannot injure the most delicate foliage. One pound to ten gallons of water has been used on young, tender leaves without injurious effects. There is absolutely no danger of scorching or burning the leaves. It adheres to the foliage for weeks. Respraying after rains is the bane of the fruit-grower's life. Arsenate of Lead dries on the leaves into a varnish-like film, which is not affected by dew or rain. One thorough spraying will protect the foliage for an entire season.

### PRICE LIST.

1 lb. Tin Cans, at 20c. per lb.	20 lb. Wooden Pails, at 17c. per lb.
5 lb. Wooden Pails, at 18c. "	50 lb. " at 16c. "
10 lb. " at 17c. "	100 lb. " Kegs, at 15c. "

Whale Oil Soap. For destroying insects on plants; etc.; in small boxes. Per lb. 15c.; 5 lbs. 50c.

Paris Green. A poisonous, insoluble powder for preventing the ravages of potato bugs, codling moth, caterpillars, slugs and bugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. May be used clear with the Leggett & Hotchkiss guns. Per lb. 35c.

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. In one and three pound boxes, per lb. 25c.

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.



## Ross' Roup Cure.

A powder which is a positive cure for roup in its worst stages. Simply put a little in the drinking water and the hens take their own medicine without any trouble whatever. We guarantee a cure or money refunded.

### TWO SIZES.

Small, 40c.; Large, 75c., Postpaid.

## Dr. Daniels' Veterinary Medicines.

All Reliable and should be in every stable. PRICE EACH.

Colic Cure .....	\$1.00
Cough, Cold and Fever Drops.....	50 & 1.00
Horse Renovator .....	.50
Wonder Worker Liniment .....	.50
Worm Killer .....	.50
Absorbent Blister .....	.50 & 1.00
Oster-Cocus .....	.25 & .50
Liniment Powder .....	.50
Hoof Grower and Softener .....	.50
Gall-Cura .....	.25 & .50

### "SCALECIDE" ?

It is a Petroleum oil that mixes at once with cold water in any proportion, and stays mixed. It is not necessary to use an extra tank or barrel and no hot water should be used. Can be prepared in an instant adding one gallon of "Scalecide" for every fifteen or twenty gallons of water.

Prices: Bbl. (50 gal.) \$25.00; Half-bbl. (30-gal. tin) \$15.00; 10-Gal. Can, \$6.00; 5-Gal. Can, \$3.25; 1-Gal. Can, \$1.00; 1-Qt. Can, 50c.

COAL TAR. In quart tin boxes. For tarring corn to prevent crows from pulling it. Per can, 25c.

HELLEBORE. Sure death to the currant worm. Per lb. 25c., ½ lb. 15c.; ¼ lb. 10c.

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., \$2.00.

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, 10c., for 100 lbs. \$2.00.



## Conkey's Roup Cure.

Cures roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine.

PRICE, 50 CENTS.

CONKEY'S LICE POWDER. Kills Lice and other pests on Poultry, Horses and Cattle. Price, 50 cents.

CONKEY'S LIQUID LICE KILLER. 1 qt. 35cts.; 2 qts. 60 cts.

CONKEY'S CHOLERA CURE. This can be given in the drinking water as fowls will drink when they will not eat. Price, 50c.

CONKEY'S HEALING SALVE. This is an ointment possessing curative powers, is good for Chicken Pox, Scaly Legs and for healing all sorts of wounds. Price, 50c.

## INSTANT Dr. Hess' Instant Louse Killer.



KILLS LICE.

Put up in round can with perforated top ready for use in one and three pound packages. The large size is the cheaper. You get three pounds for 60 cents and with the handle it is just as convenient as the smaller size. Large size 60c., small size 25c.

## PRATT'S LOUSE KILLER.

Put up in one pound size, (it kills the lice.) 25c.

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. 15 oz. size 25c., 48 oz. size 50c., 100 oz. size \$1.00.

LEB'S LICE KILLER is a liquid preparation; comes in tin cans; highly recommended. Quart, 35c., 2-quarts, 60c., 4-quarts, \$1.00.

DR. HESS' HEALING POWDER. A great antiseptic powder. Cures galls and open wounds. 4oz. box, 25c.

## TREE TANGLEFOOT

A perfect safeguard for trees against Gypsy, Brown-Tail and Tussock Moths, Canker Worms, Ants and all Creeping things. It will remain sticky about three months fully exposed to the weather.

Prices: 1-lb. Can 30c.; 3-lb. Can 85c.; 10-lb. Can \$2.65; 20-lb. Can \$4.80.



**WYANDOTTE** EVER READY  
**BRAND**

**CHICKEN FOOD**

TRADE MARK REGISTERED.

**WYANDOTTE CHICK FOOD.** Our Wyandotte Chick Food is scientifically prepared to meet the chick requirement and it is not thrown together as many of the cheap foods on the market are but it is made of the choicest materials that money will buy. It is not loaded down with grit and oyster shells so as to sell at a low price. Quality is first in our minds. It is the safest feed to give young chickens. Feeding it regularly will prevent all the ailments to which they are liable and having a good start for the first few months, they will mature much earlier and in better condition for laying or the market than they would in the ordinary way. We do not use any waste material. We are not in the milling business and therefore have no refuse to dispose of. We buy only the choicest cereals and imported bird millets that we can get, to these we add the very best oatmeal and fine cracked charcoal, all of which combined make a food just fitted to produce strong and vigorous chickens.

**DIRECTIONS:** Little chickens like old hens need exercise and there is no danger of overworking them. Throw some of our chick food in the litter on the floor and let them scratch for it but do not throw it on the ground where it will get damp, for in that way it will become sour. Feed a little at a time and keep them hungry. You will find that when they are fed in this manner they will grow much faster than where the feed is before them so they can get it without any exercise. After they are four to six weeks old feed can be kept before them all the time. Price 25 lb. bags 75c., 50 lb. bags \$1.35, 100 lb. bags \$2.50 and 500 lbs. \$11.25.

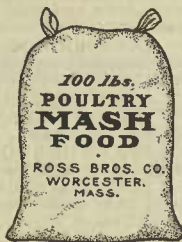
**WORCESTER CHICK GROWER.** This is designed to follow Wyandotte Food. It contains practically the same properties as Wyandotte only larger, and is just the food to feed chicks after they have reached the age where they do not need a little chick food. This will carry them through to maturity without any other grain. Skimmed milk (if it can be had) and beef scraps should also be fed and plenty of fresh clean water.

PRICE, per 100 lbs., \$2.50.

**Every Day Scratch Food**



Our **EVERY DAY SCRATCH FOOD.** As its name signifies is a scratch food consisting mostly of whole grains such as wheat, oats, barley, corn, buckwheat, sunflower, Kaffir corn, millet, charcoal and scraps. It is the result of a large number of experiments and is mixed in the right proportions to produce bone, muscle and eggs, especially the latter. It contains no oyster shells or grit. It is free from waste material and fowls will always find something tempting for which to scratch. A small amount of this thrown into the litter after they have gone to roost at night will start them to work early in the morning. The profitable poultry keeper must feed for results. Simply because a feed looks good to the naked eye is no sign it will produce eggs. Our E. D. S. has been tested and has proven itself as being all that we claim for it,—a complete egg-producing feed.



Price per 100 lbs. \$2.00, 500 lbs. \$9.25. No charge for bags.

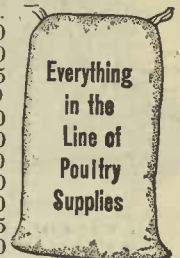
**Seeds and Cereals for Chick Food**



While we believe that much better results can be obtained by using our regular prepared foods, we are in position to furnish anything in the line of chick or bird feeds at bottom prices. We import in large quantities and we buy in this country in car-loads lots and handle nothing but the best.

	Per 10 lbs.	Per 100 lbs.
Imported Bird Millets,	\$.30	\$2.50
Mixed American Millets,	.25	2.00
Fine Cracked Kaffir Corn,	.25	1.85
Steel Cut Oatmeal,	.60	5.00
Canary Seed,	.80	7.00
Hemp Seed,	.75	6.50
Rape Seed,	.75	6.00
Russian Sunflower Seed,	.60	5.50
Fine Cracked Peas,	.50	3.50
Fine Cracked Corn,	.25	1.75
Paddy or Unhulled Rice,	.80	8.00

100 lb. lots, bags 20c. extra.



**Every Morning Mash.**

**EVERY MORNING MASH.** Because we call this our morning mash does not signify that it is to be fed in the morning only, for in extreme cold weather we recommend feeding hot mash just before night. At other times it can be fed either wet or dry at any time during the day. This is a highly nutritious balanced ration for laying hens. It is sold under a guarantee to contain not less than 12% protein and 3.50% fat. It is different from most mashes on the market in that it contains medicinal properties as well as those for producing eggs. It contains those grains that are high in egg making qualities and feeding this mash once a day will keep the flock in a healthy condition. Laying hens should never be over fed with warm mash, especially in the morning. It has a tendency to make them stupid and inactive. While this is equal to many of the high priced patent foods on the market, we sell it at a price within the reach of all. Price for 100 lbs. \$2.00; 500 lbs. \$9.50



# POULTRY FOODS and CONDITION POWDERS

## PRATT'S POULTRY FOOD



TRADE MARK REGISTERED

## Pratt's Poultry and Cattle Food

We have sold Pratt's Foods for several years and always found it reliable and can recommend it with confidence to our customers. To get the best results it should be fed regularly. It keeps the poultry in good condition, and is indispensable in the stable. It keeps cows and horses in the pink of condition.

### PRICES.

Poultry Food, small size . . . . .	\$ .25	Poultry Food, 12 lb. bags, each	\$1.25
Poultry Food, large size . . . . .	.60	Poultry Food, 25 lb. bags, each	2.50
Pratts Horse, Cattle and Hog Food, 12 lb. bags, each	.75		
Pratts Horse, Cattle and Hog Food, 25 lb. bags, each	1.50		

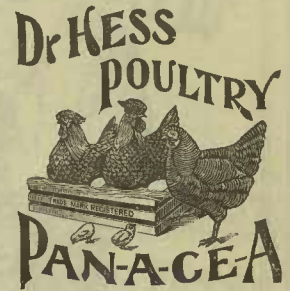
## Dr. Hess' Stock Food

Milk makes the MONEY, but Dr. Hess' Stock Food makes the MILK.

We Guarantee Dr. Hess' Stock Food to increase the bone, muscle and milk producing value of your hay, grain, etc., sufficient to cover its cost many times over, besides keeping animals free from disease.

### PRICE.

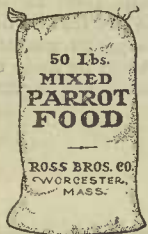
Dr. Hess' Stock Food.	
2½ lb. package . . . . .	\$ .25
7 lb. package . . . . .	.50
25 lb. pail . . . . .	1.60
12 lb. sack . . . . .	.75
100 lb. sack . . . . .	5.00



### PRICE.

Dr. Hess' Poultry Pan-a-ce-a.	
1½ lb. package . . . . .	\$ .25
5 lb. package . . . . .	.60
12 lb. package . . . . .	1.25
25 lb. pail . . . . .	2.50

### PARROT FOOD.



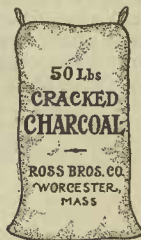
A mixture of whole seeds, especially designed for parrots. Lb. 10c.; 3 lbs. 25c.

### CANADA PEAS.



For pigeons and parrots. Lb. 5c.; 100 lbs. \$3.50.

### CRACKED CHARCOAL.



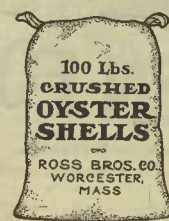
Fine for small chicks. 8 lb. box, 25c.; 100 lbs. \$2.00. For poultry. Same price.

### MICO-SPAR CUBICAL GRIT.

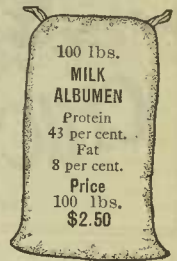


Cracked in three sizes. No. 2, for Poultry. No. 3, for Pigeons. No. 4, for Small Chicks. Price per 100 lbs., 75 cents.

### GROUND OYSTER SHELLS.



For Poultry or Chicks. Per 100 lbs. 75 cts.

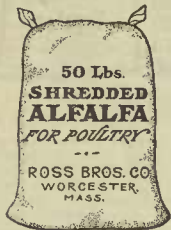


This food is in reality skim milk in dry form without the sugar and is even better than fresh skim milk. It will keep for any length of time without any odor.

**KOW KURE.** Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 50c. and \$1.00.  
**COW TONE.** For same purpose as Kow Kure. Considered by some as preferable to it. 50c. and \$1.00.  
**COW RELIEF.** Cures caked bags and sore teats. Should be in every stable. 50c. and \$1.00.  
**CALF CORDIAL.** Sure cure for scours and other similar complaints. 50c.  
**PIGEON FOOD.** A mixture of Kaffir Corn, Vetch, Peas, etc. Lb. 10c., 20 lbs. \$1.00.  
**HEMP SEED.** For birds or chickens. Lb. 10c.; 10 lbs. 75c.  
**CANARY SEED.** Lb. 10c.; 10 lbs. 75c.  
**PADDY, OR UNHULLED RICE.** Lb. 10c.; 3 lbs. 25c.  
**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.

**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 milch cows to increase the flow and keep the animal in condition. Once tried, always used. Large box, 75 cents.  
**GLASS NEST EGGS.** Each, 5 cents. Dozen, 30 cents.  
**MILFORD GRANITE GRIT.** Two sizes, for Poultry and Chicks. Per 100 lbs., 75 cents.  
**GREEN CUT BONE** in season. We can furnish this in 50 and 100 lb. lots at \$3.00 per 100 lbs.  
**FINE CRACKED BONE.** For small chicks; made from best selected white bones finely cracked and screaned; 8 lb. 25 cts.; 50 lbs. \$1.40; 100 lbs. \$2.50.  
**EDIBLE BONE MEAL.** For Cattle. 10 lbs. 30c.; 100 lbs. \$2.50.

### SHREDDED ALFALFA.



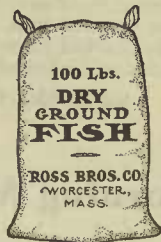
This is the latest and best food for all kinds of poultry. It is alfalfa pure as can be had, finely ground, and should be mixed with other kinds of feed, and being light, it makes a very nutritious food and is also an egg producer. Per 100 lbs., \$2.00.

### MEAT MEAL.



It 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.

### DRY GROUND FISH.



For poultry. This is a great egg producer and takes the place of beef scraps, which are so hard to get at the present time. The price is also much lower than scrap. Per 100 lbs., \$2.50.

### KAFFIR CORN.



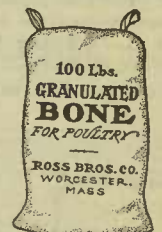
This is probably one of the best, as well as the cheapest, food for hens, chickens or pigeons. It is about the size of a very small pea, and is fast taking the place of other grains for poultry food. Try it. Per 100 lbs., \$1.90.

### 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., \$2.50.

### GRANULATED 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., \$2.25.



# Cornell Incubators & Peep-o'-Day Brooders

The Best Line of Machines for Hatching and Raising Chickens Ever Invented.

It is impossible for us in the small space at our disposal to give anything like a complete description of this line of goods, but will mail free a complete catalogue describing them fully.

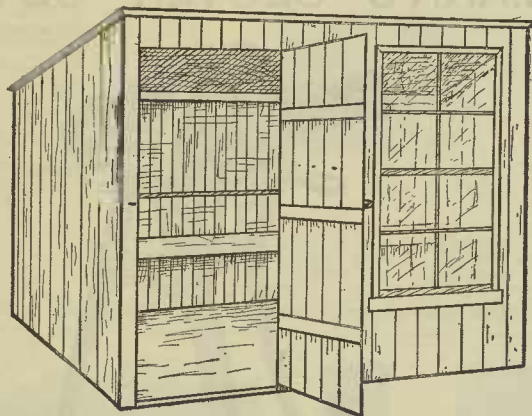
THE TABLE TOP is one of the most important improvements on any incubator made, and is alone worth the difference in price that you have to pay over and above prices of other makes. The regulator as will be seen by the cut, is inside, and out of danger, and leaves the top free to use in turning and testing eggs.

THE DOOR on the Cornell Incubator is entirely original, and is found on no other make. It is practically two doors in one without that inconvenience; it being opened as one door. Each section is insulated with felt, making it a positive fit and practically air tight. The lamp solves the moisture question beyond all doubt. See price list below.

No matter how good an incubator you have, it is important that you have a safe and reliable brooder of some make. The Peep-o'-Day is so well known that it needs no word of praise from us. When buying a brooder, be sure and get one large enough, or better still, have a greater number of small ones to give the chicks plenty of room.



## The Oxford Colony House.



These houses we have made for us by a reliable firm nearby and while we do not carry them in stock, we can make shipment in about ten days from date of order, as they are all made especially for us. We can furnish any other size wanted at proportionate prices and will be pleased to quote on any size wanted.

### Standard Sizes and Prices of Oxford Portable Colony Houses.

	Floor.	3 Nests.	6 Nests.
5 x 7 9 16 inch stock . . . . .	\$20.00	\$3.00	\$1.00
5 x 7 13-16 " . . . . .	25.00	3.00	1.00
6 x 8 9-16 " . . . . .	22.00	4.00	1.00
6 x 8 13-16 " . . . . .	28.00	4.00	1.00
8 x 12 9-16 " . . . . .	29.00	5.00	1.00
8 x 12 13-16 " . . . . .	38.00	7.00	1.00

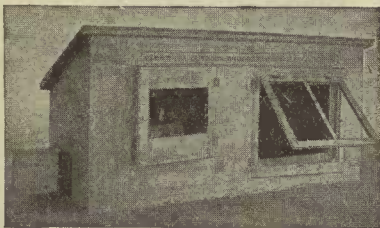
50 cents discount cash with order.

## Peep-o'-Day Brooder and Colony House No. 8

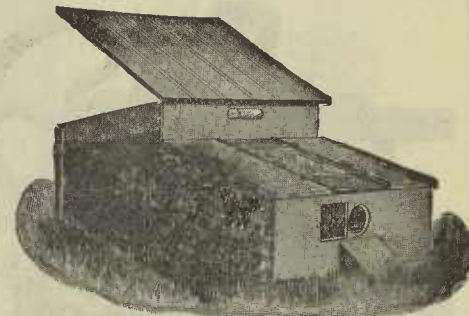
Poultrymen have been much in need of a large roomy Outdoor Brooder, to be readily converted into a serviceable Colony House after the chicks have taken on sufficient size.

Home-made Brooder Houses, built of Dry Goods and Piano boxes, have been recommended from time to time, and generally found wanting after the test of a season. "Wanting" in this case means loss of chicks i. e., financial failure.

This Brooder, is built through-out of selected tongued and grooved 1-inch pine, is 6 feet long and 3 feet deep in the clear. The front wall is 3 feet high and the back wall 2 feet, giving the roof of 22 square feet over all, the right ditch to readily head the water. It is the most roomy and airy Brooder constructed. **PRICE, \$20.00.**



## Peep-o'-Day Brooder No. 2.



This is the most popular brooder on the market and is our largest seller. It can be used either in or out-of-doors and is sure to give satisfaction.

DIMENSIONS:—Five feet long, three feet wide and two feet high. Hover, two feet in diameter, with a special brooder thermometer, and the latest improved lamp, which will burn from 30 to 40 hours. This brooder is absolutely storm proof, made of white pine and handsomely painted. Weight, 120 lbs. **PRICE, \$12.00.**

## Peep-o'-Day Brooder No. 3.

This Brooder is similar to No. 2 but smaller. Many people prefer to keep fewer chicks in a brooder; while this will take care of 50 chicks with good success, thirty or forty are better. It has a smaller burner than No. 2 and therefore takes less oil. Dimensions, 4 feet long, 26 inches wide, weight 75 lbs. **PRICE \$8.50.**

## Peep-o'-Day Junior Brooder.



In this Brooder are embodied many of the superior qualities found in the regular Peep-O'-Day, and is unquestionably the best \$5.00 brooder on the market. **PRICE, \$5.00.**

## Complete Price List

Catalogue giving complete list of prices mailed on application.

### CORNELL INCUBATORS.

No. 0. 60-egg size . . . . .	\$16.00
No. 1. 128-egg size . . . . .	20.00
No. 2. 232-egg size . . . . .	29.00
No. 3. 364-egg size . . . . .	37.00

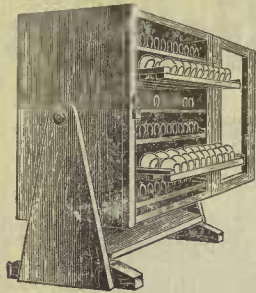
### PEEP-O'-DAY BROODERS.

No. 1. In or Out Door Brooder	\$10.50
No. 2. In or Out Door Brooder	12.00
No. 3. In or Out Door Brooder	8.50
No. 4. Indoor Brooder . . . . .	8.50
No. 5. Indoor Brooder . . . . .	7.50
No. 6. Out Door . . . . .	14.50
No. 7. " " . . . . .	13.00
No. 8. " " and Colony House . . . . .	20.00
Peep-o'-Day Junior Brooder	5.00

### PEEP-O'-DAY COOPS AND COLONY HOUSES.

No. 1. Sitting Coop . . . . .	\$ 2.25
No. 2. Coop or Colony House, without floor . . . . .	5.00
No. 2. Coop or Colony House, with floor . . . . .	6.00
No. 3. Coop or Colony House, without floor . . . . .	6.50
No. 3. Coop or Colony House, with floor . . . . .	7.50
No. 4. Coop or Colony House, with run, without floor . . . . .	6.00
No. 4. Coop or Colony House, with run, and floor . . . . .	7.00
No. 5. Colony or Poultry House with run . . . . .	16.50





### Houghton's Wire Egg Turner.

This turner is made for the use of all Poultry Breeders, large and small, to hold and turn eggs which are to be used for hatching, as it is a well-known fact that all eggs used for that purpose should be turned every day or two so that the yolk will not settle to one side and destroy the fertility of the egg.

They are just the thing to hold and turn eggs which are kept in storage for higher prices. If turned every day or two they will keep fresh for weeks.

Price List of Wire Egg Turners :  
 1008 Egg Size, \$8.50  
 504 Egg Size, 5.50  
 336 Egg Size, 4.25

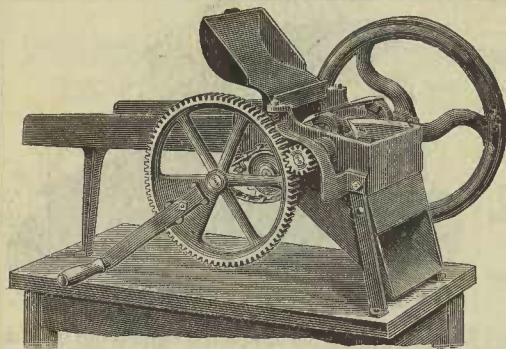
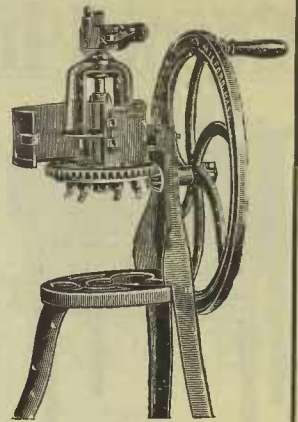
### Mann's New Open Cylinder Bone Cutters.

PRACTICAL POULTRYMEN are for the most part concerned with facts. They want eggs when eggs are worth most. The fowl demands raw animal food. When hens get such food in abundance they lay in abundance. When they are deprived of such food they do not lay so abundantly. Properly cut Green Bone, with meat and gristle attached, supplies this food in the most available manner.

#### NET CASH PRICE LIST.

No Discount from these Prices.

No. 5C (with Crank Handle) .....	\$ 6.00
No. 5B (with Balance Wheel) .....	8.00
No. 5BM (with Balance Wheel and Iron Stand) .....	10.40
No. 7 (with Balance Wheel) .....	12.00
No. 9 (Standard Bone Cutter, Iron Stand) .....	18.40
No. 11 (Combination Power Cutter) .....	26.00
Clover Cutter (with Balance Wheel) .....	8.00
Clover Cutter (with Balance Wheel and Iron Stand) .....	10.00
Mortar (Perforated, Cast Iron) .....	3.00
Swinging Feed Tray (18 in., 27 in., 36 in. long) ..	\$1.00, \$1.25, \$1.50



### SILVER'S "New Model" CLOVER CUTTER

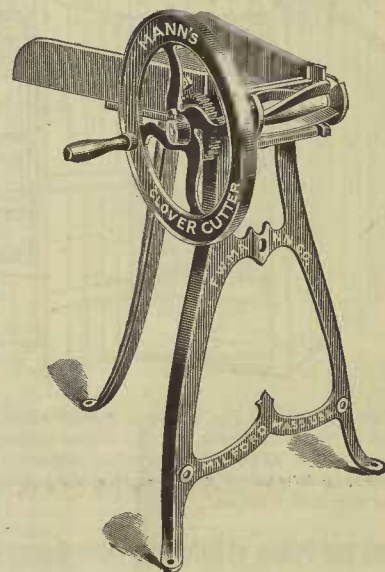
"NEW MODEL" Clover Cutter is a departure from all others. Four all-steel knives are mounted on two knife heads on a steel shaft. The steel knives can easily be removed for sharpening, and the cutter bar is adjustable and easily accessible, so that a perfect cutting edge can be assured at all times. The knives are 7 inches long.

The "New Model" is designed for cutting clover, alfalfa and other growths, green or dry, into one-eighth inch lengths and finer. The "New Model" is made only of iron and steel from entirely new patterns. It has good strong feed rollers, large capacity, runs easy and will do perfect work indefinitely. Length over all, 28 1/2 inches.

The machine is intended to be mounted on a box or bench at any height to suit the operator.

With four 7-inch knives; weight K. D. 60 lbs. . . . List \$10.00  
 Discount for cash, \$1.00.

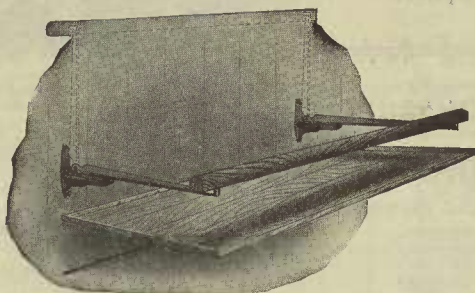
### MANN'S CLOVER CUTTER.



This machine is designed for poultry keepers who wish to cut their own clover and it will pay for itself in a very short time. The knife of this cutter is so constructed that it is easy to sharpen when necessary and each revolution of the balance wheel produces twelve cuts. This is a strong built machine.

Clover Cutter (with Balance Wheel) . . . \$ 8.00  
 Clover Cutter (with Balance Wheel and Iron Stand) . . . 10.00

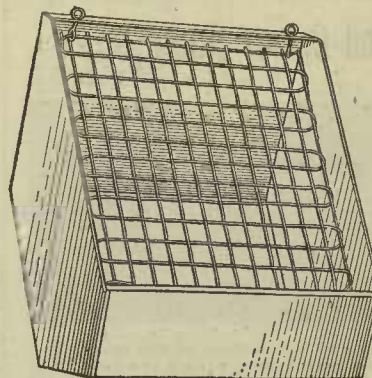
### Davis Anti-Louse Roost Bracket



This bracket prevents the lice from getting on to the roosts from the building and allows the roost to be raised out of the way for cleaning the platform. Prices, No. 1, per pair, 75 cts.; 3 pairs, \$2.00; 6 pairs, \$3.25; 12 pairs, \$6.25.

No. 2 Bracket holds two or three roosts. Price, per pair, \$1.25  
 No roosts are furnished.

### BOSTON DRY FOOD HOPPER



THIS FEEDER should be hung about four inches from the floor. It is made of galvanized iron and it is almost indestructible. The wire grid follows the dry mash and prevents it from wasting. You can always tell whether the feeder is full or not. This is the best dry mash feeder made.  
 Price \$1.00 each or \$11.00 per dozen.



# POULTRY HOUSE SUPPLIES

Our Assortment of Galvanized Ware is very complete and our prices are as low as first quality goods can be sold at.

No. 8. LEADER  
Drinking Fountain.



1/2 Gallon . . . 35 cents  
1 Gallon . . . 50 cents

No. 7. AUNTIE  
Drinking Fountain.



1/2 Gallon . . . 35 cents  
1 Gallon . . . 35 cents

No. 1. OUR FAVORITE  
Drinking Fountain.



1 Gallon only . . . 50 cents

YOUNG'S  
ANTI-FREEZE.



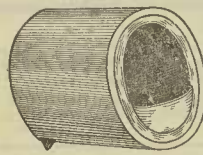
1 Gallon . . . 75 cents  
Bottom lets down.

No. 11. FEEDER.



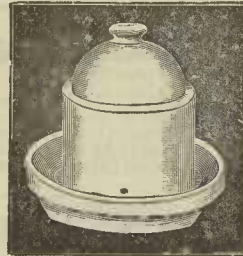
1 1/2 Quart . . . 35 cents  
3 Quarts . . . 50 cents

W. R. FOUNTAIN.



2 Quarts . . . 25 cents  
4 Quarts . . . 35 cents  
8 Quarts . . . 50 cents

E. H. M. FOUNTAIN.



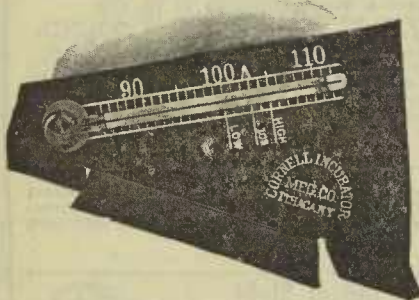
1 Quart . . . 25 cents  
2 Quarts . . . 30 cents  
4 Quarts . . . 35 cents  
8 Quarts . . . 50 cents

SANITARY FOUNTAIN.



1 Gallon . . . 50 cents  
2 Gallons . . . 85 cents

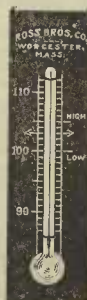
Incubator and Brooder Thermometers, every one warranted accurate, and will be mailed postpaid at price named.



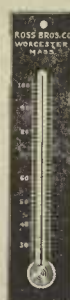
Cornell Incubator  
Price 75 cents.



Ertel  
Incubator  
Price 50c.



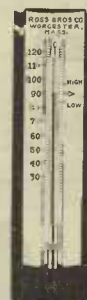
Regular  
Incubator  
Price 50c.



Brooder  
Thermometer  
Price 30c.



Prairie  
State  
Incubator  
Price 50c



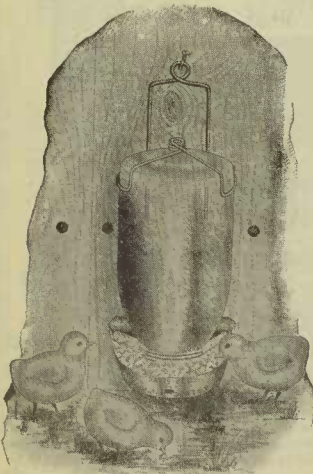
Brooder  
Thermometer  
Price 30c.



Peep-o'-Day  
Brooder  
Thermometer  
Price 40c.



Cypher  
Incubator  
Price 75c.



## Davis' Food and Water Fountain.

This can be used for either water, feed, grit, shells or bone.

It is the only fountain adapted to use any glass bottle.

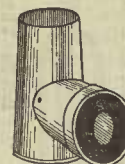
A quart fruit jar or milk bottle is best.

It is perfectly safe and always clean.

Price, 25 cents

With glass bottle, 30 cents.

## The X-Ray Egg Tester.



This is the most practical egg tester made, and is equal to any high-priced tester made. Testing eggs for hatching is necessary, and eggs should be tested before taken to the market if they have been kept any length of time.

Price, 30 cents.



# VETERINARY INSTRUMENTS

EVERYTHING SHOWN ON THIS PAGE WILL BE SENT POSTPAID ON RECEIPT OF PRINTED PRICE



## PHILADELPHIA POULTRY MARKER

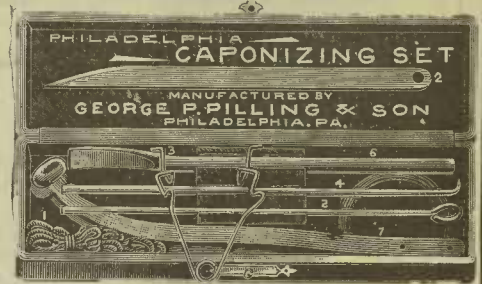
Do you keep a record of chickens? The different breeds, hatches, etc., should be kept. There is no better or quicker way than by this marker, as over 200 different marks can be made by punching web between toes. They are well made with steel spring and cutter, nicely nickel plated. Made in two sizes. Sent postpaid on receipt of price, 25 cents each.

Geo. P. Pilling & Son, Philadelphia, Pa.

## PILLING'S CAPONIZING TOOLS.

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instruction so full and explicit that anyone will be able to perform the operation. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. The object of Caponizing is to largely increase the weight of the fowl, causing them, in many cases, to grow as large as turkeys and weighing from 10 to 15 pounds, to make the meat a finer and sweeter flavor and very juicy and tender. Again Capons are worth \$1.00 to \$1.50 more than cocks not Caponized. They are very much quieter in disposition.

Complete with instructions, \$2.50. In Velvet-lined case as per Engraving, \$2.75. We send book, "Complete Guide for Caponizing," with every set.



## STRICTURE INSTRUMENTS

For cutting strictures in cows' teats.



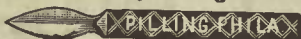
Pilling's Three-Ring Stricture Cutter. Price \$3.00.

## Pilling's Plain Teat Slitter.



Illustration shows instrument both open for cutting and closed for inserting. Plated, \$1.50

## French Poultry Killing Knife.



Every poultry raiser should have one of our Killing Knives. They are made of finely tempered instrument steel, with nicked handle; will last a life time. It will be one of the best investments you ever made. Sent postpaid on receipt of 50 cents.

## MILKING TUBES for Sore and Obstructed Teats and Hard Milking Cows.



DIRECTIONS.—The long rounded end of the tube is inserted in the orifice of teat, when the milk will flow without the use of the hands. It is best to wet the Tube with a drop of milk or water before using. Remove tube when milk ceases to flow. If in some cases, the obstruction is further up the teat than can be passed by the regular length, you should have a longer tube, and as it can be made any length, answers for all purposes. German Silver plated, 2½ in., 3 in., 3½ in.; all sizes, 25c. each.



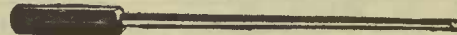
Aluminum Tag Bonds. Made of one piece; two sizes; will fit any fowl; impossible to lose. In ordering give breed. Price, doz. 15c.; 100, 75c.

## MARK YOUR FOWLS

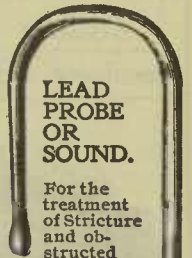
Leg Bands are the only means of marking birds to distinguish them either for exhibition or killing. Price:

Doz. 10c., 100, 75c. Postpaid.

## Pilling's Improved Instrument for Opening Obstructed Teats.



The above instrument for opening obstructed (cows') teats. There has been a demand for some simple remedy for this purpose, which we think is now filled by this little instrument, being highly endorsed by some of the best Veterinary Surgeons of the Country for its very successful, and at the same time harmless and simple use, so that any person of average intelligence can use it with perfect safety. We send it securely packed in neat box, with full instructions, postpaid, on receipt of price. 75 cents.



## LEAD PROBE OR SOUND.

For the treatment of Stricture and obstructed

teats of cows, also for enlarging the opening in cows'

teats. Made in three sizes: Small, Medium and Large, postpaid 25 cents each. Directions for using Lead Probe mailed with each one.

Floating Dairy with bulb always upright.



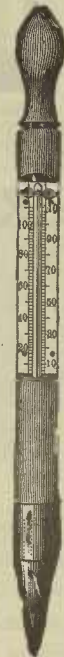
Common Dairy graduated for Dairy use.



Lactometer for testing gravity of milk.



Hot Bed Thermometer.



Price 50c. Price 25c. Price 65c. Price \$1.50

**NON-CORRODIBLE**

**24** NO. 1  
**27** NO. 2  
**30** NO. 3  
**33** NO. 4  
**35** NO. 5  
**38** NO. 6  
**41** NO. 7  
**44** NO. 8  
**47** NO. 9  
**50** NO. 10  
**52** NO. 11  
**55** NO. 12  
**58** NO. 13  
**61** NO. 14  
**63** NO. 15  
**66** NO. 16  
**69** NO. 17  
**72** NO. 18  
**75** NO. 19  
**78** NO. 20  
**81** NO. 21  
**84** NO. 22  
**86** NO. 23  
**89** NO. 24  
**92** NO. 25  
**95** NO. 26  
**97** NO. 27

**PIGEON SIZES**

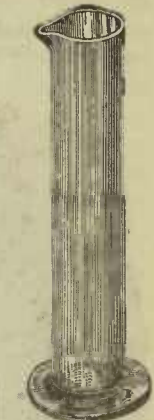
**POULTRY SIZES**

## Out of Sight Mouse and Rat Trap



Best Rat Trap Made. For Rats, 20 cts. For Mice, 10 cts. Postpaid.

## Open Pigeon Bands.



Glass Cream Testing Jars Price, 50 cents.

Made from aluminum with rounded edges. Can be opened or closed sufficiently to fit different sizes of pigeons.

We furnish them numbered from 1 to 100. Price: Doz. 15cts.; 100, 90 cts. Postpaid.





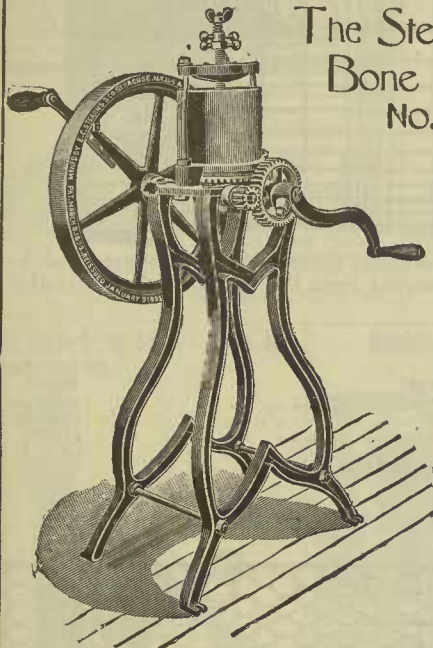
# REX FLINTKOTE ROOFING.

Is less affected by changes in temperature, and is more durable than other roofings, due to the use of high-grade and perfect non-conducting materials in its manufacture. As a roofing and siding for poultry buildings Rex Flintkote Roofing is especially adapted. It keeps the poultry and stock warm and dry in winter and cool in summer and protects them from draughts and dampness, making them less liable to cold and disease. We also call attention to its value as a roofing and siding for all kinds of farm buildings, outbuildings, silos, etc. Cheaper than shingles, more easily laid and more durable. Flintkote Roofing is made from perfect non-conducting materials and is water, acid and alkali proof. It is therefore unaffacted by heat and cold or fumes of any kind, and can be laid in all climates. Coming in four plies— $\frac{1}{2}$ , 1, 2 and 3 ply—it is suitable for any roof, provided there is a pitch of  $\frac{1}{4}$  inch to the foot or over, and can be quickly and cheaply laid.

## PRICE LIST FLINTKOTE ROOFING

$\frac{1}{2}$ -Ply per square (100 square feet)	.....	\$1.75
1-Ply " " " " " " " " " " " "	.....	2.25
2-Ply " " " " " " " " " " " "	.....	3.25
3-Ply " " " " " " " " " " " "	.....	4.00

Each roll contains 216 square feet. Two squares (200 square feet) and 16 square feet for laps and butts. Inside each roll is packed sufficient nails, caps and cement for laying. The above are included in price quoted.



## The Stearns Bone Cutter. No. 7.

This mill runs on ball bearings, and is the easiest running bone mill on the market. The bearings are dust-proof, and it has an automatic feed.

Price, \$20.00.

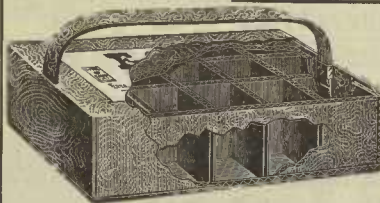
Cash with order, 5 per cent. discount.

Stearns No. 7.

### PRICES.

No. 1.—1 Sitting.—15 Egg.	
Lots of 1 Dozen.....	\$1.25 per Dozen
" 10 " .....	1.20

## Eyrie Egg Box



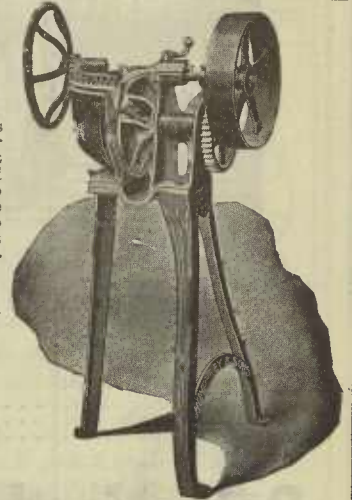
### Just What You Have Been Looking For!

The box is so firmly braced by the Corrugated Partitions that it will stand a weight of over a thousand pounds. The box packed weighs less than two and three-quarter pounds, and the express to any part of the United States will not exceed 45 cents. It only takes about quarter the space of an ordinary basket.

No. 2.—2 Sitting.—30 Egg.	
Lots of 1 Dozen.....	\$1.90 per Dozen
" 10 " .....	1.80

## The Humphrey Green Bone and Vegetable Cutter

The Humphrey Bone Cutter is entirely different from other makes, but we have found that it gives good satisfaction, and our increased sale prompts us to show it in our catalogue, and we warrant every machine to do perfect work. We carry but two sizes in stock, but can furnish any size from the factory.

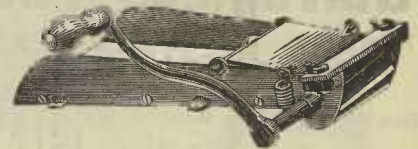


No. 1, Hand Power, \$12.

No. 2, Hand and power, \$15.00.

5 per cent. discount for Cash.

## Stearns Clover Cutter.



A very handy but cheap cutter for small poultry keepers. Fastens to any table or bench. Price, \$3.00.

# UNION LOCK POULTRY FENCE.

For Poultry, Rabbits, Orchards, Gardens, etc.

All main strands are two wires twisted together.



Patented July 12, 1893

and April 25, 1899.

Pickets 3 in. apart. Cables  $\frac{1}{4}$  in. apart at bottom.

The horizontal lines of this fence are all composed of two No. 20 galvanized steel wires twisted together.

Beginning at the bottom the first seven cables are  $1\frac{1}{4}$  inches apart, the next three cables are  $1\frac{1}{2}$  inches apart, then six cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of  $1\frac{1}{4}$  x 3 inches at the bottom where it is needed for small chicks, and above two feet, where fowls can only reach when on the wing, the mesh is 3 x 4 inches.

On account of the picket being at right angles to the cables, this fence will fit any unevenness of the ground without cutting, which is an advantage not possessed by any diamond mesh netting or diagonal mesh fencing.

As all of the cables are of the same length and run the whole length of the fabric every part can be stretched perfectly. The fence is amply strong, as the breaking strain of a No. 20 two-wire cable is 192 pounds, and there are ten cables in the first foot of fence.

Because of its strength and construction this fence requires no top or bottom rail.

### NET RETAIL PRICE LIST.

10 Rod Rolls (165 feet).

24 in. wide	\$3.00	36 in. wide	\$3.75	48 in. wide	\$4.25
60 in. wide	\$5.00	72 in. wide	\$5.75		

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer. We don't sell less than full rolls.







## COMMON SENSE Calf Feeder

Gold Medal Pan-American Exp. The only feeder adopted by Experiment Stations.

Satisfaction guaranteed. Easiest to operate and clean. No valves to get clogged or foul.

Prevents Scours.

Weans perfectly. Calves take to it like a baby to the bottle.

It's Nature's Own Way.

Extra gain on one calf pays for two feeders.

Over 50,000 in Use.

More than all others combined.

Nipples are reinforced without seams.

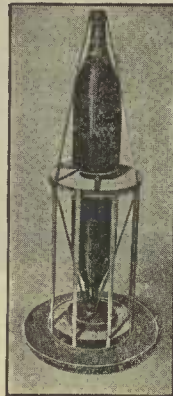
Durable, Simple, Economical, Scientific and Practical.

Price, \$5.00.

Our Cow's Relief is guaranteed to cure caked bag in 12 to 24 hours. Heals chapped or cracked teats, sores, scratches, etc. Sample box by mail for 50 cts. "22 Valid Reasons Why You Should Use a Feeder," free.

O. H. MFG. CO., DEPT. LYNDON, VT.

### LATHROP'S Poultry Fountain, Grit and Shell Feeder.



Pat. March 4, 1902.

Can be used for water or grain. Always clean and ready for use. You will like it when you see it. This is one of the best chick feeders for Wyandotte Feed.

Price, only \$1.00.

### BUTLER STEEL HAND CART.

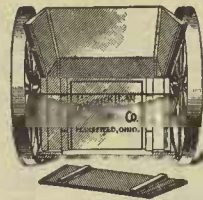
No. 1, \$8.00

No. 3, \$13.00

No. 2, \$9.50



For the business man in every line this cart is indispensable. The platform hangs low; rides level.



Sides and ends 12 inches high, extend upward and outward from the regular cart box, making a very useful rig for handling leaves, trash, grass, ensilage, etc. Capacity 2 1/2 cubic feet, or about 14 bushels.



This can be used continuously around the farm, garden or house. Box 26 ins. long, 25 ins. wide, 15 ins. deep inside. Capacity 11 cubic feet.



Will hold four milk cans and is in great demand in the creamery and dairy.

FILLS the want for a 2-wheel hand truck better than all others combined. It is not merely suitable for one special purpose but for all.

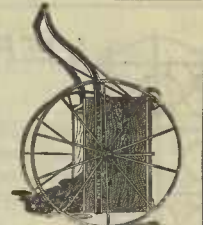
If you have use for a warehouse truck, the BUTLER fills that want. If you want a barrel cart, you have it in the BUTLER. While as a box cart for handling leaves, cut grass, trash, dirt, ashes, small grain, etc., it is your best friend. Merchants, printers, bakers, confectioners and hotels find it a great convenience for handling or delivering barrels, kegs, boxes, packages, etc. There is not a day around the farm, dairy, creamery, yard, garden or business house that it will not be in demand. It is light in weight, has great strength, and excels in general utility all other carts, and if numbers sold is any criterion of merit, this is unquestionably the cart of the future.



The side and end boards can be quickly detached. Easily loaded as a wheelbarrow.



Tips forward and picks up a barrel or heavy article same as a warehouse truck. No heavy lifting.



Will turn clear over and dump load without shoveling.

### Lathrop's Chick Feed and Water Device.

Operates Grain, Water and Soft Feed. Keeps it clean until all is consumed.

Patented April 8, 1902.

25c. each. \$2.50 doz.

### EUREKA WAGON JACK.



The best jack for light wagons and carriages made.

Price, \$1.25.

### Buckley's Patent Watering Device For Watering Stock In Stables.

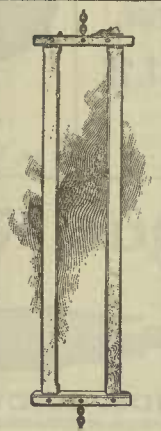
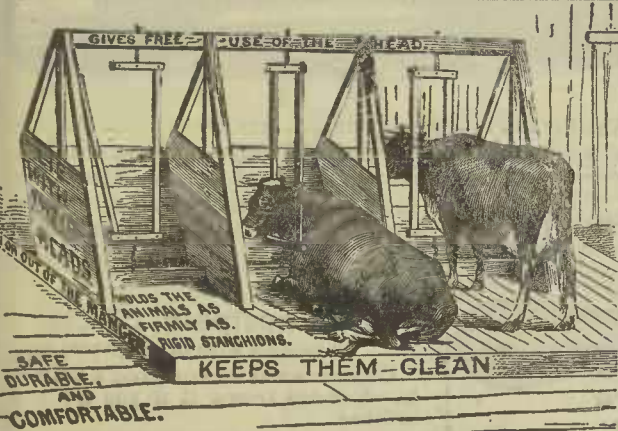


WATER IN THE STABLE IS A NECESSITY.

It has come to be regarded as a matter of necessity for the proper caring of stock, while in the stable, that they should have constant access to the water of suitable temperature. The Buckley process shown above is the most practical method of having it.

Plain, each, \$1.00; doz., \$11.00. With valve, \$1.25; doz., \$14.00.

### Warriner's Patent Chain Cattle Stanchions.

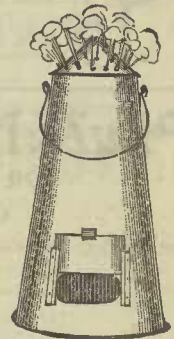


These Fasteners are in use in a large number of stables and give universal satisfaction. The cut shows the device; a short chain secures the fastener to the top beam so that it suspends 1 1/2" clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom, yet be securely fastened. It keeps them clean and gives liberty of action.

Price, each, \$1.25

Doz. lots, \$1.15 each.

### Eureka Fumigator.



Dampen the tobacco stems when using.

No. 1 1/2 peck, \$1.50

No. 2 " 2.00

No. 3 1/2 bu., 2.50

No. 4 1/2 " 3.50



### Smith's Patent Swing Cattle Stanchions.

Smith's Stanchion is more largely used than any other style and gives universal satisfaction. It is held in place by means of two turned hardwood pins, which allows the animals free use of their heads, yet it always keeps them clean.

Price, each, \$1.25. Doz. lots, \$1.15 each.

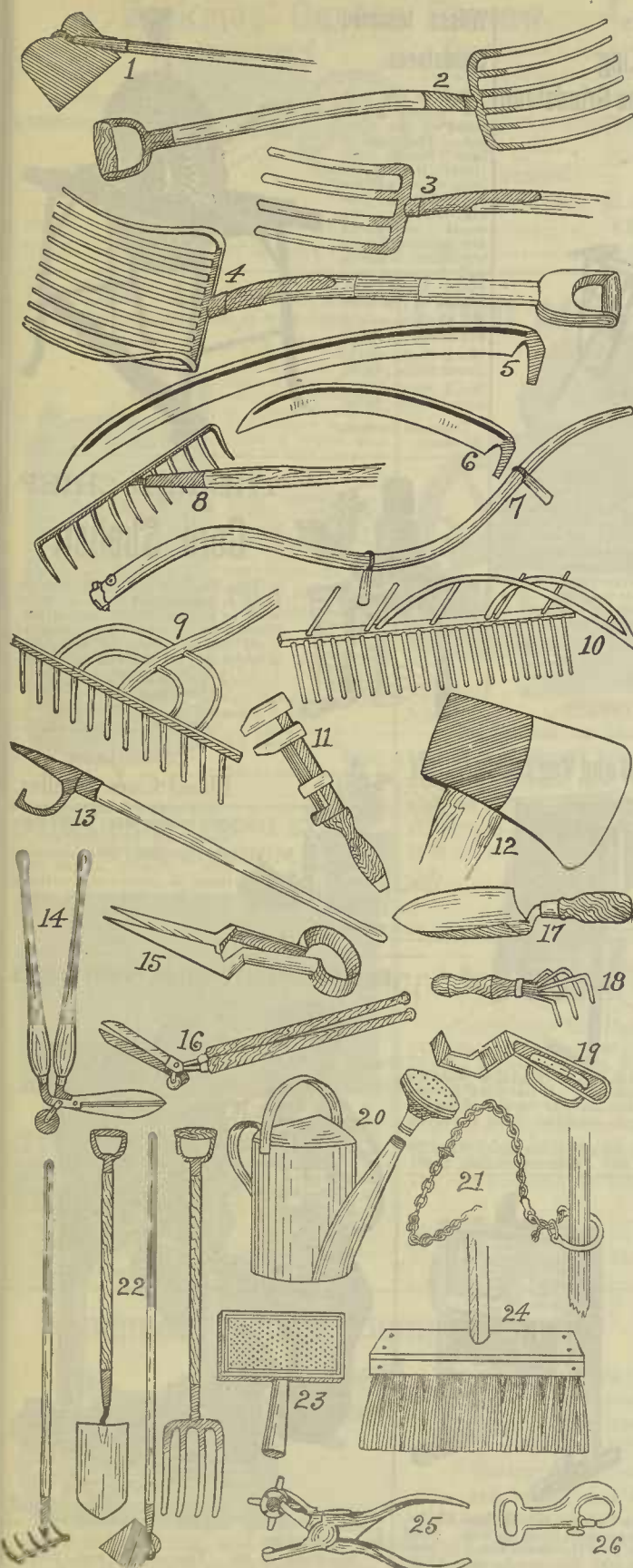






The following is a partial list of the large line of hand tools which we carry.

In ordering give name, number and size.



No. 1. Hoes.		Each.	No. 6. Bush Scythes .		Each.
7½-8 in. Field Socket		\$ .50	Ash		.75
7½-8 in. Field Shank		.45	Bush Snaths		.75
8 in. Meadow Socket		.55	<b>No. 7. Scythe Snath,</b>		
8½ in. " "		.55	Ash		
9 in. " "		.55	Bush Snaths		
9½ in. " "		.55	<b>No. 8. Steel Rake.</b>		
8 in. Meadow Shank		.50	12 Tooth, iron 30c.; steel		
8½ in. " "		.50	14 " " 35c.; "		
9 in. " "		.50	16 " " 40c.; "		
9½ in. " "		.50	<b>No. 9. Rake.</b>		
9 in. R. I. Socket		.55	2X, 3 Bow Bent		
Ladies'		.40	X, 3 Bow, Bent		
Boys'		.45	Lawn Rake, 28 Teeth,		
Square Top Onion		.45	Steel Bow XX, 50c.; Ex.		
9 in. Mortar		.70	No. 1		
10 in. " "		.75	<b>No. 10. Drag Rake .</b>		
<b>No. 2. Manure Forks.</b>			<b>No. 11. Wrench.</b>		
4 Tine, Long Handle, Strapped		.75	8 in. .25 10 in. .30		
4 Tine, Iron D Handle, Strapped		.80	<b>No. 12. Foster Axe. .</b>		
5 Tine, Iron D Handle, Plain		.95	Black Jacket Axe . . . 1.00		
5 Tine, Wood Handle, Plain		1.05	<b>No. 13. Cant Hooks. .</b>		
5 Tine, Long Handle, Strapped		.95	<b>No. 14. Lawn Shears. 2.75</b>		
5 Tine, Iron D Handle, Strapped		1.00	<b>No. 15. Grass Shears.</b>		
5 Tine, Wood D Handle, Strapped		1.10	.25 and .50		
6 Tine, Iron D Handle, Plain		1.05	<b>No. 16. Lawn Shears. 3.00</b>		
6 Tine, Wood D Handle, Plain		1.15	<b>No. 17. Garden Trowel.</b>		
6 Tine, Long Handle, Strapped		1.10	6 in., Steel . . . . . .20		
6 Tine, Iron D Handle, Strapped		1.10	<b>No. 18. Secor Weeder, .10</b>		
6 Tine, Wood D Handle, Strapped		1.25	<b>No. 19. Langs Weeder. .25</b>		
<b>No. 3. Spading Forks.</b>			<b>No. 20. Watering Pot.</b>		
4 Tine, Iron D Handle, Plain		.75	4 quart . . . . . .40		
4 Tine, Wood D Handle, Plain		.85	6 " . . . . . .50		
4 Tine, Iron D Handle, Strapped		.80	8 " . . . . . .55		
4 Tine, Wood D Handle, Strapped		.90	10 " . . . . . .60		
4 Tine, Long Handle, Strapped		.80	12 " . . . . . .70		
5 Tine, Iron D Handle, Strapped		1.10	16 " . . . . . .75		
5 Tine, Wood D Handle, Strapped		1.15	<b>No. 21. Cow Tie.</b>		
<b>No. 4. Coke Fork.</b>			3½ feet . . . . . .30		
10 Tine, 1½ in. between Tines		1.85	4 feet . . . . . .35		
14 Tine, 1½ in. between Tines		1.75	4½ feet . . . . . .40		
<b>No. 5. Scythe.</b>			<b>No. 22. Garden Sets.</b>		
Clipper		.80	1. 3 pieces . . . . . .10		
Foster, all steel		1.00	2. 3 pieces . . . . . .15		
Solid steel		.90	3. 3 pieces . . . . . .25		
Black Hawk		1.00	4. 4 pieces . . . . . .50		
<b>No. 6. Bush Scythes .</b>			<b>No. 23. Cattle Card.</b>		
<b>No. 7. Scythe Snath,</b>			No. 1, large leather, bound		
Ash		.75	No. 2, large leather, not bound		
Bush Snaths		.75	No. 3, small leather, bound		
<b>No. 8. Steel Rake.</b>			No. 4, small leather, not bound		
12 Tooth, iron 30c.; steel		.50	<b>No. 24. Rattan Bush Broom.</b>		
14 " " 35c.; "		.55	5 row, 14 inches . . . . . .50		
16 " " 40c.; "		.60	5 row, 16 inches . . . . . .55		
<b>No. 9. Rake.</b>			6 row, 16 inches . . . . . .60		
2X, 3 Bow Bent		.40	<b>No. 25. Revolving Harness Punch</b>		
X, 3 Bow, Bent		.30	4 Tube . . . . . .50		
Lawn Rake, 28 Teeth,			5 Tube . . . . . .60		
Steel Bow XX, 50c.; Ex.			<b>No. 26. Harness Snaps.</b>		
No. 1		.40	.03 to .08		



### The Hecla Oak Frame Grindstone

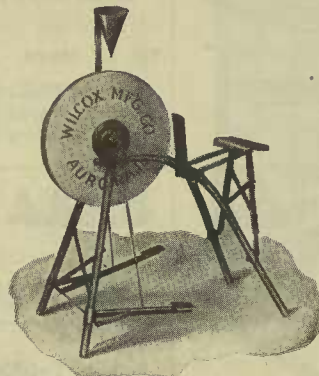


This stone we have made for us, and it is as good a stone as money will buy. It is furnished with a best Nova Scotia stone, the frame is very strong and made of oak, has both crank and foot treadle, with trough and protector.

Size 22 in. ....	List price, \$ 8.50	Net price, \$7.25
" 24 in. ....	" 9.00	" 7.75
" 26 in. ....	" 9.50	" 8.25
" 28 in. ....	" 10.00	" 8.75
" 30 in. ....	" 10.50	" 9.25

No. 025

### Wilcox-King Tubular Steel Frame Grindstone



Adjustable seat, 4" to 5" vertically. Stone movable forward and back on frame. Frame being slightly flexible it adjusts itself to uneven floor or surfaces. Rigid and easily set up. Bi-Treadle, with power properly applied. Hinged connection with ball-bearings on crank. Ball-bearings in journals. Frame is narrow at top making it convenient to apply power, and spread at base giving greatest rigidity.

Crated complete, with face of stone protected.

Price, No. 3, 60 lbs. ....	\$5.00
" 1, 100 " .....	5.50

Discount for cash, 50c.

### Wilcox Mounted Grindstones.

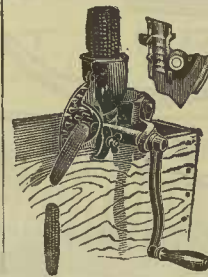
This is the best low priced grindstone on the market. The stone is best Berea Grit (Ohio), the legs are iron, which will not rot if left out during haying, the wood side-pieces are painted bright vermilion. Runs on ball bearings, and every stone warranted to run true.

- No. 1. Stone weighs about 100 lbs., \$5.00
- No. 2. Stone weighs about 80 lbs., \$4.50
- No. 3. Stone weighs about 60 lbs., \$4.00.

Discount for cash, 50 cents.



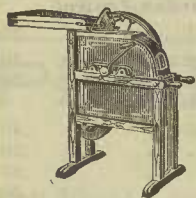
### THE RED CHIEF Corn Sheller.



This Sheller, although low in price, is guaranteed to do as good work as any sheller on the market. Clamps to barrel or box; adjusts itself to any size of ear; has attachment for shelling pop corn.

Price Plain, \$2.00.  
Attachment, \$ .25.

25 cents discount for cash.

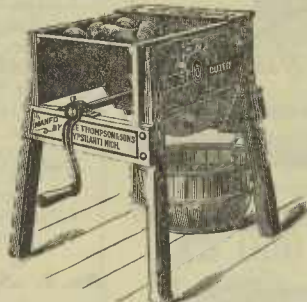


### Wisconsin Valley Corn Sheller.

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.

Price, \$7.00.  
Discount for cash, 50 cts.

### The Banner Root and Vegetable Cutter



The "Banner" Root Cutter 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.

Price No. 20. Hand power, capacity 30 to 50 bushels an hour, \$11.00. Discount for cash, \$1.00.

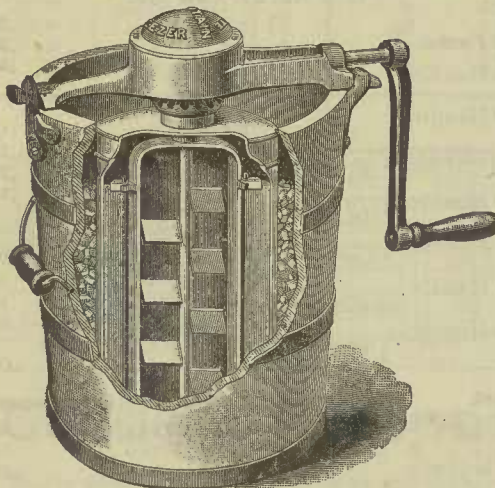


### CAST-IRON Hand Corn Sheller.

For convenience and general utility this little corn sheller will be found one of the handiest tools imaginable. It is so simple that there is absolutely nothing about it to get out of order, and so strong that it will not break. Net price, \$1.50.

Discount for cash, 25 cents.

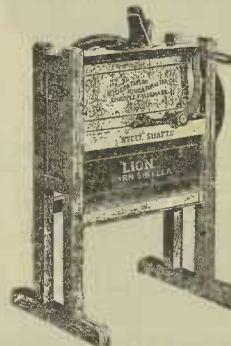
### White Mountain Ice Cream Freezer



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, \$2.00	10 quart, net price, \$5.50
3 quart, " 2.25	12 quart, " 7.00
4 quart, " 2.65	15 quart, " 8.50
6 quart, " 3.25	20 quart, " 10.75
8 quart, " 4.50	25 quart, " 13.50

### Lion Corn Sheller



Made with a heavy Balance Wheel, Steel Shafts. Adjustable Iron Hopper with Steel Springs. Solid Side Bearings, which hold the shafts firmly in position. Retail price, \$12.00. Discount for cash, \$2.00.

### No. 7 Banner Root Cutter for Poultry Keepers

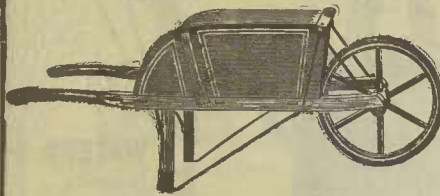


Cuts all kinds of Roots, Beets, Carrots, Turnips, Potatoes, Apples, etc., leaving them as fine as shavings.

Net Price, \$5.00. Discount for cash, 25c.



### Beekman Garden Barrow.



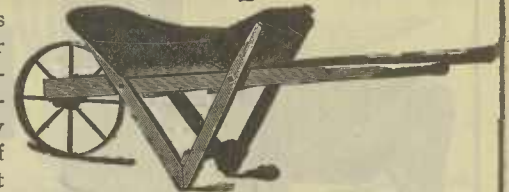
This barrow is made of hardwood but not all oak; it is well made, all parts being bolted or screwed. Our best seller.

**PRICES.**

- No. 2. Boys' Size, \$3.00
- No. 4. Medium Size, for garden,..... 3.25
- No. 6. Large Size, for farmers,..... 3.50

### 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

### The "Goshen" Galvanized Tank Heater.

Adapted for either Steel or Wood Tanks.

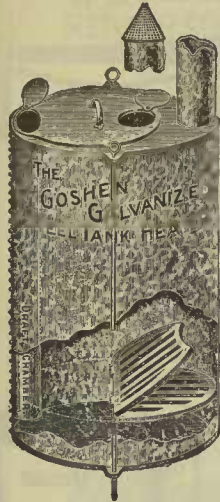
**A FEW GOOD POINTS.**

It has no inside bolts or rods to rust out; no solder to melt; no pipes to freeze up and burst; not injured if water gets low in tank; can be used as a stove with perfect safety; heats water quickly and cheaply; draft perfect and easily regulated; radiates heat from its entire surface; burns anything.

**MADE IN TWO SIZES.**

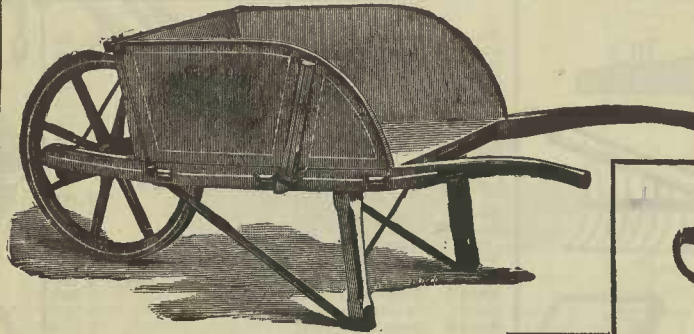
Complete heater includes one 24-inch joint of Galvanized Stack, Damper, Spark Arrester, Shovel, Poker, and two Metal Rods with screw points.

- LIST PRICE.
- No. 2, complete, \$6.00
- No. 1, complete, \$7.50



### Lawn or Garden Wheelbarrow.

**CUSTOM MADE.**



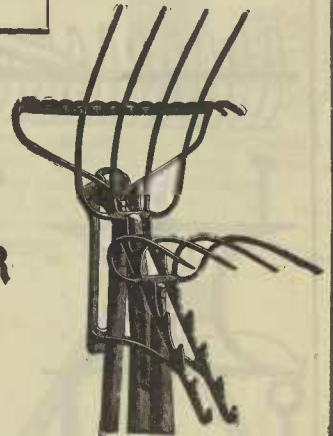
This barrow we have made for us and is especially designed for our retail trade. It is made entirely of oak, is handsomely painted and varnished, and is put together with bolts and screws. Has a high wheel with eight spokes. It is an ornament to any garden. One size only.

No. 4. Price, \$4.25

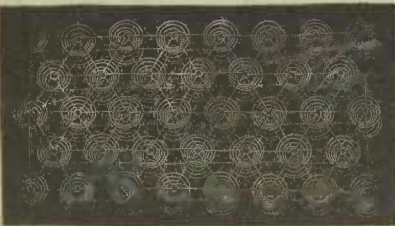
Designed for Store or Stable. Made in three styles for Shovels, Hoes or Forks. Combination Racks for stores can be used for all.

Price, each, 50 cents.  
Dozen, \$5.00.

### HAGER TOOL RACK.



### THE UNION SPRING STEEL WIRE CUSHION.



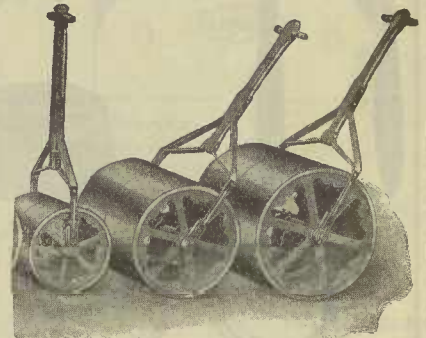
The best in the market for wagons, carriages, barges, etc. Made any size in length or width. Can be used either side up, and are hooked together so they cannot get out of order. They are placed on the seat and are used with only a thin cushion or a blanket on them, and in wet weather can be used alone.

**PRICES.**

- 14-Inch, \$1.25; 18-Inch, \$1.50; 42-Inch, \$3.00
- Other Sizes Made to Order.

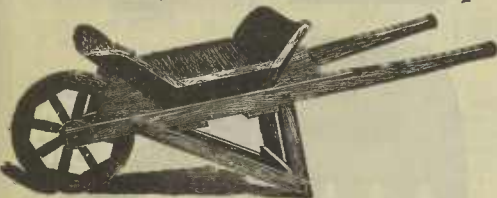
### L. R. LAWN ROLLER.

To keep your lawn smooth and prevent drying up you must roll it, especially in the early spring and it should be rolled often during the season. The surface of this roller is turned perfectly smooth with edges beveled to prevent cutting the grass roots. It is finished in aluminum and is very handsome. Designed not only for Lawns but for Tennis Courts, Golf Links, Polo Grounds, etc. We carry in stock two sizes only, but can furnish other sizes.



	Weight	List price	Net price
No. 7—2 section 20 x 20	215 lbs.	\$14.00	\$10.00
No. 8—2 section 20 x 24	245 lbs.	15.00	10.50

### Common Bolted Dump Barrow.

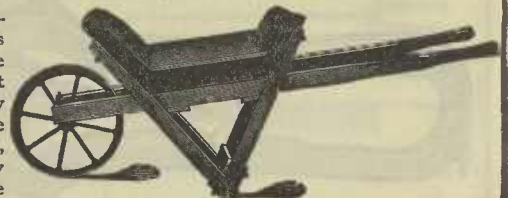


This is a much better made barrow for the price than is usually sold. The legs and braces are bolted, has a good wood wheel

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















# LAWN GOODS OF ALL KINDS.

## The Knollwood Ball Bearing High Wheel Spade Handle Lawn Mower

A Machine that possesses all the good qualities of other styles.



A 20-in. Machine of this make runs as easy as a 12-in. of the old style, and a Handle made to fit your hands.

WE offer our customers this machine not as an experiment, but as a guaranteed article, one that we have tested ourselves during the past 6 years. This machine runs on ball bearings (and all first-class machines ought to). The balls used are of the very best quality, and will last for years. They are enclosed in steel cups which protect them from wear. The main axle is steel and lathe fitted and is adjusted as nice as any high priced piece of machinery. The end of the axle where it comes in contact with the balls is cone shaped, and any possible wear can be easily taken up. The machine has a nine-inch wheel, four knives of the best quality of steel and, last but not least, a **handle that is made to fit your hand.** (See the spade handle in cut). After giving you the best mower it is possible for us to get, we have put on to it a handle we have all been looking for. With this Spade Handle the operator has perfect control over the machine and can handle it perfectly on a side hill or on narrow borders. While this machine is the best on the market for private homes, it is especially adapted for parks, cemeteries and large lawns, and to that class of buyers we will make special prices in quantities.

14-inch.....	\$7.00
16-inch.....	7.25
18-inch.....	7.50
20-inch.....	7.75

We make a specialty of sharpening LAWN MOWERS. Called for and delivered promptly in the city. Price \$1.00. Out of town parties shipping machines be sure and have their name on tag.

## THE ROYAL GOLF MOWER



Since golf was introduced into this country, there has been a great demand for a mower that will cut grass close and even and one that will run easily and be durable. It was this machine that made the English golf grounds famous, and as the machine has been thoroughly tested on some of the largest golf links in the world, we offer it to our customers with perfect confidence. It has five revolving knives running at high speed and cuts very close to the ground.

PRICES, TWO SIZES ONLY.

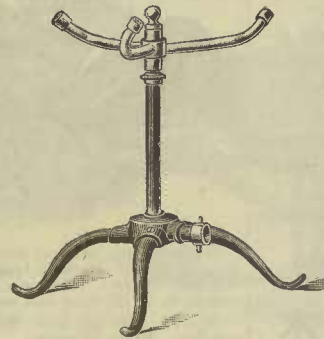
16-inch.....	\$7.00	18-inch.....	\$7.50
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## Cleveland Lawn Weeder.



The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant and a slight pull suffices to dislodge it without disturbing the surrounding soil. Price, only \$1.00.

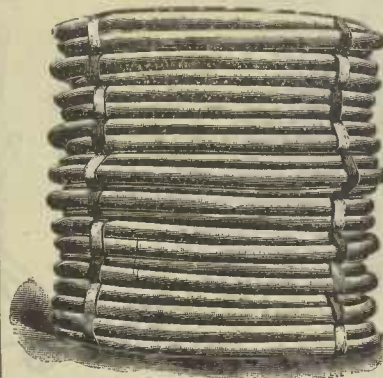
## THE COLUMBIA Revolving Lawn Sprinkler.



This is one of the most durable as well as one of the best Lawn Sprinklers on the market. The base is heavy cast iron, which prevents it from tipping over, and the legs may be unscrewed and the arms removed, and all come packed in a very small box. This is a first-class article at a low price.

Price, \$1.25

## Rubber and Cotton Hose.



Our Hose is all made expressly for us by the most reliable manufacturer in the state and every piece is warranted, but it is economy to buy the best grade, as it will last several years.

### PRICES

	1/2-Inch	3/4-Inch
Bull Dog, 7 Ply	11	14
Tiger, 6 "	9	12
Leader, 5 "	8	10
Cotton,	11	13



# Rossmoyne Style C Lawn Mower

NINE INCH WHEELS

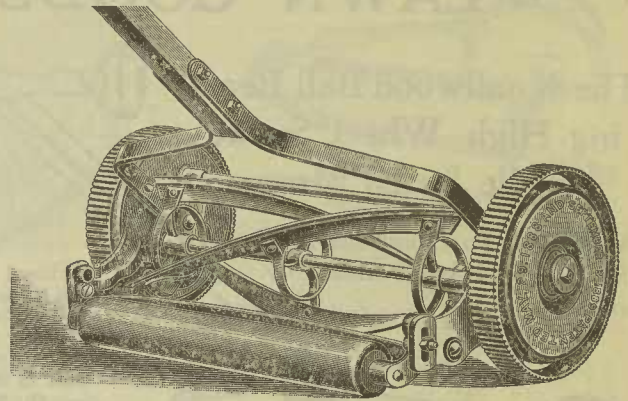


This machine has four knives, high wheels. It runs on ball-bearings of the same quality as those used on other machines. It is a first-class, medium-price mower. All the parts are fitted on a lathe, and we warrant every machine we sell. For a medium-price machine, you will make no mistake in buying this one.

—Net Prices.—

12 inch, \$5.00; 14 inch, \$5.25; 16 inch, \$5.50; 18 inch, \$5.75; 20 inch, \$6.00.

# THE LITTLE GIANT LAWN MOWER.

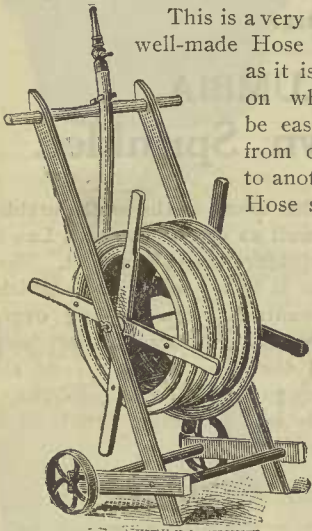


For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut, we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as a high-grade machine, and, being a light-running mower, is preferred by many to the higher grade styles. We warrant every machine and never have 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.

## 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.



## Bieder Adjustable Grass Catcher.

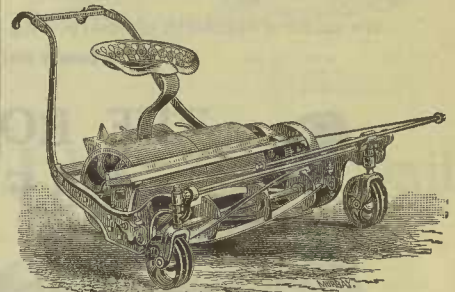


Gathers grass without the use of a rake, and without time or labor. Made of bright striped canvas on a galvanized frame. They are adjustable in height and width, to fit all sizes and makes of mowers.

No. 7. Fits all Low Wheel Mowers, 18 inches and smaller. Price, 75 cents.

No. 13. Fits all High Wheel Mowers, 24 inches and smaller. Net price, \$1.00.

## 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. 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. We fully guarantee them in every particular. The Horse Lawn Mower is made in Three Sizes, 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

Discount, 40 per cent. Cash with order, 5 per cent. extra.

## Flower Bed Guards.



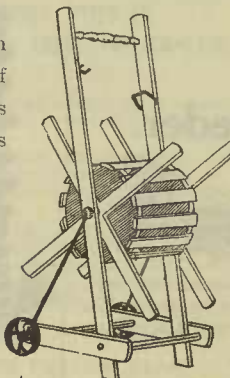
All made up ready to use. The only guard of its kind. Can be shaped to any bed. Keeps out cats and dogs. Ends of wickets are forced in the ground, making it rigid. The hand-somest and most durable guard made. Also used for Corners of Lawns and Cemetery Lots.

Heights, 16 and 22 inches.

16 inch, 10 cents per running foot.  
22-inch, 12 cents per running foot.

## Common Sense Hose Reel.

No kinks in the hose if you use this reel. Holds 100 feet.



Price, \$1.85.

## ARCTIC LAWN SWING.

The Arctic Lawn Swing and Hammock with or without Awning.

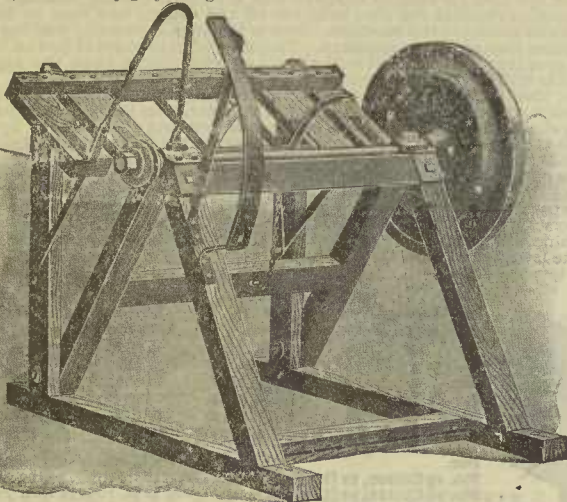
As a swing this affords a most comfortable lounging place you can think of. The backs of the chairs are adjustable and can be set up straight or inclined at as great an angle as you wish. Price, with awning, \$7.00, without awning, \$6.00. If not set up, 50 cts. less.



THE ARCTIC LAWN SWING AND HAMMOCK WITH AWNING ATTACHMENT



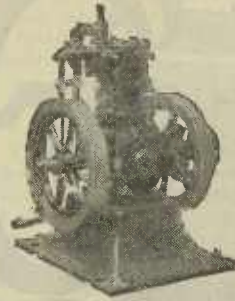
**Ross Wood and Pole Saws.** All wood saws are made to drop the wood on the right hand side, unless otherwise ordered. We carry only the best selling size in stock; other sizes will be shipped from the factory. Discount on sizes in stock, 40 per cent; when shipped from factory, 40 and 5 per cent. The extra 5 per cent, will nearly pay freight.



**TILTING TABLE WOOD SAW.**

The above will give you an excellent idea of the high type of these saws. They are made of good material throughout, and are built in a thoroughly workmanlike manner in every respect. The arbors are of steel, the bearings long and well babbitted. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner. It has a tilting table pivoted so that it balances perfectly, and is therefore a great favorite with the sawyer. Prices, Tilting Table Wood Saws: 20 in. \$40.00; 22 in. \$42.50; 24 in. \$45.00; 26 in. \$47.50; 28 in. \$50.00. Discount 40 per cent.; 5 per cent. cash with order. Prices, Tilting Table Pole Saws. 20 in. \$47.50; 22 in. \$50.00; 24 in. \$52.50; 26 in. \$55.00; 28 in. \$57.50. Discount 40 per cent.; 5 per cent. cash with order. Ask for price on sliding table saws.

# Greendale Gasolene Engine



Since Gas Engines have been on the market we have been looking for one that we could recommend with perfect confidence to our customers as being a first-class machine. The Greendale is made here in Worcester and the manufacturers are thoroughly reliable parties, and it has been tested by several of our leading farmers in this country. It may be economy in some lines of tools and under certain circumstances to buy cheap or low priced goods, but on an engine the best is none to good. Where your life is endangered, never take any chances by buying simply because you can save a few dollars. You may be able to save \$50.00 or \$75.00 in buying some other make, but it is liable to prove expensive and perhaps dangerous in the end.

This engine has the simplest and most effective self starter of any Gasolene Engine made. It starts instantly without any exertion on the part of the operator. No mechanical parts to wear out and always ready for use. It also has an automatic friction pulley very simply and substantially made. With this pulley, the engine is free to start, but takes up the load gradually. List price, 3 1/2 horse-power, \$175, discount for cash, \$17.50; 5 horse \$250, discount for cash, \$25; 7 horse, list \$300, or discount for cash, \$30; 15 horse, \$445, discount for cash \$45. At these prices we furnish a man to set up and start.

## Goshen Round and Square End Steel Tanks.

FOR STOCK OR TOWERS. SEND FOR COMPLETE PRICE LIST.

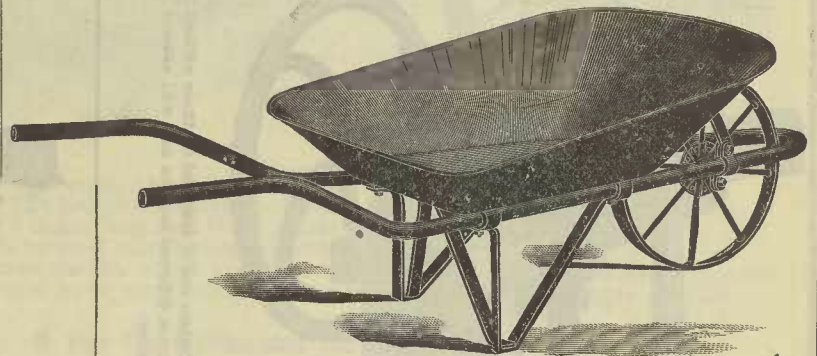
Goshen Tanks are made of No. 20 Galvanized Steel. The workmanship is first-class in every way. The measurements are outside. Covers can be furnished at about 20 cents per square foot. There are no so many sizes made, and as all tanks are shipped set up, we do not carry all sizes in stock, but can guarantee prompt shipment from factory, and we offer a liberal discount which will cover freight charges to nearly any freight station east of the Mississippi River. We can also furnish any size or style of tank either set up or flat. Send for complete list, with discount.



## Round End Stock Watering and Storage Tanks.

No.	Width.	Height.	Length.	Capacity.	Price.
101	2 ft.	2 ft.	4 ft.	3 3/4 bbls.	\$ 7 00
102	2 ft.	2 ft.	5 ft.	4 3/4 bbls.	8 70
103	2 ft.	2 ft.	6 ft.	5 3/4 bbls.	10 25
104	2 ft.	2 ft.	7 ft.	6 1/2 bbls.	11 25
105	2 ft.	2 ft.	8 ft.	7 1/2 bbls.	12 25
106	2 ft.	2 ft.	10 ft.	9 1/2 bbls.	15 00
107	2 ft.	2 1/2 ft.	8 ft.	9 1/2 bbls.	14 00
108	2 1/2 ft.	2 ft.	8 ft.	9 1/2 bbls.	13 00
109	2 1/2 ft.	2 ft.	10 ft.	12 bbls.	16 80
110	2 1/2 ft.	2 1/2 ft.	8 ft.	12 bbls.	15 00
111	3 ft.	2 ft.	8 ft.	11 1/2 bbls.	14 00
112	3 ft.	2 ft.	10 ft.	14 bbls.	17 50
113	3 ft.	2 1/2 ft.	8 ft.	14 bbls.	16 00
114	3 ft.	2 1/2 ft.	10 ft.	18 bbls.	20 00
115	3 ft.	3 ft.	10 ft.	21 bbls.	23 75
116	4 ft.	2 ft.	8 ft.	15 bbls.	18 00
117	4 ft.	2 ft.	10 ft.	19 bbls.	21 50
118	4 ft.	2 ft.	12 ft.	22 bbls.	25 75
119	4 ft.	2 ft.	14 ft.	26 bbls.	29 50
120	4 ft.	2 ft.	16 ft.	30 bbls.	34 00
121	4 ft.	2 1/2 ft.	8 ft.	17 bbls.	20 00
122	4 ft.	2 1/2 ft.	10 ft.	24 bbls.	24 00
123	4 ft.	2 1/2 ft.	16 ft.	38 bbls.	38 00

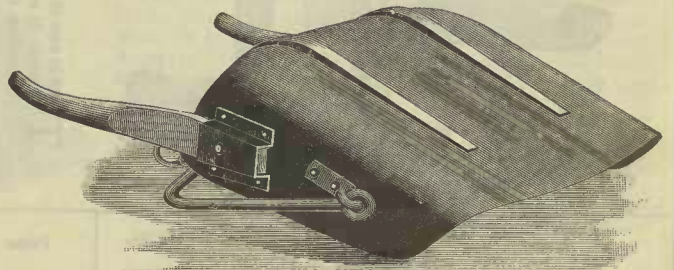
## TUBULAR STEEL BARROW. THREE CUBIC FEET.



Tubular Steel Barrow with Pressed Steel Bowl. Each, \$5.

## Boss Steel Scraper, with Runners.

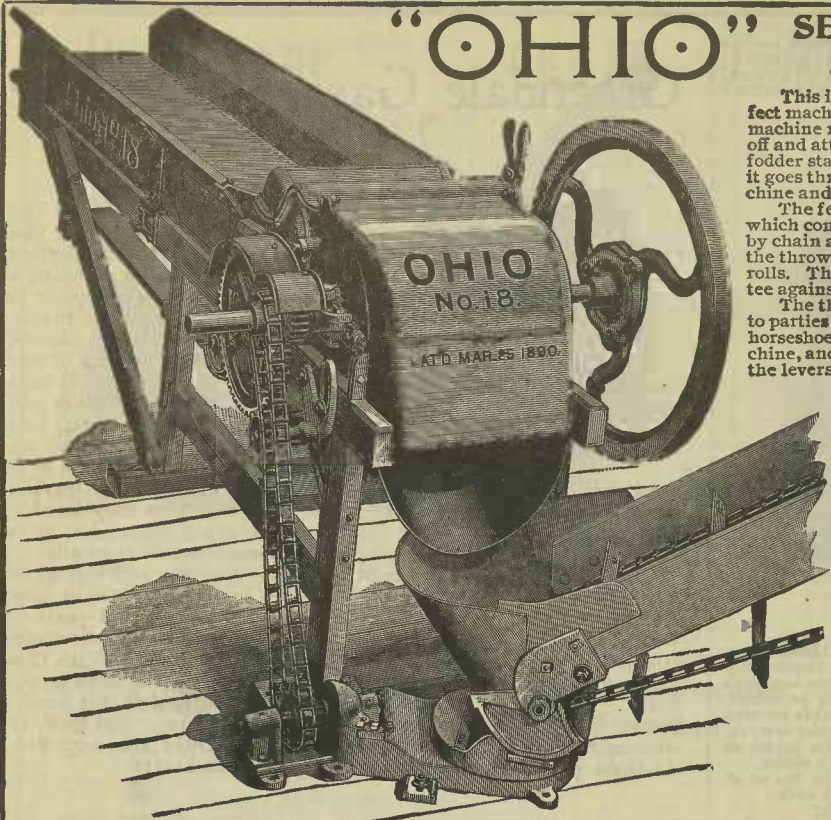
PRESSED STEEL BOWL.



No. 0.	carries 10 feet of earth	\$13.00
No. 1,	" 7 " "	7.00
No. 2,	" 5 " "	6.50
No. 3,	" 3 " "	6.00
No. 0.	Riveted Bowl	10.00



# "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 gear 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, 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, 3/4, 1	5 to 8	4 to 6	\$ 95.00
16	4	16	1/2, 3/4, 1	8 to 10	6 to 8	125.00
18	4	18	1/2, 3/4, 1	10 to 13	6 to 10	155.00
20	4	20	1/2, 3/4, 1	15 to 20	8 to 12	250.00
24	4	24	1/2, 3/4, 1	20 to 25	10 to 12	300.00

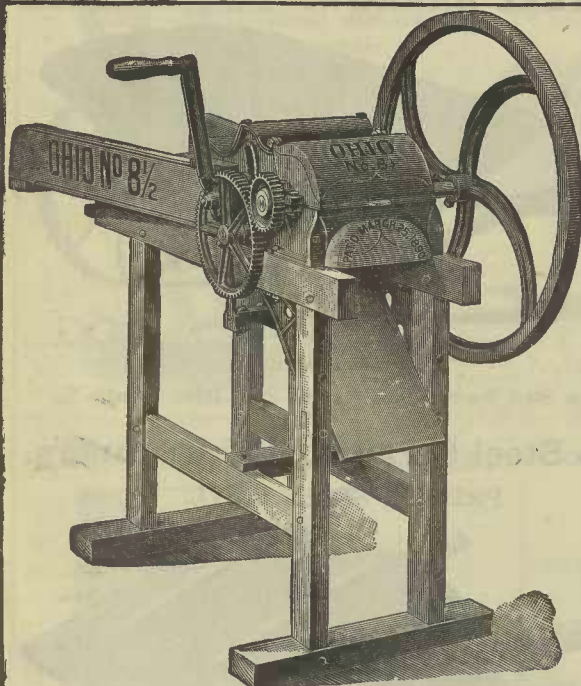
### NEW METAL-STRIP SWIVEL CARRIERS.

#### 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

We also carry in stock the No. 11 and No. 13 Cutters with Standard table. These are both Power Cutters and are equal in every way to the above only they do not have the travelling table but list at a much lower price.

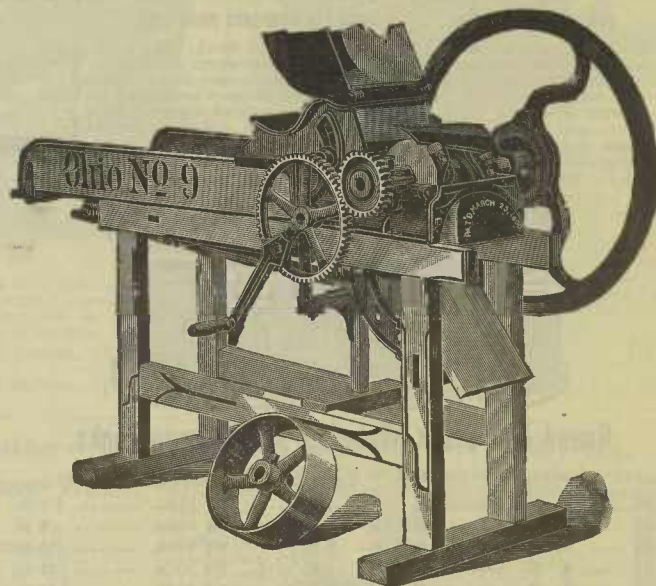
No. 11 Cutter, 4 knife. List, \$45.00  
 No. 13 Cutter, 4 knife. List, 65.00



THIS is one of the best Hand Cutters and is designed for those without power. It can be changed to cut different lengths and will answer for cutting for stock and poultry.

Nos. 8 1/2 and 10 1/2 HAND POWER CUTTER.  
SIZES AND PRICES.

No.	Length of Knives, Inches	Number of Knives	Lengths of Cut, Inches	Price
8 1/2	8 1/2	1	1/2, 3/4, 1 1/4	\$18.00
8 1/2	8 1/2	2	1/2, 3/4, 3/4	20.00
10 1/2	10 1/2	1	1/2, 3/4, 1 1/4	23.00
10 1/2	10 1/2	2	1/2, 3/4, 3/4	25.00



No. 9 HAND OR POWER CUTTER.

THIS is a medium size cutter adapted for farmers having a large herd to cut food for and can be run by hand to good advantage when for any reason they do not want to get up steam. It is our best seller for hand work.

#### SIZES AND PRICES.

No. 9. With safety fly wheel and pulley, two knives..... \$25.00  
 No. 9. With safety fly wheel and pulley, four knives..... 40.00  
 When furnished with extended knife shaft to place fly wheel or pulley on either side, extra, list..... 2.00

Ask for Catalogue and Price.



# THE HARDER SILO

The only silo made that has all tight doors, and the recent decision of the Court protecting the Harder patents ought to convince any one in want of a silo that the **HARDER** is the one to buy. The **HARDER** silo is the easiest one to erect of any. We furnish full instructions, and as every stave is numbered, it is a very easy matter to put them together. Even men with no experience whatever of carpenter work can erect one of these silos without any difficulty. One of the principal features of the **HARDER** silo is the malleable



## IRON LADDER

This ladder is made of very heavy iron girders (see illustration), which project about eight inches away from the front of the silo, affording ample room for a secure footing. There is a small flange



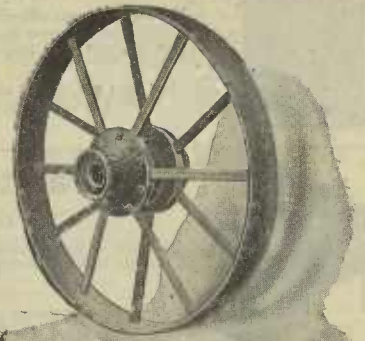
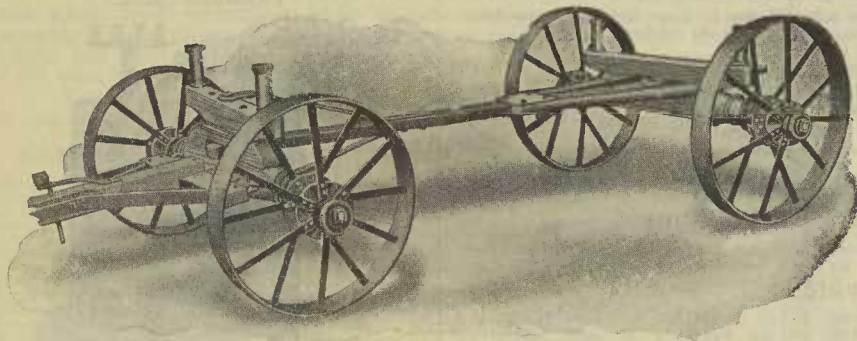
A Silo with a Ladder

on the outer edge of the girder which makes it next to impossible to slip, even in wet or icy weather. The bridge, which projects from the main part of the girder and thus gives added strength, forms what is called the "round" in an ordinary ladder. We can furnish any size wanted in either pine, cypress, or hemlock.

COMPLETE PRICE LIST WILL BE MAILED ON APPLICATION

# FARM WAGONS WITH METAL WHEELS.

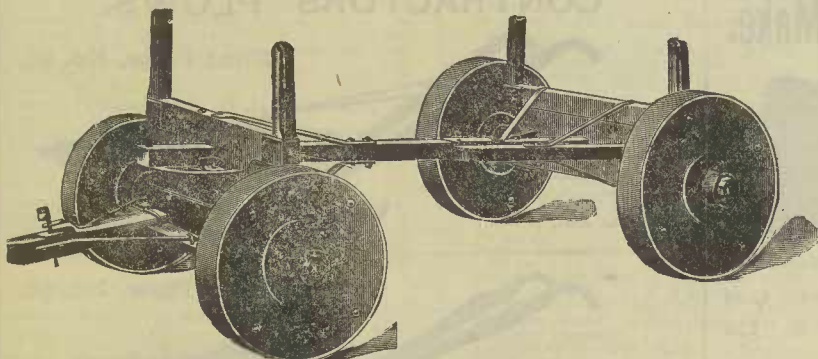
CAPACITY  
5000 POUNDS



These wagons are built throughout of well selected hardwood, durable and strong. The axle is 4 x 5 inches, and fitted with cast skeins. The bolsters are furnished with hollow iron stakes, as shown in cut. The reach is 9 feet 5 inches long, and is adjustable. The wheels, which are the life of any wagon, are made of steel throughout, with the exception of the box, which is cast iron and is the most durable wheel made, size 28 inch front, 32 inch rear, and 4-inch tire. There is no body furnished. One of these wagons should be on every farm. They make the best ensilage wagon possible.

Enlarged Cut of Wheel used on Old Farm Wagons

PRICE, \$40.00. 5 Per Cent Discount for Cash



## No. 9 HANDY WAGON

Two-horse, short-turn style, wheels turn under load. Standard track—narrow, 4 feet 8 inches wide; wide, 5 feet center to centre of tires on ground. Bolsters 38½ inches between stakes on narrow track; 42 inches on wide track. Prices include pole and wrench only.

Catalog No.	Wheels		DESCRIPTION			List Price.
	Front.	Rear.	Tires.	Size Skein.	Size Axle.	
101	24"	28"	6	3½ x 7	3 x 4½	4000 \$34.00
102	26"	30"	6	3½ x 7	3 x 4½	4000 36.00
103	28"	32"	6	3½ x 7	3 x 4½	4000 42.00

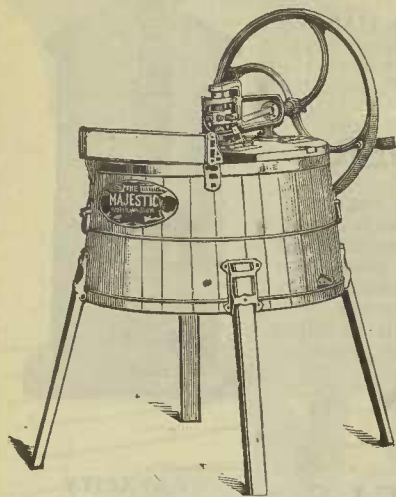
Write for Special Circulars

Body can be made by any carpenter, and this makes the best logging rig obtainable.

This style especially designed for Logging. Complete Catalog will be mailed showing other styles and sizes



# The Majestic Rotary Washers

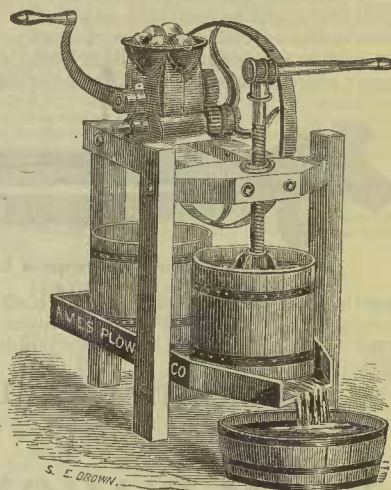


This is, without doubt, the lightest running washing machine on the market. The ball bearings and balance fly wheel almost make it run itself. The tub is made of well seasoned Virginia white cedar with a flat hoop at the top and electric welded wire hoops in the middle and at the bottom sunk in a groove so that they cannot come off. There is nothing on the inside to catch and tear the clothes. This is a household necessity.

PRICE, \$7.00.  
Discount for cash, 50c.

# 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 Net  
Price. Price.  
Two Curbs, \$20.00 \$17.00

## 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. For out-door use only as it has no grate.

PRICES.  
33 Gal. list \$14.00 net cash price \$9.75; 48 Gal. list \$16.00 net cash price \$11.50  
65 Gal. list \$20.00 net cash price \$14.50  
Other sizes furnished if desired.

## "Granite State" Water Heater. For Butchers and Milkmen.



Boilers of galvanized steel; furnace of gray iron castings and sheet steel; sides of double thickness of steel with hot air space between.

PRICES.  
25 gal. \$15.00; 30 gal. \$16.50; 40 gal. \$19.50; 50 gal. \$21.00; 65 gal. \$22.50;  
75 gal. \$24.00; 100 gal. \$27.00.  
Discount for cash, 10 per cent.

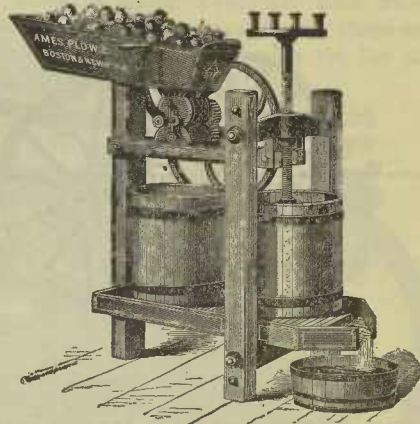
## PECKHAM CALDRONS.



An Indispensable Article on any Farm. Seven sizes.

STYLE.	15 Gal.	22 Gal.	30 Gal.	45 Gal.	60 Gal.	90 Gal.	120 Gal.
Furnace and Caldron, wood	\$12.25	\$15.25	\$18.75	\$21.75	\$25.00	\$44.00	\$57.50
Caldron	3.50	4.50	5.25	7.00	8.00	15.00	21.50
Cover, extra	1.25	1.75	2.00	2.25	2.50	4.00	5.50

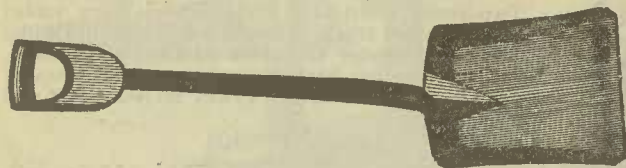
## NATIONAL CIDER MILL. FARMERS' SIZE.



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.

List Price, \$28.00. Net Price, \$23.00.

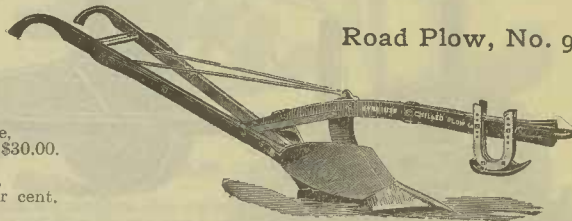
## Shovels Following are all Ames' Make.



	Each.	Doz.		Each.	Doz.
No. 2, Ames' Special, D. H., square	\$1.15	\$12.00	No. 2, Sunnyside, D. H., square,	.80	\$7.50
No. 2, Ames' Special, D. H., round,	1.15	12.50	No. 2, Sunnyside, D. H., round,	.85	7.75
No. 2, Our Best, D. H., square,	.90	8.00	No. 3, 4, 5 and 6, add 5 cents each.		
No. 2, Our Best, D. H., round,	.90	8.25	No. 2, Champion Strapped Back, D. H., sq.,	.65	7.00
No. 3, Our Best, D. H., square,	.95	8.25	No. 2, Champion Strapped Back, D. H. r'nd,	.65	7.00
No. 3, Our Best, D. H., round,	.95	8.50	Black finish 25 cts. per doz. less.		

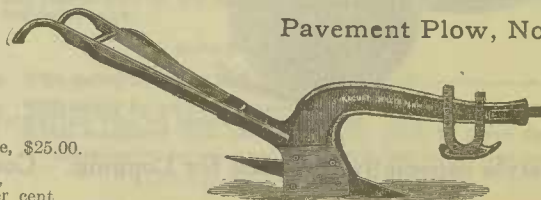
## CONTRACTORS' PLOWS.

Road Plow, No. 99.



List price, \$30.00.  
Discount, 20 per cent.

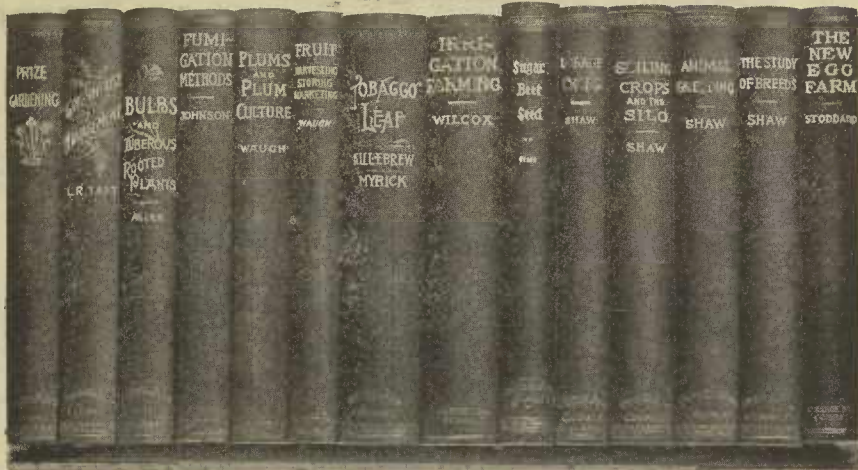
Pavement Plow, No. 98.



List price, \$25.00.  
Discount, 20 per cent.



# PRACTICAL FARM BOOKS



For  
Farmers  
Gardeners  
Florists  
Architects  
Sportsmen

Stock Raisers  
Fruit Growers  
Housekeepers  
Mechanics  
and  
Students

THE presence of a select library of standard agricultural books in the home of a farmer lends a certain air of distinction and refinement and at once stamps the owner as alert, active, progressive, and abreast with the times.

We present, herewith, a partial list of the best books treating on every phase of agricultural and rural life. They have been prepared by the most eminent authorities on their respective specialties, and are thoroughly practical, while at the same time scientifically accurate. To the progressive farmer who desires to keep posted upon the latest investigations of his chosen business these books are invaluable, and there is no investment that will pay such big returns as a few books that will give you the information you need just when you want it.

The prices are exceptionally low when you consider their high character and the excellent manner in which they are printed, bound and illustrated. We will furnish any of these for the advertised price, postage prepaid.

## GENERAL FARM BOOKS

A B C of Agriculture, Weld.....	\$ .50
American Farm Book, Richard L. Allen.....	2.00
Manual of Agriculture, Emerson and Flint.....	1.00
Chemistry of the Farm, R. Warrington.....	1.00
Farm Appliances.....	.50
Fences, Gates and Bridges.....	.50
Farm Conveniences.....	1.00
Our Farm of Four Acres.....	.39
Fungi and Fungicides, Prof. Clarence M. Weed.....	1.00
How Crops Grow, Prof. Samuel W. Johnson.....	1.50
Peddler's Land Measurer for Farmers.....	.50
Forage Crops Other Than Grasses, Thomas Shaw.....	1.00
How Crops Feed, Prof. Samuel W. Johnson.....	1.50
Insects and Insecticides, Clarence M. Weed.....	1.50
Injurious Insects of the Farm and Garden, Mrs. Mary Treat.....	1.50
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