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FIELD OF GOLDEN SELF-BLANCHING CELERY GROWN FROM OUR SEED
BY MR. A. WOODING, CLAY, R. F. D. No. 2

SEEDS, HARDWARE, IMPLEMENTS. 53rd Annual Catalogue.
A WORD OF APPRECIATION

This makes the 53rd year in which we have served Central New York people in helping them to make an annual success of their harvests.

The fact that the children and grandchildren of my first customers are now my regular patrons, proves that the house of Ebeling has not only won but has held the complete confidence of its customers.

For 53 years our policy has been to import, contract for and handle only the highest grade seeds, bulbs, and supplies for the farm, garden, greenhouse, lawn, dairy or poultry yard.

We wish to take advantage of this opportunity to thank you, the reader, for the kind words in our behalf that you have extended to your friends and neighbors. It is valued far more than the profits of the business to which it has contributed. As a result of your co-operation, the year just passed has proved most successful.

Assuring you that my warmest and most prosperous of all years, I remain,

Yours very truly,

January 1, 1921.

F. H. EBELING.

F. H. EBELING'S SEED AND IMPLEMENT WAREHOUSE, 538-540 CANAL STREET, RETAIL STORE, 217 WARREN STREET

USEFUL TABLES

<table>
<thead>
<tr>
<th>Of Plants per Acre at the following distances apart.</th>
<th>Number of Plants Produced from 1 oz. of Seed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 ft. by 1 ft. 45,560</td>
<td>Asparagus about 500</td>
</tr>
<tr>
<td>1/2 ft. by 2 ft.</td>
<td>Kale about 2,000</td>
</tr>
<tr>
<td>3 ft. by 3 ft.</td>
<td>Broccoli</td>
</tr>
<tr>
<td>4 ft. by 4 ft.</td>
<td>Cabbage</td>
</tr>
<tr>
<td>6 ft. by 6 ft.</td>
<td>Cauliflower</td>
</tr>
<tr>
<td>8 ft. by 8 ft.</td>
<td>Celery</td>
</tr>
<tr>
<td>10 ft. by 10 ft.</td>
<td>Egg Plant</td>
</tr>
<tr>
<td>12 ft. by 12 ft.</td>
<td>Endive</td>
</tr>
</tbody>
</table>

SEED SOWN PER ACRE

<table>
<thead>
<tr>
<th>Seed Sown per Acre</th>
<th>Weight per bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa, or Lucerne 20 to 30 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Barley, 1½ to 2 bu.</td>
<td>48 lbs.</td>
</tr>
<tr>
<td>Beans, Field, ½ to ¾ bu.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Beans, Green Soy, ¾ bu.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Beet, 1 to 6 lbs.</td>
<td>48 to 60 lbs.</td>
</tr>
<tr>
<td>Blue Grass, 2 bu.</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>Bromus Inermis, 20 lbs.</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>Buckwheat, 1 to 2 bu.</td>
<td>48 to 50 lbs.</td>
</tr>
<tr>
<td>Cabbage, ½ lb.</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>Carrot, 2½ to 3 lbs.</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>Celery, 5 to 10 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Clover, Crimson, 15 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Clover, Red, 10 to 15 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Clover, Sweet, 25 lbs. Mollitis Alba</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Clover, White, 10 to 12 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Corn, Ensilage, ½ to ¾ bu.</td>
<td>56 lbs.</td>
</tr>
<tr>
<td>Corn, Field, ¾ bu.</td>
<td>56 to 60 lbs.</td>
</tr>
<tr>
<td>Corn, Sweet, 1½ bu.</td>
<td>45 lbs.</td>
</tr>
<tr>
<td>Cucumber, 1 lb.</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>Lawn Seed, 1 lb. to 250 sq. ft.</td>
<td>25 to 30 lbs.</td>
</tr>
<tr>
<td>Melon, Deseed, 2 bu.</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>Meadow Foxtail, 3 bu.</td>
<td>7 lbs.</td>
</tr>
<tr>
<td>Meadow Grass, Rough Stalk, 35 lbs.</td>
<td>18 lbs.</td>
</tr>
<tr>
<td>Phos Seed, ½ to ¾ bu.</td>
<td>56 lbs.</td>
</tr>
<tr>
<td>Millet, ½ to ¾ bu.</td>
<td>50 lbs.</td>
</tr>
</tbody>
</table>

SEED SOWN PER ACRE

<table>
<thead>
<tr>
<th>Seed Sown per Acre</th>
<th>Weight per bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millet, Hungarian, ½ to ¾ bu.</td>
<td>48 lbs.</td>
</tr>
<tr>
<td>Millet, Japanese, ½ bu.</td>
<td>48 lbs.</td>
</tr>
<tr>
<td>Oats, 2 to 3 bu.</td>
<td>32 lbs.</td>
</tr>
<tr>
<td>Onion, 5 to 6 bu.</td>
<td>56 lbs.</td>
</tr>
<tr>
<td>Orchard Grass, 2 bu.</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>Peas, Field, 2½ bu.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Peas, Cow, ½ bu.</td>
<td>90 lbs.</td>
</tr>
<tr>
<td>Peas, Wrinkled</td>
<td>about 50 lbs.</td>
</tr>
<tr>
<td>Potatoes, 6 to 8 bu.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Pumpkin Seed, 4 lbs.</td>
<td>27 lbs.</td>
</tr>
<tr>
<td>Rape, Dwarf Essex, 4 to 6 lbs.</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>Red Top, Reclined, 15 lbs.</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Rye, 1 to 2 bu. to Winter and Spring</td>
<td>56 lbs.</td>
</tr>
<tr>
<td>Sorghum, ½ to 2 bu.</td>
<td>56 lbs.</td>
</tr>
<tr>
<td>Spinach, 8 to 10 lbs.</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Sweet Vernal, 1 to 1½ bu.</td>
<td>11 lbs.</td>
</tr>
<tr>
<td>Timothy, ½ to ¾ bu.</td>
<td>45 lbs.</td>
</tr>
<tr>
<td>Turnips, 1 lb.</td>
<td>45 lbs.</td>
</tr>
</tbody>
</table>

NON-WARRANTY. — F. H. Ebeling gives no Warranty express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop if the purchaser does not accept the goods on these terms, they are at once to be returned.
EBELING'S EXTRA LAWN GRASS MIXTURE

This mixture will insure a beautiful, compact, evergreen sod on any lawn where the essential requirements of grass culture have been complied with. Its component parts are the grasses peculiarly adapted to lawns and door yards, including choice selected strains of Kentucky Blue, etc., along with the best known creeping or sod forming sorts. We have included a little white clover in the mixture, regarding it as essential. Full provision is made for a succession of growth, so that there shall be no break in the richness of the verdure from spring until autumn, and experience proves that Ebeling's Extra Lawn Grass Mixture is now perfect. Nothing better can be purchased on the American market, no matter what claims may be advanced by other seedmen. This is because we employ the choicest and healthiest strains of grass seed in making the mixture. As to preparation of the soil, we recommend a thorough working and manuring to a depth of 8 or 9 inches, and a regular semi-annual application of top dressing afterward. It is a good practice to use Sheep Fertilizer and Ground Bone in the spring and fall, also to renovate the lawn every spring with a little fresh seed. Per lb. 30c. Special price for quantity.

How to Make a Lawn

Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from north to south and half from east to west, rake it over and roll again. When grass comes up re-seed the bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings, as they make a good mulch. Always thoroughly soak a lawn when sprinkling, whenever required, but never sprinkle lightly.

QUANTITIES TO USE

For 300 sq. ft. .... 1 lb.
For 1500 sq. ft. .... 5 lbs.
For 3000 sq. ft. .... 10 lbs.
For one acre .... 100 lbs.

For renovating old lawns about half the above is sufficient.

GROUND BONE. Excellent for grass plots, gardens, etc. 5 lbs. 25c; 25 lbs. $1.00; 50 lbs. $1.75; 100 lbs. $3.00.

SHEEP MANURE, PULVERIZED. (Wizard Brand.) A pure natural manure, unequalled for mixing with potting soil, for lawns, general vegetable and flower garden fertilizer. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 85c; 50 lbs. $1.75; 100 lbs. $3.50.

HARDWOOD ASHES. Indispensable as a lawn dressing, or to apply to orchards. Should be applied late in fall or early spring. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 60c; 100 lbs. $2.50.

LAND PLASTER. Much used in composting mixed with guano, etc. 10 lbs. $1.25.

LIME (Hydrated). For lawn and field use where the ground has become sour. 50 lbs. 85c; 100 lbs. $1.75.

BOWKER'S PLANT FOOD FOR HOUSE PLANTS. (Odorless.) The best Plant Food on the market. May be used either dry or liquid. Especially fine for ferns. Price, 15c per pkg.

BLUE DYE (Dried.) One of the quickest acting fertilizers, being immediately soluble. 5 lbs. 30c; 25 lbs. $1.50; 100 lbs. $4.50.

SALT, AGRICULTURAL. For top dressing asparagus beds. Apply very early in spring at the rate of 800 to 1000 pounds per acre.

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms.

TOBACCO STEMS. An indispensable lawn covering for winter. Not only acts as a protector, but imparts large quantities of ammonia and drives away insects and moles. Bale, $1.00 to $2.50.

NITRATE OF SODA. A fertilizer for all crops. It is very quick in action and hastens maturity of crops fully twice as fast as any fertilizers in quick solution, it should not be applied until the plants are above ground. 5 lbs. 75c; 25 lbs. $3.00; 100 lbs. $8.00. Large quantities, prices on application.

ANGLEWORM REMEDY. One teaspoonful Corrosive Sublimate in 3 gal. of water. Sprinkle on the ground affected by worms, which forces them out and then can be raked up.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
TESTIMONIALS

My Dear Mr. Ebeling, Frankfort, N. Y., Sept. 2, 1919.

I enclose check for the seed I purchased of you this season with which I was very well pleased indeed. Have had splendid results from all of them.

RALPH J. OWENS.

Mr. F. H. Ebeling, Deer River, N. Y.

Dear Sir: I am very pleased to say that the seed corn purchased of you last spring tested fine and every kernel grew. I enclose check for the crop.

RUTH V. ALLEN.

Mr. F. H. Ebeling, Madison, N. Y., Oct. 27, 1919.

Dear Sir: I was very well pleased indeed with your seeds and will send you another order for 1920.

Yours very truly,

KARL SPOONER.


Dear Sir: Enclosed find check for seeds we purchased of you last spring. The seeds were all good and we expect to place our order early for our next year's seeds.

E. W. BROWN.

Mr. F. H. Ebeling, Syracuse, N. Y.

Dec. 3, 1919.

Dear Sir: I grew 1040 bushels of "Half-long Danvers Carrot" on one acre and sold the crop for $50.00. Also raised 600 bushels Yellow Globe Danvers Onions per acre on ten acres, and sold them for $10,000. These crops were grown from your seed. Since then onions have sold for $1.00 per bu. higher, which would have netted me $15,000 instead of $10,000 had I held them until now. A. WOODING, Onondaga Truck Farm, Clay, N. Y., R. F. D. 2.

Dear Mr. Ebeling:

Oak Hill Farms, Canastota, N. Y., Dec. 9, 1919.

When in your office last week I intended telling you about my experience with the "Sweet Corn" and "Early Wonder Corn" you sold me last April, and I consider it well worth knowing about. Owing to the labor situation and unusual wet spring, our tenant did not plant until the week of July 4th, and on Labor Day it was ready to put in the silo, although we may have missed a couple of weeks. I think the tenant's thinking he could even get his seed back. I advised his putting in barley, but he "stuck it out" and later on I am sure he will be surprised of myself and the neighbors.

Yours very truly,

A. M. THAYER, Supt.

Tioga Point Farm, Athens, Penn., Oct. 2nd, 1919.

F. H. Ebeling, Esq., Syracuse, N. Y.

I feel that I ought to say a word or two about the Seed Corn purchased from you this past Spring.

We planted 110 acres, about half of it each, Yellow Lemon and Pride of the North. We are now cutting it, and yesterday one of the International Harvester Company was at the farm to start a new harvester, and he told me he had never seen finer corn in his life. He cut off several stalks measuring 15 feet high, and on some, the ears are eight and nine feet from the ground.

I have many times been through the great corn belt of the West and never in my life saw a better crop of corn.

Tioga Point lies between the Susquehanna and Chemung Rivers, and is where the latter flows into the former, and some of the greatest battles between the white man and the Indians were fought here in the early days.

THOMAS C. WARD.

Mr. F. H. Ebeling, Skaneateles, N. Y., Dec. 15, 1919.

Dear Sir: The package of Ideal Beet Seed which I received from you last spring was sufficient for two rows through my lot, which I placed at three feet apart. The seed germinated well, and I thinned them out so the plants were about 12 inches apart in the row. After I gave them the usual cure that any good farmer does to grow a good crop of corn or potatoes, but did not use any commercial fertilizer. Harvested over 4,000 lbs. of nice large Mangel Ideal Beets from these two rows, which was over one-twentieth of an acre. One man pulled and thinned the same in less than three hours.

I consider the "Ideal Mangel Beet" the best of all the Mangel varieties.

CHARLES B. DAY.

Frank Bradford, Skaneateles, N. Y., R. F. D. 3, says this regarding our Alfalfa:

"Your seeds purchased this season were all as represented, and the Alfalfa was the finest I have ever seen. I sowed it with a bushel and a half of Oats to the acre, and when I cut the Oats the Alfalfa was as tall as the Oats, and now has a good start again."

Lysander, N. Y.

Mr. F. H. Ebeling,

Dear Sir—The Alberta Cluster Oats purchased of you last spring were more than satisfactory and yielded seventy bushels to the acre. There was at least five bushels per acre on the ground, owing to the fact that I was obliged to mow them with a mowing machine. This shows the value of high quality seed oats. My neighbors threshed from thirty to fifty bushels per acre, which indicates more clearly the value of your splendid Alberta Cluster Oats.

Yours very truly,

P. M. CUDDEBEE.

Mr. F. H. Ebeling:

Potsdam, N. Y., R. F. D. 2.

Dear Sir: The seed we had from you this season gave splendid satisfaction and I am very much pleased with same, and I enclose check.

THOMAS O. PALMER.

Mr. F. H. Ebeling, Gouverneur, N. Y., Sept. 2, 1918.

Dear Sir: The seed we had of you this season have given the most perfect satisfaction and I am enclosing check for same.

Very truly,

G. W. SPALSBURY.

My dear Mr. Ebeling:

Richford, Tioga Co., N. Y., Dec. 21, 1918.

I am mailing you one peck of Alberta Cluster Oats raised from the seed purchased from you last spring. I had one acre of these oats that I took extra care of, using 240 pounds of fertilizer and one ton of limestone. This acre yielded 91 bushels of fine Alberta Cluster Oats. I expect to have fifteen acres of just the same as this one acre the coming season of 1919.

Yours very truly,

L. U. BENJAMIN.
Cassville, N. Y. 

Mr. F. H. Ebeling:

Last spring I purchased 24 bushels of Alberta Cluster Seed Oats and threshed 934 bushels from this field. These oats were the best we have ever grown and yielded more than double over the ordinary varieties. Based upon the weight of over 40 pounds to the bushel, you can readily see that the yield is remarkably high. I would recommend the Alberta Cluster Oats to all farmers. The straw stands up strong and stiff—thick meats and thin shells—valuable assets in oat raising, as well as money makers.

Yours very truly,

F. H. Ebeling, Syracuse, N. Y.

Cassville, N. Y.

Mr. Ebeling:

The seeds arrived in fine shape and just as I ordered. I cannot speak too highly of your seeds and hope to do business with you in the future.

Cassville, N. Y.

Earl T. Roberts.

Mr. F. H. Ebeling:

Lebanon, N. Y., Jan. 19, 1919.

Last spring I purchased 24 bushels of Alberta Cluster Seed Oats and threshed 934 bushels from this field. These oats were the best we have ever grown and yielded more than double over the ordinary varieties. Based upon the weight of over 40 pounds to the bushel, you can readily see that the yield is remarkably high. I would recommend the Alberta Cluster Oats to all farmers. The straw stands up strong and stiff—thick meats and thin shells—valuable assets in oat raising, as well as money makers.

Yours very truly,

F. M. Powers, Solvay, N. Y.

Canada Field Pea

Is one of the very best sowing crops of the North. The most satisfactory dairy results come from sowing it with oats, rye or barley. It makes good ensilage, and is an admirable food either green or dried. It is being highly nutritious and rich in milk-producing elements. It is quite hardy and may be sown early in the spring, and will be ready to cut in May or June. The seed should be sown at the rate of 1 to 1½ bushels per acre.

Buckwheat

Market price changes. Write for quantity prices.

Buckwheat is mostly used for filling in fields remaining unplanted after the middle of June. It is well to bear in mind that on worn-out soils a plowed under buckwheat field is a great soil fertilizer and improves the land in 1 year. Sow 1 bushel per acre.

Japanese


Silver Hull

A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed.

Bushel (48 lbs.) $2.50.

Spring Rye

Used with profit as a catch crop where grain has winter killed. Quite commonly employed within recent years. Sow 1½ to 2 bushels to the acre.

Rosen Rye

This Winter Rye has a wonderful history, being brought by a Russian student from Russia, who gave a handout to Prof. Spragg of the Michigan Agricultural College, who produced from this small beginning the most prolific and wonderful Rye ever known in the United States. Rosen Rye produces a strong, vigorous straw, stools to a remarkable degree. The grain is large, plump, heavy and of beautiful color and commanding a premium on the market at all times over the common rye usually sowed. Less seed is required on account of its vigor, and one bushel to the acre will produce the best crops. Seed should not be sown until after the 10th of October. Rye is the strongest of all the grain crops, and will endure more cold and ill-treatment than any other grain. Rosen Rye produces 45 bushels to the acre. Price, $3.00 per bushel.

Marquis Spring Wheat

A wonderful new variety which has become very popular and met with widespread interest. It is remarkably early and exceedingly productive.

Price, $3.75 per bushel.

Barley

Austrian

A productive and reliable variety. The straw is stiff and strong, holding up well and bearing long heads, which are well filled with plump grains. It ripens early and is good for both feeding and malting. Price $3.00.

Beardless barley

Two row. This variety is free from beards, making it easier to thresh than other kinds and safer to feed to stock. It is a strong, vigorous grower, making short, heavy straw and bearing well-filled heads. Bushel, $3.00.

Chevalier

Very productive, popular, and a fine barley 2 row type. Very plump and handsome in appearance and straw is stiff and strong. Bushel, $2.75.

Prices subject to change without notice.
ALBERTA Cluster Oats

THE FAMOUS, HEAVY YIELDING, HARDY VARIETY FROM THE GREAT NORTHWEST

These oats were grown and shipped to us direct in car lots of about 2000 bushels, from that wonderful Alberta country of the Canadian Northwest. The soil is a deep, heavy, rich loam, free from foul weeds, and which produces the very best of all grain crops. These oats have captivated the modern grain-growing farmer in every part of the country because they have proved themselves a big success. It's well known that seed oats grown in the Alberta country are unequaled in hardiness, height, yield, vigor, in freedom from rust and from foul seeds. Canadian growers are extremely careful in seed selection and the Canadian government, through its rigorous seed laws, has greatly benefited our American farmers. It is safe to say that a more profitable variety of oats was never offered before in Central New York.

The two main handicaps in the growing of oats are foul weeds and the sowing of degenerated oats. Both problems are solved by our Alberta Cluster Oats. The virgin soils of the Canadian northwest are as yet free from the many foul weeds that affect our farmers, and these oats constitute a remedy for the farmers who have had trouble with their annual yield because they have continued to sow run-out and run-down sorts year after year. Alberta Cluster Oats compare with the majority of seed oats in the same way that a blooded Holstein compares with a common, scrub animal.

KERNELS MUCH FATTER—WEIGH 45 POUNDS TO BUSHEL

These oats yield from 75 to 100 bushels to the acre. They have big, strong, stiff straws that stand up well on any ground. Their spangled heads are 12 inches long and ripen early.

The season of 1920 showed splendid results from our Alberta Cluster Oats, which have produced two or three times more than the common oats.

Here's an opportunity for you to sell to your neighbors at a good price these remarkable oats for next season. We suggest that you order early.

Price $2.00 per bushel. Special prices for large lots.

Seneca Falls, N. Y.

Mr. F. H. Ebeling, Syracuse, N. Y.

Dear Sir:—Will say in regard to the "Alberta Cluster Oats" that I am very much pleased with them as they yielded beyond my expectation. I had 26 acres and had 1560 bushels, and weighed 40 pounds per bushel. The weather was bad to gather them and was obliged to cut them with the mowing machine and rake with a horse rake, and we surely left 10 bushels per acre on the ground.

Very truly yours,

W. D. HILL.

Geo. A. Courbat, Mallory, N. Y., sowed 30 bushels of our Wonderful Alberta Cluster Oats and grew one thousand bushels. This was a record-breaking oat crop for Oswego County, and which has never before been equaled.

GOLDEN RAIN WHITE SEED OATS—These new and wonderful Seed Oats are grown in Denmark whose climate produces the finest seed grains in the world. These are a new strain, having wonderful vitality, great weight, strong rootings—all of which insures the highest possible results in Oats. The question of all Oats standing up strong and stiff in the face of storms has always been a serious problem. These Oats, like our Alberta Cluster Oats, contain the highest qualities to be found in the Oat family. We have a small quantity only to offer this year.

Price per 1/4 bu. $2.50
Price per 1/2 bu. 5.00

We strongly urge our farmers to try a small quantity.

TO PREVENT SMUT IN OATS. Formula—1 pt. of formalin to 20 gal. of water, wet 20 bu. (or in that proportion) of oats with this solution, mix thoroughly by shoveling, then pile in a mound cover up well with blankets, etc., for 12 hours. This forms a gas that will destroy the Smut germ. After 12 hours spread out the Oats to dry. They will then be ready for sowing.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
EBELING'S HIGH GRADE SEED CORN

Our pedigree contract grown Seed Corn is the very best that skill, experience and money could produce.

Our seed corn growers are veterans in their line, and have grown gray in service observing to our farmers the very best of selected varieties, such as Pedigree Leaning, Pride of North, Iowa Gold Mine, the Flint sorts, Sweet Corn, etc.

Our corn will grow 90 to 95% this season, and we will guarantee satisfaction to all who use our Pedigree Seed Corn.

EARLY WONDER ENSILAGE

Also known as Giant Ensilage, The Abbott, West Branch, Lancaster Sure Crop, Rising's Gold Dollar, Excelsior and other names. The corn that makes the farmer prosperous. Makes the ensilage in eighty days. Fully ripened and glazed ninety days. This variety of Field and Ensilage Corn is the product of most careful selection and each year only the finest ears selected for the good qualities desired from each of the parent varieties, until it was brought to its present high state of growth, early maturity, large yield of forage and grain. Price $4.50 per bushel.

SOMETHING NEW

Golden Glow Ensilage Corn is the earliest good sized variety of Dent Corn in existence. Something early and yet large enough for a profitable variety for general culture as a fodder or ensilage corn. It is noted for giving a big crop of good sized ears. It was awarded first prize at the International Corn Show in Wisconsin (year 1913) as the best yellow Dent Corn. Golden Glow is a pure yellow Corn, kernels of good length—an early corn, stalks large and strong with abundant foliage. Bu. $4.00.

Angel of Midnight A most popular extra early 8-row yellow flint corn. Ears of medium size, a splendid yielder for one so early. If you want a corn that will stand June planting, select the "Angel of Midnight," the farmer's friend. Stalks of medium size.

Longfellow This is very well named, being the longest eared 8-rowed yellow flint corn known. It is strikingly handsome, medium late and should be planted on rich soils. It is the most prolific of all the flint sorts. Very popular among corn raisers. Stalks are of good size.

Canada Smut Nose This good old standard sort is one that has stood the test of time, and is as popular as ever. It is an 8-rowed medium late with a splash of a reddish blush over the tip of the ear.

Sanford White Flint A splendid large long-eared 8-rowed sort sometimes called "Canada White Flint," with big white kernels, small cob, easy to husk and a great basket filler. One of the biggest yielding sorts known. Ripens rather late, likes rich soils, early planting, old-fashioned cultivating and hoeing, with the result that you have a growth like a young forest, and a yield fit for a king. Very popular in Northern New York.

White Cap Yellow Dent This is an early yellow Dent, similar to Huron Dent, except that it has a white capped kernel which makes it look like a white corn. The grain with this exception is a beautiful yellow. A splendid planting corn. Its earliness permits it to ripen in New York State.

Bloody Butcher It's the earliest Dent corn—as early as the Pride of the North or the Flint varieties. The stock like it and one bushel will go as far as 1½ bushels of either white or yellow varieties. Worms and birds do not bother Bloody Butcher very much and for that reason it is much sought after by the southern planter. Color deep cherry red with white cap, generally 14 rows on a small cob. Stalks—medium height, fairly heavy.

Early Eureka, or Champion White Pearl Early, thoroughbred White Dent. Ears average sixteen rows, with very small cob; ripens in 90 to 100 days from time of planting. Very productive, yielding fully as well as the Yellow Dent sorts.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
IORAW GOLD Medicine
ENSILAGE CORN.

The Deepest Grained, Purest Yellow Corn Ever Grown. Every Year This Corn Puts Thousands of Good Gold Dollars In the Pockets of Our Customers.

Every year you have read in our catalog the extraordinary things we have had to say about our Iowa Gold Mine Corn. Every year our corn has come in it has ripened, and our only wish is that we knew how to make a stronger plea for this, the king in the corn family.

We honestly believe it is the biggest market producer and money maker on the American continent.

This real wonderful variety of corn grows 14 feet high and it matures with your field varieties. Of all ensilage corn known to modern seedmen this has the largest kernels and smallest cob. You will find the grain value to be almost double of the Learning or Pride of the North because of their immense cobs and small kernels. Iowa Gold Mine Ensilage Corn possesses every desirable feature of the Learning and Pride of the North and in addition the great grain producing quality we have told you about.

We earnestly advise you, the reader, to sow this corn this year and we know that you will be as enthusiastic as we are about this world-winning corn. Price $3.50 Bu. Shelled.

LUCE'S FAVORITE DENT FIELD CORN

Luce's Favorite, Minnesota King, Early Triumph, Poor Man's Dent. These four varieties are all one and the same thing.

This variety combines the best in the Western Yellow Dent and Eastern (White) Flint of which it is a hybrid. It combines all the good points in the family stock in that its stalks are tall, slender with many wide leaves. The ear has a long small cob filled with large broad dented kernels flattened out to the size of your finger nail. You can plant it as late as May 25th and it will ripen with ordinary seed Flint sorts.

You will find Lucie's Favorite to be a strong growing bright yellow dented corn, which breaks off very easy in husking. It's the heaviest yielder you ever saw, the stalks often have two or three ears. It's extra good for fodder as the leaves are very broad and long. Like all hybrid of this class there are from eight to twelve rows to the ear. We have seen a bushel shelled that weighed 344 pounds and equal to 69 pounds of shelled corn to 2 bushels of ears. Price $4.00 bushel.

PRIDE OF THE NORTH

85-Day Yellow

We believe Pride of the North will mature farther north than any other Dent corn. Strong, hardy, vigorous grower, can be planted thickly and still make good-sized ears. For husking crop it ripens early, dries out quickly, and is an all around very satisfactory kind. Pride of the North has a bright red cob, ears medium size, with deep kernel. Many of the stalks have two good ears. Price per bushel, $3.00.

IMPROVED LEARNING

This variety was originated by a Mr. Learning of Ohio and at once became a very popular and well known variety. It is probably more largely used in the East than any other variety for ensilage or fodder purposes.

Stalks good size, nine to twelve feet, and produce ears nine to eleven inches long, containing from sixteen to twenty-one rows of dark golden yellow grain. It is a late variety and will not mature in the northern states, unless the season is very favorable, but it is early enough to make it very valuable for an ensilage corn. Price per bu., $3.50.

SPECIAL PRICES ON APPLICATION
WHAT SOME OF OUR CUSTOMERS SAY

Producea wonderful growth of stalks, the tallest, most leafy and best for ensilage I have ever grown.—Isaac H. Broadhurst, Marcellus, N. Y.

Made a tremendous crop.—J. Grant Morse, Laurel Farm, Hamilton, N. Y.

Had two acres of Eureka corn and put in about 40 tons.—W. B. Sanborn, Hamilton, N. Y.

The Eureka corn we had of you this year was nearly shoulder high on July 19th and growing rapidly and will probably be 17 or 18 feet high when ready to put into our silo. We have used this for years and consider it one of the best for ensilage.

SEEBER BROS. Hastings. N. Y., Nov. 1st, 1915.

Mr. F. H. Ebeling.

Dear Sir:—I am pleased to say that the Eureka ensilage corn which I have had from you has proved more than satisfactory. The germination of the seed has been remarkably good, and the yield of corn for silage very satisfactory.

With our system of growing, the ears mature fairly well and make good sweet silage.

We are now cutting something over 160 acres of alfalfa each year. The first commercial seed which we purchased came from your predecessor, Mr. Perry, over 35 years ago, and we have had more or less seed from your store each year since. The fact that we have continued to make our purchases from you surely indicates that we have been well pleased with the seed and with the service you have given us.

Fayetteville, N. Y.

Yours very truly,

F. E. DAWLEY.

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Sweet Potatoes and Indian Maize

E. D. Chapman, left, C. H. Jackson, right

Field of Sweet Potatoes and Indian Maize Corn on E. D. Chapman farm, Syracuse, N. Y., R. F. D. 4 grown by C. H. Jackson. This is a real novelty, as Sweet Potatoes are not generally grown in the North. However, Mr. Jackson has succeeded in growing Sweet Potatoes with excellent results. The picture above shows the field of Sweet Potatoes—also a field of Indian Maize. Our farmers should grow a small acreage of these two splendid crops, which would add materially to the interest of food and profit of the farm. Mr. Chapman and Mr. Jackson appear in the picture.

ALFALFA—THE BIG MONEY CROP

It has been said many times and in many different ways that there is more money in alfalfa than in other crops. However, large numbers of farmers have been discouraged in growing alfalfa because of weeds and because they have taken chances with inferior seeds. The truth is that alfalfa is very seldom run out by weeds. It’s only the tender strains of seed that are affected. In Minnesota farmers even kill out Canadian thistle patches by seeding to alfalfa.

It’s poor economy to gamble with unknown alfalfa seed when you can sow the seed grown in the great Northwest and have the results insured.

You have been warned by the U. S. Department of Agriculture against the purchase of commercial Turkestan and other inferior alfalfa seed, and you should profit by their advice.

We have a carload of the famous western grown Alfalfa—Dodder free—which we do not hesitate to say is the finest ever received in Syracuse. We trust that our customers will avail themselves of this opportunity.

FOR DESTROYING DODDER IN ALFALFA FIELD

Use a spray consisting of four parts of water, one part of crude carbolic acid. Mix thoroughly in hot water. Spray this on the infected spots with an ordinary pars green sprayer. If necessary spray the second time. This will kill the dodder and save about 75 per cent. of the growing Alfalfa. I am indebted to J. C. Osborn, Port Byron, N. Y., for this valuable discovery.—F. H. E.

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Seven-Acre Field of Big Boston Lettuce Grown from Our Seed by A. Wooding, Clay, R. F. D. No. 2

**IDEAL SUGAR MANGEL**

Our illustration shown below faithfully indicates the type of this beet. It is a perfect Chunk or Boot-leg type of a beet, which makes harvesting easy, especially in hard soils, as it grows fully two-thirds above the ground. This new and original Mangel Seed is imported from Europe. In trial ground test of over thirty varieties, the IDEAL SUGAR MANGEL has proven superior in each of the following points:

- It contains the greatest amount of dry substance.
- It contains the greatest amount of sugar, which means feeding value.
- This Mangel grows high above ground.
- It's easiest of all to harvest these Mangels.
- Under favorable conditions they sometimes weigh thirty pounds.
- Size, quality and yield are three important factors that no farmer can afford to overlook.
- Price, $1.75 per lb.

Field of Ideal Sugar Mangel Beets Grown by Charles B. Day, Skaneateles, N. Y.

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**
USEFULNESS OF THE EARLY MEDIUM GREEN SOY BEANS.—Soy Beans have a higher protein content than oil meal. Hay from them has a higher protein content than Alfalfa. The green fodder contains a higher protein content than either alsike or medium red clover. Add to this the fact that it is easily possible to secure two or three, or occasionally four to five tons of dry hay per acre; adds fertility to the soil fully as rapidly as the clovers or other legumes; will grow on soil too poor or acid for Alfalfa.

Time of Planting and Cultivation—Prepare and cultivate the same as for corn, giving frequent harrowings to kill the weeds. Wait until corn planting time before planting the beans. Plant in with the corn or in alternating rows. Sow % bushel to the acre. We advise planting in drills about 36 inches apart, 2 or 3 inches in the drill. Price, $8.00 per bushel.

Book on Soy Beans by W. F. Ingalls, a practical farmer, of Hamilton, N. Y., who has grown the Early Medium Green Soy Beans for many years, and is an authority on same

Price, 60 cents.
Garden Farm of Frank L. Scoville, Buckley Road

Mr. Scoville has traded with us for over thirty years, and is one of the most successful market gardeners in this vicinity.

My Dear Mr. Ebeling:

I have dealt with you for so many years that I can hardly recall when I have not done so. It is certainly over thirty years when we began and have continued to do so ever since. The reason why is, that we have always found your seeds to be reliable, true to name and of good vitality. On this account you have earned the splendid reputation that your store bears in the community and wherever you do business. I would not be doing justice to myself, neither to you, were I to say anything different. Our success in gardening and farming depends so largely upon the seedsman that we could not afford to do business with a firm that failed us in these important matters.

You are welcome to use this letter in any way that you think best.

Very sincerely,

Frank L. Scoville.

On August 5th, 1920, Frank L. Scoville, market gardener, brought in six heads of Copenhagen Market Cabbage weighing 117 pounds. The largest single head weighed twenty-nine pounds. This is the greatest showing of Copenhagen Market Early Cabbage ever produced in this vicinity. We doubt if it has been equaled anywhere. This Cabbage was raised from our imported Denmark grown seed and is the same strain that Mr. Scoville has been so successful with in recent years. Coming so early it is the greatest money maker of all the cabbage family.

Marietta, N. Y.
July 26, 1920.

The Danish Ball-head Cabbage Seed, short stem, which I had of you last spring was very fine and am very pleased with it. I had a handsome bed and all the seed came up good. I would like three pounds more of the same seed for next year, and will call and see you when I come to Syracuse.

GEORGE HEMBURY.
AT LAST!
A REAL ROOT MAGGOT REMEDY
MAG=O=TITE
INSURES A GOOD CROP OF
Radishes, Kale, Cabbage, Onions, Turnips, Cauliflower, Etc.
You can now sow any of these crops and be certain of protection against
the destructive Root Maggot, Earth Worm and other pests
ERADICATES EARTH WORMS FROM LAWNS AND PUTTING GREENS
IN STRONG DOUBLE SACKS
25 lbs. .......................................................... $3.00
100 lbs. ................................................................ 9.50
FARM SCALES—The Renfrew Portable Weighing Machine on Wheels.
Something new. Will weigh from one lb. to one ton. For use in weighing
Grain, Hogs, Sheep, Milk—everything that needs weighing. Simple, durable, economical. Last a life time. Special price to introduce it. Regular price, $75.00.

Hairy or Winter Vetch. VICIA VILLOSA.

Harvest and Use

Vetch should be cut for hay just when the pods are half formed. You may cut it for green feed at the time it is in full bloom. When it is properly cured vetch makes good hay. As its feed value is similar to clover.

It is adapted for pasturage purposes. It will produce forage very late in the Fall and early in the Spring. Sometimes it is used for ensilage in alternating layers with green corn. Like all other leguminous plants, vetch adds fertility to the soil and may be used in rotation with cereal and corn to good advantage. Winter Vetch, lb., $.45.

Summary

<table>
<thead>
<tr>
<th>QUESTION</th>
<th>ANSWER</th>
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</thead>
<tbody>
<tr>
<td>How to Sow Vetch</td>
<td>Mix with one bu. grain 25 lbs. vetch to the acre.</td>
</tr>
<tr>
<td>When to Sow</td>
<td>When season and soil permits.</td>
</tr>
<tr>
<td>What Variety?</td>
<td>Sow Winter Vetch in the Spring and Fall.</td>
</tr>
<tr>
<td>What Soil?</td>
<td>Any soil—especially high, dry and sandy thin soils are especially adapted to it.</td>
</tr>
<tr>
<td>How much to the Acre?</td>
<td>Twenty-five pounds with grain.</td>
</tr>
<tr>
<td>How Valuable as Compared with Hay?</td>
<td>25 per cent greater than Clover Hay.</td>
</tr>
<tr>
<td>How Valuable as Compared with Alfalfa?</td>
<td>Three per cent greater.</td>
</tr>
<tr>
<td>How Valuable Compared with Ensilage?</td>
<td>Four times greater.</td>
</tr>
<tr>
<td>Which is Best, Winter or Spring Vetch?</td>
<td>Winter Vetch for Spring and Fall sowing.</td>
</tr>
</tbody>
</table>

SPECIAL PRICES ON APPLICATION
EXTRA RE-CLEANED GRASS AND CLOVER SEED

Nothing is more important to the farmer than that the grass seed he sows should be pure and clean. The seed should also be plump, heavy and well ripened, so as to Insure a good stand. First-class, thoroughly re-cleaned seed, while considerably more expensive in first place, is really much cheaper in the end than the light, chaffy grades generally sold at much lower prices—even should the latter be free from weed seeds. Heavy, plump seed, germinating better, will produce a much greater number of strong plants.

SUDAN GRASS. Sudan Grass is strictly an annual, and dies each year like millet, and must be seeded again each spring. This makes it fit into any system of rotation and affords a change of crops—the grass growing in the fall of the year and returning as hay the following spring. This makes it a good thing for the soil. Sudan Grass is tall, reaching a height of from seven to nine feet, with very small stems, no thicker than lead pencil, and a light, soft, and spongy stalks wonderfully, and produces an amazing amount of stalks from a single root. The hay crop is of great importance; stock prefer it to any other forage, and thrive on it. Produces good crops in time of drought, and enormous ones in wet seasons. Price 20c lb.

Sow 10 to 15 lb. per acre.

<table>
<thead>
<tr>
<th>PASTURE MIXTURE</th>
<th>Mixtures of seeds for the different pasture mixtures:</th>
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<tbody>
<tr>
<td><strong>LOW LAND</strong></td>
<td></td>
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<tr>
<td>Lbs. per Acre</td>
<td></td>
</tr>
<tr>
<td>Kentucky Blue Grass</td>
<td>8</td>
</tr>
<tr>
<td>White Clover</td>
<td>4</td>
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<tr>
<td>Orchard Grass</td>
<td>9</td>
</tr>
<tr>
<td>Redtop</td>
<td>3</td>
</tr>
<tr>
<td>Redtop</td>
<td>8</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>32 lbs.</td>
</tr>
<tr>
<td><strong>HIGH LAND</strong></td>
<td></td>
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<tr>
<td>Lbs. per Acre</td>
<td></td>
</tr>
<tr>
<td>Blue Grass</td>
<td>3</td>
</tr>
<tr>
<td>Red Clover</td>
<td>2</td>
</tr>
<tr>
<td>Orchard Grass</td>
<td>2</td>
</tr>
<tr>
<td>Redtop</td>
<td>13</td>
</tr>
<tr>
<td>Perennial Rye Grass</td>
<td>8</td>
</tr>
<tr>
<td>White Dutch Clover</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>30 lbs.</td>
</tr>
<tr>
<td><strong>FOR WET PASTURES</strong></td>
<td></td>
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<tr>
<td>Lbs. per acre</td>
<td></td>
</tr>
<tr>
<td>Redtop</td>
<td>14</td>
</tr>
<tr>
<td>Alsike</td>
<td>8</td>
</tr>
<tr>
<td>Perennial Rye Grass</td>
<td>12</td>
</tr>
<tr>
<td>White Clover</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>40 lbs.</td>
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<tr>
<td><strong>FOR LIGHT, SANDY SOILS</strong></td>
<td></td>
</tr>
<tr>
<td>Lbs. per acre</td>
<td></td>
</tr>
<tr>
<td>Red Fescue</td>
<td>20</td>
</tr>
<tr>
<td>Redtop</td>
<td>10</td>
</tr>
<tr>
<td>Kentucky Blue Grass</td>
<td>8</td>
</tr>
<tr>
<td>White Dutch Clover</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>40 lbs.</td>
</tr>
</tbody>
</table>

**BROMUS INERMIS.** A hardy perennial, dark green soft grass, especially adapted to the dry and thinner soils. It forms a splendid grass for our Central New York farms, making fine pasture and good hay. It is one of the few really desirable grasses that can be depended upon for all around purposes. It is finer than Orchard Grass, sweet and nutritious, and sprouts out into fresh growth very naturally. Well adapted to high grounds, hills and sandy soil. It makes quick and strong growth, forming splendid pasturage and hay weighs 14 pounds to the bushel. Sow three bushels to the acre. Price $4.00 per bushel.

**ORCHARD GRASS.** (Dactylis glomerata). This is one of the most desirable pasture grasses for stock, and also for producing large crops of hay. It succeeds well in quite shady places, hence the name of Orchard Grass. Choicest re-cleaned seed, 14 lbs. to the legal bushel—but our seed is heavier; 3 bushels to the acre. Per lb., 35 cts., postpaid; per bushel of 14 lbs., about $5.00.

**TIMOTHY.** (Phleum pratense). Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to which a seeding of clover is added early in the spring. 45 lbs. to the bushel; from 15 to 16 bushels to the 20 cts., postpaid; price per bushel, about $6.00.

**KENTUCKY BLUE GRASS.** As is well known, this is the grass for which the State of Kentucky is famous and frequently in some sections of the country it is used in making lawns, although it is preeminently a pasture grass. When Kentucky Blue Grass is used for lawn purposes the seed is generally sown at the rate of two and one-half to three and one-half bushels to the acre, and if White Dutch Clover is desired, seed should be added at the rate of one-half pound to one bushel of grass seed. Kentucky Blue Grass thrives best in well-drained or limestone soils. Legal weight, four pounds to the bushel, and for pasture it is customary to sow two and one-half bushels to the acre. Our re-cleaned seed weighs 20 pounds per bushel, and hence less than two bushels are required per acre. Per lb., 40 cents, postpaid; per bushel of about 20 lbs., $7.00.

**ENGLISH RYE GRASS.** (Lolium perenne). This makes a quick growth very early in the spring, and is adapted for cool, moist locations, recommended for fall seeding on Bermuda-grass lawns in the South, giving them a bright green all year long and winter. 24 lbs. to the bushel; 3 bushels to the acre. Per lb., 25c, postpaid; per bushel of 24 lbs., $4.00.

**ITALIAN RYE.** (Lolium italicum). This is distinct from the preceding, being of much larger and stronger growth, with large broad glossy-green blades. It succeeds best in moist, fertile soils. About 20 lbs. to the bushel; 3 bushels to the acre. Per lb., 25c by mail, postpaid; per bushel, $3.50.

**RED TOP OR HERDGRASS.** (Agrostis vulgiris). It is a most valuable addition to sow with timothy and clover to form a close stand for forage use. About 32 lbs. to the bushel; 1 bushel to the acre; for lawns, 1 bushels to the acre. Per lb., 25c, postpaid; per bushel of 32 lbs., about $8.00.

**CREATED DOGSTAIL.** (Cynosurus cristatus). A valuable addition for lawns and sports fields, which require close cutting and an ability to resist trampling, as in golf links, etc. 21 lbs. to the legal bushel; 1 to 2 bushels to the acre. Per lb., 75c, postpaid; per bushel of 35 lbs., $7.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
F. H. EBELING, SEEDS AND FARM SUPPLIES, SYRACUSE, N. Y.

CREEPING BENT. (Agrostis stolonifera). Especially adapted to moist lands and those with a peaty topsoil. It is subject to occasional overgrowth. Its peculiar habit of branching underneath the surface enables it to resist to the greatest extent the competition of pasture. All orders of 15 lbs. 20 lbs. to the bushel; 2 bushels to the acre. Per lb., 60c by mail, postpaid; per bushel of 20 lbs. $13.00.

HARD FESCUE. (Festuca duriscula). An excellent pasture or lawn grass, succeeding well in dry or shady locations. About 12 lbs. to the bushel; 2½ bushels to the acre. Per lb., 40c postpaid; per bushel of 12 lbs., $4.50.

SHEEP'S FESCUE. Festuca avina. Slier blades growing in close, compact clumps and from six to ten inches in height. About 12 lbs. to the bushel; 2½ bushels to the acre. Per lb., 40c postpaid; per bushel of 12 lbs., $5.00.

MEADOW FESCUE. (Festuca pratensis). A fine pasture grass. About 22 lbs. to the bushel; 2 bushels to the acre. Per lb., 25c postpaid; per bushel of 22 lbs., about $5.00.

TALL MEADOW OAT. (Avena eliatior). A very valuable pasture grass. It is especially suitable for heavy, light, sandy soils. About 15 lbs. to the bushel; 4 to 5 bushels to the acre. Per lb., 45c postpaid; per bushel of 10 lbs., $4.50.

ROUGH-STALKED MEADOW GRASS. (Poa trivialis). A valuable grass for moist soils or meadows, making excellent pasture or hay. About 14 lbs. to the bushel; 2 bushels to the acre. Per lb., 75c by mail, postpaid; by express, $8.00 per bushel.

MEADOW FOXTAIL. (Alopecurus pratensis). Closely resembles Timothy in growth, but has a soft, feathery head. It is a valuable pasture grass, by reason of its rapid growth. About 7 lbs. to the bushel; 3 bushels to the acre. Per lb., 75c postpaid; per bushel of 7 lbs., $5.00.

SILK MILLET. (Billion Dollar Grass). Japanese Millet is one of the most remarkable forage plants we have; remarkable for its marvelous, luxuriant growth, often growing 3 to 4 feet tall before the immeasurable amount of hay it produces from each acre, and remarkable for its feeding value. It is adapted to all sections and does exceptionally well on low ground; makes more hay than German or any other kind of millet, and requires less seed per acre; produces a crop in a very short time; is relished as hay by stock of all kinds; or, if allowed to ripen, will yield about as many bushels per acre as oats. The seed can be used for feed, by reason of its fine for poultry. Sow in May for best results, 15 to 20 pounds per acre. If desired for hay, cut just before it heads out; or it can be left to ripen and then threshed at same as Timothy. Price $4.00 per bushel.

HUNGARIAN MILLET. (Panicum Miliaceum) is by some early in June to produce a good crop of hay. To make the best hay it should be cut before the seeds become hard. 4½ lbs. to the bushel; 1 bushel to 10 lbs. to the acre. Price $4.00.

GOLDEN OR GERMAN MILLET. This is the favorite variety for planting in good land to produce a large crop of hay or forage during the latter months of very strong growth. 50 lbs. to the bushel; 1 bushel to the acre. Tennessee grown. Per bushel, about $4.00.

DWARF ESSEX RAPE. A forage plant of highest value. It can be sown in April for an early crop, and for full crop in July, August, and September, and still later further south; it is sown broadcast 10 lbs. to the acre, but it is better drilled, in which case 5 lbs. to the acre will suffice. In a few weeks from the time of sowing, sheep, hogs or cattle can be turned upon it; all reports agree that they gain nutrition from it and it makes excellent fodder, and as it can be sown after other crops are off, the gain in fodder is secured at a nominal cost. Stockmen, dairymen and farmers who have proved its value, report 10 lbs. $1.45; bushel of 50 lbs. $7.00; 100 lbs. $12.00.

SORGHUM, OR EARLY AMBER SUGAR CANE. This is the sorghum of the Northern states; makes the finest quality of syrup. The earliest and most productive variety. Height, 10 to 15 feet. For eating, bears numerous good qualities; stock of all kinds relish it. Sow 6 lbs. in drills, or 1½ bushels broadcast to the acre. Per lb., 10c; bu. (56 lbs.), $4.00. WINTER VETCHES, OR TALL VETCH (Vicia Abrotanum). Also called Sand Vetch, or Hairy Vetch. Recommended for fall sowing with rye, which serves as a support. It is perfectly hardy in all parts of the country, for sowing green all winter and maturing fully four weeks earlier than Scarlet Clover; it can, therefore, be harvested or plowed under, and the ground used for the usual spring crop. Sow 25 lbs. with one bushel grain per acre. Price per bushel, $14.00.

CLOVERS

ALFAFAL OR LUCERNE. (Medicago sativa). It strongly resembles clover in habit of growth and feeding value, but withstands drought much better. It is a perennial plant, well adapted to well-drained soils; once established, it will continue to produce large crops for twenty years when properly cared for, and on some of the rich western prairies yields four to five crops in a single season. It must be cut every time it comes into bloom, and not allowed to produce seed if permanence is desired. It is a hardy plant that will thrive and succeed on low wet soils. Sow from 2 to 35 lbs. per acre. Per lb., 40 cts., postpaid. By express or freight, 35c per lb., or more than 35c per lb.

ALSIKE OR HYBRID CLOVER. (Trifolium hybridum). The plant is perennial and very hardy, thriving equally well on wet or dry soils. The stems are more slender and much taller than those of the Red Medium Clover, and thus much better adapted for growing with Timothy to produce a high grade of mixed hay. The rate of 10 to 20 lbs. to the acre. Per lb., 30 cts., postpaid. By express or freight: per lb., 40 cts.; 10 lbs.; or more than 50c per lb.

RED MEDIUM OR MAMMOTH. This is the common Red Clover so largely grown. We shall be pleased to quote prices at any time.

WHITE DUTCH CLOVER. (Trifolium repens). This thrives in almost every soil and climate, succeeding equally well on heavy and light and on dry and moist; it is of low-growing height and for green velvety lawns. Per lb. 70c postpaid; by express or freight, 65c per lb.

SWEET CLOVER BOKHARA (Melilotus Alba). This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer growth. It frequently grows 6 to 8 feet in height and branches freely, with slender spires of small, fragrant, white flowers, which afford an excellent food for bees. Used also for inoculating milk at 50c per lb.

CRIMSON OR ITALIAN CLOVER. (Trifolium incarnatum). An annual variety providing large crops of green forage, about $4.00.

INOCULATION of these Clover Seeds means a stronger catch and better yield—see page 57.
SEED POTATOES

The Russet

This marvelous Russet Potato is free from scab, blight and rot, being one of the very few potato fields that passed the rigid inspection by the New York State Food Supply Commission.

We offer Improved Russet Potatoes for seed, and urge our farmers and gardeners to order early before the stock is exhausted.

Price per bushel: Sacks at cost. Large lots at a suitable reduction.

Early Ohio

"True to Name" Red River Valley Ohio Seed Potatoes, grown in the Red River Valley, the noted seed potato growing section of the U. S. Buy your seed stock now, which will be good for the years to come, as they will not "run out," but will hold true to type for many years.

Early Seed Potatoes

<table>
<thead>
<tr>
<th>Name</th>
<th>Price per bushel</th>
</tr>
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<tbody>
<tr>
<td>Early Ohio</td>
<td></td>
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<tr>
<td>Early Irish Cobblers</td>
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<tr>
<td>Beauty of Hebron</td>
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Late Seed Potatoes

<table>
<thead>
<tr>
<th>Name</th>
<th>Price per bushel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural New Yorker</td>
<td></td>
</tr>
<tr>
<td>Green Mountain</td>
<td></td>
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PRICES ON APPLICATION

MASTERS RAPID PLANT SETTER

A wonderful labor saving tool for transplanting Cabbage, Tobacco, Tomato, Sweet Potato, Cauliflower, Egg-Plant, Strawberry and all similar plants.

This Setter was originally designed to set cabbage plants, but has since been used with great success for many other plants.

Each plant is SET, WATERED and COVERED in one operation. The roots are firmly set by the absorption of the water almost as if they had grown there and every plant will grow even in the hottest, driest weather. You can set your plants just when your are ready regardless of the weather.

A Labor Saver

To operate this Setter you walk along in an upright comfortable position. There is no stooping or lame backs. All of the hard labor of setting plants is done away with. It is easy pleasant work. You can set 8000 to 15000 plants per day and do perfect work. This is more than three times as fast as hand setting. You actually do more in one day than three men can do by hand so that this Setter will pay for itself every day it is used.

It is the ideal tool for gardeners and should be in the hands of every farmer who has plants to set out. It is now recommended by most of the leading Agricultural Colleges over all other methods of transplanting. Is strongly built and will last for years.

Price $7.00 each

SATISFACTION GUARANTEED OR YOUR MONEY BACK

Send for Special Circular

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
**ASPARAGUS**

*Speciosum (Gr.)*
Culture—In permanent beds, cut and transplant once a year or in spring when growth is 6-8 inches high. It is well to keep the soil firm and well supplied with water. The beds should be moved occasionally to keep the soil fresh and the plants growing vigorously. The second year the bed is used, it is advisable to mulch with straw or other organic matter. The third year the bed should be left fallow to give the plants a chance to grow strong and produce a good crop of spears. The fourth and fifth years the bed can be used, but it should be dug and cleaned out thoroughly before planting. After six or seven years the bed should be left fallow again. This practice of rotating the beds will prevent the disease known as black rot, which is a serious pest of asparagus. The disease is caused by a fungus that attacks the roots and crowns of the plants. By changing the beds, the fungus is forced to seek new hosts and the disease is thus prevented.

**BEANS—Dwarf Wax Varieties**

*Faginoli (It.)*

**Davis Wax**—A very hardy and productive variety, desirable for home gardens. Pods long, five and a half to six inches, straight, light yellow, seed kidney-shaped. Plants vigorous, with short runners. Pods produced in abundance; about five inches long, stringless, light yellow, wax-like and handsome. Seed similar to a light colored Golden Wax. Pt. 25c; qt. 50c; bu. $14.00.

**Wardwell's Kidney Wax**—This variety matures a little later than the Golden Wax. Yields a large crop of long, nearly straight, broad, creamy white, handsome pods. These are of large size, about six inches long, and are of good quality; seed stringless, white with dark markings about the eye. Pt. 25c; qt. 50c; bu. $16.00.

**Keeney's Rustless Golden Wax**—Vines strong and vigorous, with short runners. Pods produced in abundance; about five inches long, stringless, light yellow, wax-like and handsome. Seed similar to a light colored Golden Wax. Pt. 25c; qt. 40c.

**Currie's Rust-Proof Wax**—Pods straight, rather flat, five inches in length, and of a light golden yellow; seed black. Pt. 25c; qt. 50c.

**German Wax, Black Seeded**—This variety takes advantage of the place of the old black wax or butter bean and is much better in every respect. Vines medium sized, with small foliage, very vigorous, hard and productive, maturing about midseason. Pods medium length, four and one-fourth to four and one-half inches, borne well up from the ground, curved, cylindrical, fleshy and of a clear, light golden yellow color, and remain a long time in condition for use as snaps. Seed small, oblong, jet black. Pt. 25c; qt. 50c; bu. $14.00.

**Round Pod Kidney Wax**—This midseason variety is exceedingly handsome and very desirable, especially for snaps for the home garden. The vines are dwarf, spreading and very productive. The leaves are roughened. The pods are long and round, five and one-half to six inches, slightly curved, light yellow, wax-like, stringless and of the best quality. They are uniformly perfect, an ill shaped one being rarely seen. Seed long, cylindrical, medium sized, nearly white, with a little dark marking about the eye. Pt. 25c; qt. 50c; bu. $14.00.

**Hodson Wax**—The vines of this variety are exceedingly vigorous, hardy and productive. The pods are handsome, clear creamy white, very long, six to seven inches straight, slightly curved, and cover with two or three inches, when quite young; matures its crop late. Seed long, cylindrical, purplish red splashed with pale buff. Pt. 25c; qt. 40c; bu. $12.00.

**Grenell Rust-Proof Wax**—Vines a little more upright and harder than the Golden Wax. Seed dark yellow; pods wax about five inches long, broader and flatter than Golden Wax but slightly inferior in quality. Seed similar to our Golden Wax but darker. Very popular with some gardeners. Pt. 25c; qt. 50c; bu. $14.00.

**BEANS—Pole**

**Kentucky Wonder**—This remarkably vigorous growing, green podded pole bean has very long pods somewhat broad, very fleshy and quite stringless as snaps. The mature pods are often eight to nine inches in length. Seed medium sized, oval, flattened, very irregular, dark-brown. The seed even from the most matured crops is usually somewhat shriveled in appearance and is unexcelled in quality by any green podded bean of its class. Pt. 30c; qt. 60c.

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*All Prices Subject to Change Without Notice*
BEANS—Dwarf or Bush Lima

Culture—Select land that is especially warm, rich, and well supplied with vegetable fibre or humus. Plant as soon as the soil has become warm in the spring. Make the rows 2 feet apart and give to each plant 6 inches space in the row. A top dressing of poultry manure, ashes, or some good fertilizer or compost around the plants will be of much benefit in hastening maturity and increasing the yield.

Dreer’s Bush Lima A dwarf variety of the Dreer’s Improved Lima. The beans grow close together in the pods, producing 3 to 4 and sometimes 5 in a pod, and are thick, sweet and succulent. Pt. 35c; qt. 60c.

Burpee’s Bush Lima True bush form of large white Lima, bush 15 to 20 inches high, 24 to 30 inches diameter, supported by its own thick stems. For productivity and quality of beans it is not surpassed. Pt. 35c; qt. 60c.

Fordhook Bush Lima An improved dwarf Lima of the Kumerle type. The plant is vigorous, bearing a well-filled pod. Beans are large, 3 to 5 inches long, contain three to five large beans of exceptionally fine quality. Pt. 35c; qt. 60c.

BEANS—Pole Lima

Ideal Pole Lima One of the largest and most valuable Lima beans yet introduced. Vines unusually vigorous, very productive, bearing large clusters of broad pods, each to six to seven inches long, and containing four to six large beans of most excellent quality. While the variety matures a little later than Seibert’s Early Lima, the pods are much larger and no Lima grown is more attractive. Pt. 25c; qt. 50c.

King of the Garden Lima Vines very vigorous and productive. Pods five to six inches long, filled with four or five immense white beans of the finest quality. On account of its large pods it is a favorite with market gardeners. It will come into bearing sooner and will make larger pods if not more than two vines are left to grow on a pole. Pt. 40c; qt. 75c.

Seibert’s Early Lima in dullness, ease of shelling, size, beauty and quality of the green beans, this variety is far in advance of all other early Limas for either the garden or market. The vine is vigorous, very productive and continues so from the very first to the last pods of the season; pods although they rarely contain more than four beans the total yield is enormous. Pods about five inches long. The green shelled beans are very large, very tender and of the finest quality. Pt. 25c; qt. 50c.

Jersey Extra Early Lima Large, early and productive. Pt. 25c; qt. 50c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
The best results are obtained on a deep, rich, sandy loam. If wanted very early, sow such sorts as Crosby’s Egyptian or Detroit Dark Red in hotbeds and transplant, cutting off the outer leaves. For general crop sow in actively prepared soil as soon as the ground will permit, in rows eighteen inches apart covering about an inch deep and pressing the soil firmly over the seed. For winter use the turnip varieties may be sown in June so as to mature late in the season.

**Extra Early Egyptian Blood Turnip**

The best variety for forcing and excellent for first early crop out of doors, being very early with small tops. Root very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about two inches in diameter when mature. Flesh dark purplish red, zoned lighter shade. Oz. 20c; ¼ lb. 40c; lb. $1.50.

**Early Wonder or Crosby’s Egyptian**

The name of this variety is misleading, as it resembles the Egyptian only in its extreme earliness. Tops small. The beets are flattened globe shaped and very smooth. Exterior color of beet bright red. The flesh of our strain is bright vermillion-red, very sweet, tender and of excellent quality. It becomes fit for use sooner than any other variety. These beets mature so evenly that every beet can be pulled in two weeks. Oz. 20c; ¼ lb. 60c; lb. $2.00.

**Detroit Dark Red**

We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. Tops small, upright in growth. Very smooth and of dark blood red color. Flesh is deep vermillion-red, zoned with a lighter shade of the same color. Careful comparisons with all the prominent varieties on the market in this country and in Europe prove that the Detroit Dark Red Beet is the most uniform in shape and size and the most attractive in color. It is unsurpassed in quality. Oz. 20c; ¼ lb. 75c; lb. $1.50.

**Early Eclipse**

An early beet especially desirable for the home garden. Tops small. Root bright deep red, smooth, round. Flesh bright red, zoned with pinkish white; very sweet, crisp and tender. Oz. 15c; ¼ lb. 40c; lb. $1.50.

**Edmand’s Early Blood Turnip**

Tops short and rather spreading; ribs and leaf stalks dark red. Root nearly round; exterior color dark red, interior color purplish red with little zoning; crisp, tender, sweet and an excellent keeper. Oz. 15c; ¼ lb. 40c; lb. $1.50.

**Crimson Globe**

A perfect beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener’s sort, but one of the best for the kitchen garden, as it is extra early. Oz. 15c; lb. $1.50.

**Bastian’s Early Blood Turnip**

An early, bright red, turnip shaped beet of very good quality. Root thick, medium sized tap. Flesh light purplish red; crisp and tender. Oz. 15c; ¼ lb. 40c; lb. $1.50.

**Dewing’s Blood Turnip**

Tops medium sized; leaf stem and veines dark red; leaf green. Root dark purplish red, turnip shaped with medium sized tap. Flesh carmine with purple tinge. A medium early sort, tender, sweet and a good keeper. Oz. 15c; ¼ lb. 40c; lb. $1.25.

**Half-Long Blood**

A fine variety for either spring or winter use. The roots are smooth, flesh bright red and quality excellent. For winter use the seed should be sown early in July. Oz. 15c; ¼ lb. 40c; lb. $1.50.

**Swiss Chard, or Sea Kale Beet**

A variety of beet, juicy, tender, light colored leaves and leaf stalks, which are much superior to those of other beets for use as greens. Later in the season the broad, flat, wax-like leaf stems are cooked or pickled. This variety is worthy of a place in every garden. Known also as Silver or Spinach Beet. Oz. 15c; ¼ lb. 40c; lb. $1.50.
MANGEL BEETS, Mangel Ruben

Mangel Wurzels For stock feeding. We should learn a lesson from our brother farmers in Canada and grow root crops much more extensively for stock feeding, which produces the greatest results for the labor and money invested.

Golden Tankard A smooth, yellow fleshed Mangel. The roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. It grows largely above the soil and is easily harvested. It yields enormous bulk on good land and can be grown closely in rows. Oz. 10c; ½ lb. 80c; lb. $1.00.

Golden Giant, or Yellow Leviathan Very fine large roots, growing one-half above the surface, which renders the harvesting easy. Skin a rich golden yellow, flesh pure white and sweet in flavor. It is a magnificent root easily harvested, producing enormous crops, and is a fine keeper. Oz. 10c; ½ lb. 30c; lb. $1.25.

Mammoth Long Red This is a heavy cropper and a large yelder. The roots grow from one-half to two-thirds above the surface, and are frequently two or more feet in length by six inches in diameter. Dark, richly colored foliage, skin dark red, flesh white with veined rings of rose pink. Oz. 15c; ½ lb. 35c; lb. $1.25.

Yellow Ovoid The roots are of a true globe shape, from six to eight inches in diameter. Skin rich orange yellow, flesh white with lemon yellow rings. Sweet and solid. Oz. 10c; ½ lb. 30c; lb. $1.00.

Danish Sludstrup Mangel This most wonderful Mangel is a long reddish yellow root but not so long as the Mammoth long red, it grows more above ground, is very easily harvested, and requiring but little exertion to pull same. They frequently weigh from 15 to 20 lbs. The Danish farmers prefer them smaller, 6 to 10 lbs. each, which is accomplished by allowing less space between rows. The smaller roots contain a higher percentage of dry matter, consequently the crop is more valuable. Oz. 10c; ½ lb. 30c; lb. $1.00.

Lane’s Imperial This beet will yield almost as much in bulk as the best Mangels, and contains a large percentage of sugar. Roots smooth, broad at the shoulder, gradually tapering to the base. Flesh snow-white. Oz. 10c; ½ lb. 30c; lb. $1.00.

Ideal Sugar Mangel Beet The illustration faithfully shows the shape of this wonderful Mangel. It is a perfect chunk of a beet, being as large at the bottom as at the top. Stands two-thirds above ground. Is easily harvested even on hard soils. This new and original Mangel has been tested by many hundreds of other Mangels and by strict laboratory tests on trial grounds and field demonstrations, has proven to be IDEAL and superior in quality.

It contains the greatest amount of dry matter.

It contains the greatest amount of sugar of any Mangel.

It grows high above ground.

It is very easy to harvest.

The IDEAL MANGEL has under favorable conditions weighed as high as thirty pounds.

Skin light yellow, flesh light yellow.

We have imported the IDEAL MANGEL from the originator in Europe for many years and this particular type can only be secured from the grower in Europe. Oz. 15c; ½ lb. 30c; lb. $1.75.

NOTE THE FOLLOWING TESTIMONIAL

"Syracuse, N. Y."

F. H. Ebeling:

Dear Sir—I have grown Mangel Beets for years on my Homer Farm, but in recent years THE IDEAL MANGEL only, which I consider the most satisfactory, because of its large percentage of sugar, the ease of harvesting and the feeding results obtained. Last season I grew about four acres; yield 11½ tons of harvested Mangels. This year I intend to increase my acreage.

Yours very truly,

CHARLES M. CROUSE."

BROCCOLI

The heads resemble somewhat a coarse cauliflower and the culture is the same in all essentials as for that vegetable. Broccoll is adapted only to those sections where the season is long, cool and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than cauliflower.

Early Large White French This is probably the most useful variety. Plants very hardy, vigorous and easily grown. Heads white, compact, hard and of good quality. Oz. 40c.

Ideal Sugar Mangel Beet

BRUSSELS SPROUTS Cavoli di Brusselles (It.)

This vegetable is used in the fall and early winter and by some considered more tender and delicious than any cabbage. The plant resembles the cabbage, the edible part being the numerous very small heads or sprouts an inch or two in diameter formed on the stalk at each leaf joint. Culture is at least as easy to culture. Cultured the same as for cabbage, except the leaves should be broken down in the fall to give the little heads more room to grow.

Improved Half Dwarf Probably the most useful variety, plants growing one and one-half to three feet high, very hardy and giving compact, round sprouts of large size as for cabbage. Oz. 30c; lb. $3.00.

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CABBAGE, Kopf-KohI

It is difficult to give definite cultural directions for cabbage, since it is possible to have good cabbage at all seasons of the year in some part of the country, and seed can be planted almost any time of the year. There are three good seasons for sowing the seed, however—in September for late Winter and early Spring cabbages, in early July for Summer and Pottugh cabbages, and in June and July for winter cabbages. The seed bed should be thinned early, or the plants become spindling, and do not head well. Transplanted to the field, they should be put twelve inches apart, in rows eighteen inches apart.

**Early Jersey Wakefield**

Oz. 30c; 1/4 lb. $1.00; lb. $4.00.

**Copenhagen Market**

This new Danish cabbage is the largest and earliest bell-shaped variety known. Heads very solid, of wonderful quality, with small cores and weighing from 10 to 15 pounds. Oz. 50c; 1/4 lb. $1.65; lb. $6.00.

On August 5, 1930

Frank L. Scoville, Buckley Road, Liverpool, N. Y., R. F. D., brought in six heads of Copenhagen Market Cabbage, grown from our seed, which weighs 137 lbs. The heaviest head weighed 29 lb. This is a most remarkable showing of this celebrated strain of Early Cabbage. From the fact we have any knowledge, and believe this to be the "Banner" specimen known to the market gardeners. Mr. Scoville will be glad to verify the above.

**Glory of Eukhuizen**

A very large early cabbage, nearly round, very solid, and which has proved to be one of the most profitable of the early market cabbages. Pkt. 10c; oz. 50c. 1/4 lb. $1.65; lb. $5.00.

**All-Head Early**

Our ALL-HEAD Early is of special value, having fine outer leaves, head very large, very solid, flat but very deep and well shaped. Fine for Kraut. Oz. 35c; 1/4 lb. $1.00; lb. $4.00.

**Flat Dutch**

A fine, very large, late winter variety. Very popular on account of size, quality and yield. Oz. 75c; 1/4 lb. $1.40; lb. $5.00.

**Late Drumhead**

One of the old-fashioned big-growing sorts. So well known that a description is unnecessary. Oz. 35c; 1/4 lb. $1.25; lb. $4.00.

**Danish Ball-head**

Short stemmed. We consider this the best strain of Danish cabbage. The heads are large, almost perfectly round, very hard, solid and of good deep green color. This strain of seed produces larger heads and consequently heavier yields than the old style Danish cabbage. A number of large fields in this locality have yielded as high as 22 tons per acre. There is no finer strain than this. Oz. 50c; 1/4 lb. $2.00; lb. $6.00.

**Danish Ball-head**

"Solid Emperor" strain. This is the old style Danish cabbage with tall stems and medium size heads which are deep green, very hard and keep better than any other kind. The yield is usually a few tons less per acre than the "Short Stemmed" strain, but on account of its splendid keeping qualities the "Solid Emperor" strain is sometimes preferred. Oz. 50c; 1/4 lb. $2.00; lb. $6.00.

**Succession**

We consider it one of our most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but double the size. Price. oz. 40c; lb. $5.00.

**Mammoth Rock Red**

While late in maturing this has the largest heading of all the deep red varieties. Oz. 75c; 1/4 lb. $2.50; lb. $8.00.

**Red Drumhead or Large Red Dutch**

Heads of large size, slightly rounded. Fine quality. Oz. 50c; 1/4 lb. $2.00.

**Globe Savoy**

The earliest and sweetest of Savoys or curled cabbages. The head is round, solid. Leaves small, thick, fleshy and of fine deep green color. Excellent quality. Oz. 75c; 1/4 lb. $1.50; lb. $6.00.

**American Victoria Savoy**

The best of the late Savoys for house use or for the market. The plant is robust with short stem. Is very much curled or wrinkled. A sure header of large size and the best of the Green Globe Drumhead Savoy. Oz. 50c; 1/4 lb. $1.75; lb. $6.00.

**Chinese or "Celery Cabbage"**

Feta. Oz. 40c; 1/4 lb. $1.25; lb. $4.50

**Remedy for Cabbage Worms**

One quart salt, mix with one tablespoon Cayenne Pepper. Sprinkle moderately into heart of cabbage. Apply once a week for several weeks. Will keep worms off and produce perfect heads. Formula given by Mr. John Huller, 557 Erikson, Eastwood, N. Y.

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE**
CARROTS

Carrots to grow to perfection require a deeply cultivated, rich and well pulverized soil. Sow early in the spring as soon as the soil is fit to work, in drills 15 to 18 inches apart, covering one inch deep, and press the soil firmly over the seed. If desired to cultivate with horse, make rows three feet apart.

Early French Forcing The earliest variety in cultivation and the best suited for forcing. Tops small, finely divided. The reddish-orange colored roots are nearly round. When fully matured they are about 2 inches in diameter, but should be used before they are full grown and white and tender. Oz. 15c; lb. $1.50.

Half Long Nantes Tops of medium size; roots cylindrical and smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core. Of the finest quality and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden. Oz. 15c; lb. $1.50.

Early Short Horn Excellent for early planting out of doors. Tops small, coarsely divided; roots top-shaped, but tapering abruptly to a small tap; skin orange-red. Oz. 15c; lb. $1.25.

**GUERANDE OR OX HEART CARROT**

Guerande, or Ox Heart Tops small for the size of the roots which are comparatively short but often reach a diameter of 5 inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young excellent for table use, and when mature equally good for stock. Oz. 15c; lb. $1.25.

Chantenay Tops medium sized; necks small; roots tapering slightly but uniformly stump rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Oz. 15c; lb. $1.25.

James Intermediate A variety intermediate between the Danvers and Long Orange. It tapers to a point not so blunt as the Danvers and is more symmetrical and not so long as the Long Orange. Oz. 15c; lb. $1.25.

Long Orange The most popular of the older sorts for farm use on mellow soil. An improvement obtained by years of careful selection of the best formed and deepest colored roots. Oz. 15c; lb. $1.25.

**CHANTENAY CARROT**

Danvers Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size, coarsely divided. The smooth and handsome roots are deep orange of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. Although the roots of this variety are short, they produce as large a bulk as the longer field sorts and are more easily harvested. Oz. 15c; lb. $1.25.

White Belgian Grows one-third out of the ground. Root white, green above ground, with small top. Flesh rather coarse. The roots are of large size and the variety is extensively grown for stock feeding Oz. 15c; lb. $1.00.

Improved Short White We think this delightfully short variety is destined to take first rank as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Oz. 15c; lb. $1.00.

**DANVERS CARROT**

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

FOR SALE—BIG BOY WATERLOO ENGINE—A BARGAIN
CAULIFLOWER

Cavolo di Lucca (It.)

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March in a hotbed. When plants are three or four inches high, transplant four inches apart in boxes or frames. In the middle of the spring or as soon as deemed prudent, the plants may be removed to open ground. Set plants from 2 to 2 1/2 feet apart each way. For late Cauliflower sow the seed in a cool moist place about June 1st.

Early Snowball

The most popular and profitable of the Cauliflower family. Heads of uniform size, snowy white, very tender and owing to its attractive appearance a most desirable market variety. This seed is imported from our Denmark growers under contract, being the best known source for cauliflower seed. Oz. $2.75; 1 lb. $10.00.

Danish Giant or Dry-Weather

This strain of Snowball Cauliflower is especially valuable for high ground, as it is more vigorous than the Early Snowball, and stands dry weather better. The heads are a little larger than Snowball and mature a week or two later and have more leaves to protect them from the sun and frost. Oz. $2.75.

Extra Early Paris

An excellent early sort, and under favorable conditions will produce splendid results. Not as sure a header as the Snowball and Erfurt. Oz. $1.00; 1/4 lb., $3.75.

CELERY

Selerie (Gr.)

CULTURE.—Celery seed is slow to germinate, and ample time must be given. Sow thinly; when the seedlings are one inch high transplant on about 7,500 plants per ounce of seed, or 1/4 pound per acre. When the seedlings are 3 inches high they should be clipped at the top, to favor stocky growth, or else transplanted. Celery is mostly grown under flat culture, without trenches, in rows 4 feet apart, 6 inches apart in row. For home use celery is often grown in double rows, 10 inches apart, without trenching, and banked for winter storage just where it grows, without lifting.

Golden Self-Blanching

This is the very best celery for early use. It is in condition as early in the fall as any, and we have yet to find an extra early sort equal in quality and appearance to our stock of GOLDEN YELLOW SELF-BLANCHING. Critical gardeners and consumers generally depend upon this variety to produce their best early celery. Plants of medium size, compact and stocky—with yellowish green foliage. As they mature the inner stems and leaves turn a beautiful golden yellow, so that blanching is effected at some small expense of time and labor. Oz. 75c; 1/4 lb. $2.00; lb. $7.00.

Columbia

An early maturing sort, unsurpassed in shape and quality. Plants of medium height, but very stocky and heavy. The stalks are thick—almost round. Similar to the Giant Pascal. With color of a rich yellow tint. Like the Golden Self-Blanching and which it resembles when trimmed and bunched ready for market. The foliage of a light shade of green tinged with yellow. Follows the Golden Self-Blanching. Quality exceptionally fine. Some connoisseurs consider it equal to the Golden Self-Blanching. Oz. 40c; 1/4 lb. $1.50; lb. $6.00.

White Plume

A handsome, very early sort. In great demand as a market celery, owing to its very attractive appearance. Requires a short time only for blanching. Leaves light green with tips almost white. As the plants mature the inner stems and leaves turn white, and require to be earthed up but a short time before they are in condition for use. While very attractive we do not consider it equal to the Golden Yellow Self-Blanching. Oz. 25c; 1/4 lb. $1.00; lb. $3.00.

Easy Blanching

A new variety of great merit. The habit is dwarf and compact, with light green foliage which has almost a yellowish hue. It is very easily blanched and might be termed a second-early variety, as it is ready for use to follow Golden Self-Blanching. Due to the solidity of the stalks it is a first-rate keeper, and may therefore be grown for winter and spring use. The flavor is first class, while the stalks are pure white, heavy and crisp. Oz. 35c; 1/4 lb. $1.00; lb. $3.50.

Giant Pascal

A splendid green leaved late variety, fine for fall and early winter use. It blanches to a beautiful yellowish white color. Very solid and crisp and of a fine nutty flavor. Stalk of medium height, very thick. The upper portions nearly round. Splendid for fall and winter use, especially in the South. Oz. 35c; 1/4 lb. $1.00; lb. $3.00.

Winter Queen

This is without question the most valuable variety of celery for winter and spring use, excelling the celebrated PERFECTION HEARTWELL as a winter keeper. It is also much stouter, thicker and heavier with double the amount of heart of any known celery. Oz. 35c; 1/4 lb. $1.00; lb. $3.50.

Sutton’s Superb Pink

English grown seed stock. Very crisp, sweet and tender celery for family use. 1/4 oz. pkt. 50c.
Large Smooth Prague
The best of all with a large smooth root of splendid quality. Pkt. 6c; oz. 35c.

Apple Shaped
Not as smooth as the Prague, but of equal quality and good form. Pkt. 10c; oz. 35c.

Turnip Rooted
This is the most popular and best known variety. Per pkt. 10c; per oz. 35c.

Clorhoni-Wurzel (Gr.)
Welschkorn (Gr.)
A rich, warm alluvial soil is the best, but excellent sweet corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. In the North sweet corn should be planted as early as can be done without risking great loss from frosts or from rotting in the ground. In large fields, make the rows about three and one-half feet apart and place the seed fourteen to sixteen inches apart in the row, covering one inch deep with fine soil firmly pressed down. It planted in hills, make the hills for the early varieties three feet apart each way and plant six kernels to the hill. For the later sorts the hills should be not less than three and one-half feet apart each way. Hoe frequently, and when six inches high leave three or four plants in the hill.

Early Mayflower
A new extra-early white variety, fit for use as early as those of any variety in cultivation. They are similar in appearance to Country Gentleman, but the color is rich, nutlike and delicious. The stalks make a rapid growth, producing from 5 to 4 ears each. This new variety possesses good, white, and of remarkably good quality. Qt. 40c; bu. $1.20.

Cory's Early
A most excellent early variety of fine quality. Ears five and one-half to six and one-half inches long, fourteen rowed or more, with short narrow square grains which are very white, sweet and tender. Plants about four and one-half feet high. Qt. 40c; bu. $1.00.

Golden Cream
(Or Improved Golden Bantam). A between Golden Bantam and Country Gentleman. The ear is similar in appearance to Country Gentleman, but the color is rich, cream, cooking to a light golden yellow. The flavor is rich, nutlike and delicious. The stalks make a rapid growth, producing from 5 to 4 ears each. This new variety possesses good white quality and we recommend that all lovers of good corn give it a trial. Qt. 50c; 1/4 bu. $3.00; bu. $1.00.

Golden Bantam
A beautiful golden yellow, sweet and tender. In season it comes in mid-summer about the time of Improved Champion. A most important point in favor of Golden Bantam is that it holds its quality longer after being picked than any other variety we have tested (one of the greatest advances in sweet corn in this country in twenty years). As a market variety for wagon or fancy grocery trade. Golden Bantam has many points in its favor. It is of merchantable size, and in addition it possesses superlative quality. Qt. 50c; 1/4 bu. $4.00; bu. $12.00.

Golden Evergreen Sweet Corn
New variety, extra very sweet and tender, and keeps in eating condition longer than most sweet corns. Ten days to two weeks earlier than Stowell's Evergreen. Cross with Stowell's Evergreen and Sweet Orange, which is a second early, yellow, very tender and extra sweet variety. Golden Evergreen has a medium sized ear and stalk, making it a desirable sweet corn for market gardeners. Original Stowell's Evergreen a few years ago by Charles Coolidge, a market gardener of Ontario county, N. Y. Took first premium at the N. Y. State Fair in 1916 and 1917, only times exhibited. Qt. 50c; 1/4 bu. $4.00.

Howling Mob
This corn originated in Ohio and it became so popular it was given the above name. The endeavor of the originator of this corn, was to get as large an ear as possible, early in the season and of medium length. This corn is of strong and vigorous growth, from 4 1/2 to 5 feet high and has abundant foliage and generally produces to ears to each stalk. Ears measure 7 to 9 inches in length with 12 to 14 rows. The corn is very white, usually covered with a light husk which extends well over the tip of the ears which affords a good protection from worms and birds. Qt. 40c; pk. $3.00; bu. $10.00.

Perry's Hybrid
have a red or pink cob; grain medium sized, cooked very white and tender. Matures a little later than early Minnesota. Qt. 50c; 4 pts. $2.00; bu. $10.00.

Black Mexican
This corn, when in condition for the table, cooks a bluish black and it is surpassed by none in tenderness and is a most desirable. Pkt. 40c; 4 pts. $1.50; bu. $10.00.
Early Evergreen  We have tested many samples of Evergreen corn that were claimed to be earlier than Stowell's Evergreen and to be just as good, but we have never found any of them so valuable as the stock of this variety we offer. It has been proven both on our trial grounds and in the field to come into fit condition for use much earlier than Stowell's Evergreen and to remain in condition quite as long. Ears about seven inches long, with fourteen to twenty more or less irregular rows with very deep grain which is of the very best quality. Plants average from six and one-half to seven feet high and resemble those of Stowell's Evergreen, but differ in earliness and we think are more uniform. A standard main crop variety for home garden and market; also well adapted for canning. Qt. 50c; 4 qts. $2.00; bu. $10.00.

Stowell's Evergreen  This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain, which makes it less sugary and desirable. We have a large and growing trade among canners and market gardeners who must have a genuine Stowell's Evergreen, and our stock is known as the safest for all purposes. Qt. 50c; 4 qts. $2.00; bu. $10.00.

Country Gentleman  There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high class restaurant trade use this as a main crop in preference to any other. For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit. Qt. 50c; 1/4 bu. $3.50; bu. $10.00.

Early White Cob Cory  Kernels are large, of good quality. Qt. 40c; 4 qts. $1.50; bu. $10.00.

Early Red Cob Cory  One of the best extra early varieties. Ears are about six inches long and eight-rowed and well filled. This variety sweet corn than Red Cob Cory. Qt. 50c; 4 qts. $1.50; bu. $10.00.

CORN SALAD  Valeriana (It.)

**Feldsalat** (Gr.)
Large round leaved or small seeded. Oz. 20c; lb. $1.75.

**Curled**
Treat like parsley. A valuable flavoring herb. Oz. 20c; lb. $2.00

**Kresse** (Gr.)
Fine for salads.

**Cress**
Garden curled. Oz. 15c; lb. 85c.

**Water Cress, Dwarf**
Fine curled, grows in shallow water. Oz. 60c; lb. $6.00.

CUCUMBERS  Cetriolo (It.)

CULTURE.—Flourish best in a rich, warm, sandy loam. Sow when danger of frost is over in hills or five feet each way. As the young plant has many enemies sow thickly and turn out finally to three or four plants to the hill. Use one ounce of seed to 15 hills, two to three pounds to the acre. Gather cucumbers by cutting, not tearing. Leave none to ripen if you want a full crop.

The Above Shows the True Type of Cucumbers
No. 1, Early Cluster; 2, Long Green; 3, Early Frame; 4, Early Russian; 5, White Spine

**Early Russian**  The earliest variety and probably the hardest. Fruit 3 to 4 inches long. 1/2 to 2 inches in diameter, oval, pointed at both ends and covered with fine, small spines. Vine of vigorous growth and productive. Oz 15c; 1/4 lb. 40c; lb. $1.25

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
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. Oz. 15c; 1/4 lb. 40c; lb. $1.25.

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 produces fruit of suitable size for slicing. Oz. 15c; 1/4 lb. 40c; lb. $1.25.

Improved White Spine, or Arlington Larger than Improved White Spine. Excellent for forcing.

Peerless White Spine Oz. 15c; 1/4 lb. 40c; lb. $1.50.

Long Green Fruit from 10 to 12 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. Oz. 15c; 1/4 lb. 60c; lb. $1.50.

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, prolific, bears a long time. Oz. 15c; 1/4 lb. 60c; lb. $1.50.

Japanese Climbing A vigorous grower, with strong, grasping tendrils which enable it to climb trellis, netting or brush. Fruit of good size. Oz. 20c; 1/4 lb. 60c; lb. $2.00.

Boston Pickling This variety is preferred above all others by some of the largest pickling establishments in Chicago and elsewhere. It is one of the best for the purpose, combining almost every good quality, and being alike satisfactory to grower and pickle maker. I have a choice strain of this seed. Oz. 15c; 1/4 lb. 40c; lb. $1.25.


Rollison’s Telegraph A curious, rough, little cucumber, used exclusively for pickling, for which purpose it is in high favor. Makes handsome pickle of first-class quality. Oz. 20c; 1/4 lb. 60c; lb. $2.00.

Small Gherkin TO PROTECT MELONS, CUCUMBERS AND SQUASH FROM BUGS, ETC.

Sow a ring of buckwheat around the vines. (Do not cover.) Also place some moth balls on the ground around the melons to keep off the bugs, etc.

EGG-PLANT

Eggplant (Gr.) CULTURE.—Plant the seed in March in a hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows two feet apart each way. They require rich soil and as favorable a location for warmth as the garden will afford. One ounce to one thousand plants.

Black Beauty Considered the earliest of the large fruited varieties. Color, a rich purple. Pkt. 10c; oz. 50c; 1/4 lb. $2.00; lb. $6.50.

New York Improved Purple Surpassing all in size of fruit. Standard market sort. Oz. 50c; 1/4 lb. $2.00; lb. $7.00.

SENDIV Endivia (It.) "Escarole" Broad Leaf CULTURE.—Sow as soon as the ground can be worked, in drills 6 inches apart, and thin plants to 6 to 8 inches in a row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or any soft fibrous material. The leaves are very highly esteemed for use as salads. One ounce will sow 150 feet of drill.

Fine Moss Curled Very ornamental. A little more curled than the London. Pkt. 10c; oz. 20c; 1/4 lb. 60c; lb. $2.00.

London Green Curled A standard sort. Pkt. 10c; 1/4 lb. 60c; lb. $2.00.

Broad Leaved Batavian A large size summer variety. Pkt. 10c; oz. 20c; 1/4 lb. 60c; lb. $2.00.

HERBS

GARLIC

KNOBLAUCH (Gr.) Sets, Oz. 25c; lb. $1.00.

Blaetterkohl (Gr.) 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. 20c; 1/4 lb. 50c; lb. $1.75.

Kohl-Rabi Cavolo rapa (It.)

Knollkohl (Gr.) White, above ground. Pkt. 10c; oz. 25c; lb. $3.00.
Pulpe, above ground. Pkt. 10c; oz. 25c; lb. $3.00.

American Broad Flag The standard variety. Pkt. 10c; oz. 35c; 1/4 lb. $1.00; lb. $3.50.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
LETTUCE

**Lohuga (lt.)**

**Grand Rapids** (Black Seed) — As a greenhouse forcing lettuce this stands at the head of the list. Quick growing, very hardy — not liable to rot. Will remain in good condition several days after harvest.

**Onondaga** This remarkable variety was introduced but 8 years ago. A splendid greenhouse sort, slightly fringed, forming a semi-head. The plants thrive and produce a large cluster of large thin bright green leaves. Very attractive and desirable for garnishing and keeping variety, green under glass and of slightly reddish cast when grown in the open.

**Hanson Head** (Seed white.) A very desirable late summer lettuce. The plant is compact and forms a cabbage-like head which remains in condition longer than summer-head sorts. Outer leaves bright, yellowish green and broad. Somewhat crumpled and frilled edge and with a distinctive mid-rib. Inner leaves white, crisp and sweet.

**Paris White Cos** In shape from other sorts. Head being elongated and of conical form, about one inches in height and about six inches in diameter. Outer coloring yellow green. To secure best results it should be tied up.

**Yellow Seeded Butterhead** Cabbage Butterhead, medium large. Medium green, leaves crumpled and rather thick. Slightly tender as silver ball.

**Deacon Head** Cabbage Butterhead, medium size, medium green. Leaves thick. Does not form a decided head but a well folded one, which is very oily and golden yellow inside.

**Denver Market** Cabbage, butter head, medium small size, medium green. One of the old standard varieties, and in our experience have found it identical with White Seed Tennis ball.

**New York Head** Cabbage or crisp as Iceberg, dark green heads somewhat conical.

**Old Lettuce Seed for Birds**

**ST. LOUIS**

**MUSKIMELON**

**Popone (lt.)**

**Paul Rose, or Petoskey** This excellent melon is the result of a cross of the Osage and Netted Gem, and combines the sweetness of the former with the appearance of the Gem. Fruit oval, finely netted, about 5 inches in diameter. Flesh rich orange and even sweeter than the Osage.

**F. H. EBELING, SEEDS AND FARM SUPPLIES, SYRACUSE, N. Y.**
Emerald Gem Fruit of medium size, skin very dark green, generally smooth; flesh thick and of most varieties, in color rich and salmon, and not surpassed in richness and flavor. More certain to produce uniformly good melons than is perhaps any other variety. Oz. 20c; 1/4 lb. 50c; lb. $1.75.

Rocky Ford (Netted Gem) than any other of the small or basket melons and shipped in enormous quantities from California and Arizona. Fruit oval, slightly ribbed, dense, tender, and juicy; skin green, thick, very sweet and of rich flavor. Oz. 15c; 1/4 lb. 40c; lb. $1.25.

Improved Green Nutmeg Large, round, slightly fluted at both ends, ribbed and covered with coarse netting; flesh thick, of fine flavor. Vine vigorous and productive. Oz. 20c; 1/4 lb. 40c; lb. $1.25.

Benders Surprise A fine variety of exceptional merit. The fruits are round and deeply ribbed and finely netted. A salmon fleshed, thick meated. Oz. 20c; 1/4 lb. 40c; lb. $1.25.

Extra-Early Hackensack Fruit of good size, nearly round. Flesh green, a little coarse, but very juicy and sweet, and of good flavor. Vine very productive. Oz. 20c; 1/4 lb. 40c; lb. $1.25.

Vick’s Irondequoit The flesh is a beautiful dark orange, and the closely netted skin is pale yellow when ripe, giving it a most attractive appearance when exposed for sale or when cut for the table. The fruit is unusually large, in fact it is one of the largest varieties grown. The melons are distinctly ribbed and beautifully netted. The flesh is solid and very thick, having but a small seed cavity. The flavor of a well ripened “Irondequoit” is delicious, sweet, rich, spicy and melting—the very highest quality in muskmelons. 1/2 oz. 25c; oz. 20c; 1/4 lb. 75c; lb. $2.50.

Honey Dew Melon “Sweetest Melon Ever Grown.” During the fall of 1915 the first Honey Dew Melons were placed on the market. The product from slightly over two acres netted $860.00 on the Chicago market. These melons have sold at wholesale from 35 cents to $1.00 on Eastern Markets. The rind is a dull white when ripe. Partly ripe, the rind is like a thin cork. Pick the melon when the rind is ready to pick. The size runs from six to seven inches in diameter from top to bottom, and eight inches in length. The matured melons are practically all of the same shape and size. Flesh is a lime green and an almost honey sweet. This melon is the best of all shippers and will keep several weeks, so there is practically no loss from spoiled melons in shipping. This is one of the best market melons grown. Vines vigorous, and produces six to ten fine melons to the hill. Oz. 30c; 1/4 lb. 50c; lb. $3.00.

WATERMELON,

Sweet Heart Introduced in 1894 and is very popular as a shipping melon, particularly in the South. Vine vigorous and very productive, ripening its fruit evenly. Fruit of medium size, oblong in form, slightly tapering at stem end. Skin beautifully striped in dark and light green. Rind quite thin, but tough enough for shipping. Flesh bright red, remarkably firm, and of luscious quality. Oz. 10c; lb. $1.00.

Cuban Queen This magnificent variety was originally brought from the West Indies and seed first offered in 1881. The melons are of large size, oblong in form, slightly tapering at stem end. Skin beautifully striped in dark and light green. Rind quite thin, but tough enough for shipping. Flesh bright red, remarkably firm, and of luscious quality. Oz. 10c; lb. $1.00.

Peerless Sometimes sold as Ice Cream. One of the best early sorts for the home garden and for market gardeners direct to consumers. Vine moderately vigorous, hardy, productive. Fruit medium sized, oval, but somewhat uneven in shape, bright green, finely veined with a darker shade. Rind thin, flesh bright scarlet, solid, crisp and very sweet. Seed white. Oz. 10c; lb. $1.00.

Cole’s Early A very early melon; just right in size and shape. Oz. 10c; lb. 75c.

REMEDY FOR SQUASH, CUCUMBER AND MELON BUGS Put three leaves of garlic near each hill. (Do not cover moth balls.) This will drive away the bugs. Also, sow a little buckwheat near the hills and this will also keep away the bugs. This is a very easy and safe way of protecting your vines from heavy annual losses.

MUSHROOM

The Mushroom is an edible fungus of which there are numerous varieties. We handle the ordinary commercial variety cream and white color with loose gills which underneath are of pinkish-red, changing to liver color. The mushroom produces “seed” or spores and there is developed a white, fibrous substance in broken threads, called spawn, which is developed on stack and pressed into lumps and horse manure, pressed in the form of bricks. Mushrooms can be grown in cellars, in sheds, in boxes or sometimes in the open air. The great essential being a uniform degree of temperature and moisture. Our space is too limited here to give the necessary cultural directions, but these are published in book or pamphlet form.

Pure Culture Mushroom Spawn By a newly discovered process of selection and grafting, the strain of spawn is propagated so that large, vigorous and finely flavored mushrooms are reproduced. The spawn we offer is earlier, more productive and a marked improvement on wild spawn, either French or English. Brick (about 14 lbs.) 35c; 5 bricks $1.50.

WHITE MUSTARD

Leaves comparatively small and smooth, deeply cut or divided and of medium size and color, green. Plant upright, of rapid growth and soon bolts to seed. Leaves, when young, are mild and tender. Seed light yellow and larger than that of other varieties. Oz. 10c; lb. 75c.

Southern Giant Curled Leaves large, light green with tinge of yellow, much curled and frilled at edges. Plant upright or slightly spreading in growth. Highly esteemed in the South for its vigorous growth, hardiness and good quality. Seed small, reddish brown to nearly black. Oz. 15c; lb. $1.25.
Tall Mixed Garden

Sometimes called Indian Cress. Grown not only for ornament but the beautiful orange colored flowers and foliage are used for garnishing and the young leaves or shoots are excellent for salads. The green seed pods are greatly desired by many for use in mixed pickles. Early in spring sow, preferably in rather light soil, in rows 3 feet apart and 2 inches apart in the row, covering one inch deep. When the young plants are about four inches high thin to six inches apart in the row. The vines can be supported if so desired by stakes, strings or brush. Oz. 10c; lb. $1.25. For other varieties of Nasturtium see flower seed pages.

OKRA, OR GUMBO

The young seed pods are used in soups, stews, catsups, etc. Highly esteemed in the South. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about one foot apart in the row. Cultivate and keep free from weeds. The pods are in best condition for use when from one to three inches long.

White Velvet

Plant is about three and one-half feet high, early maturing and very productive. Pods white, long, smooth and are tender until nearly full sized. Oz. 10c; lb. $1.00.

Zwiebel (Gr.)

ONIONS

Cipolio (lt.)

How to Raise Onions for the Market

THE SOIL.—We prefer a soft, dark sandy loam, not too fine. This is much better if it has been cultivated with leguminous crops, kept clean from weeds and well manured for two years previous, because if a sufficient quantity of manure to raise an ordinary soil to a proper degree of fertility is applied at once, it is likely to make the onions soft. The same result will follow if we sow on rank mucky ground or on that which is too wet, and it is impossible to keep the onions tender at all for market. A large or preferable crop can be obtained on good loam, and it is essential to work the soil to a depth of not less than six inches. We recommend a large or preferably a medium sized hoe for working the soil when necessary. The shallows should be five to ten inches deep, and the furrows from ten to twenty inches wide. Water the soil well when it is in a proper condition to work, and allow it to dry thoroughly before planting.

PREPARATION.—Onions respond well to very liberal manuring. As much as forty loads of stock manure well composted or one ton of high grade commercial fertilizer per acre need be added with the seed, the seed used and the kind of onions desired. This seeding gives much larger onions than thick seeding. Four or five pounds per acre is the usual quantity needed to grow large onions. We prefer a drill that sows a very close row. We prefer a drill that sows a very close row. Cultivation.—As soon as the young plants can be seen in the rows give a shallow working with a rake or some other tool that pulverizes well the whole top soil. Work the crop again in a few days with a hoe or tool that cuts the ground over, this time as closely as is possible to the row without injury to the young plants; follow as quickly as possible with a thorough hand weeding.

Prizetaker

Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm; very fine grained, and of mild, delicate flavor. The outside skin is rich yellow while the flesh is white. To get the best results from this onion the seed is sown in beds and transplanted. It will, however, make a good crop if sown in the ordinary way. Oz. 25c; lb. $2.50.

Southport White Globe

This grows to a very large size and is a perfectly globe-shaped onion. Color is a clear pure white. This variety is used by the market gardeners for bunching. Oz. 30c; lb. $3.50.

Early Flat Yellow Danvers

A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive. Oz. 25c; lb. $2.00.

Southport Yellow Globe

A large perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color. Oz. 25c; lb. $2.75.

Yellow Globe Danvers

This fine onion is of large size. An early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin. Oz. 25c; lb. $2.50.

Michigan Yellow Globe

The bulbs are large and uniformly spherical with very small necks and the largest diameter below the center of the bulbs, of a rich orange color. Oz. 25c; lb. $2.50.

Ohio Yellow Globe

Indiana. We have an excellent onion stock of this standard variety. Oz. 25c; lb. $2.50.

Southport Red Globe

An early Globe onion, small neck and very uniform in size and color. Very popular in the marsh onion sections of Ohio and Indiana. Oz. 25c; lb. $2.50.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
White Portugal American Silver Skin. This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small, round, hard bulb. Oz. 35c; lb. $3.50.

Ailsa Craig A handsome globular variety, growing to an enormous size, with pale yellow skin, flesh white, a good keeper and valuable for exhibition purposes. Oz. 35c; ¼ lb. $1.00.

Large Red Wethersfield Grained and very firm. Yields an enormous amount per acre, and is one of the best winter keeping onions. Oz. 30c; lb. $2.50.

Extra Early Flat Red This variety matures from ten days to two weeks earlier than the Red Wethersfield. The color is a deep rich red. fine grain and close. Oz. 30c; lb. $2.50.

Parsley

Petersilie (Gr.)

Double Curled Parsley

CULTURE.—Sow seeds in shallow drills in the early Spring for border, or in rows 12 to 18 inches apart, care being taken that the drills be not more than one-half inch in depth, and that the seed be well pressed down after sowing, as the seed germinates very slowly, three to five weeks elapsing sometimes before it makes its appearance. Use one ounce to 150 feet of drill, three pounds to an acre. Cultivate frequently.

Plain Parsley The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves, as well as its hardness. The curled sorts are very extensively used for garnishing. Pkt. 5c, Oz. 15c, lb. $1.25.

Champion Moss Curled This is a vigorous, compact growing variety, excellent for garnishing and flavoring. A handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss. Fine deep green color and very attractive foliage. Pkt. 5c, Oz. 15c, lb. $1.25.

Parsnips

Pastinake (It.)

CULTURE.—Sow in early spring, in rows two to three feet apart, thin to four or six inches in the row. One ounce of seed will sow 200 feet of drill, four to five pounds per acre in drills two and one-half feet apart. Cover the seed one-half inch. Use rotted manure and fertilizer. Parsnips may be left in the ground all winter.

Marrow Parsnip This is a fine new Parsnip of English origin which we confidently offer to our trade. It is very fine grained and exceedingly sweet, while the peculiar parsnip flavor is fully reserved. The roots are unusually smooth and attractive in appearance. The best of all parsnips for private or market garden use. Oz. 25c,

Kelway’s Don A half long variety of our introduction, selected for handsome form, size, whiteness of skin and flesh, and firmness and solidity of texture. Recommended for exhibition (see illustration). Oz. 25c,

Gurnsey (Improved Half-Long) Greatly improved strain. The roots do not grow as long as the Hollow Crown, but are of greater diameter and very easily gathered. A very heavy cropper. Roots very smooth. Flesh fine grained and of excellent quality. Oz. 15c; lb. $1.00.

Improved Hollow Crown This really is the greatest old-time favorite among the parsnips and has a host of friends which it will never lose. It is very smooth, white with a very thick shoulder and tapering down to a graceful point. One of the best known, none better. Oz. 15c; lb. $1.00.

Prices subject to change without notice.
PEAS

F. H. EBELING, SEEDS AND FARM SUPPLIES, SYRACUSE, N. Y.

Erbsen (Gr.)

Piselli (It.)

For early peas the soil should be light and warm, but for general crops, most heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas. such soil is often the cause of early sorts maturing unevenly. Sow as early as possible a few of some early variety on warm, quick soil, prepared the fall before, sparing the soil of rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties one by one, and if the fall, depending for succession upon selection of light that follow each other in maturity. The peas will also make quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way. Larger pods and more of them will be produced if the seed be planted in trenches three to six inches deep and covered with only one or two inches of soil.

Earliest of All, or Alaska

By careful selection and growing we have developed a stock of this smooth blue pea of unequaled unevenness in growth of vine and early maturity of pods which are filled with medium sized, bright green peas of good flavor. Vines of medium height, about two and one-half to three feet and of distinctive light color. Pods of good size, about two and one-half to two and three-fourth inches long. Seed small, smooth, and bluish green in color. Matures all the crop at once and is an invaluable variety for market gardeners and canners. 30c; qt. 40c.

Thomas Laxton

A very early wrinkled variety of great merit. Vine vigorous, of medium height, about three feet, similar to that of Gradus, but darker in color, harder and more productive. Pods large, often four inches long, with square ends, similar to but larger, longer, and darker and than those of Chaenopod of England and as uniformly well filled. The green peas are very large, of fine deep color and unsurpassed in quality. We are not sure if the earliness of the peas used only to be known to make it one of the most popular sorts for the market and home garden, as in appearance and quality it is one of the very best varieties yet produced. 30c; qt. 60c.

Gradus

A very early, wrinkled pea. Vine similar in appearance to Telephone, but of medium height, only about three to three and one-half feet. The pods are very large, about four and one-fourth inches long, very nearly as large as those of Telephone, uniformly well shaped, pointed, handsome and more attractive than those of the first early. Pods of medium height, quality and light green color which they retain after cooking. Practically the same as Prosperity. 30c; qt. 60c.

American Wonder

Vigorous, productive vines, with a luxuriant foliage, and producing the leaves on one side of the stock, growing from 9 to 12 inches high. On account of its dwarf habit of growth it is very desirable for private garden use. Pods are light in color, round, about two and one-half inches long and blun at the end. Fit for picking fifty-five days from planting. Seed is wrinkled, green, medium in size and square at the end. 30c; qt. 60c.

Nott’s Excelsior

Resembling Gems in habit, but more dwarf and uniform in growth. Grows about 12 inches high, with rather light foliage. Pods in color, round, about two and one-half inches long, blun at the ends. Fit for picking fifty-six days from planting. Seed green, wrinkled, medium in size and square at the ends. 40c; qt. 60c.

Little Marvel

We are sure that as soon as American gardeners, whether for pleasure or profit, become acquainted with Little Marvel they will drop both Little Gem and Nott’s Excelsior, popular as these two varieties are today. The vines, of dwarf even growth, average fourteen inches in height and are heavily set with fine pods, frequently piled in pairs. Pods average of productivity of peas used only to be known to make it one of the most popular sorts for the market and home garden, as in appearance and quality it is one of the very best varieties yet produced. 30c; qt. 60c.

Premium Gem

Desirable early green wrinkled dwarf variety similar to but better than McLean’s Little Gem. The vine is very productive and grows to a height of from fifteen to eighteen inches. The pods are of medium size and crowded with six to eight uniformly light green peas of fine quality. The seed is green, large, wrinkled, often flattened. 40c; qt. 75c.

Boston Unrivalled

Best large-podded medium or late Pea grown. An improved strain of the Telephone type. Vines grow 4 to 5 feet high and covered with fine large pods about 5 inches long, 3/4 inch broad, and containing 7 to 8 extra large peas of the finest flavor. 30c; qt. 60c.

Potlatch

Strong, vigorous vines of even growth, 20 to 24 inches in height, with luxuriant dark foliage, bearing pods medium green in color three and one-half to four inches in length. Broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly support the Podlatch. It contains is popular in the West, and may expect great things. Fit for table use 61 days from planting. Seed green, wrinkled, large 1/2 size. We consider ourselves very fortunate in having secured and introduced this pea. 30c; qt. 60c.

McLean’s Advancer

A green, wrinkled variety of medium height, about two and one-half to three feet, with long, broad pods, about two and three-fourths to three inches long, which are abundantly produced and well filled to the ends. This pea is used very extensively by market gardeners because of its productiveness, and pods contain large peas of good size and form, which improve is also largely used by canners. By careful selection we have developed a strain showing market improvements in vigor of plant, size of pod and productiveness. 30c; qt. 60c.

To Prevent Damage from Pea Louse

Sow a strip of turnip seed about five feet wide around the field to attract the pea louse, and will feed upon the turnip instead of the peas; thus preventing the destruction of the crop. Sew early turnips with Early Peas and late turnips with Late Peas. This has been given us by an expert grower, who claims it to be a sure remedy.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Duke of Albany  A most valuable variety of the Telephone type; remarkably hardy in growth, producing dark green pods of large size, well filled with large sweet peas. The vines grow three feet in height and are very productive.  Pt. 30c; qt. 60c.

Telephone  This has become the leading pea with market gardeners where trade appreciates fine appearance and high quality.  Vines tall and vigorous, growing about four feet high, with large, coarse, light colored leaves and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, attractive bright green, filled with very large peas which are tender, smooth and of excellent flavor.  It comes into use soon after the Premium Gem and is one of the best sorts for either home or market.  Pt. 30c; qt. 60c.

Alderman  This comparatively new pea is undoubtedly one of the best in the large, podded, semi-dwarf, dwarf or podded varieties of peas which retain their fine appearance even after shipping a long distance. The Alderman answers these requirements and furthermore is the most productive variety of this class. We recommend it unreservedly.  Pt. 30c; qt. 60c.

Improved Stratagem  Most stocks of the large podded, semi-dwarf, English varieties of peas have been so wanting in uniformity and evenness of type as to disgust American planters, but by constant effort we have developed a stock which comes true and we do not hesitate to pronounce it one of the best of the large podded sorts. The pods are of largest size, long and pointed, dark green, and uniformly filled with very large, dark green peas of the finest quality.  Pt. 30c; qt. 60c.

Marvelous  A new, dwarf, wrinkled sort, of sturdy growth; early and very prolific.  The pods are produced in pairs containing 8 to 10 large Peas of delicious flavor; height, 18 in.  Pt. 40c; qt. 75c.

Champion of England  A very productive variety, universally admitted to be one of the richest and best flavored of the late peas. The vines are four to five feet high.  The seed is light green and much shriveled.  Very inferior and mixed stocks of this sort are frequently offered, but when the seed is as well grown and selected as that we offer we consider the variety equal in quality to any in cultivation and one of the best of its season, either for the home garden or market gardener.  Pt. 30c; qt. 60c.

Melting Sugar  (Edible pods) There is a class of peas not generally known in this country but much used abroad in which the sweet, brittle and succulent pods have none of the tough, inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans.  Pt. 30c; qt. 60c.

Large White Marrowfat  The vines of this variety are about five feet high and of strong growth. The pods are large, cylindrical, rough, light colored, and well filled; seed large, smooth, round and light yellow. The variety is excellent for summer use but is inferior in quality to most of the newer sorts, although undoubtedly one of the most productive of the garden varieties.  Qt. 50c.

Large Blackeye Marrowfat  It is a very prolific bearer of large pods.  Seed large, smooth, round, light yellow with black eye. One of the very best of the Marrowfat sorts.  Qt. 50c.

PEPPER

Pfeiffer (Gr.)

Peppers are most largely used for seasoning meat and vegetable dishes; also for making chow chow and chill sauce. The culture is the same as for egg plant and the plants need quite as much heat to perfect them.  Sow seed early in hothot, or about middle of spring in open seed bed, the soil being light and warm. When three inches high transplant in rows about two and one-half feet apart and two feet apart in the rows. Cultivate in the usual way.  From weeds. Guano, hen dung or any other bird manure hoed into the surface soil when the plants are about six inches high will undoubtedly increase the product.

Red Cherry  A second early sort.  Plant tall, bearing a profusion of round, bright red fruits which are very pungent when ripe.  A very ornamental plant when in fruit.  OZ. 50c; ¾ lb. $1.75; lb. $6.50.

Giant Crimson  The earliest maturing of the extremely large, red sweet peppers and surpassing by none in goodness of size and shape.  The plants are tall, extra vigorous and upright, growing two and one-half to three feet high, larger than that of Chinese Giant and more productive.  The fruits are of the largest size, ripen earlier than any of the other very large sorts and average heavier, as the flesh is exceptionally thick.  Color deep crimson when fruit is young, deep crimson when matured; flavor very mild.  OZ. 60c; ¾ lb. $2.50; lb. $8.00.

Prices subject to change without notice.
Red Chili A late variety. Pods bright, rich red, about two inches long, one-third to one-half inch in diameter at the base, tapering to a sharp point and exceedingly pungent when ripe. Oz. 50c; lb., $7.00.

Long Red Cayenne A well known medium early variety having a slender, twisted and pointed pod about four inches long. Color deep green when fruit is young, bright red when ripe. Extremely pungent and pungent flesh. Oz. 60c; ½ lb. $2.00; lb., $7.00.

Large Bell, or Bull Nose The stock of this well known variety, sometimes called Sweet Mountain, is very superior. Plant vigorous, about two feet high, compact and very productive, ripening its crop uniformly and early. The fruits are large, with thick, mild flesh of excellent quality for use in salads or stuffed peppers. The color is deep green when fruit is young, bright crimson when ripe. Oz. 50c; ½ lb. $2.50; lb., $8.00.

Ruby King An improved American variety, very large and attractive. The plant is about two and one-half feet high, vigorous, compact and productive. The fruits are often four to four and one-half inches long and of deep green color when young, bright red when ripe. The flesh is thick and mild flavored. One of the best varieties for compact or stuffed peppers. Oz. 60c; ½ lb. $2.00; lb., $7.00.

Chinese Giant Plant dwarf, fruit of mammoth size, very broad, yet rather short. It is very large and a rather shy yielder. Popular on account of its large size and mild flavor. Our stock is pure and is as good as can be obtained. Oz. 55c; ¼ lb. $1.85; lb., $7.00.

Large Sweet Spanish A late maturing and attractive, red, sweet pepper. Plant about two and one-half feet high, upright, very compact, vigorous and productive. Fruits very large and long, frequently seven inches in length and about two inches in diameter, with very thick, mild flesh of excellent quality. Color deep green when fruit is young, rich red when ripe. Oz. 50c; ¼ lb. $1.75; lb., $6.75.

POTATOES

Kartoffel (Gr.)

“True to Name” Red River Valley Early Ohio Seed Potatoes, grown in the Red River Valley, the noted seed potato growing section of the United States. Bring your seed stock now, which will be good for the years to come, as they will not “run out,” but will hold true to type for many years.

Early Ohio The earliest of all and “The King of the Earlys.” We offer the genuine Early Ohio, an improved strain of Ontario origin, not confused with the more recent introduction of the Hybrid Ohio. Oz. 40c; ½ lb. $1.25; lb., $4.00.

Irish Cobbler Per bushel, $4.50.

True Early Rose The Early Rose is the old standard early potato; rosy blush skin, white flesh; early, productive, and of excellent flavor; a fine keeper.

Late Russet The famous “Russet” recently introduced from Michigan yielded 23 bushels to the acre on a bulky farm in 1914. Many specimens weighing 10 to 20 ounces. Most productive. Has a russet skin; flesh white as snow. A fine cooker. The most valuable late sort on the market. For further particulars, see page 16.

Carman No. 3 Another large, round, white, main crop potato; tubers are very large, eyes are shallow and few in number, and it is an immense yielder of large potatoes.

Melonen-Kuerbisse (Gr.)

Connecticut Field, per lb. $1.00
Cheese Pumpkin, fine for table, per lb. 1.50
Cashaw Pumpkin, fine table, per lb. $1.75
Mammoth Prize Pie, per lb. 2.00

PUMPKIN SEEDS

Zucca (It.)

Zucche (Gr.)

Radish (Gr.)

Being a root crop, good and mellow to insure quick germination, brittle radishes require light, well-worked soil, made very rich in manure and compost. If permitted to grow slowly, they become tough and pithy. They are easy to grow and frequent plantings will insure a constant supply for the table. Summer varieties can be sown all spring and well into summer. Winter varieties, however, require some time to mature, and the seed should be planted in August and September for good radishes in November and December.

Excelsior Very Early For a forcing radish this stands at the head of the list, being the best, brightest and best produced scarlet turnip shaped sort on the market. Oz. 25c; lb., $1.50.

Vick’s Scarlet Globe This grand radish has established a reputation as a forcing sort. Its peculiarity is that it will bear the heat requisite for forcing with out becoming pithy in character or suffering injury to its flavor. Its attractive shape is shown in the illustration. Its color is a rich scarlet. It has a small top and is a high bred radish. Oz. 15c; lb. $1.25.

Crimson Giant Forcing A new variety which will be popular in the market and home garden variety, since it matures very early and remains firm and crisp much longer than other short varieties. Color, rose carmine with white tip. It is top-shaped. Oz. 15c; lb. $1.25.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Brightest Long Scarlet A very showy, long variety. Is thick at the shoulder and tapering. Bright rose scarlet with distinct white tip. Oz. 15c; lb. $1.50.

French Breakfast It is about two inches long and decidedly stump-rooted. Color, bright rose with bottom of root and the tail pure white. Oz. 15c; lb. $1.25.

Chinese White Winter, or Celestial (or Cal. Mammoth White Winter.) The well-known and popular winter variety. Clear white, about four inches long and faintly stump-rooted. If sown in April or for fall plant until it runs to seed. Is a good cooking variety, and when cooked the flavor resembles turnip. Oz. 15c; lb., $1.25.

Chinese Rose Winter A bright scarlet winter variety. About four inches long and stump-rooted. Matures two or three weeks earlier than the Chinese White Winter and like it is firm and crisp and does not grow pithy until it runs to seed. Oz. 15c; lb., $1.25.

White Strasburg A white radish, of large size, good quality, and ability to resist severe heat. I always recommend White Strasburg for summer planting. Will grow solid, with good flavor, when others fail. Popular with market gardeners. Oz. 15c; lb., $1.25.

Giant Stuttgart This mammoth white radish is the largest of the turnip shaped sorts. It has solid, crisp, pungent flesh, and is highly prized by people demanding a radish of high flavor. Both skin and flesh are pure white. It should be given plenty of space in the row. Oz. 15c; lb., $1.25.

Icicle A handsome white variety, about 5 inches long, with slop-mild in flavor. Oz. 15c; lb., $1.25.

Early Round Dark Red, or Prussian Globe A bright scarlet turnip-shaped variety. Early, quick growing, and a handsome radish. Oz. 10c; lb., $1.25.

Round Black Spanish A winter variety, with black skin and white flesh. It is top-shaped or almost globular. Oz. 15c; lb. $1.25.

Black Spanish, Half Long A shorter, olive-shaped variety with half stump-root and sloping top. Oz. 20c; lb. $1.25.

RHUBARB

Rhubarb (G.)

CULTURE.—Plant roots four feet apart each way, in very rich, well manured soil. Cultivate well and top-dress liberally. Plants easily grown from seed. Sow in drills about 12 inches apart, and thin the plants to 12 inches in the drills. Use one ounce to 75 feet of drill. Victoria A good market sort, with beautiful red stalks. Pkt. 5c, Oz. 15c, $1.50. Roots, 15c each, 4 for 50c, postpaid. By express or freight, not prepaid, $1.25 per dozen.

S A G E

A hardy, perennial shrub, with whithash-green, oval, and very much wrinkled leaves, which have a pleasant smell and which are used for seasoning. It is easily grown and the seed can be sown almost any time. Its fragrant, purplish flowers are especially attractive to bees, and the finest white honey has its source in sage blossoms. Oz. 40c.

SALSIFY, or VEGETABLE OYSTER

Sassefrica (It.)

CULTURE.—Sow early and deeper than parsnip, otherwise culture is the same and, like that, roots, if desired, may be left in the 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. 25c, $1.50; lb. 65c; lb. $2.25.

SPINACH

Spinacea (It.)

An easily grown plant, the seed of which may be planted in the fall to secure good spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. As a field crop for the market garden, use 8 pounds of seed per acre. For the home garden use one-half ounce for 100 feet of row.

Bloomsdale Savoy The variety most generally used in the East, and especially throughout the South for shipping. Leaves large, round and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. Oz. 5c, lb. 50c.

Long Standing A deep green variety with rather elongated smooth leaves. Seed, round. Stands a long time without running to seed. Oz. 10c, lb. 50c.

Victoria A long-standing variety with round, slightly savoyed leaves. Deep green and hardy. Forms good, edible leaves early and continues to produce leaves for a long period. Oz. 10c, lb. 50c.

Norfolk Savoy Forms a dense rosette of thick, tender and succulent crumpled or blistered leaves of dark green color. With this variety spinach may be continuously grown in any home garden. The best variety to be sown in the spring and at intervals for a successionally summer supply. It is invaluable to both home and market gardeners. Oz. 10c, lb. 50c.

LONG SEASON SPINACH.
Prickly The variety commonly used for market in California. Is very hardy and easily grown; bears large, smooth leaves, which are shaped like an arrow point. Color, bright green. Seed irregular with three or four sharp points. Oz. 10c, lb. $1.00.

New Zealand A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, but it is used in the same way. Oz. 30c, lb. $2.50.

Round, Thick Leaved A large-leaved, bright green variety. Leaves rather smooth and rounded at the top. A good variety for late spring and summer. Seed round. Oz. 10c; lb. 50c.

SQUASH

Zucca (It.) A large golden-yellow variety, thickly warded, is eighteen inches long, brittle and tender. Oz. 20c, lb. $1.75.

Burpee’s Fordhook Squash A most desirable running variety for both summer growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly ridged, smooth thin yellowish skin; flesh very thick and of a light straw yellow. If gathered young for cooking, no other squash approaches it in flavor, while if allowed to ripen on the vine they can be stored and will keep in excellent condition until late the following June. Either for baking like sweet potatoes or making pies during the winter the quality is unsurpassed. Oz. 15c, lb. $1.50.

Burpee’s Bush Fordhook Squash fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity, but unfortunately do not come as true to type. Our Fordhook squash is about a week later than the Early White Bush; it is much sweeter and better flavored. Oz. 15c, lb. $1.50.

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. Oz. 15c, lb. $1.50.

Mammoth White Bush Scallop An improvement on the old variety, larger, pure white and superior in quality. Oz. 15c.

Boston Marrow This grows larger than either of the preceding, but is not of so deep color: skin thin, yellow, with pinkish tint; desirable for pies, not so dry as the Hubbard. Oz. 15c, lb. $1.50.

Delicious One of the thickest meated and very best in quality, not excepting Hubbard. Although at any time excellent, does not acquire its best quality until winter. Oz. 20c, lb. $1.50.

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. Oz. 20c, lb. $1.75.

Hubbard This is a distinct strain of the famous Hubbard and is an ideal winter squash for marketmen. The shell is a dark green in color, the flesh dry and sweet in flavor.

Mammoth Chili The largest variety, attaining under special cultivation enormous size, its cooking qualities unsurpassed. Oz. 20c: lb. $1.75.

SWISS CHARD

Giant Perpetual (“Cut-and-Come-Again”) Spinach Swiss Chard This, though a variety of Chard, is to all practical purposes a giant spinach, the huge curled leaves being tender and cooking readily, with a decided spinach flavor. Its great merit is that it will supply the greens from spring until late in the fall. The large mid-ribs can be cooked and served like asparagus. It wanted for greens cut when 6 inches high just above ground and it will grow out again. Oz. 15c; lb. $1.50.

SQUASH BUGS—Spray Pyrox with an under-leaf upturned nozzle—sure death.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
### SWEET HERBS

**CULTURE.**-Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well drained garden soil, in rows 12 to 24 inches apart. Cover seed lightly. Thin or transplant to stand 6 to 12 inches apart in the rows. Cultivate frequently and keep free from weeds.

<table>
<thead>
<tr>
<th>Herb</th>
<th>Price</th>
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<tbody>
<tr>
<td>Marjoram, leaves used in seasoning</td>
<td>5c</td>
</tr>
<tr>
<td>Mint (peppermint)</td>
<td>5c</td>
</tr>
<tr>
<td>Rosemary, aromatic</td>
<td>5c</td>
</tr>
<tr>
<td>Rue, medicinal qualities</td>
<td>10c</td>
</tr>
<tr>
<td>Saffron, medicinal qualities, also dyeing</td>
<td>5c</td>
</tr>
<tr>
<td>Sorrel</td>
<td>5c</td>
</tr>
<tr>
<td>Sage, culinary herb</td>
<td>10c</td>
</tr>
<tr>
<td>Savory, Summer, culinary herb</td>
<td>10c</td>
</tr>
<tr>
<td>Tarragon or Estragus (roots), each</td>
<td>10c</td>
</tr>
<tr>
<td>Thyme, culinary herb</td>
<td>5c</td>
</tr>
<tr>
<td>Wormwood, medicinal qualities</td>
<td>5c</td>
</tr>
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</table>

### TOBACCO SEED

<table>
<thead>
<tr>
<th>Tobacco Seed</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Havana Tobacco Seed</td>
<td>per oz. $1.00, per pkt. 10c</td>
</tr>
</tbody>
</table>

### TOMATO

**Pomodori (lt.)**

**LIEBESAPFEL (Gr.)**

As tomatoes are very sensitive to frost, they cannot be set in the open field until about May 1st. The seed must be sown in well protected hotbeds, sowing some about March 1st. A hardy and stocky plant is had by transplanting the small plants in the bed a few weeks before transplanting to the field. Or when about four inches high, the top may be pinched off and the plant grows stockier.

Sow the seed broadcast, using one ounce to about three square feet of area, which will yield plants enough to set an acre. In the field set tall varieties six feet apart and dwarf varieties three feet apart. A slight trellis is advisable in the garden. A moderate amount of water should be applied at the roots at regular intervals.

**BONNEY’S BEST EARLY**

An extra early variety having great favor with the market gardeners. Vigorous and productive. Best suited for market gardeners’ use. Oz. 35c; lb. $3.75.

**JUNE PINK**

The June Pink tomato is a habit of growth similar to the Earliana. The plant is compact, branching freely, with fruit hanging in clusters of six to ten fruits, both in the crown and at the forks of the branches. It ripens fully as early as the Sparks Earliana and quite ten days earlier. It is very resistant to frost. Oz. 35c; lb. $3.75.

**CHALK’S EARLY JEWEL**

A wonderful new variety, in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform, and well ripened clear to the stem, and the flavor and quality are especially fine. Color, bright scarlet. Oz. 40c; lb. $4.00.

**EARLIANA (SPARKS)**

The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use. Oz. 40c; lb. $3.75.

**BEAUTY**

A rather early, tall variety; very prolific, with good-sized, smooth fruit of a purple-carmine color. Oz. 35c; lb. $3.75.

**LIVINGSTON’S DWARF STONE**

Another splendid new variety from Livingston. This is what he says of it: “The same sort of tomato as Dwarf Champion, but the vine is of stronger growth, and the fruit is of double the size. It is equally early, is equally prolific. The shape of the fruit is perfect. It is very solid, ripens very evenly and is of excellent quality.” Oz. 35c; lb. $3.75.

**DWARF CHAMPION**

A dwarf variety, sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform, and of excellent coloring. Oz. 35c; lb. $3.75.

**MATCHLESS**

A tall-growing, prolific variety with large fruit, which is rather flattened, smooth and uniform. Color, bright scarlet. For canning and general market, this is an excellent tomato grown. Extra selected strain. Oz. 40c; lb. $4.00.

**PONDEROSA**

An extremely large, irregular-fruited variety. Vine tall, and fruit very solid and purple-carmine in color. Rather coarse and of fair quality only. Oz. 75c, lb. $7.00.

**RED CHERRY**

The fruit is small and globe-shaped, about one to two inches in diameter. It is very valuable for preserving. Oz. 40c; lb. $4.00.

**RED PEAR SHAPED**

As the name implies, the fruit is shaped like a pear—small at the stem and enlarged at the top. It is small, being about two or three inches long. It is bright scarlet. Oz. 40c; lb. $4.00.

**PEAR-SHAPED YELLOW**

(Bright yellow). A pretty tomato, similar to Pear-Shaped. $4.00.

**GOLDEN QUEEN**

(Bright yellow). A pretty tomato, similar to Pear-Shaped. $4.00.

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**
TURNIPS

Steckrube (Gr.)

While turnips are a favorite fall and winter vegetable, they may also be had in the spring by proper sowings. They are of easy culture, but need well-worked, rich soil to insure a quick, uninterrupted growth, when they will be tender and free from woodiness.

For fall and winter use sow the seed in August, in rows 10 to 18 inches apart, using one ounce to 200 feet of row, thinning the plants when very young to three or four inches apart. For spring use sow in January. For field culture sow in rows about two feet apart, using one to three pounds of seed per acre.

Early Snowball A medium globe-shaped variety of pure white. Very solid and of the best quality. Oz. 15c; lb. $1.50.

Early White Flat Dutch (Strap Leaf) A medium-sized, flat variety; clean white, early, and of fine flavor. Oz. 15c; lb. $1.00.

Early White Milan Roots flat, smooth and symmetrical; pure white. Top very small and upright and compact, permitting close planting. The earliest and much the best of any extra-early white variety. Oz. 15c; lb. $1.50.

Early Purple-Top Milan Differs from the preceding in that the roots are not quite so thick and are purple on top. Oz. 15c; lb. $1.50.

Early Purple-Top Flat A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red. Oz. 15c; lb. $1.50.

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. Oz. 15c; lb. $1.50.

Cow Horn A long white turnip. Grows to a large size, standing half out of the ground. It is fine flavored and delectable. Cow Horn turnip sown in connection with Rape is one of the newly recommended things for green manuring purposes. Oz. 10c; lb. 75c.

Ruta-bagas or Swedish Turnips

Laing’s Improved Swede One of the earliest; handsome round variety; fine for the table. Oz. 10c; lb. 90c.

Sweet German, or Russian Sweet, white, sweet, excellent; a first-rate keeper. Oz. 10c; lb. 90c.

Carter’s Imperial Swede This is the best of the Swede turnips. Oz. 10c; lb. 90c.

American Purple-Top Very hardy and productive; flesh yellow, solid. Oz. 10c; lb. 90c.

Long Island Improved Bred from the “American Purple Top,” over which it is a great improvement, being nearly double the size; an immense yielder and good keeper; flesh rich yellow, of fine quality. Oz. 10c; lb. 90c.

Improved American Rutabaga Best and heaviest cropper of all rutabagas. Of fine form, with rich purple colored top and light yellow flesh, of most pleasing appearance, flesh is tender and sweet—free from hard, stringy nature. Has comparatively small tops, fine feeding roots, and is the surest and heaviest cropper. We have sold this special strain of American Rutabaga for nearly twenty-seven years and we have never had a variety of vegetable that has given such general satisfaction in all sections and in all kinds of seasons. Packet 5c; oz. 15c; ½ lb. 30c; lb. $1.00.

*All prices on seeds in this catalogue are subject to change without notice.
**SELECT FLOWER SEEDS.**

**Abobra** (Gourds) Beautiful variety of climbing gourd with elegant foliage. 5c pt.

**Abronica** (Sand Verbena) Trailing, annual, sweet-scented clusters like verbena, lasting in bloom a long time; for rockwork or hanging-baskets. Height 12 inches. 5c pt.

**Abutilon** (Chinese bell flower or flowering maple) Free flowering, perennial shrub; fine for indoors. For outdoor scw before April. Will bloom first season. 10c pt.

**Acanthus** Hardy, handsome cutting ornamental foliage, beautiful shades of yellow, globular flowers. Soak seed in warm water before sowing. Height 6 to 10 ft. Mixed 10c pt.

**Aconitum** (Monk's hood or Wolfs bane) Hardy, perennial, long spikes of odd shape blue and white flowers, adapted to shady corners or among shrubbery; 3 to 5 ft. 5c pt.

**Acroclinium** Pretty, annual everlasting, 15 inches high, lovely white or rosy pink flowers fine for borders. Sgl. or dbl. 5c pt.

**Adonis** Hardy white perennial, 2 ft. high, pure white double flowers, bloom from spring until frost, fine for cemetery decoration. Flowers first season if sown early.

**Adulia** (Mountain fringe or Alleghany Vine) A hardy biennial climber, will resow itself yearly after year, feathery foliage resembling Maiden-hair Fern, flowers tube-shaped, flesh-colored completely covering the plant, fine for trellises, stumps, etc. 10c pt.

**Aethionema** (Pheasant's eye) Flox Adonia, Snowy, hardy, annual, of easy culture, fine cut foliage blooms a long time; dark crimson flower with light center. Height 1 ft. 5c pt.

**Ageratum** (Floss Flower) Fine bedding sort, literally a shower of bloom from early summer until frost; not liable to be spoiled, flowers not liable to fade; easily raised from seed sow in March or in hot-bed and transfer into open ground in June when weather is suitable valuable for winter flowering for conservatories. 5c pt.

**Blue Perfection** Dark blue, largest flowering, fine bedder. 10c pt.

**Cope's Pet** Azure blue, fine light blue sort for edging. 10c pt.

**Dwarf Princess Pauline** Beautiful, compact, sky blue, white center, very exquisite. 10c pt.

**Mexicanu** Lavender blue, 1 1/2 ft. 5c pt.

**Imperial Dwarf White** Height 8 inches. 5c pt.

**Agrostemma** (Rose of Heaven) Free blooming, hardy, perennial, blooming first season, height 1 to 3 ft. Mixed 5c pt.

**Alyssum** (Mad-wort) Pretty little plants for beds, vases, baskets, edging, etc. Bloom profusely all summer, also useful for winter. Very sweet-scented. 10c pt.

**Alpinia** (for Carpet of Snow) 4 to 6 inches in height, each plant covering a circle of 15 to 36 inches. 5c pt.

**Sweet Alyssum** Trailing flowers, white. 5c pt.

**Tom Thumb** Compact, dwarf, fine for edging, white. 5c pt. 30c oz.

**Saxatile Compactum** (Basket of Gold) handsome yellow flowers, hardy perennial, blooming first season. Fine for rock work, 1 ft. 5c pt. 30c oz.

**Amoranthus** Brilliant foliaged annuals, 3 to 5 ft. Useful in borders or centers of large beds. Do not plant too closely.

**Brilliant** Foliage bright red, ends of branches carmine-red, red and yellow. 10c pt.

**Caudatus** (Love lies Bleeding) Blood red, drooping foliage, 3 ft. 5c pt.

**Salicifolis** (Fountain Plant) Pyramidal, drooping habit. 5c pt.

**Sunrise** Bronzy Crimson to brilliant scarlet. Fine for parks and large beds, 3 ft. 10c pt.

**Sulphurine** Leaves dark green, bright sulphur yellow. 10c pt.

**Tricolor** (Joseph's Coat) Leaves red, yellow and green, 3 ft. 5c pt. 30c oz.

**Ammobium** (Winged Everlasting) Grandiflorum, Pretty Border, annual everlasting, flowers drooping. 10c pt.

**Ampelopsis** (Boston or Japanese Ivy) Hardy, perennial climber, olive green leaves turning to scarlet in fall. Popular climber, fine for brick or stone walls. 10c pt.

**Anemone** (Windflower) Hardy, perennial, large flowers, fine for bouquets. Mixed colors. 10c pt.

**Antirrhinum** (Snap Dragon) White, yellow, scarlet, each 10c pt. mixed colors. 10c pt.

**Aquilegia** (Columbine) charming, hardy, perennial, 1 to 2 ft., profuse bloomer, blue, white rose, yellow, purple, striped, etc. Fine for borders. Sgl. mixed 5c pt. Dbl. mixed 5c pt.

**Arabis** (Rock Cress) Alpina very early, pure white, spring flower, appear as soon as snow disappears. Fine for rockeries or edging. 6 inches high. 10c pt.

**Arctotis** Grandis, Beautiful new annual, to 2 to 3 ft. high, large strong pure white flower emblazoned with yellow center, of the easiest culture. 10c pt.

**Aristolochia Siphon** (Dutchman's Pipe) A quick growing climber with large heart shaped leaves. 5c pt.

**Armeria** (Sea pink or cushion pink) Very pretty edging plant, bearing large tufts with rosy pink flowers, hardy perennial. 10c pt.

**Asparagus** Plumosus Nanus or Graceful climber, finer than most delicate ferns. Will last for weeks after being cut. easily cultivated. 25c pt.

**Sprengeri** One of the best for hanging baskets or general purposes. fronds 4 ft. long. 10c pt.

**Verticillatus** Graceful, hardy perennial climber, scarlet berries. 10c pt.

**Asperula Odorata** (Sweet Woodruff) Fragrant leaves and stems, grown in shaded places. 10c pt.

**Asters** are now one of the most important summer and autumn flowers. Their immense popularity and world-wide demand shows their adaptability to any soil or climate, there being early medium and late flowering sort which extend the blooming period from early July until frost. For the best results the ground should be very rich. Good results can be obtained from ordinary garden soil.

**Branching Varieties** 1 1/2 ft. high, very double, beautifully incornered. Crimson 10c, blue 10c, pink 10c, white 10c, rose 10c, mixed 10c.
Asters (Continued).
Branching Peony Flowered In vigor of growth, size of bloom and other qualities, this type is unequalled. Height about 18 inches, free branching habit with long stems. Crimson 10c, blue 10c, white 10c, mixed 10c.
Comet Beautiful with long curled petals resembling the Japanese Chrysanthemum, height 18 inches. Carmine 10c, pink 10c, blue 10c, mixed 10c.
Giant Comet Similar to the above but of stronger growth, 18 to 24 inches high. Pure white 10c, white and rose 10c.
Giant Branching Comet Very strong growth, 18 inches high, branching habit, flowers of large size on long stems. 10c pkt.

Queen of the Market The earliest flowering Aster, blooms three weeks in advance of the general run, flowers good size on long stems. Fine for cutting. Crimson 10c, pink 10c, purple 10c, white 10c, mixed 10c.

Victoria Magnificent bedding or cutting variety, flowers large beautifully imbricated, 1 1-2 ft high. Scarlet 10c, purple 10c, blue 10c, pink 10c, white 10c.

Mexicana Mixed Very fine, all colors 5c.

Quilled Aster Double or quilled petals, fine for bouquets. 2 ft. 5c pkt.

Crown of Caradonna Very showy, double white center, mixed colors, 11-2 ft. high 10c pkt.

Daybreak Grand variety of symmetrical growth and habit. 18 inches high, globe shaped, double, delicate, pink tint. 15c pkt.

Dwarf Chrysanthemum Large flowering, dwarf, double, excellent for plants and pots. Mixed 10c pkt.

Fire Ball Magnificent, double, brilliant, deep scarlet 10c.

Japanese or Tassel Entirely distinct, new pyramidal shape, 18 inches high, long stems. Bright blue and red, very twisted, needle shaped petals, very graceful. Mixed 10c pkt.

Ostrich Feather Magnificent, resembling the Comet, flowers of immense size of loosely formed petals, equaling the best Japanese Chrysanthemums. White or pink 15c each.

Rose Flowered Large double, pyramidal, height 2 ft. Mixed colors 10c.

Snow Ball A beautiful distinct sort, short petals, pure white 10c.

Washington Splendid, very large, double, diameter 6 inches. White 15c.

Pernod Single. Hardy. Does well in any garden soil. If sown early will flower in first season. 10c pkt.

Bachelors Buttons (See Globe Amaranth).

Balloon Vine (Love-in-a-Puff) Rapid growing annual climber, white flowers, seed vessels look like miniature balloons. 50 pkt.

Balboa (Lady Slipper) Double, camellia flowered type, and old favorite, gorgeous brilliant colored, double flowers in great profusion, easily cultivated, 2 ft. high.

Prince Bismarck Salmon, pink, double. 10c pkt. Scarlet, yellow, violet and mixed each 5c.

Baptisia (False Indigo) Beautiful, hardy, perennial, pea-shaped flowers on spikes 6 inches long, bright blue 1-2 ft. 5c pkt.

Bartonia Showy yellow flowers, very brilliant, cannot be transplanted. 5c pkt.

Boethias Fine bedding variety, equal to geraniums, sturdy growth, 1 ft. high, forming dense bushes completely covered with flowers from May until frost. Unequaled as pot-plants for winter flowering and will remain in bloom the entire year. Easily raised from seed. Double mixed 25c, single mixed 15c.

Tuberos Rooted Begonias Plants of great value for summer decoration or window gardens. Bloom first season from seed if sown in February, transplanted as soon as weather permits, produce flowers the entire summer. Double mixed 25c, single mixed 25c.


Bells Double Daisy, very handsome spring-flowering plant. 5 pkt.

Brauchycome (or Swan River Daisy) Dwarf, annual, profuse bloomer, pretty blue or white flowers. 5c pkt.

Calceolaria (Lady’s Slipper) Ornamental plant with mass of beautiful pocket-like flowers, blooms early and very fine for decorating green-house or conservatory.

Hybrida Grandiflora, 20 inches high. Mixed, 25c.

Tigrina Large tiger spotted brilliant colors 25c.

Calendula (Pot Marigold) Very shovy, free-flowering until frost, hardy annual, grows in any good soil, fine for beds or mixed borders, fine for pot culture, height 1 ft.

Meteor Large double yellow, striped with orange 5c.

Orange King Large double orange red flowers 5c.

Pure Gold Fine Golden Yellow 5c.

Mixed per pkt. 5c.

Pavilias (Cape Marigold) White daisy-like flowers, under side of petals lilac, 5c.

Callistepsis (See Coreopsis) Showy, free-flowering annual, blooms all summer, fine for cutting and massing, 5c pkt.

Coronata Large yellow, fine for bedding 5c.

Golden Wave (Drummondii) Large golden yellow with brown center, fine for borders. 5c.

Tinctoria Golden with green eye 5c.

Sensa (Coreopsis) Crimson 5c.

Campyera (Bellflower) Favorite, hardy herbaceous with great profusion of bell flowers, thrives in light rich soil.

Carpathia Blue and white mixed, bloom the whole season, 6 inches 5c.

Persicifolia Grandiflora Fine hardy bell flowers 2 to 3 ft. blue or white. Mixed 10c.

Canary Bird Vine (Tropaeolum Canarinae) Handsome annual, rapid climber, charming little canary-colored blossoms bearing a fanned resemblance to a bird with wings half expanded 5c.

Candytuft (Iberis) A great favorite, fine for cutting, looks best in beds or masses. Sow in spring, will bloom until frost, very hardy, easily cultivated. Single plants look well and bloom profusely, 1 ft.

Carmine 5c.

White 5c.
Candytuft (Continued)

White Rocket 5c.

Canna (Indian Shot) Without exception one of the handsomest bedding plants. Soak the seeds in warm water until they show evidence of swelling. When the second leaf is out pot singly and keep under glass until proper season for planting out. Mixed colors 10c.

Candelaria (Campaania Media) Sgl. mixed 5c. Dbl. mixed 5c.

Cup and Saucer (Calycanthus) Fine white, blue and rose, resembling cup and saucer. 5c.

Carnation (See Dianthus) Great favorite for their delicious fragrance and richness of color indispensable for winter or summer culture. Dbl. mixed. 10c.

Marguerite Carnations Very popular, as they begin flowering a few weeks from time of sowing. Half-dwarf, strong, requiring no support, produce long, strong stems, abundant large double, beautifully fringed, highly-scented flowers.

Mixed colors 10c.

Catast Oil Bean (See Richness).

Celosia or Cristata or Cockscob Varieties Free-blooming annuals, plant in light soil some rich, grand for border and fine for pots.

Empress Combs of Colossal size, known to measure 45 inches from tip to tip; rich crimson 10c.

Glasgow Prize Dark Crimson 10c.

Dwarf 8 inches high, sometimes measure 2 ft. across. 10c.

Mixed Dwarf 5c.

Centaurea Under this name is included the popular annuals like Corn Flower, Blue Bottle Baggled Sailor, Sweet Sultans, etc. Great favorites, fine for cut flowers; white-leaved sorts, or

Dusty Mixes are largely used for bedding, vases, etc.

Sweet Sultans (Centaurea Imperialis) Beautiful, sweet-scented, strong stems, when cut will stand for several days in good condition of easy culture. Mixed colors 10c. Named colors 10c.

Giant Sweet Sultans (Centaurea Oderata) or Giant Cornflowers, easy to cultivate, flowers 2 to 4 inches in diameter, very graceful, sweet-scented.

Chamele-o Pale yellow turning to a beautiful rose 10c.

Oderata Reddish lavender, very fragrant 10c.

Marguerite White 10c.

Chefrantus (See Wall Flower) Mixed 5c pkt.

Chrysanthemums Annual sorts, showy, effective garden favorites. Dbl. mixed 10c pkt.

Cineraria Seed may be sown from May to September in succession. Where only one sowing is made July should be preferred. Cinerarias grow so freely that the seedling may go straight from seed-pan to thumb-pots. For transplanting, plant in a cold frame facing north, if possible. When pots become full of roots shift into larger ones until the flowering size is reached.

Dwarf Mixed 25c per pkt.

Tall Mixed 25c per pkt.

Double Flowering 25c per pkt.

Stellata (Star Cineraria) A charming variety with large spreading panicles of starry flowers same colors as the common Cineraria. The grace and elegance of the plant and flowers make them very effective for house or conservatory decoration; especially fine for church decoration and very useful for cutting. 35c.

Cineraria (White Leaved Sorts)

Dusty Miller Fine for bedding and margins, valued for their beautiful, downy, silvery foliage, half hardy perennial; 2 ft.

Minima Candidissima Silvery foliage 5c pkt.

Acanthifolia Silvery foliage 10c pkt.

Clematis (Rapid-growing climber, fine for arbors and verandas. Seeds are slow to germinate, and should be soaked in warm water 24 hours; hardy perennial mixed colors. 10c pkt.

Cianthus (Australian Glory Pea) Beautiful, tender, perennial shrub with clusters of brilliant pea-shaped flowers, 3 inches in length, with large black blotch for center. 10c pkt.

Cockscomb (Cups and Saucers Vine) A rapid climber. Fine for trellises, arbors, etc., clings to any rough surface. Place seeds in the ground edgewise and cover with light soil.

Purple 10c pkt. pure white. 10c pkt.

Cocinea Indica (Scarlet-fruitied Ivy-leaved Climber) Handsome, gaudy species with beautiful glossy ivory-like leaves, contrasting with the fine snow white bell-shaped flowers and bright scarlet fruit. 10c pkt.

Colchis (Flame Nettle) An attractive foliage plant for house or garden, very interesting to grow from seed, easily raised; sow in March or April. 10c pkt.

Convolvulus (Morning glory) Climbing varieties, very popular and one of the most free-flowering, rapid-growing plants in cultivation; doing well in almost any situation, with beautiful brilliant-flowered annuals; 18 ft. Mixed colors 10c oz. 5c pkt. Dwarf per oz. 15c. 5c pkt.

Cosmos A very fine hardy plant with large, showy bright, yellow flowers, produced in great abundance from June until frost, especially fine for cut flowers having long stems and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. 50 c.

Cosmos Beautiful autumn-blooming plant, producing thousands of beautiful flowers in pure white, pink and crimson shades; fine for autumn decoration when other flowers are scarce. Sow in spring in open ground when danger of frost is over, or may be started under cover and transplanted. Set about 18 inches apart in rows or in masses in beds. When about a ft. high pinch the tops out to induce a bushy growth, 2 to 4 ft. in height.

Crimson, 5c.

Pink 5c.

White 5c.
Cosmos (Continued)

**Dwarf** 5c pkt.
**Mixed** 5c pkt.

Cucurbita (See Ornamental Gourd)

**Cyclamen** Charming plant with richly colored foliage, fragrant flowers. Great favorite for winter or spring. Sow in spring or autumn.

**Persicium** Choicest mixed. 15c pkt.
**Pure** white, dark red, rose each 25c pkt.

**Digitalis** (Umbrella Plant)

**Alchemilla** Excellent for growing in water or damp places. Very ornamental house plant. 10c.

**Cypress Vine** (Ipomoea quamoclit) A favorite summer climbing annual, with feathery foliage and star-shaped flowers borne in clusters.

**White** 5c pkt.
**Scarlet** 5c pkt.
**Rose** 5c pkt.
**Mixed colors** 5c pkt.

**Dahlia** One of the best late summer and autumn flowering sorts, very popular. The double sorts will bloom first season it sown early. Single will bloom first season if sown in the open ground. Many prefer the single sorts to Cosmos, having the larger variety of colors and longer season of bloom.

**Double**; finest mixed 10c.
**Single**; finest mixed 10c.

**Single Tom Thumb**, dwarf. 1 ft. 10c.

**Datura** (Trumpet Flower) Ornamental annuals, large showy flowers; 2 to 3 ft. Dbl. and mixed 10c pkt.

**Delphinium** (Perennial Larkspur) One of the handsomest hardy perennials, splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable.

**Zalil** (Hardy Yellow Larkspur) Produces very long spikes of 40 to 50 sulphur yellow blossoms, each 1 inch in diameter; flowers from June to August, plant thrifty and bushy; 3 to 4 ft. 10c pkt.

**Formosum** Popular for groups, tall spikes of dark blue flowers with white eyes; 2 ft. 5c pkt.

**Nudicaule** Large scarlet flower; 1-2 ft. 10c pkt. Mixed finest single 5c pkt.

**Mixed 10c pkt.**

**Dianthus or Pinks** A magnificent sort embracing some of the most popular flowers in cultivation, of great variety and brilliancy with profusion of bloom. The sorts classed as annuals may be sown out-of-doors when danger of frost is past. In a few weeks time they are a mass of bloom continuing until frost; 1 ft.

**Double Annuals**

**Chinesis Fl. Pl.** (China or Indian Pink). Mixed colors 10c.

**Hedewigii Fl. Pl.** (Japan Pink) Double mixed 10c.

**Snowball** Double white, fringed, very fine 5c pkt.

**Imperial Pl.** (Double Imperial Pink) Mixed 10c.

**Salpiglossus King** (Double Flowering) Finely fringed flowers of a brilliant salmon color 10c changing as they fade to a salmon-rose; charming for beds or borders. 10c pkt.

**Single Annuals** All single sorts have large flowers 2 to 4 inches in diameter, fine for beds or borders; 1 ft. high.

**Hedewigii Nobilis** (Royal Pink) Beautifully fringed, colors run from white to dark red 10c.

**Hedewigii (Japan Pink)** 10c.

**Lacinatus Fl. Pl.** (Double Fringed Pink) Large, double, showy flowers, with fringed edges and beautifully striped; mixed various colors. 5c.

**Hardy Garden Pinks** The varieties are well adapted for beds and borders; delightful, refreshing, spicy odor, should be in every garden where cut flowers are wanted.

**Semperflorens** (Ever-blooming hardy garden Pinks) Very beautiful, sweet-scented, double semidouble. Hardy perennial, blooms first year from May until frost of colors. 25c.

**Dianthus** (See Carnation) Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable for the green-house in winter and the garden in summer. The Marguerite is one of the best for summer flowering.

**Fine Double Mixed** The best for garden culture 10c pkt.

**Marguerite** These are the most popular of carnations with the amateur, as they begin flowering within a few weeks from the time of sowing. Our strain is of semi-dwarf, robust habit, requiring no artificial support, and produces on long strong stems an abundance of large double, beautiful fringed, highly scented flowers. Separate colors 10c. Mixed, all colors. Marguerite Culture 10c.

**Didiscus** Very pretty annual, blooms profusely from July to November, pale lavender blossoms well for cutting. 15c pkt.

**Digitalis** (Foxglove) Handsome ornamental hardy perennial plant, easily grown, fine for shrubbery. 3 ft. Mixed colors. 10c pkt.

**Dolichos** (Hæcith Bean) Rapid annual climber with large clusters of handsome flowers producing later in place of flowers, pods of a deep purple, very ornamental, mixed colors. 10c pkt.

**Dracaena** (Dragon Plant) Fine ornamental leaved plant. Mixed colors. 25c pkt.

**Eschscholzia californica** (Wild California Poppy) Quickest growing vine known, fine for covering trellises, fences, etc. 5c pkt.

**English Daisy** (Bellis Perennis) A favorite almost hardy perennial blooms from early spring until late in summer, easily raised from seed, 4 inches high. Dbl. mixed, finest quality 10c. Red, white or pink 10c.

**Erigeron** (Flea-bane) An attractive, asterlike flower, 1 inch across, purplish-rose with golden center, a perennial, blooms first year from May until frost; 20c pkt.

**Eryngium** (Sea Holly) Handsome ornamental, hardy plant 2 to 3 ft. high. Fine for drying for winter bouquets. 15c pkt.

**Eschscholtzia** (California Poppy) Fine annual for beds, border or masses, bloom until frost; 1 ft. Spl. mixed 50 pkt. Dbl mixed 50 pkt.
**Euphorbia** Strong, tall-growing annual, attractive foliage. 10c pkt.

**Forget-me-not** (See Myosotis) 5c.

**Four o'clock** or Mirabilis 5c.

**Fox Glove** (See Digitalis)

**Fuchsia** (Lady’s Eardrops) Well-known sort of easy culture, for house or garden, mixed colors. 25c pkt.

**Cassia** (Blanket Flower) Splendid showy annual, remarkable for profusion, size and brilliancy of flower, bloom until frost, fine for beds, borders or cutting; 1-1 1/2 ft. Mixed colors annually 10c pkt. Mixed colors, perennials, 5c pkt.

**Geranium** (Pelargonium) Double mixed, fine color 30c pkt.

**Clock Flowers** (Gomphrena) Known as Bachelor’s Buttons, fine bedding plant, flowers can be dried and be used in winter bouquets; 2 ft. mixed colors. 10c pkt.

**Clematis** A superb greenhouse sort with magnificent rich colored flowers; do best in equal mixture of peat, loam and sand, mixed colors. 25c pkt.

**Godetia** An attractive, hardy annual, profuse, showy flowers of varied colors; 1-1 1/2 ft. Mixed colors. 10c pkt.

**Gourd Ornamental** (Cucurbita) Rapid-growing, annual climbers, ornamental foliage; 15 to 20 ft. Mixed colors. 5c pkt.

**Grasses, Ornamental** These serve the double purpose of rendering mixed flower-beds of borders attractive in summer and for use in a dried state in winter bouquets, for large beds or groups on lawns, nothing gives a finer effect; largely used in public parks.

**Arundo Donax** (Great Reed) Hardy perennial. 10c.

**Briza Maxima** Fine for grass bouquets. 5c.

**Bromus Brizaefolius** Graceful, drooping perennial. 5c.

**Coix Lachrymae** (Job’s Tears) Broad, cornlike leaves, annual. 5c.

**Erianthus Ravenae** (Hardy Pampas) Beautiful perennial. 5c.

**Gynura Aconitifolia** (Pampas Grass) Perennial, blooms the second season, 10c.

**Stipa Pennata** (Feather Grass) Perennial, beautiful white, delicate begins to bloom the second season; 2 ft. 5c.

**Hypochlora** Pretty, free-flowering plant for rock work, edging, etc. Mixed colors. 5c pkt.

**Helianthus** (See Sunflower)

**Helichrysum** (Straw Flower) Fine, everlasting double flowers, fine for display; hardy annually 2 ft. Mixed colors. 5c.

**Delilatopus** (Cherry Pie) Half-hardy perennial, flowering the whole season, very fragrant. Can also be trained as a greenhouse climber. Mixed colors. 10c.

**Hibiscus** (Marshmallow) Showy, perennial plant with large beautiful colored flowers; 1-1 1/2 ft. Mixed colors. 10c.

**Hollyhocks** One of the most majestic of hardy plants, so well known that it needs no further description. In separate colors. 10c. Choose single mixed colors. 10c. Choose double mixed. 10c.

**Honesty** (Moonwort Satin Flower) Hardy biennial, with silvery seed pouches, very attractive; 2 ft. 10c.

**Anemone** (Japanese Hop) Ornamental, fast-growing climber resembling the common hop. 10c.

**Impatiens** (Sultans or Zanzibar Balsam) Charming plant for decorating greenhouse or dinner table, producing bright, waxy looking flowers. Mixed colors. 35c.

**Apoponia** Climbers of very vapid flowering, varied flowers; for covering walls, arbors, stumps, etc.

**Coccinea** (Star Ipomoea) Small scarlet flowers 5c.

**Bona Nox** (Evening Glory) Violet, large fragrant flowers, expanding in the evening. 5c.

**Rubra Coerulea** (Heavenly Blue) Bright sky blue. 10c.

**Grandiflora** (Moon Flower) Blooms at night and on dull days, pure white flowers, 5 to 6 inches in diameter, rapid climber, 10c.

**Job’s Tears** (Coix Lachrymae)

**Kenilworth Ivy** (See Linaria)

**Kochia Triocphylla** or **Burning Bush** 10c pkt

**Lady Slipper** (See Calceolaria)

**Lantana** One of the most desirable half-hardy perennials, constantly in bloom, verbena-like heads of orange, white, rose and other colors; 2 to 3 ft. Mixed colors 10c.

**Imperial Japanese** This variety without question the handsomest of all Morning Glories. Grow in good soil as soon as weather permit, a strong vigorous climber, flowers of gigantic size, remain open most of the day. The colorings are beyond description. Choose mixture 10c.

**Larkspurs** (See Delphinium) One of the best known garden flowers, hardy annually

**Dwarf Rocket** 1 ft. Mixed colors 10c. Dbl. mixed 10c.

**Double Stock Flowered** Tall branching sort; 2 ft. 5c.

**Lathyrus** (Everlasting or Hardy Sweet Pea) Free-flowering hardy perennial climber continually; bloom colors. 5c pkt.

**Lavender** (Lavandula Vera) Well-known, sweet-scented, hardy perennial; 3 ft. 5c pkt.

**Linaria** (Kenilworth Ivy) Charming small, hardy perennial, trailing plant. 10c pkt.

**Linum** (Scarlet Flax) A very showy bedding plant, brilliant scarlet, excellent bloomer, hardy perennial; 1 ft. 5c pkt.

**Lobelia** (Cardinal Flower) Popular flowering plant for pots, hanging baskets, etc. Bloom profusely from June to November, hardy perennial.

**Crystal Palace** Rich deep blue. 10c pkt.

**Crimson** white or blue 10c pkt. Mixed colors 5c pkt.

**Hardy Perennial Lobelia** (Cardinal Flower) Brilliant scarlet; 3 ft. 10c pkt.

**Lophospermum** Beautiful climbing plant, trumpet shaped flower, 10 ft. 10c pkt.

**Lupinus** Ornamental free-flowering annual, various colored, pea-shaped flowers; 2 ft. 5c pkt.

**Logging** Handsome hardy perennial, easy culture, fine for beds and borders. Mixed colors 10c.

**Marigold** (See Tagetes also Calendula. French Varieties) An old favorite, free-flowering

**Double Yellow** 10c pkt.
Margold (Continued)

Single Yellow  10c  pkt.
Mixed colors  5c  pkt.

African varieties

Double yellow  10c  pkt.
Large African Tall, double yellow;  2 ft.  50c  pkt.

Signanlta Pumila A dwarf, compact, bushy annual margold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; fine border plant.  5c  pkt.

Matricaria  ( Feverfew ) Free-flowering, blooms until frost, hardy annual;  18 inches.  Dbl white  10c  pkt.

Maurandia Beautiful, slender-growing Climber, half-hardy perennial;  10 ft.  Mxd colors  10c.

Mesembryanthemum ( Ice Plant ) Dwarf trailing plant of great beauty, blooming the whole summer, half-hardy annual;  6 inches.  5c  pkt.

Mignonette  ( Reseda ) A popular favorite, sown in April and again in July, will keep up a succession of bloom until frost; also suitable for pots, very fragrant,  ( orange )  5c  pkt.

Golden Mache  10c.

Miles  Spiral spike;  8 to 10 inches long, very fragrant.  5c.

Improved red  5c.

White  Very fragrant.  5c.

Sweet scented  Old popular variety, small spikes, very fragrant.  5c.

Mimosa  ( Sensitive Plant ) A curious, interesting annual with pinkish-white flowers, leaves close and droop when touched or shaken.  5c  pkt.

Mimulus  ( Musk Plant ) Very showy, profuse-flowering plant, half-hardy perennial, blooms first year if sown early;  1 ft.  5c  pkt.

Tigrinus  ( Monkey Flower ) Spotted variety.  5c.

Moschatus  ( Musk Plant ) Fine for hanging baskets, small yellow flowers, fragrant foliage  5c.

Palustris ( True for get-me-not, beautiful blue flower;  6 inches.  10c.

Mirabilis  ( See Oats & o' clock )  5c  pkt.

Momordica  Very curious climber, ornamental foliage, fruit golden yellow, opens when ripe, showing the seed and its beautiful carminie interior, fine for rock-work, etc., annual  10 ft.  5c.

Morning Glory  ( See Convolvulus )

Musa Ensete  ( Abyssinian Banana ) A splendid plant for open ground, producing a most striking effect when planted singly or in groups, thrives best in hot seasons, growing very large, 10 to 20 ft., especially when freely supplied with liquid manure. Seeds germinate easily if started in hot bed; tender perennial.  25c.

Musk Plant  ( See Mimulus )

Myosotis  ( For get-me-not ) A pretty, small, double, aster-like flower, half-hardy perennial, blooms first year if sown early; bright blue;  6 inches.  5c.

Nasturtiums  ( Tropaeolum ) For ease of culture, duration of bloom, brilliancy of color and general purposes nothing excels this popular variety. Plant in moderately good soil well-drained, sunny position, quick growing and bloom profusely until hard frost comes. Tall Climbing sorts.  Crimson 5c, lilac 5c, yellow 5c, white 5c, purple 5c, rose 5c, mixed 5c.

Lobb's Climbing Nasturtiums  Scarlet, white, red.  5c each.

Tom Thumb  No collection of flowers should be without Nasturtiums, they grow so freely and afford such a variety of rich bright colors. As a cut flower there is nothing more effective and scented and pleasing in every way.

Tall Varieties mixed.  10c oz.  5c  pkt.

Dwarf  Varieties mixed.  15c oz.  5c  pkt.

Our mixture of Nasturtiums is the finest in the country.

Nasturtium Dwarf  Aurora, very fine 5c  pkt.

" " Beauty, yellow and scarlet,  5c  pkt.

" " Bronze, 5c  pkt.

" " Cardinal ( Dark scarlet )  5c  pkt.

" " Cloth of Gold ( Light foliage )  5c  pkt.

" " Crystal Palace dwarf,  5c  pkt.

" " Empress of India ( Dark leaves )  5c  pkt.

" " King of Tom Thumb,  5c  pkt.

" " King Theodore, very dark,  5c  pkt.

" " Ruby King,  5c  pkt.

" " Flammulat, Grandiflorum, tall. Scarlet and yellow, extra fine,  5c  pkt.

Nicotiana  ( Tobacco Plant ) Delightful, sweet-scented, pure white tubular flower, blooming continuously; annual; 2 to 3 ft.  5c  pkt.

Nigella  ( Love in a Mist, or Devil in the Bush ) A compact, free-flowering plant with curious looking flowers and seed-pods; of easy culture; hardy annual; blue and white mixed;  1 ft.  5c  pkt.

Ornamental Grasses  ( See Grasses )

Pansies  Are so well known that no description is necessary. Sow early and transplant. Our pansies are imported direct from the grower and are equal to the best that are offered.

Fine mixture of leading shades and colors 10c.

Extra choice mixture of best large flowering varieties,  25c.

Giant Trimarcan Pansies  Fine mixed.  10c.

Cardinal, fine scarlet, very showy  10c.

King of the Blacks  10c.

Golden Yellow  10c.

Emperor William  10c.

Light Blue  10c.

Snow Queen  10c.

Pure Yellow  10c.

Violas or Tufted Pansies  While the Pansy Proper is a spring flower, violas flower throughout the entire season. Seeds sown in spring produce flowering plants by June which blooms until frost. Splendid mixed colors, fine varieties.  10c.
Passiflora (Passion Flower) Fine climbing plant for garden or greenhouse with a profusion of attractive flowers; mixed. 10c.

Pentstemon (Beard-Tongue) One of the most beautiful attractive herbaceous plants; bearing long graceful spikes of rich colored flowers: if sown early and transplanted in May will bloom Unmixed 10c; mixed colors 10c.

Perilla Foliage a dark purple, annual; 3 ft. 5c pkt.

Petunia For outdoor decoration or house culture few plants equal the Petunia. Commences flowering early and continue a mixture of bloom until killed by frost, easily cultivated, requiring a good soil and sunny position. Superb double fringed. 50c.

Double Large Flowering fine mixture. 25c.

Single Varieties

Ruffled Giant Very large, in great variety of colors 25c.

Fringed Giant, Very fine. 35c.

Snowball Pure white. 10c.

Striped and Blotted Small flowering. 5c.

Phlox Drummondii Of all summer flowering annuals this variety is unquestionably one of the most brilliant and satisfactory. Seed may be sown in open ground after danger of frost is past and in a few weeks the beds or borders are all aglow with their brilliant coloring until cut down by the frost. For early flowering they should be started indoors. Phlox Drummondii Mixed colors. 5c pkt.

White 10c, pink 10c, rose 10c, scarlet 10c, red 10c.

Dwarf Phlox This strain of dwarf, compact habit, makes a desirable pot plant, also for ribbon lines and mailing; 6 inches high. Scarlet, white, pink, mixed colors 10c.

Double Phlox Especially fine for cut flowers, lasting better than the single sorts. Sow in light soils. Mixed colors 10c.

Star Phlox (Star ofQueeningburg) Dwarf, pretty star-shaped flower. Mixed colors 10c.

Hardy Perennial Phlox All colors, mixed 10c.

Pinks (See Diasanthus)

Poppies An extremely popular brilliant flowering annual. Poppies should be sown where they are to remain, as they will not stand transplanting.

Single Annual Poppies Shirley's selected Strain 10c, scarlet 5c, white 5c.

Papaver Poppy is tall and upright, producing many large wavy-shaped scarlet flowers. 10c Single mixed 5c.

Oriental Poppy Perennial, exceedingly showy, scarlet with black centre. 10c pkt.

Double Annual Poppies Mixed colors 5c.

Psammosa Flowered Large showy, double mixed colors 5c.

Portulaca (Sun Plant) Fine hardy annual, of easy culture, thrives best in rather rich light sandy loam and sunny situation, flowers of richest colors, blooming throughout the summer in great profusion, fine for beds, edging or rockwork; 6 inches. Sgl. mixed 5c. Dbl. mixed 10c.

Primula (Primrose) Charming, simple, beautiful, fine for winter or spring decorations. One of the most important winter-blooming pot plants, sow from March to May. White 50c pkt. scarlet 50c pkt. pink 50c pkt. crimson yellow eye 25c pkt. mixed colors 25c pkt. Double mixed 50c pkt.

Primula (Obovallis Grandiflora) On single white, slight tinge of lilac. Everblooming. 10c pkt.

Pyrethrum Handsome herbaceous plants of easy culture so much used for bedding edging etc.

Aureum (Golden Feather) Bright yellow foliage, 10c.

Double mixed 25c, single mixed 10c.

Reseda (See Mignonette)

Rhexanthum (Swan River Everlasting) A charming annual; does well in a light rich soil and warm sheltered situation. Fine for pot culture, flowers everlasting. Mixed colors. 5c.

Rheum (Caster Oil Plant) Ornamental plant of stately growth and picturesque flowers, brilliant colored fruit; fine for lawns or border plants for beds, mixed all colors. 5c.

Philippiensis 10 ft. 5c.

Salpiglossis (Painted Tongue) One of the greatest favorites among annuals. Partly on account of its easy culture, but mostly for its beautiful, almost orchid-like flowers. Mixed sorts 5c pkt.

Salvia (Flowering Sage) A favorite bedding plant, bearing long spikes of flowers in great profusion from July until frost, half-hardy perennial, blooms the first year from seed sown indoors and transplanted when weather permits.

Splendens (Scarlet Sage) Beautiful bright scarlet. 10c pkt.

Patens (Blue Sage) 5c.

Scabiosa (Mourning bride or Sweet Scabious) A very handsome and autumn border plant with profusion of very double flowers. Splendid for table bouquet; hardy annual; 2 ft. Double mixed. 10c pkt.

Scarlet Runner Beans Great favorite of England and continent of Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet blossoms. 5c pkt.

Schizanthus (Butterfly or fringe flower) Splendid annual with a profusion of various colored flowers; fine for greenhouse decorations and flower garden, of easy culture. Mixed. 5c pkt.

Smilax (Myrsiphyllum Asparagoides) In many respects the Smilax is the most useful, and certainly one of the most graceful climbers; for bouquets and floral decorations it is indispensable. Soak seed in warm water for 12 hours and plant in pots. A tender perennial; white; 10 ft. 10c pkt.

Solanium (Jerusalem Cherry) Very useful pot plant for winter decoration, dwarf branching habit, leaves small and oval shaped, bearing in great profusion bright scarlet globular berries 1 ft. 10c pkt.

Sonnidium (See Antirrhum)

Stocks (Gilliflower) The stock is one of the most popular annuals, either for bedding or pot culture, for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.
Stocks (Continued)

Large Flowering 10-Weeks Stocks Red 10c, blue 10c, pink 10c, purple 10c white 10c, yellow 10c, mixed colors 10c.

Cut-and-come-again 10-weeks stock Splendid perpetual blooming class. Bow March or April. They begin flowering in June, continuing until frost, and are especially valuable for cutting arrangements. From October onward, when other flowers are scarce, they throw out numerous side branches, all bearing fine double flowers. Excellent for cutting. White 10c, rose 10c, red 10c, blue 10c. Fine mixed colors. 10c pt.

German Stocks Half-hardy biennial, double flowers; 2 ft. Mixed colors. 10c pkt.

Sunflower Remarkable for their stately growth, size and brilliancy, making a very showy effect among shrubbery and for screens. Single sunflowers are indispensable for cutting. Best in a sunny spot in April or May. They come into bloom early in summer and keep up a constant supply of flowers until cut down by frost. 5c pkt. Single dwarf or miniature sunflower 10c pkt. Giant Sunflower, 5 ft. 5c pkt.

SWEET PEAS

Ebeling's cream of the named Sweet Peas. This is a select list of giant-flowering varieties. We have discarded all small-flowering sorts and duplicates under different names.

America Crimson scarlet, striped on white, large size. 5c pkt. 25c oz.

Blanche Ferry Extra early. The popular pink and white. Comes into flower ten days earlier than others. 5c pkt. 25c oz.

Dainty Pure white edged with pink on the standards and wings. 5c pkt. 25c oz.

Dorothy Eckford The grandest, pure white; very large, producing enormous mass of blooms. 5c pkt. 25c oz.

Gorgeous Brilliant orange salmon. 5c pkt. 25c oz.

King Edward VII Bright red, giant flowering, very fine, strong stems. 5c pkt. 25c oz.

Lady Glelvel Hamilton The finest pale lavender. 5c pkt. 25c oz.

Lochview White shaded lilac, white shaded, and edged lavender blue. 5c pkt. 25c oz.

Lovely Variegated rose, pink, large and extra fine. 5c pkt. 25c oz.

Navy Blue Deep indigo blue, medium size. 5c pkt. 25c oz.

Othello Deep maroon, very dark maroon, fine form and large size. 5c pkt. 25c oz.

Prima Donna Soft pink; a magnificent rich, pure pink; very fine. 5c pkt. 25c oz.

Prince of Wales The finest bright rose. 5c pkt. 25c oz.

Sweet Pens Mixed Price, 5c pkt: 15c oz; 25c 1-4 lb; 75c lb. Our mixture of sweet pens are mixed under our personal supervision and contain all of the very best named sorts known to the trade, and we confidently offer them to most careful and critical buyers. A finer mixture cannot be found.

Sadie Burpee. Pure white, large size, very fine. 5c pkt. 25c oz.

Black Knight—Deep Maroon. 5c pkt. 25c oz.

Lord Nelson—Rich Navy Blue. 5c pkt. 25c oz.

Countess of Richmond—Light Lavender. 5c pkt. 25c oz.

President—Spencer Type, Chocolate Markings on Gray Ground. Wavy. 25c oz.

Barbara—Spencer Type, a large Salmon Orange—Beautiful Color. 25c oz.

John Ingman—Spencer Type, Rosy Carmine showing rings of deeper shade. 25c oz.

King Edward—Spencer Type, Rich Crimson, Waved. 25c oz.

Spencer Mixed—25c oz.

Maud Holmes—Large Crimson waved. 5c pkt. 25c oz.

Sweet Rocket (Hesperis) Old-fashioned garden plant, also known as Dame's Rocket and Dame's Violet; 2 to 3 ft. high, with spikes of showy white, lilac and purple fragrant flowers fine for shrubbery and permanent border; mixed colors. 5c pkt.

Sweet William (See Contauria)


Tagetes (See Marigolds and Calendula)

Signata Pumila A dwarf, compact, bushy, annual marigold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; flat border plants. 5c pkt.

Thunbergia (Black-eyed Susan) Beautiful rapid-growing climber used especially for hanging baskets, low fences, etc., flowers in buff, white orange, etc., with dark eyes; mixed colors 5c pkt.

Torenia Fine annual; splendid plant for vases, hanging baskets, borders etc., blooming the entire season. Blue, white, and yellow. 10c pkt.

Tritoma (Red Hot Poker Plant) Readily grown from seed. Will bloom first year if sown early in February. Tritomias are becoming very popular for bedding plants and cut flowers; hardy perennial; 4 ft. Vary in color from light and deep orange, salmon and carmine. 10c pkt.

Propaeum (See Nasturtium)

Verbena One of the most popular and free-blooming varieties and so well known that a detailed description of this variety is unnecessary. Half-hardy perennial; easy of culture; sow early and transplant when weather permits. Fine for beds, baskets, rockeries, etc. Scarlet 10c, variegated 10c, white 10c, mixed colors 10c.

Vioia (See Pansies)

Vinca (Madagascar Periwinkle or Old Maid) Ornamental free-blooming plant, fine for bedding flower from seed the first season continuing until frost, or they may be potted and kept in bloom through the winter, 2 ft. Rose 10c, white 10c, mixed 5c.

Wallflower (See Cheiranthus) Half-hardy perennial, 1-2 ft high. Mixed 5c pkt.

Wild Cucumber (See Echinocystis) 5c pkt.

Wild Flower Garden 5c pkt.

Zinnias (Youth and Old Age) One of the most brilliant and showy of annuals. An old and continued favorite. The seed can be sown early and transplanted or sown later in open ground. They come into bloom early in summer, and continue until hard frost. Dwarf double white, orange scarlet, rose, etc. 5c. Tall double mixed 5c. Dwarf single mixed.
FOREST CITY BALL BEARING

This unquestionably is the Best Ball Bearing yet on the market. Perfect in detail, absolutely guaranteed.

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HIGH WHEEL IMPERIAL


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IMPERIAL HORSE LAWN MOWER

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn mower. Cuts within one fourth of an inch of the edge.

Has a revolving cutter with four crucible steel blades, tempered in oil and cuts six inches wide.

PRICE $10.00

Price on Application.

Absolutely Guaranteed to Cut Clean in turning around. Send for Catalogue and Prices.
SPRING PLANTS, BULBS AND ROOTS.

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<tr>
<td>Daisies</td>
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<td>Petunias</td>
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<tr>
<td>Beautiful Japanese Fern</td>
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<tr>
<td>Assorted Plants</td>
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<td>.10</td>
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<tr>
<td>Double Lobelia</td>
<td>12-1-2</td>
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<tr>
<td>Porch hanging baskets</td>
<td>10-25 to $2.00</td>
<td>$1.25 to $2.00</td>
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<tr>
<td>Moss for hanging .15 per lb.</td>
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</tbody>
</table>

Under the new law all Berry Baskets must be made up to the standard size. We offer Berry baskets of correct size and shape and well made. Prices right. Our Baskets fit the crate perfectly.

We can save you money on berry baskets if you place orders early. Call and see us before buying.

GRAPE BASKETS

We carry a large stock of Grape Baskets at the lowest market price.

FLOWER TUBS, ALL SIZES

$1.00 $1.50 $2.00 $2.50 $3.00 $4.00

FLOWER TUBS, ALL SIZES

<table>
<thead>
<tr>
<th>Size</th>
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<td>$3.00</td>
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<tr>
<td>$4.00</td>
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</tbody>
</table>

TRELLISES, URNS, VASES, SETTEES

We offer a fine variety of styles in various sizes suitable for lawns front, yards, cemeteries, parks etc. These can be furnished to order on short notice, at reasonable prices. For full particulars, write or call and see us.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
No more dry weather worries. Turn a valve and have rain when you want it. Beat your neighbor for early vegetables as well as quality. Skinner System special portable, irrigation lines keep the soil soft and porous; reduce cultivation; make gardening a real pleasure. An exact reproduction of the big truck growers' system. Waters a strip 50 feet wide and the length of the line at 30 pounds pressure.

Lines of heavily galvanized pipe, equipped every three feet with patent brass nozzles that break the water into the fine spray that makes crops grow like magic. Roller Bearing supports for the line, flushing valve, turning union all included. Does not require a plumber. Any man with a monkey wrench can put up a line in a few moments. Attaches to inch hose or underground pipe. Can be supported on pipe any size, $\frac{3}{4}$ inch to 1$\frac{1}{2}$ inch. Complete directions with each line.

Lines from 30 to 130 feet long can be fed through $\frac{3}{4}$-inch hose; lines from 180 to 200 feet long fed by 1-inch hose.

Price: 40 cents per foot for lines from 50 to 200 feet long, plus $1.50 extra. Example: 50-foot line $21.50. Lines from 30 to 50 feet long at the 50-foot price ($21.50) less 20 cents per foot. Example: 30-foot line, $17.50.

---

**THE WEEDER THAT WEEDS**

The only Weeder that has proved a real success and became popular over night. The ladies' real garden friend and the men swear by it. More than a million in use. Prices 75c to $1.50.
No. 306 Combined Hill and Drill Seeder, Double and Single Wheel Hoe. Sows accurately small garden or flower seed, in continuous rows or in hills, 4 to 24 inches apart, opens its own furrow, covers the seed and rolls it, and marks the next row. Sows where you can see it drop. Adjustable index permits you to sow as thick as your experience tells you is right. The shut-off is connected at the handles, at your finger ends. Includes all cultivating tools shown with it and described under No. 301 Wheel Hoe on the next page.

Packed weight, 57 pounds. If wanted as drill only order as No. 7. See illustration.

No. 304 Combined Drill Seeder, Double and Single Wheel Hoe is same as No. 304 except that it is arranged to sow only in continuous rows and it has a different opening plow.

NEW MODEL SEED DRILL. Is strongly built and made to sow accurately in continuous rows, any thickness wanted. Opens its own furrow, covers the seed and rolls it. Also marks the next row. Index helps you to set right for sowing. Flow of seed can be cut off instantly. Adjustable marker. Capacity two quarts. Sows all kinds of seed.

Ask for special IRON AGE booklets giving full descriptions.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
WHEEL HOES

No. 301 DOUBLE AND SINGLE WHEEL HOE. Works astride or between the rows. Can be changed from double to single wheel in 3 minutes. This is the Wheel Hoe form of No. 306, and will take seeder attachment any time. Price of attachment, $8.50. The tools include pair each side hoe, plows and rakes, also four steel cultivator teeth, all adjustable on the frame to suit width rows and character of work you are doing. You can open or cover furrows, ridge growing crops, cultivate, hoe close to plants without danger to them, pulverize and level the soil, and so forth. Steel frame, 16-inch steel wheel, bicycle style. Adjustable handles. Is pushed ahead a step at a time in a natural way. Sold complete as No. 301 or as No. 303 with side hoes only. Takes Disc Cultivating Attachment, Fig. 369. Landside Plow Attachment, Fig. 82, and many others.

No. 301 Double and Single Wheel Hoe, $12.00

Fig. 369, Disc Cultivating Attachment, $3.50

No. 19-C $6.50
Complete with all tools

No. 303, With Side Hoes only
PRICE $8.00

No. 19-C Wheel Cultivator and Plow
Has extra high steel wheel — 24 inches—which some seem to prefer. The frame is an all-steel arch in three parts—compact, light, durable. The working tools are attached in position easily and are adjustable. The plow is noted for turning a fine good furrow.

The cultivating tools include Landside Plow, Scuffle Hoe, two separate Cultivator Teeth, Set of Cultivator Teeth on bracket.

No. 302 SINGLE WHEEL HOE, CULTIVATOR, ETC. Will do practically same work as No. 301 except that it is meant to go between rows only. Seed attachment can be used on it if wanted. If wanted with side hoes only, order as No. 321, Price $6.25.

No. 320 Complete
Price $9.00

Fig. 82, Landside Plow Attachment, $1.75

Ask for Iron Age Booklet, "MODERN GARDENING"

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
HORSE HOES AND CULTIVATORS

Ask for complete new booklets on Horse Hoes, Harrows and Two-Horse Walking Cultivators.

These tools are all made standard and you can purchase them in their simplest forms and build up to whatever your ground or crops need—with or without lever expander, with lever or plain wheel or without either, etc. Long, high steel frames, make them run steady and clear of trash.

No. 600 EP Horse Hoe and Cultivator has a range of cultivation from 14 inches to 30. The hoe standards are solid steel, attached to the frame bars with malleable ratchet castings that give adjustments to the hoes at any angle.

No. 1014 EP Harrow and Cultivator carries 14 diamond shaped steel teeth with a small cultivator point forged on one end. It is adjustable for many kinds of crops and may be used as a Harrow or Cultivator. Opens to 34 inches and closes to 11.

No. 1007 EP Seven Tooth Cultivator. Especially adapted for first work age or in level cultivation. The teeth are narrow and cut deep, throwing small furrows that do not harm the young plants. Thorough cultivation in all soils. Opens to 24 inches and closes to 10.

No. 976. $50.00

Two-Horse Walking Cultivators.

These are balance frame machines that are often used on steep hillsides or in very rough ground. The gangs shift in parallel lines, the points always face one way and the handles are adjustable to permit the operator to work astride the row or at one side. The wheels are steel and adjustable on the arch from 36 to 48 inch rows. Built with 6 or 8 break pin or spring hoes or with spring teeth.

ASK FOR IRON AGE BOOKLETS

Prices subject to change without notice.
These are for use in gardens or on truck farms.

No. 322 sows the fertilizer and seed at same operation. Opens two separate furrows for fertilizer and covers with soil before opening furrow for the seed. Covers the seed, rolls it and marks the next row. Distributes fertilizer thoroughly and sows the seed with practically the same seeding attachment as on No. 306 Combined. No. 322 can be used for side dressing and includes pair of extra wheels to travel astride the plants.

No. 322 Combined Fertilizer Distributor, Hill and Drill Seeder, $32.00

Plants one seed piece in every space and one only. Makes a perfect stand possible and saves at least one bushel of seed per acre. Straight rows, even depth and uniform spacing. Can plant 9 to 24 inches apart. Furnished with or without fertilizer distributor, regular or large size. Also, with seed box extension if wanted. Steel seed box. Steel frame. Choice of four styles of opening

No. 400 R, $160.00

Plows. The boy on the back seat pays, for it costs no more to prepare ground, cultivate, fertilize and spray a perfect stand, and every hill missed decreases your yield.

No. 78—Ball Steel Pivot-Wheel Riding Cultivator, $68.00. No. 76—6-hoe plain, $65.00

Ask for Special Iron Age Booklets on each line.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
SPRAYERS
For Every Purpose

There are more than 70 combinations suitable for all kinds of spraying, and most of them can be built up on the unit plan so that you can buy what you need now and the balance as you require it.

No. 192 Bucket Pump
Made of brass and so put together that anyone can quickly get at any part for cleaning or repairs. Bronze ball valves, candlewick packing, pressed brass nozzle.

No. 197 is same pump mounted in 20-gallon barrel, on steel wheels, with four feet of steel pipe. Pump is detachable in less than a minute. A good outfit for disinfecting stock buildings or any other spraying.

No. 190 is 50-gallon horizontal barrel rig, mounted for use in any wagon, cart, etc. Pump, single or double acting. Can be built into a 50-gallon power rig or combination hand and power outfit. Automatic mixing of solutions.

No. 190—50 Gallons $40.00

Fig. 457 shows 4-row attachment for use with No 190 at back of a wagon, in row crops. Intended for small acreage.

TRACTION SPRAYERS
For Potatoes and other row crops

No. 358
With Pole
Price, $250.00
Dis. for Cash
100-gal. Tank
4-row

The No. 354 Four-Row Traction Sprayer on this page is fitted with this powerful Duplex Pump. This fast-working long-lived machine will deliver spray at a pressure of 150 lbs. or more.

No. 354 Four rows, 55-Gal. Tank; Pole; Duplex Pump; wind shift and nozzle strainers.
$175.00

No. 354S Same as No. 354 except with shafts instead of pole. $170.00.
No. 355 Same as No 354 except with 100-gallon tank $200.00.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
LIME AND SULPHUR

Every spring when the buds are swelling, but before they show green at the tips, all your fruit trees, vines, shrubs of every kind should be sprayed with our Lime-Sulphur. Applications made later than this may burn the foliage and cause serious injury. Therefore you should order early and be prepared for the season.

Lime-Sulphur is not a poison and kills only by coming directly in contact with the insect. It does not kill leaf-eating insects. Spray for these with our Pyrox.

It's in concentrated solution, always ready for Fall, Winter and Spring use. You simply add spring water and then spray.

1 gal. 75c; 5 gal. $2.50; 10 gal. $4.00; barrel lots at special prices.

PYROX—KILLS AND CURES

Pyrox sticks like paint; kills all leaf-eating insects, and prevents disease on potatoes, fruit trees, shade trees, and small fruits and vegetables. It serves the purpose for which two mixtures were previously used, and has done so for over ten years. Pyrox is no experiment; it was introduced in 1898.

It Won't Wash Off. If it were not for the new growth coming along, as is usually the case with shade trees, fruit trees, shrubs, potato vines, etc., and which of course must be protected, one spraying would be enough for the season. Lb. 45c; 5 lbs. $2.00; 10 lbs. $3.50; 25 lbs. $6.50; 50 lbs. $11.50; 100 lbs. $21.00; 300 lbs. $58.00.

ARSENATE OF LEAD

In Powder Form

<table>
<thead>
<tr>
<th>Package Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/2 lb.</td>
<td>$0.30</td>
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<tr>
<td>1 lb.</td>
<td>$0.50</td>
</tr>
<tr>
<td>2 lb.</td>
<td>$1.00</td>
</tr>
<tr>
<td>5 lb.</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

ARSENATE OF LEAD PASTE (Same as Pyrox)

For Caterpillars and Chewing Insects

For spraying trees and shrubs against leaf chewing insects, fruit flies, and codling moth.

Contains 15% of Arsenic Oxide, mixes easily in water without clogging nozzle, sticks like paint, kills quick and will not burn foliage. Dilute 1 lb. to 25 gallons. 1 lb. 45c; 5 lbs. $2.00; 10 lbs. $3.50; 25 lbs. $6.50; 50 lbs. $12.00; 100 lbs. $21.00.

INSECTICIDES

Kiltone, modified, 10 lbs. $2.50.
Lambert's Death-to-Lice, 15c, 30c, 60c, $1.
London Purple, per lb. 60c.
Jumbo Powder Gun, 60c.
Lime and Sulphur, gal. 75c; 5 gal. $2.50.
Nico-Fume, bbl. lots at special prices.

75c. for spraying and vaporising,

Nico-Fume Tobacco Paper for fumigating, 24 sheets $1.25; 144, $5.00; 288, $9.50.
Nicotine, 1/2 pt., $1.25; pint, $2.50.
Paris Green, 1/2 lb. 20c; 1 lb. 35c; lb. 65c.
Persian Insect Powder, per lb. $1.25.
Scapecid, 1 qt. 65c; 1 gal. $1.65; 5 gal. $6.50.

Slug Shot, 1 lb. carton 15c; 5 lbs. 50c.

Tanglefoot, 1 lb. 60c; 3 lbs. $1.75; 10 lbs. $5.00.

Toxic Smoke, 5c; per bale $3.50.

Tobacco Stems, 1 lb. 5c; per bale, $2.50.

Weedicide, per gallon, $1.75.

Fish Oil Soap, 1 lb. 35c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
AUTO-SPRAY NO. 1

Capacity About 4 Gallons

This is the strongest and simplest compressed air sprayer on the market.

More than 300,000 are in use and it has never failed to please our trade during the years we have sold it.

It is used to spray vines, shrubs, trees, potatoes, also for applying disinfectants and whitewash in buildings.

It is made with galvanized or brass reservoir, as ordered. (We recommend the brass because not affected by strong chemicals.)

GUARANTEE—We agree to refund purchase price to any dissatisfied customer within ten days.

NET CASH PRICES

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>Auto-Spray No. 1-B, brass tank</td>
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<tr>
<td>Auto-Spray No. 1-D, galvanized tank</td>
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</tr>
<tr>
<td>2-ft. Brass Extension for trees and low down work</td>
<td>.60</td>
</tr>
<tr>
<td>Brass Elbow to spray under side of leaves</td>
<td>.40</td>
</tr>
<tr>
<td>Brass Strainer for filling</td>
<td>1.50</td>
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</tbody>
</table>

NON-CLOG ATOMIC NOZZLE

This nozzle is what its name implies. It is the only nozzle made which does not and cannot clog.

It may be adjusted for wide or narrow spread of spray and for long distance or near-by work.

We warrant this nozzle and will refund purchase price within ten days to any customer who is not more than pleased.

We repeat IT DOES NOT CLOG. One user said the NON-CLOG was worth $10.00 to him.

PRICE—Brass, straight or 45 degrees $1.50

AUTO-SPRAY NO. 40

A General Purpose Sprayer

Made in two sizes, either galvanized or brass tank and with or without truck.

The pump is powerful, has brass working parts and ball valve, an ample agitator cleans suction screen in operation and mounted on truck with 20-inch wheel, is easily portable on soft ground.

Each machine is equipped with 8 feet of ½-inch high grade hose, 8 feet of iron extension pipe, lever shut-off and nozzle.

The Auto-Spray No. 40 is adapted to both large and small work and will spray a tree as well as the largest sprayers made. It is largely used for whitewashing and in greenhouses.

PRICES

<table>
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<tr>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>Auto-Spray No. 40-A—Brass tank, capacity 8 gallons, no truck</td>
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<tr>
<td>Auto-Spray No. 40-B—Galvanized tank, capacity 8 gallons, no truck</td>
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</tr>
<tr>
<td>Auto-Spray No. 40-C—Brass tank, capacity 12 gallons, with truck 20-in. wheel</td>
<td>41.50</td>
</tr>
<tr>
<td>Auto-Spray No. 40-D—Galvanized tank, capacity 12 gals., with truck 20-in. wheel</td>
<td>33.00</td>
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PRICES SUBJECT TO CHANGE WITHOUT NOTICE
SLUG SHOT

It is a light, composite, impalpably fine powder, easily distributed by Duster, Bellows, or in water by spraying. It is thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides.

Protexol or Carbolinium
Insecticide and Wood Preserver

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
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<tbody>
<tr>
<td>1 gallon</td>
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<tr>
<td>5 gallons, per gal.</td>
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<tr>
<td>10 gallons, per gal.</td>
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</table>

Special prices for larger quantities.

SULPHO-TOBACCO SOAP

Quickly exterminates all insect life on plants or flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless Insecticide this is unexcelled. It also acts as a valuable fertilizer reviving plant life. For domestic purposes it rides the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this popular and well known Insecticide, if you desire to be successful in plant culture. A trial will give highly gratifying results.

3-oz. Cake, sufficient for 1½ gallons prepared solution, 20c; mailed postpaid 24c.
8-oz. Cake, sufficient for 4 gallons prepared solution, 30c; mailed postpaid 35c.

With every order we enclose free a booklet "the Window Garden," giving valuable information of Plants, and exterminating of Insects.

BUG DEATH
Contains No Paris Green or Arsenic

This Insecticide has been on the market for over twenty years. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical Insecticides, 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.

Put up in packages as follows:
1-lb. package (sifter top)........................... $ .25
3-lb. package........................................... .40
5-lb. package........................................... .60
12½-lb. package......................................... 1.35
100-lb. package........................................ 8.50
Dickey Bug Death Duster.............................. .50
B-D Sifter................................................ .75

IT STICKS; IT STAYS; KILLS BUGS, AND PAYS

To Destroy Ants in Hills, Etc.

Inject bisulphate of carbon in the hills. This will destroy them promptly.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
The "Fruitall" is extremely simple in design, of smaller capacity and lighter weight than the "Pomona." It will supply two leads of hose and two nozzles. All working parts, including plunger, gland, valves, valve seats and strainer are of BRONZE. A wing agitator is used, similar to that on the "Pomona."

The "Pomona" is an extra high grade barrel sprayer with sufficient capacity to supply two leads of hose and four nozzles. The plunger, plunger connection, gland, valves, valve seats, and strainer body are solid bronze. The plunger is 2½ inches in diameter and is outside packed, so that it is not necessary to take the pump apart to re-pack it. The air chamber is extra large, 3 x 30 inches, making it easy to maintain high pressure. The agitator is operated by the pump lever and keeps the solution well mixed.

The "Bordeaux" is a brass pump for garden or greenhouse work. It is fitted with Brass Ball Valves which are proof against the action of acids and oils. Pump is intended to rest in pail, with Malleable Iron Foothold outside.

All of the above pumps are also suitable for handling Whitewash and Cold Water Paint.

**"Fruitall"**
- Outfit "C." Pump fitted with agitator and one lead, 15 feet, 3/8-inch discharge hose with Mistry Jr. spray nozzle. Mounted on end of barrel.  
  Price $31.25

**"Fruitall"**
- Outfit "D." Pump fitted with agitator and two leads, 15 feet each, 3/8-inch discharge hose with Mistry Jr. spray nozzles. Mounted on end of barrel.  
  Price $38.00

**"Bordeaux"**
- With 3 feet of 3/8-inch discharge hose and Fig. 81 "Seneca" Nozzle.  
  Price $7.50

Prices subject to change without notice.
Inoculate Your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches and all other legume crops with

Mulford Cultures

Small Cost  Large Returns  Easy to Use  No Labor Expense

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are prepared for

<table>
<thead>
<tr>
<th>Legume</th>
<th>Mulford Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>crimson clover</td>
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<tr>
<td>Crimson Clover</td>
<td></td>
</tr>
<tr>
<td>Cow Peas</td>
<td>cow peas</td>
</tr>
<tr>
<td>Peas</td>
<td>Peas</td>
</tr>
<tr>
<td>Lima Beans</td>
<td>lima beans</td>
</tr>
<tr>
<td>Sespeida</td>
<td>sespeida</td>
</tr>
<tr>
<td>Begar Wade</td>
<td>begar wade</td>
</tr>
<tr>
<td>and others</td>
<td></td>
</tr>
</tbody>
</table>

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

PRICES: 5-Acre Size, $5.00  (A Dollar per Acre)

- 1-Acre Size: $1.50
- 1-4 Acre Size: $1.50
- Small Size (Supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas): $1.50

These prices include delivery on freight shipments.

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST

---

The Improved German Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES

"NITRAGIN" is the trade-mark name for the special germ, or bacteria, that acts on the legume root, draws nitrogen from the air and converts it into plant food. As a result there is a uniform "catch"; the crop grows quickly; it is strong, hardy and healthy—deep-rooted—rich in food-value. Meanwhile your soil is growing richer instead of poorer—your land more valuable.

Get the Original

Look for the Armour Oval Label

This is the original Pure Culture—discovered by Nobbe and Hiltner, famous German bacteriologists. It has been perfected by twenty years of scientific testing, in the laboratory and on the farm. The germs come to you packed in a granular food—in a ventilated can—the safe and satisfactory way.

The following prices on "NITRAGIN" will be effective Jan. 1, 1921:

<table>
<thead>
<tr>
<th>Size</th>
<th>Retail</th>
<th>Retail</th>
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</thead>
<tbody>
<tr>
<td>Garden size</td>
<td>$ 35</td>
<td>2 ac. size</td>
</tr>
<tr>
<td>1/2 ac. size</td>
<td>.75</td>
<td>5 ac. size</td>
</tr>
<tr>
<td>1 ac. size</td>
<td>1.50</td>
<td>10 ac. size</td>
</tr>
</tbody>
</table>

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
To enlarge the income from your dairy you must install modern equipment, such as the United States Cream Separator.

**UNITED STATES CREAM SEPARATORS**

America's Best Plus Denmark's Best

The attention of dairymen everywhere is called to the new "U. S." Disc Bowl—an important addition to the "U. S." Cream Separator line, of exceptional interest to thousands of dairymen who prefer a disc type skimming device. The new "U. S." Separator is continued the same famous "U. S." construction, time tested for a score and more years—never radically changed—best without question; to which superior construction a new Disc Bowl of surprising efficiency is added. It is not, therefore, the "U. S." Cream Separator as a whole that calls for an introduction; it is an important improvement.

No. 30, guaranteed capacity 200 lbs $70.00
No. 29, guaranteed capacity 300 lbs. $80.00
No. 28, guaranteed capacity 350 lbs. $95.00
No. 27, guaranteed capacity 500 lbs. $110.00
No. 25, guaranteed capacity 750 lbs. $125.00
No. 24, guaranteed capacity 1000 lbs. $140.00
No. 22, guaranteed capacity 1350 lbs. $210.00

A U. S. Cream Separator will make you the most money, because it skims the closest. It holds the World's Record for closest skimming in fifty consecutive runs with milk from ten different breeds of cows.

**POWER ATTACHMENTS**

Clutch Pulley, 12 in. diameter, 3 in. face, including shaft for crank.......................... $4.50
With additional Loose Pulley, extra.......................... 3.50
16 in. Groove Pulley........................................6.00
Self Governing Pulley.......................................15.00

For Engine or Line Shaft only (give size of shaft).
Speed Governing Pulley, adjustable while running.......................... 18.00
Pump back, with sub base.......................................9.50

**SPECIAL ELECTRIC MOTORS**

**CONNECTED TO U. S. SEPARATORS**

Alternating Current, 110-volt, 60-cycle.
For Separators Nos. 27 and 28........................................(Extra) $50.00
For Separators Nos. 22, 24 and 25................................(Extra) $55.00

Direct Current, 110 Volts
For Separators Nos. 27 and 28........................................(Extra) 45.00
For Separators Nos. 22, 24 and 25................................(Extra) 50.00

Direct Current, 32 Volts
For Separators Nos. 22, 24, 25, 27 and 28........................................(Extra) 55.00
$1/2 H. P. Motor, Back Geared, on Tripod.................................. 60.00
Motors other than above specifications.................................. (Extra) 60.00

**NOTE**—Alternating and direct current motors are NOT interchangeable. Ask your electrician for complete specifications before ordering.

WE OFFER SPECIAL DISCOUNTS ON CREAM SEPARATORS

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
MILKMEN AND DAIRY SUPPLIES.

Quart Milk Bottles, per doz.............................. $1.10
Quart Milk Bottles, per gross..............................11.00
Pint Milk Bottles, per doz................................ .90
Pint Milk Bottles, per gross..............................10.00
Half Pint Milk Bottles, per doz............................ .85
Half Pint Milk Bottles, per gross.......................... 9.50
Milk Cans, 50-quart.........................................9.50
Milk Cans, 40-quart.........................................8.50
Milk Cans, 30-quart.........................................8.00
Milk Cans, 20-quart.........................................7.00
Milk Caps, per 1000.......................................... .65
Wholesale Cans.............................................. $1.60

Strainer Pails.............................................. 1.50
Pint Dippers.................................................. .75
Quart Dippers............................................... .90
Strainers ....................................................2.50
Tin Milk Pails, per doz....................................... 7.00
Tin Milk Pails, all sizes....................................75c to 2.75
Sprinkling Pots, all sizes...................................60c to 2.50
"Our Own" Strainers......................................... 2.50
Excelsior Strainers......................................... 2.75
Aerators .....................................................11.00 to 15.00
Sap Buckets at............................................... .90
Sap Spouts at................................................ .08 and .10

LISK'S SANITARY PAIL

This Sanitary Pail combines nearly all of the good points that are contained in the many kinds put on the market in recent years, and is highly recommended by the Boards of Health and the State Milk Inspectors. A trial will convince. Price $2.75.

MILK FEVER OUTFIT.
For Sterilized Air Treatment.

This treatment has cured 97 per cent, of all cases treated
This treatment is recommended by the Bureau of Animal Industry, United States Government, Department of Agriculture.
The outfit consists of the instrument, a roll of tape, a package of carbolized cotton. Full directions, neatly packed. Price, $3.50 net.

MILKING TUBES.
PILLING'S PATENT

SOLID COIN SILVER

Full directions with each tube. 75c to $1.50 each
The Boston Milking Tube, 35c.

SCALES.

Dairy Scales $4.00 to $4.50. Platform Scales $25.00 to $35.00

RICE'S CALF, WEANER AND SUCKING COW MUZZLE.

For preventing Calves and Cows sucking themselves or each other.
No. 1—For Calves till 1 year old, 70c, by mail postpaid 75c.
No. 2—From 1 to 2 years old, $1.00, by mail postpaid, $1.05.
No. 3—For full grown animals and self suckers, $1.25, by mail postpaid, $1.30.

BARREL CHURNS.

No. 0—4 gallon, will churn 2 gallons........ $ 8.00
No. 1—10 gallon, will churn 5 gallons........ 9.00
No. 2—15 gallon, will churn 10 gallons........ 10.00
No. 3—20 gallon, will churn 15 gallons........ 15.00
No. 4—25 gallon, will churn 12 gallons........ 14.00
No. 5—30 gallon, will churn 14 gallons........ 15.00


PRES SUBJECT TO CHANGE WITHOUT NOTICE
CHAMPION MILK COOLER AERATOR
Automatic, Simple, Efficient, Durable.

Sensible Bottle Filler

We have built the Sensible so strong and heavy that it will last a lifetime.
You can find no more sensible way to fill your bottles. Price $8.00.

SAVES THE MILK
SAVES THE CALVES
SAVES YOU MONEY

Ryde's Cream Calf Meal

Will take the place of whole milk in either raising or vealing calves, at about one-third the cost of feeding milk. It is the only correct combination of materials to nourish calves properly with all the fibre and indigestible matter removed, thoroughly cooked and prepared for easy digestion and assimilation. Made with the care of baby food. Safe for baby calves.

Francis M. Jones of Clinton, N. Y., writes:
"I can recommend Cream Calf Meal as the best calf meal I have ever used."

THE MILK IT SAVES IS WORTH THREE TIMES ITS COST.

100-lb Bags 50-lb. Bags 25-lb. Bags

prices on application

FERTILIZERS

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>OATS, BARLEY, WHEAT, CORN</td>
<td>11-0</td>
</tr>
<tr>
<td>Corn and Grains</td>
<td>10-1</td>
</tr>
<tr>
<td>Corn and Grains</td>
<td>28-3</td>
</tr>
<tr>
<td>Onions, Celery Potatoes</td>
<td>39-5</td>
</tr>
<tr>
<td>Potatoes and Root Crops</td>
<td>45-4</td>
</tr>
<tr>
<td>Cabbage</td>
<td>13-0</td>
</tr>
<tr>
<td>Acid Phosphate</td>
<td>16</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
# Blatchford's Calf Meal

## The Complete Milk-Equal

is in reality a substitute for milk—and should not be considered as an ordinary “feed” or “meal.”

It contains all the elements of milk—a “baby food” for calves.

It is absolutely the only milk-substitute that contains in proper proportion the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for easy digestion.

- **100 pounds make 100 gallons of Complete Milk-Equal**

## From Sow to Pasture

Wean your little pigs easily, safely and cheaply on Blatchford’s Pig Meal

A “self-starter” that gets the little fellows started right.

Develops big bone and assures vitality.

Keeps them growing all the time.

Saves the sow. Replaces milk. The Safety Route from Pighood to Porkage.

<table>
<thead>
<tr>
<th>Size</th>
<th>In 100, 50 and 25-pound bags</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-lb.</td>
<td>70c.</td>
</tr>
<tr>
<td>10-lb.</td>
<td>1.25</td>
</tr>
<tr>
<td>25-lb.</td>
<td>2.50</td>
</tr>
<tr>
<td>50-lb.</td>
<td>4.90</td>
</tr>
<tr>
<td>100-lb.</td>
<td>9.80</td>
</tr>
<tr>
<td>200-lb.</td>
<td>19.60</td>
</tr>
<tr>
<td>400-lb.</td>
<td>39.20</td>
</tr>
</tbody>
</table>

## Blatchford’s Milk Mash

should be every chick’s first feed!

Prevents bowel trouble, leg weakness and white diarrhea. Carries them safely through the dangerous first three months.

Raises 90% of every hatch.

Five pounds per chick will do it.

Crows—Matures Fattens

Sold in 100 and 25-pound bags and in 4-pound trial cartons

## Blatchford’s “Fill-the-Basket” Egg Mash

Fed to your pullets when three months old will make early layers and keep them in perfect health. Does not force or fatten. Feeds it to all your hens.

Make your egg profits sure

Sold in 100 and 25-pound bags

## ASK FOR PRICES

**EVERY HOG A MONEY MAKER**

Keep your hogs free from worms. These deadly pests will rob you of your profits—starve your stock—make them thin, scrawny and finally kill. If you follow the advice of the best stockmen, you will have

**NO MORE LOSSES FROM WORMS**

E. C. Stone, Sec. of the American Hampshire Swine Record Assn. says: “I know of nothing so good, reliable and cheap to expel worms and put hogs in condition to digest food as Sal-Vet.”

![Sal-Vet](image)

**SAL-VET**

REG. U.S. PAT. OFF.

is a medicated salt—different from all other worm remedies. Safe, sure to kill worms, tones up your stock, helps turn food into fat and flesh quickly, puts animals in prime condition to get top-market prices. Commence getting rid of robber worms today. Use Sal-Vet—costs but 1-2 cent per day, per hog or sheep.

**FOR SALE BY**

F. H. Ebeling

<table>
<thead>
<tr>
<th>Size</th>
<th>5-lb. Pkg. 70c.</th>
<th>10-lb. Pkg. 70c.</th>
<th>20-lb. Pkg. 70c.</th>
<th>40-lb. Pkg. 70c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-lb. drum</td>
<td>$1.65</td>
<td>$1.65</td>
<td>$2.25</td>
<td>$2.25</td>
</tr>
<tr>
<td>20-lb. drum</td>
<td>$2.25</td>
<td>$2.25</td>
<td>$3.60</td>
<td>$3.60</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
REDUCE BARN WORK—
INCREASE MILK YIELD

These are the two big essentials to profitable dairying, and Louden Labor Saving Barn Equipment will help you do both.

Barns equipped with Louden Tubular Steel Stalls and Stanchions, and Pens are very easily kept clean. There are no cracks or crevices where dirt can collect, nor pipes or bars for it to gather under. There is real “Pasture Comfort” for the cows in Louden Stanchions. They can comfortably assume a natural position—just as if they were in the pasture.

Louden Detachable Water Bowls permit the animals to drink plenty of water at any time. This method of watering is especially desirable in the winter months.

Much time and labor can be saved in barn cleaning by using Louden Litter Carriers. They take the drudgery out of barn cleaning.

Every bit of Louden Barn Equipment is of the highest quality. Any size barn fully equipped. Special booklets can be furnished on any Louden Products.

“Everything for the Barn”
Every dairyman now realizes that regardless of how well the cow may be fed and cared for in every other way, the maximum yield of milk cannot be secured unless she has plenty of water. The old way of watering once a day out in the yard is the most expensive that could be devised. The cows become very thirsty, and drinking excessively of cold water, become chilled, and are forced to use up energy getting warm that should have been used in making milk. But the increase of milk yield is not the only advantage. There is also the saving of time and labor of the attendants, and, as compared with other methods of watering in the barn, a saving of water. More important is the prevention of the spreading of contagious diseases through the water, for with the James Watering Buckets each cow is furnished pure, fresh water, direct from the protected supply tank.

**THE JAMES CARRIERS**

James Carriers are "long life" carriers—built to stand the strain and wear of years—made to forestall breakages and repairs—made to save the maximum amount of work and time. We are proud of them, believing that each is the best that can be built to meet the specific purposes for which it is designed. And in this belief, we are backed up by hundreds of enthusiastic, commendatory letters.

**Stanchions, Stalls, Litter Carriers, Water Buckets**

This line is made by the firm of Glor Bros. & Willis, who have supplied this section with many outfits, and which have proven very practical and satisfactory to the users.

Prices will be given upon application.

**“THE NEW MODERN” LITTER AND FEED CARRIERS**

New Modern Sanitary Stalls and Stanchions are the most practical and up-to-date time, money and labor saving fixtures on the market. Should be in every stable. Soon pay for themselves. All our goods are made of the very best material by workmen who take pride in their work. With ordinary usage they will last a life time. Carriers equipped with Crank and endless chain life.

**“NEW MODERN” BARN EQUIPMENT**

Sanitary Steel Stalls; Wood and Steel Stanchions, Chain or Swivel Hung; Water Basins with Covers, Stable Ventilators, Partitions, Bull and Calf Pens, Adjustable Steel Gates, Manger also Testing Stalls.

Some Patrons Say:

- "Shall install in other buildings.
- "Most labor-saving machine on the farm.
- "See none other I like so well.
- "Don’t see how we got along without it."

**FREE PLANS, ESTIMATE AND CATALOG**

Send us a rough sketch of the layout of your barn and we will send you free plan and estimate of our Stable Equipment.

**STANCHION**

Saving of time and comfort mean bigger profits. Know that your cows are held securely without annoyance to you or to them—

NEW MODERN Stanchions—wood or steel—chain or pivot hung. Extension bars prevent side entrance. Latch hold Stanchion in position when open. Perfect freedom of head. Let us send you free catalog on our Stanchions, Litter and Feed Carriers, Water Basins and other “New Modern” stable equipment.

**“New Modern” Watering Basin**

All dairymen say that cows supplied with fresh, water give 5 to 10 percent more milk. Therefore our watering device (Basins, Pipe Line and Float Tank) is a Profitable Investment. Made of cast iron with round corners and smoothed bottom. Galvanized Iron Cover. Thoroughly coated. Our “New Modern” Swing Stanchion, with our watering device is the most up-to-date outfit on the market. Write for Free Catalog.
WHEELBARROW SEEDERS

WITH WOOD OR IRON FRAME.
They can be worked by anyone who can run a wheelbarrow,
Price, 14-foot, $14.00; 16-foot, $15.00.

THE CYCLONE SEED SOWER
This is the cheapest CrankSeeder on the market, and
equal to the best for quality of work it does and durability.
Don't pay $5.00 for a seeder when you can get its equal
for less money.
Will sow Wheat, Oats, Rice, Flax, Millet, Turnip Seed.
Cover Seed, Grass Seed, including Light grasses; in fact
any kind of Seed broadcast. Also Plaster, Fertilizer, Salt,
Aches, etc.

They save one-third seed and two-thirds labor.
CRANK SEEDERS - - - $3.00

THE "REX" RIVETER

The cheapest, most durable and the most
Practical Riveting Machine on the market.
Price 1.50

Eureka Kitchen Garden Seed Drill
It will sow and cover Beets, Cabbage, Carrots
Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity. Force Feed. It is only intended for small Gardens and Hot Houses.
Sows up close to the sides in straight rows.
Sows the small packet of seed as well as a larger bulk. This Drill is not a toy, but a strong, practical machine that will last many years.

SICKLE GRINDER, $8.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Syracuse Chilled Plows

Steel Beam

Made in Three Sizes—Nos. 401, 402 and 403

Syracuse chilled plows are regarded as the highest-grade chilled plows made. They are steady running, easily handled and have superior turning qualities. With the detachable shin piece—a sharp cutting edge easily can be maintained at small cost.

These are the plows with the perfect fitting shares—and extra Syracuse shares always fit.

No. 401 cuts furrow 12 to 15 inches wide, 5 to 8 inches deep. Price.......................... $26.00
No. 402 cuts furrow 11 to 13 inches wide, 5 to 7 inches deep. Price.......................... 25.00
No. 403 cuts furrow 9 to 12 inches wide, 4 to 6 inches deep. Price.......................... 24.00

John Deere Two-Way Sulky Plow

Just the plow you need for work on hillsides as well as on level fields and in stony land. Wide tread prevents tipping. Each bottom is independent of the other, with separate depth adjusting lever and lifting device. Horse lift. Patented automatic foot frame shift makes it easy to regulate width of furrow and plow around curves. Clevis is always ahead of the working bottom. Adjustable jointers, with no hole through the beam to weaken it. Your choice of four types of bottoms. Price, $66.00.

John Deere No. 5 Tractor Plow

For use with any standard tractor—the hitch is easily adjustable. Furnished with either two or three bottoms. High and level power lift—a simple raising and lowering device operated by a rope from the tractor. Self-locking rear wheels makes it possible to back the plow. All steel and malleable construction; beams are guaranteed not to bend or break; plenty of clearance under the beams. Equipped with John Deere bottoms especially adapted to our local conditions, also the famous John Deere quick-detachable shares.
Dutton Steel and Chilled Plows

DUTTON IRON BEAM NO. 2, $22.00
"STEEL" 24.00

THE BEST LOW PRICED PLow ON THE MARKET.

MUNNSVILLE PLOWS
No. 10, All Steel Plow—"The Big Seller"

This Plow is long on the run with a high moldboard, of a shape that insures easy draft, good cleaning qualities and pleasing appearance. Price $25.00.
Munnsville No. 46—Chilled Plow, $24.00.
Munnsville No. 7—One-horse Plow, $18.00.

Bargains in Tools and Implements

We offer at an especially low price the following list of tools and implements—every one of which is a genuine bargain and can be seen at our warehouse. Some of these have been somewhat used.

1. Ridging Roller
2. Darnell Furrower & Marker
3. Dray Cart, Ball-bearing
4. Dray Cart, not ball-bearing
5. Covered Cutter
6. Top Buggy
7. Family Carriage
8. Keystone Weeder
9. Standard S. T Harrow, 15-Tooth
10. 60-Tooth Peg Harrow
11. 2-horse Gas Engine
12. Waterloo Big Boy Engine (used only once—a bargain)
13. Renfrew Portable Weighing Scale on wheels, $75.00.
14. John Deere Farm Wagon
15. Barrel Spray Pumps
16. Hurst 4-Row sprayers
17. Hoosier 2-horse Corn Planter (used once)
18. Perry Spring Tooth Harrow (Wood frame)
19. Clarks Cutaway Harrow A-4
20. Clarks Cutaway Harrow A-5
21. Clarks Cutaway Harrow A-6
22. Steel Land Rollers
23. Bullard Hay Tedders

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
The farmer who realizes the importance of stirring and pulverizing the soil so that the sun and air and moisture can reach every particle is the man to whom the CLARK’S CUTAWAY Double Action— the original double action— means something more than just a disk harrow. No other disk harrow of any make or style even approaches the CLARK’S CUTAWAY Double Action for pulverizing the soil, for saving time, for saving horses, for giving long service. Its superiority for pulverizing the soil and giving long service has seldom been questioned.

The rigid main frame is the all-important feature in any double acting harrow. This frame holds the rear gangs so that the rear disks cannot slew to the furrows cut by the fore disks, but instead cut midway between where the fore disks have cut, thereby making the machine pulverize every inch of the soil to the full depth to which the disks run.

The distance from the hitch to the extreme rear end of the harrow is but a little more than one-half of that on the tandem or trailing harrows, which fact makes the draft from 25 to 50 per cent. less than in other harrows of corresponding size. By the elimination of the tongue truck we save the buyer from $5.00 to $6.00.

---

A-4 Double Action Cutaway, 2-horse hitch .................................. $68.00
A-5 Double Action Cutaway, 4-horse hitch ................................. 80.00
A-6 Double Action Cutaway, 4-horse hitch ................................. 98.00
Bush and Bog Flow ............................................................ 105.00
Clark’s Grove Harrow, 10—14 disk ................................... 30.00

---

JOHN DEERE No. 999 CORN PLANTER

The Accurate “Natural Drop” Planter

Field tests under varying conditions have proved conclusively that the John Deere No. 999 Planter is accurate. It is equipped with John Deere Natural Cell Fill, edge-delivery seed plates, so shaped that one kernel enters each cell without fail and the desired number is dropped in the hill. Change in drop to 2, 3 or 4 kernels per hill can be made instantly without stopping the team, and drill distances can be varied just as easily. Quick change hilling to drilling and back to hilling. Ask us to show you the entirely enclosed gear arrangement, and the convenient underhung reel. Fertilizer or seed attachment, or both, can be furnished for less. Price $102.00 complete. Less Fertilizer attachment, $80.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
THE KEYSTONE
ADJUSTABLE
FLAT-TOOTH WEEDEER

(The Keystone Adjustable Flat-Tooth Weeder narrowed to 30 inches.)

This is the most useful and practical Weeder of the many Weeders on the market. Every gardener and farmer should have one.

Weight, 97 Pounds
Price $20.00
Can be expanded to 7½ feet if desired.

ACME PULVERIZING
HARROW AND CULTIVATOR

STANDARD 2-ROW
RIDING HARROW

Lightest Riding Harrow sold anywhere. Low in price, light in draft, most easily handled.

Cuts, crushes, turns, smooths and levels, all in one operation.

6 ft. 6 in. Two Horse Size.
PRICE $30.00

LAND ROLLERS

Steel Roller, 24 inch, two sections with closed ends .......................$55.00
Lawn and Garden Roller ......... $12.00 to $16.00

These Rollers are made of the best material and made near home. All parts can be easily supplied

THE IMPROVED THREE-ROW CORN MARKER

This cut shows our Steel Wing Marker. It is adjustable to mark any width row and any depth desired.

Two-Row Marker for one horse, $15.00.
Three-Row Marker for two horses, $17.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Mastica For Glazing Greenhouses, Sashes, Etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

Every greenhouse man has experienced difficulty in using putty for glazing, that is satisfactory for any length of time. Putty is not adapted for greenhouse work. "Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance, and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of re-laying the glass.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" you can bed in or use outside with machine. Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 250 running feet (one side.)

Price of Mastica 
1/4 gal. $1.50  
1 gal. $3.00

Root Salt Cakes and Frames

For Horses, Cattle and Sheep. Pure Refined Salt. Acts as a tonic; invigorates the system; promotes digestion; purifies the blood. Makes healthy and vigorous animals.

.30c. Cake
Five Cakes for One Dollar
per dozen Two Dollars

35 Cents

Climax Handy Weeder

The greatest "little" device ever invented.

Nothing like it.

Thousands in use.

PRICE, 75 CENTS

Our F. G. F.
PRUNING SAW.

This is a very practical Pruning Saw. It is a self-feeding draw cut blade with a thin back that will not pinch or bind; may be attached to a pole, permitting very rapid work on the tops of trees so difficult to reach.

Price $2.50.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
John Deere Wагons

When you want longer or shorter stakes on a John Deere Wagon, all you have to do is to remove a bolt, adjust the stake to 8, 10, 12, or 14 inches in height, and replace the bolt. The stake is then just as solid as if it were built in place at that height. This is one convenience that every John Deere user enjoys. Every wagon is built upon honor and fully guaranteed.

Tiger Transplanter

Sets all kinds of plants like cabbage, tobacco, etc. The success of plant setting is assured by its use. The most successful planter on the market. Made near by, and all parts supplied on a few hours' notice. Price $85.00.

FARMERS' COMBINATION CLAMP AND DRILL.

$4.00 with Diamond Point Drills.
$4.50 with Syracuse Twist Drills.

Extra Drills 10c each
Extra Drills 25c each

The lowest priced first class article of its kind on the market can be used as a wood clamp, also a bench vice, or hand drill.

UNADILLA SILO

Unadilla Silos not only excel in ability to convert raw forage into palatable, succulent silage—the supremest test of a perfect Silo—but a decade of satisfactory service on thousands of farms has unmistakably proved them correct in design, durable in construction and convenient to fill or feed from.

Roof is made of durable cypress, capped with galvanized iron ventilator, and fitted with double doors for filling Silo.

Top steel cable anchors, connecting with the middle hoop of Silo through an equalizing saddle attached to the ground rod, prevents vibration during high wind storms.

Fasteners being entirely on the doors permits of the latter being left in the opening at any height, merely pushed up out of way and conveniently at hand for use.

The unobstructed continuous door opening, 22 inches wide, enables the feeder to shove ensilage out of Silo, instead of forking it up two or more feet to clear high doors or cross-braces.

Instead of having to refit the doors to frame, should they ever shrink or bind, a few turns of the nuts on ends of tie-rods readjusts frame to fit the doors.

Every hoop on Silo can be taken up 12 inches at the front, the nuts being close by to a man standing on ladder formed by the door fasteners.

The door fasteners make a substantial ladder directly under opening. Rounds are 15 ½ inches apart, stand out 6 inches from the doors and are 14 inches wide, providing a safe hand and foot hold.

Base anchors of steel cable hold Silo immovable on its foundation.

WRITE FOR FREE UNADILLA SILO BOOK

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
THE E & B WINDROW HAY LOADER

The Osborne is a remarkably simple loader. In fact, it would be difficult to imagine a more simple loader. The entire mechanism of this loader consists of a gathering drum, which picks up the hay, and an elevator carrier, the elevator carrier is operated by the gathering drum.

The gathering drum is fastened to the main axle and is driven by both wheels. As a result of this construction, the gathering drum is raised and lowered with the wheels in passing over dead furrows and uneven ground. This insures all the hay being gathered irrespective of the condition of the ground. A wind break is provided, which prevents the hay from being blown from the carrier; the wind break is very effective and automatically adjusts itself to different conditions of hay. A tightening device allows the tension of the carrier to be properly adjusted. The Osborne loader is equipped with a fore carriage which carries a part of the weight of the loader.

This relieves the loader of the twists and strains which would result were no fore carriage used. It also makes it unnecessary for the loader to be lifted when being connected to the wagon, as the hitch may be moved to any position. It permits the driver to disconnect the loader from the wagon without requiring him to get down off the load. When the load is complete he simply pulls the rope which extends up to the top of the load from the hook on the fore carriage. When disconnected from the wagon the loader is held in an upright position by the fore carriage. Loader can be used with any height of farm wagon without any readjusting, or changes.

REVERSIBLE HAY CARRIERS.

For either Steel or Wood Track.

Light and Durable, Runs either way on the track without changing.

**Price, $6.00.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ney Hay Car, Steel or wood</td>
<td>$12.00</td>
</tr>
<tr>
<td>Climax Car, open throat</td>
<td>$13.00</td>
</tr>
<tr>
<td>Double Harpoon Forks</td>
<td>$3.50</td>
</tr>
<tr>
<td>Double Harpoon Alfalfa Forks</td>
<td>$6.00</td>
</tr>
<tr>
<td>Steel Track, per foot</td>
<td>$0.33</td>
</tr>
<tr>
<td>Pulleys in Wood and Iron,</td>
<td></td>
</tr>
<tr>
<td>each</td>
<td>$0.50</td>
</tr>
<tr>
<td>Hanger Hooks, dozen</td>
<td>$2.20</td>
</tr>
<tr>
<td>Tracks, dozen</td>
<td>$2.00</td>
</tr>
<tr>
<td>Floor Hooks, each</td>
<td>$0.20</td>
</tr>
<tr>
<td>Tedder Teeth, each</td>
<td>$0.40</td>
</tr>
<tr>
<td>Horse Bake Teeth</td>
<td>$0.40</td>
</tr>
<tr>
<td>Rope, best Manilla, at lowest prices</td>
<td></td>
</tr>
<tr>
<td>All Steel Hay Tedder</td>
<td>$88.00</td>
</tr>
<tr>
<td>Osborne Bake</td>
<td>$50.00</td>
</tr>
<tr>
<td>New Yorker Horse Bake</td>
<td>$44.00</td>
</tr>
</tbody>
</table>

We carry Haying Tools of all kinds. Also Teeth for all Rakes and Tedders.

THE NEY CLIMAX OPEN THROAT CARRIER.

With this carrier, it is possible to fill the mow closer to the comb of the roof than with any other carrier on the market. The throat has an exceptionally large opening, and the simple locking mechanism is so arranged that the lifting head or pulley locks directly on the sides or frame of the carrier, not depending on separate dogs or locks to hold the load. It is constructed and operated without the use of springs, and engages projections upon lifting pulley in a line with axis of pulley. This permits the pulley to swing very near the track and enables the carrier to work under conditions where any other carrier would necessarily fail.

**Price $11.00**

CARBORUNDUM SCYTHE STONES

Do away with the grinding of a scythe altogether. They produce a clean, sharp edge and do it faster and easier than it could be done on the best grindstone ever made.

Carborundum Scythe Stones must not be classed with the ordinary scythe stones that you have been accustomed to. The old style stones are merely sandstone and are of very little use. They simply rub the edge into shape—Carborundum CUTS it—cuts it fast and clean and puts an edge on your scythe that will be a revelation to you. **Price, 35c.**

This has taken the place of all Grinding Stones where quick results are desired. Prices based upon size, $5.00 to $3.00.
DAIN VERTICAL LIFT MOWER

The only successful vertical lift Mower on the market. The main frame is one solid, unyielding piece of iron. This insures perfect meshing of the gears and holds all parts securely in place. The gears are compensated, that is, the side thrust of the bevel wheel is resisted by the pressure on the spur pinion. One counteracts the other, equalizing the wear and strain upon the bearings. The arrangement of these gears is unique and there is less wear on this part of the Dain Mower than on the same parts on any other machine built. The draft rod makes possible the transferring of the power further toward the cutter bar when mowing heavy grass. This is a valuable feature.

When the cutter bar sags back, which will happen on any machine, it is very easily brought forward by simply taking out a cotter key and tightening the large burl on the end of the drag bar the cutter bar can be drawn forward, fully compensating the wear.

Made in 4½, 5 and 6 foot sizes.

JOHN DEERE-DAIN SYSTEM RAKE

THE RAKE WITH THE INCLINED FRAME, VERTICAL LIFT AND CONVENIENT LEVERS

The rake that enables you to make higher-price hay by curing it “Nature’s Way”—air-curing it. With this rake you can follow the mower closely, rake while leaves are still active; place the hay on clean stubble in medium size, loose windrows, the leaves inside and majority of the stems outside to prevent sun scorching and preserve the leaves. In case of bad weather, windrows can be turned over to prevent damage to the hay. Inclined frame gives additional capacity just where needed; vertical lift—both ends of rake can be adjusted to gather all the way on uneven ground; convenient levers—add adjustments can be made from the seat.

NEW DEERE DOUBLE CYLINDER HAY LOADER

The New Deere Double Cylinder Hay Loader successfully handles anything from the lightest swath to the heaviest window. The rear or gathering cylinder is far enough back of the frame to get all the hay, but still leave the trash. This cylinder moves slowly, thereby handling the hay without damaging the foliage. This feature also makes it valuable in handling beans. Because all parts move slowly the loader is light draft and durable. The wheelbarrow type of mount whereby the load is carried directly over the wheels is an exclusive feature and prevents sagging of the axle. The carrier is prevented from running off the rollers by means of a flange and an adjustable bracket prevents sagging. Long life and ease of operation is assured in using this loader. Furnished in 6 and 8 foot widths. All repair parts supplied promptly.

Also a Full Line of all John Deere Farm Implements

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
THE E-B No. 1 MANURE SPREADER

The E-B No. 1 Low Down Spreader is one of the simplest, handiest, and easily operated machines on the market. It is only six feet wide and will go through any 6-foot barn door, yet it gives a uniform spread over 7 feet. The wheels track and always run on dry ground where they can get the most traction with the lightest draft. It is low-down, making it very easy to load from the stable, gutter or barnyard. The solid bottom saves the liquid portion of the manure which is the richest in plant food. The many sharp steel beater teeth thoroughly pulverize the manure before it reaches the widespread which further pulverizes it. The simplest and strongest device for driving the beater and widespread—the chain—is used on the E-B Spreader. The conveyor is driven by a ratchet which may be adjusted to run faster or slower as desired. A practical tractor hitch is made for the E-B Spreader.

KENTUCKY GRAIN DRILLS

Kentucky Drills deposit the seed uniformly and cover evenly so that the field does not have thick and thin patches to cause unequal growth. This insures uniform results and a larger yield.

On the Kentucky Fertilizer Drill the quantity of fertilized can be varied from 40 to 1,135 pounds to the acre. You can make this variation in feed without stopping team. That is a drill feature worth having, but read on. Instead of depending upon the hopper for support. The Kentucky feed yoke is in one piece, therefore it is impossible for the pinions to get out of line. You know what that means.

The double run grain feed cups sow all kinds of grain, as well as corn, large peas, Lima beans, red kidney beans, etc.; cup consists of but four parts, held by one bolt, which may be tightened to take up wear.

9 Tube, 11 Tube.

SPECIAL PRICES ON APPLICATION.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
SALT LIME AND FERTILIZER BROADCASTERS

CROWN Broadcasters are constructed principally to sow Lime; they also handle perfectly all kinds of fertilizers and other soil beneficials. All soil can be made more productive either by the application of some form of Lime to neutralize the free acid therein, or by the application of some other alkaline or in some cases an acid element to complete the neutral condition. Most plants are adapted by long practice to grow in soil that is approximately neutral.

CROWN Broadcasters are strong machines. Box rooms ten bushels. Force feed is attached directly on the main drive axle. No gears to freeze, strip or break. Ratchet wheels. Quantity can be changed instantly by one lever in center of hopper. Price $45.00 to $55.00.

<table>
<thead>
<tr>
<th>Size boiler.</th>
<th>Size Fire Box.</th>
<th>Price.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2.</td>
<td>30 gal. 22x24x13½.</td>
<td>2.4 Inches $18.00</td>
</tr>
<tr>
<td>No. 3-40</td>
<td>22x30x14</td>
<td>20.00</td>
</tr>
<tr>
<td>No. 4-50</td>
<td>22x26x15</td>
<td>22.00</td>
</tr>
<tr>
<td>No. 5-75</td>
<td>22x48x17</td>
<td>26.00</td>
</tr>
</tbody>
</table>

The Farmers’ Favorite is used for a great variety of purposes, such as cooking grain and vegetables for stock and poultry. Heating water for scalding hogs and poultry. Biling syruping mixture. Heating water on wash day. Heating water for washing dairy utensils. Rendering lard and tallow sorghum.

The above prices are for the Cooker complete, consisting of stove or fire box, galvanized steel boiler with four handles and cover, one length of 6-in. stove pipe and damper and one 6-in. elbow.

The Chatham Fanning Mill

The secret of big crops is planting Pure, Healthy, Fat Seed!

The way to get such seed is to own this magic machine—the Chatham Mill. It’s the greatest money-making farm machine on earth.

GRAIN GRADER, CLEANER AND SEPARATOR

Handles Wheat, Oats, Corn, Flax, Buckwheat, Timothy Seed, Clover Seed—in fact, any grain or grass seed. Cleans, grades, and separates all at one operation. Makes you independent—puts an end to planting foul, dirty seeds that grow poor crops and weeds. The “Chatham” handles 60 bushels per HOUR. Runs by hand or gas power.

Over 350,000 “Chathams are now used on farms. Price $65.00. With Bagging Attachments, $75.00.

All prices subject to change without notice
ROSS
LOW SPEED LIGHT RUNNING
LARGE CAPACITY DURABLE
SILO FILLERS

KNIFE ON FLY WHEEL TYPE

<table>
<thead>
<tr>
<th>Size</th>
<th>Power Required</th>
<th>Mounted Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 30—4 to 6 H.P. Gasoline</td>
<td>$205.00</td>
<td>$135.00</td>
</tr>
<tr>
<td>No. 40—8 to 10 H.P. Gasoline</td>
<td>295.00</td>
<td>260.00</td>
</tr>
<tr>
<td>No. 50—10 to 12 H.P. Gasoline</td>
<td>315.00</td>
<td>260.00</td>
</tr>
<tr>
<td>No. 60—15 to 18 H.P. Gasoline</td>
<td>350.00</td>
<td>310.00</td>
</tr>
</tbody>
</table>

Above Prices Are for Complete Ensilage Cutters.

The ROSS is the only Silo Filler on the market equipped with a combination of features consisting of:

- "Ball Bearing" End Thrust and Auxiliary Knife Adjustment.
- "Three" Adjustable and Self-conforming Main Shaft Bearings.
- "6 Fan" Low Speed Distribution Lift Blower.
- "Four Sided" Reversible Steel Cutting Bar.
- "Start, Stop and Reverse" Lever for Feed Rolls and Traveling Table.

WE OFFER THESE ROSS ENSILAGE CUTTERS AT A SPECIAL MONEY-SAVING PRICE

DICK'S NEW IMPROVED "BLIZZARD" CUTTER
With Superior Self-Feed Table. Also with Plain Feed Table

<table>
<thead>
<tr>
<th>N.</th>
<th>Length of Knives</th>
<th>Capacity per Hour</th>
<th>Steam Power Required</th>
<th>Speed Revolutions</th>
<th>With 4 Knives self-feed on skids</th>
</tr>
</thead>
<tbody>
<tr>
<td>L 18</td>
<td>11½ in.</td>
<td>4 to 6 tons</td>
<td>3½ to 5 H.P.</td>
<td>900 to 1100</td>
<td>$174.00</td>
</tr>
<tr>
<td>M 21</td>
<td>14 in.</td>
<td>5 to 8 tons</td>
<td>4 to 7 H.P.</td>
<td>800 to 1050</td>
<td>210.00</td>
</tr>
<tr>
<td>M 13</td>
<td>16 in.</td>
<td>7 to 12 tons</td>
<td>7 to 10 H.P.</td>
<td>650 to 1000</td>
<td>277.00</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
O. K. CHAMPION
TWO-HORSE ELEVATOR
POTATO DIGGER

The No. 1 Digger has a front throat which
is a new departure in digger construction and
exclusively used on our machine. It consists of
patented, specially constructed side plates which
connect with beams that taper downward toward
the front, curving outward along the upper edges and along the top flares. This makes the
throat opening wider than the body of the machine, allowing the dirt to spread and lose itself
more freely when first entering. It also forces the vines and weeds to slide up more easily and
overcome the serious trouble of clogging. The inward extending base to which the shovel is
bolted makes the opening absolutely rigid and strong. We have sold nearly 600 of these
wonderful No. 1 Diggers in this vicinity. Price $100.00.

O. K. CHAMPION POTATO DIGGER NO. 3 WITH EXTENSION ELEVATOR

This Digger is constructed with the view of producing the best results with the least
mechanism so as to avoid complication and cause as little friction as possible. It is ample
strong for any soil or condition of field; its capacity sufficient, having over fifteen square feet
of separating space. Its simplicity is one of the main features because it lessens the possi-
bilità of wear and breakage. Price, $125.00.

Mr. F. H. Ebeling, Syracuse, N. Y.
Dear Sir,—In regard to the Champion Potato Digger, would say, I bought one of your
No. 1 Champion about eight years ago and I have used it ever since with the best of success.
Have dug from 25 to 40 acres of Potatoes every year. Also, have been able to dig
potatoes in the afternoon when it rained in the forenoon, and when the water was standing
in the rows. This is something that no other digger in my neighborhood is capable of
doing. While my neighbors' diggers were all at standstill—my digger was doing fine work
after the heavy rains.
The expense for repairs in those eight years has amounted to less than $5.00.
Very truly,
RICHARD J. LONG.

Retail Prices for 1921—F. O. B. Factory

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digger No. 1, 20 inch, with Shaking Fork</td>
<td>$115.00</td>
</tr>
<tr>
<td>Digger No. 2, 22 inch, with Extension Elevator</td>
<td>145.00</td>
</tr>
<tr>
<td>Digger No. 3, 22 inch, with Extension Elevator</td>
<td>170.00</td>
</tr>
<tr>
<td>Digger No. 4, 22 inch, Engine Drive, Without Engine</td>
<td>165.00</td>
</tr>
<tr>
<td>Seed Potato Cutter</td>
<td>7.50</td>
</tr>
<tr>
<td>Automatic Planter No. 22, Plain</td>
<td>75.00</td>
</tr>
<tr>
<td>Automatic Planter No. 22, Fert.</td>
<td>88.00</td>
</tr>
<tr>
<td>Dial Planter No. 20, Plain</td>
<td>115.00</td>
</tr>
<tr>
<td>Dial Planter No. 25, Fert.</td>
<td>128.00</td>
</tr>
<tr>
<td>Four-Row Sprayer, Traction Drive</td>
<td>130.00</td>
</tr>
<tr>
<td>Power Sprayer, complete with Engine and one set spray pipes</td>
<td>250.00</td>
</tr>
</tbody>
</table>

"HERCULES"

POTATO DIGGER
Best and Cheapest

This is the age of progress. Not
so many years ago, the farmer used
a Shovel Plow to raise potatoes.
Today, the enterprising and thrifty
farmer uses the "Hercules" Digger,
which reaches under the row of
tubers and deposits them on top
of the ground in full view, ready
to be picked up into bags or
baskets.
All parts metal excepting the
handles. Weighs 94 lbs. Covered by
a liberal guarantee. Price $25.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
BEEMAN
Garden Tractor
Takes the Place of a Horse or Mule for Plowing, Harrowing or Cultivating

It Cultivates Any Crop Grown in Rows

It goes astride onions, carrots, beets and other crops grown in 12, 14 and 16-inch rows. We make attachments for cultivating either one or three rows at a time. It cultivates between wide rows of corn, potatoes, tobacco, cotton, etc.

AS a Power Plant for Belt Work
It does away with the necessity for any other four-horse power engine on the farm, because it trots around from one job to another on its own power. Operates pump, washing machine, cream separator, and other similar light farm machinery.

Price $340.00 F. O. B. Minneapolis—purchaser to pay the freight. Terms—$50.00 cash with order when signed, and balance to be paid, with freight added, upon arrival of the Tractor. Same to be taken from the freight house by the purchaser.

Ask for particulars with illustration.

Trescott Apple and Potato Grader and Sorter

The greatest labor-saving machine on the market. Will do the work much better than five men. Absolutely accurate. Sorts and grades apples, potatoes, etc., suited to the market needs, which always brings a better price than the unsorted crops. Can furnish promptly at the following prices: Model No. 1 Grader, $40.00; extra belts, each, net, $13.00. Model No. 2 Grader, $55.00; extra belts, each, net, $16.00. Model No. 3 Grader, $65.00; extra belts, each, net, $20.00. Model No. 4 Grader, $70.00; extra belts, each, net, $25.00. Model No. 6 FLORIDA SPECIAL (3 Grades), $95.00. A special discount for cash will be allowed.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Dana's Bull Nose Punch.

Dana's Cattle and Sheep Punch.

A COMBINATION TOOL
7--SEVEN TOOLS IN ONE--7
Price $2.00

NEEDED BY 6,000,000 FARMERS.
It takes the Place of Button Pliers.

CASTINGS REPAIRED
Cast Iron, steel and other Metals repaired and mended on short notice by the new welding process. Bring in your parts for repairing. This work can be done on short notice.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
THE E-B OSBORNE MOWER

The E-B Osborn Mower has many special features which make it one of the most satisfactory and durable mowers on the market. E-B Osborne machinery is built for long, satisfactory service, and nothing which would lengthen the life of the mower has been omitted in its construction. The E-B Osborne Mower will last a lifetime if given a reasonable amount of care. The outstanding features of this mower are device for re-aligning the cutter bar, internal gear drive, replaceable bearings on countershaft, and great range of tilt of the cutter bar. These features make the E-B Osborne Mower the simplest to operate, the longest lived, and the most satisfactory mower on the market. It is made in both regular and vertical lift.

THE E-B GEARLESS HAY LOADER

The E-B Gearless Hay Loader is in reality a one-man loader. It will take up heavy windrows and load a high load. For loading alfalfa and clover the E-B Gearless Loader gives splendid satisfaction loading the hay without jarring off the leaves, the most valuable part. The E-B Gearless Loader is simple and strong, and saves time, labor and money. The hay may be allowed to pile up at the rear of the load to be spread later with little effort. The E-B Gearless is mechanically correct. All the power for the elevator is derived from the main wheels. There are no gears or sprocket wheels and chains to wear. The teeth make a long sweep over the surface, picking up the hay as gently as possible. The loader is quickly and easily attached and detached behind the wagon.

THE E-B OSBORNE GRAIN Binder

The E-B Osborne Binder is the same dependable, long-life binder that has been famous for half a century under the International Harvester Co. The E-B Osborne Binder has stood the test of time. It will get all the grain, down, short, tangled or lodged. The reel may be set anywhere from 4 inches to 34 inches above the platform. The reel cannot sag even on the 8-foot binder, for there are adjustments to prevent it. There is a 17-inch range of adjustment of the binder head which means perfect bundles in the shortest and tallest grain. The E-B Osborne Binder may be adjusted so as to cut as low as 1½ inches from the ground without dragging the platform.

The E-B Osborne Binder is very light in weight and draft, and simple to operate. It is made in four sizes: 5, 6, 7 and 8 feet.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
"AMERICAN" STOCK AND CATTLE FENCING

This is a fence that fences and stays teneed. It stands for freedom from worry. With this fence you can rest easy and need fear no danger of your stock breaking out.

In this fencing we have every form of fences for sheep, hogs and cattle. It's made in two weights, medium and heavy.

Here's an especially interesting feature about this fencing—it's not only one of the best made but the cost is very small. The price was never so high as now. We have plenty in stock of the leading sizes. Ask or write for booklet.

The Lott Fence stretcher is the only tool necessary for putting up the American Field and Hog Fencing. Every farmer should own this Stretcher. It costs only $8.00.

A Wonderful Fence

There's no new fencing made for hogs, cattle, poultry or rabbits. It makes an ideal garden fencing. It's strong, thoroughly practical and more durable than netting. The specifications are strong enough to turn stock.

This fencing comes in 6 to 21 bars, in 6 and 12-inch stays, 24 to 58 inches high.

FENCING, POSTS and GATES

RETAIL PRICE LIST

<table>
<thead>
<tr>
<th>FENCING</th>
<th>Per Rd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>635 Style A—12-inch</td>
<td>$ .45</td>
</tr>
<tr>
<td>728 Style A—6-inch</td>
<td>$ .60</td>
</tr>
<tr>
<td>822 Style A—6-inch</td>
<td>$ .67</td>
</tr>
<tr>
<td>835 Style A—12-inch</td>
<td>$ .50</td>
</tr>
<tr>
<td>949 Style A—12-inch</td>
<td>$ .65</td>
</tr>
<tr>
<td>845 Style D—12-inch</td>
<td>$ .75</td>
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<td>949 Style D—12-inch</td>
<td>$ .90</td>
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<td>1047 Style A—12-inch</td>
<td>$ .65</td>
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<tr>
<td>1355 Style D—12-inch</td>
<td>$1.00</td>
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<tr>
<td>1558 Style E—6-inch</td>
<td>$ .90</td>
</tr>
<tr>
<td>1948 Style E—6-inch</td>
<td>$ .85</td>
</tr>
<tr>
<td>2158 Style F—6-inch</td>
<td>$ .90</td>
</tr>
<tr>
<td>1855 Style F—6-inch</td>
<td>$ .85</td>
</tr>
<tr>
<td>LINE POSTS, 6 feet</td>
<td>$ .65</td>
</tr>
<tr>
<td>LINE POSTS, 7 feet</td>
<td>$ .75</td>
</tr>
<tr>
<td>LINE POSTS, 8 feet</td>
<td>$ .85</td>
</tr>
<tr>
<td>LINE POSTS, 9 feet</td>
<td>$1.00</td>
</tr>
<tr>
<td>CORNER POSTS, 8 feet</td>
<td>$ .25</td>
</tr>
<tr>
<td>CORNER POSTS, 9 feet</td>
<td>$ .75</td>
</tr>
<tr>
<td>END POSTS, 8 feet</td>
<td>$ .75</td>
</tr>
<tr>
<td>END POSTS, 9 feet</td>
<td>$ .25</td>
</tr>
<tr>
<td>12-ft. American Gates, 50-in., Plain top</td>
<td>$ 10.50</td>
</tr>
<tr>
<td>4-ft. American Gates, 50-in., 11.50</td>
<td></td>
</tr>
<tr>
<td>3-ft. American Walk Gates, 42-in., Plain top</td>
<td>$ 3.50</td>
</tr>
<tr>
<td>14-ft. American Gates, 12-in. Plain top</td>
<td>$ 4.00</td>
</tr>
</tbody>
</table>

CAN'T-SAG FARM GATE

This splendid farm gate does away with all the old gate troubles that have harassed farmers for many years. They will stay just as they are put up. Will not sag, always ready for business, made of best material, and is the only real dependable wood gate on the market. A trial of this gate will introduce a lot more of them in your neighborhood.

PRICE—2 ft., $8.00. 4 ft., Gate $9.00. Steel metal parts for "Can't-Sag Gate," $4.00.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
The above illustration indicates design 125 of American Steel Fencing, which is eminently satisfactory for general farm purposes. The close spacing at the bottom will turn Hogs, also hold Sheep, Cattle and Horses.

We carry a full line of everything in the way of Steel Fencing for Horses, Sheep, Hogs and Poultry. Price very reasonable.

STEEL POSTS

Note the very simple method of driving steel fence posts. Two men, horse and wagon do the work rapidly. We carry a large stock at our warehouse at the following prices:

Price List

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINE POSTS, 6 feet</td>
<td>$0.65</td>
</tr>
<tr>
<td>LINE POSTS, 7 feet</td>
<td>$0.75</td>
</tr>
<tr>
<td>LINE POSTS, 8 feet</td>
<td>$0.85</td>
</tr>
<tr>
<td>LINE POSTS, 9 feet</td>
<td>$1.00</td>
</tr>
<tr>
<td>END POSTS, 8 feet</td>
<td>$0.75</td>
</tr>
<tr>
<td>END POSTS, 9 feet</td>
<td>$0.95</td>
</tr>
<tr>
<td>CORNER POSTS, 8 feet</td>
<td>$1.25</td>
</tr>
<tr>
<td>CORNER POSTS, 9 feet</td>
<td>$1.50</td>
</tr>
<tr>
<td>12-ft. American Gate</td>
<td>$10.50</td>
</tr>
<tr>
<td>14-ft. Gate, American, 50-in.</td>
<td>$11.50</td>
</tr>
<tr>
<td>3-ft. Single Walk Gate, plain</td>
<td>$3.50</td>
</tr>
<tr>
<td>4-ft. Single Walk Gate, plain</td>
<td>$4.50</td>
</tr>
</tbody>
</table>

There's no better fencing made for hog, cattle, poultry or rabbits. It makes an ideal garden fencing. It's strong, thorough, practical and more durable than netting. The light specifications are strong enough to turn stock.

This fencing comes in 8 to 15 bars, either in 6 or 12 inch stays, 20 to 50 inches high.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
MERIDIAN HAY RACK.
Manufactured of selected lumber and well bolted Price. 16-foot, $25.00; 14-foot, $23.00.

OUR IMPROVED SLIP.

The above cut represents our Improved Slip, which any farmer can make by using our castings, which are shown in the front part of the cut. These castings are all finished and ready for the 16 inch maple runners. Since it is impossible to get Slip Runners sawed with the right sweep, any farmer will appreciate the benefit of our castings at a glance.

All complete like above cut, $15.00
Set of Shoes for above $5.00

IRON HOG TROUGHS.

Made in four sizes 3, 4, 5 and 6 feet, 8 inches deep, 12 inches wide. Price, $1.55 per foot.

IRON STONE BOAT HEAD.

A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years.

Price $6.00 Each

STEEL TRAY BARROW

The framework of this barrow is bolted together and is fitted with a steel tray and patent wood wheel with iron hub, specially adapted for stable work. Deep Steel Tray, No. 75-A $8.50. We also offer The Common Wood or Paddy Barrow, with iron or wood wheels, $3.50 and $4.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Genuine Cyphers Company Incubators Patented

Made in Four Sizes

For the season of 1920 we offer our customers the Cyphers Incubator Company's complete line of Incubators. This style of high class, guaranteed hatching machines, running through four different sizes, represent all that is efficient, convenient and reliable in incubator construction. In buying a Cyphers Company Incubator you take no chance.

Standard Cyphers Incubators

These are machines that for twenty years have been recognized as the "Standard Hatcher's of the World." Tens upon tens of thousands of them have been sold and are in successful use in every civilized country on the globe. They are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders than all other makes combined. They are the last word to date in incubator building, not a penny being spared anywhere in their construction to make sure of their doing satisfactory work in all climes, under widely different conditions, in the hands of all sorts of people. They are built to hatch and to last. With ordinary care they should last an ordinary lifetime. Every Standard Cyphers manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes and at prices as follows: 70 eggs, price complete $42.00; 140 eggs, price complete $51.00; 244 eggs, price complete $68.00; 390-400 eggs, price complete $85.00.

Price List

<table>
<thead>
<tr>
<th>Incubator</th>
<th>Price Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Incubator No. 0, 70 Egg</td>
<td>$42.00</td>
</tr>
<tr>
<td>Standard Incubator No. 1, 144 Egg</td>
<td>51.00</td>
</tr>
<tr>
<td>Standard Incubator No. 2, 244 Egg</td>
<td>68.00</td>
</tr>
<tr>
<td>Standard Incubator No. 3, 390 Egg</td>
<td>85.00</td>
</tr>
<tr>
<td>Electrobor, No. 1, 60 Egg</td>
<td></td>
</tr>
<tr>
<td>Electrobor, No. 2, 120 Egg</td>
<td></td>
</tr>
<tr>
<td>Adaptable Hover</td>
<td>21.50</td>
</tr>
<tr>
<td>Cyphers Center Lamp Portable Hover</td>
<td>18.00</td>
</tr>
<tr>
<td>Style &quot;B&quot; Brooder</td>
<td>45.00</td>
</tr>
<tr>
<td>Paradise Brooder, Base Section</td>
<td>35.00</td>
</tr>
</tbody>
</table>

Mann's Celebrated Bone Cutters

We offer the best Bone Mill on the market. Fully warranted against breakage for two years. The only machine that will cut green bone fine enough for Bantams and little chickens.

Price List of Mann's Green Bone Cutters

<table>
<thead>
<tr>
<th>Cutters</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 5C with Crank Handle</td>
<td>$12.00</td>
</tr>
<tr>
<td>No. 5B with Balance Wheel</td>
<td>16.00</td>
</tr>
<tr>
<td>No. 5BM with Balance Wheel and Iron Stand</td>
<td>20.00</td>
</tr>
<tr>
<td>No. 7 with Balance Wheel and Iron Stand</td>
<td>24.00</td>
</tr>
<tr>
<td>No. 7½ Hand and Power</td>
<td>20.00</td>
</tr>
<tr>
<td>No. 9 Hand and Power</td>
<td>30.00</td>
</tr>
<tr>
<td>No. 11 Power Machine</td>
<td>50.00</td>
</tr>
</tbody>
</table>

Prices Subject to Change Without Notice.
HOW LARGE LAWNS ARE KEPT IN FINE CONDITION

The Ideal Power Lawn Mower has simplified the grass cutting problem for thousands of large estates, public parks, colleges, golf clubs, cemeteries, industrial plants, country clubs, etc.

Wherever the Ideal is used, labor troubles vanish and smooth velvety lawns are maintained at a minimum expense.

Actual use on many of the finest, largest and best kept lawns in the country has shown that the Ideal will cut from four to five acres of grass per day; doing the work of five or six hard-working men with hand mowers.

Moreover, the Ideal is a power mower and roller in one,—the sod is continually kept smooth and firm because it is rolled every time the grass is cut.

Mr. F. H. Ebeling,
Dear Sir:

Enclosed you will please find check for the lawn mower, and I might mention that it is giving entire satisfaction. It usually takes a horse two days to do the work and cuts up the lawn more or less, and the horse will not mow as close to the trees, therefore extra trimming is necessary. We mowed our three lawns, starting about 9 o’clock and were through before 4 o’clock, and the lawns never looked better, all of which proves well for the “Ideal.”

Very truly yours,

E. I. RICE.

Syracuse, N. Y., August 2, 1920.

My Dear Mr. Ebeling:—

The Ideal Power Lawn Mower purchased from you was sent to the old home where we gave it a tip-top good try-out on the large grounds. “It works like a dream”—perfectly and economically, leaving the lawn in better condition, and doing the work in about half the usual time. I am pleased to enclose my check for the Mower.

(Signed) JOHN HUNTER

F. H. EBELING, SEEDS AND FARM SUPPLIES, SYRACUSE, N. Y.
THE IDEAL POWER LAWN MOWER is a sturdy, compact, fool-proof mower which runs on gasoline power and requires only the guidance and attention of an ordinary workman. It will do as much work as five or six men can do with hand mowers, and is rapidly replacing these as well as the old horse-drawn mower wherever there is any quantity of lawn to be cared for.

The "Ideal" is not only a power mower but is also a power roller.

Hundreds of "Ideals" are now in use on large estates, cemeteries, public parks, country clubs and golf courses.

Send for our fully illustrated and descriptive catalog.

A Few Purchasers in Central New York

C. S. Estrabrook, Syracuse, N. Y.
E. N. Trump, Syracuse, N. Y.
E. L. Rice, Syracuse, N. Y.
Willard C. Lake, Syracuse, N. Y.

John Hunter, Fulton, N. Y.
Oswego Public Works, Oswego, N. Y.
H. A. Moody, Pulaski, N. Y.
Camillus Cemetery, Camillus, N. Y.

A Few IDEAL Users

Thomas A. Edison, West Orange, N. J.
St. Mary's College, North East, Pa.
State Normal School, Oswego, N. Y.
Montclair Dept. of Parks, Montclair, N. J.
Geo. M. Cohan, Great Neck, L. I.

Mary Roberts Rhinehart, Sewickley, Pa.
Dedham Country Club, Dedham, Mass.
Trinity College, Hartford, Conn.
Mr. F. H. Ebeling, 217 Warren St., Syracuse, N. Y.

My Dear Mr. Ebeling:

I am writing you in regard to the "Ideal Power Lawn Mower" which I purchased of you a short time ago.

It's a great "little machine." We can mow in two hours our lawn which took a man and horse a full day and do the work better in every way. It is also a pleasure to run it. It's certainly a great success in every way as a mower, also as a time and money saver.

Yours very truly,

H. A. MOODY.

1921 Price List of Ideal Tractor Mowers

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ideal Tractor Mower</td>
<td>$370.00</td>
</tr>
<tr>
<td>with one cutting mower</td>
<td></td>
</tr>
<tr>
<td>and riding trailer</td>
<td></td>
</tr>
<tr>
<td>Extra for one cutting mower</td>
<td>60.00</td>
</tr>
<tr>
<td>Extra for one 22 in. putting green mower</td>
<td>60.00</td>
</tr>
<tr>
<td>Ideal Junior, 22 in. Power Lawn Mower</td>
<td>255.00</td>
</tr>
<tr>
<td>Extra for one cutting Mower</td>
<td>35.00</td>
</tr>
<tr>
<td>Extra for one 18 in. putting green mower</td>
<td>50.00</td>
</tr>
</tbody>
</table>

F. O. B. Cars Lansing, Michigan

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
STERLINGWORTH

LIQUID BORDEAUX

A fungous remedy in paste form for use against most Rots, Rusts, Blights, Mildews, etc., on fruits and vegetables. 1 gal. makes 10 to 50 gals. Prices: 1 qt., 65c; 1 gal., $1.75.

STERLINGWORTH

WATER GLASS

Preserves eggs for ten months. One quart enough for 12 dozen eggs. Do not trust your eggs to water glass of unknown strength. Directions on can. Prices: 1 qt., 40c; 1 gal., $1.50.

STERLINGWORTH

KEROSENE EMULSION

A valuable remedy against Scale and many soft bodied and sucking insects, such as Plant Lice, Leaf Aphis, Wooly Aphis, Celery Aphis, Squash Bug, Leaf Hopper, Mealy Bug, Cabbage Worm, etc. Mixes with 10 to 15 parts of water. Prices: 1 pt. cans, 30c; 1 qt. cans, 50c; 1 gal. cans, $1.25.

STERLINGWORTH

WATER GLASS

A dry powder for sprinkling. Useful against ants in lawns, gardens, etc. Satisfaction or money back. One pound covers 200 sq. ft. Prices: 1 lb. spr. box, 30c; 5-lb. box, $1.25.

STERLINGWORTH

WHALE OIL SOAP WITH TOBACCO

Kills most sucking insects on trees, plants, and rose bushes. Contains tobacco extractive matter. Prices: 1 lb., 35c; 5 lbs., $1.50; 10 lbs., $2.40.

STERLINGWORTH

POWDERED TOBACCO

Very finely ground. Strong in nicotine. Sticks well. Effective against many bugs, worms and lice on cabbage, squash, cucumbers, melons, etc. Price: 1-lb. sprinkler box, 20c.

STERLINGWORTH

NO-SCAB

Never plant potatoes without first treating them with No-Scab. Useful for Oak Smut and covered Smut of Barley. Stinking Smut of Wheat and Grain and for Potato Scab. Full directions on package. Price: 8 oz. bottles, 50c.

STERLINGWORTH

CUT WORM KILLER

A coarse powder for sprinkling near plants to be protected. Cut worms prefer it to vegetation. One pound is sufficient for 100 plants in hills. Prices: 1-lb. sprinkler box, 30c; 5-lb. box, $1.25; 25-lb. drum, $5.00.

STERLINGWORTH

POWDERED TOBACCO

Protects newly planted corn from crows. Don't kill the crows and blackbirds. Keep them from damaging your crops by preventative measures. Prices: 1 pt. cans, 35c; 1 qt. cans, 60c; 1 gal. cans, $1.50.

CONTENTS

A powerful antiseptic and purifier. Its use will keep your home healthful and prevent contagion. One part makes fifty by adding water. Turns water white. Prices: swept up. 1 pt. 50c; 1 qt. 75c; 1 gal. $2. $1.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
POULTRY REGULATOR
POULTRY REMEDIES
BABY CHICK FOOD

SATISFACTION GUARANTEED OR MONEY BACK

It is surprising how even scrub stock can be made to lay when given a proper laying ration combined with Pratts Poultry Regulator; and it will make the laying strains lay even better.

Pratts Poultry Regulator regulates and tones up the entire system. It gets hens quickly over the molt, insures early pullet maturity and is a guarantee of plenty of winter eggs. It prevents all the common poultry ailments; is a tonic as well as a digestive. Makes the feed go farther, and prevents birds going off condition.

 Packages, 30c, 60c and $1.20. 12-lb. pails, $1.80; 25-lb. pails, $3.10.

Don't let Roup cut your profits.
Prevent this costly, contagious disease. The sure and easy "ounce of prevention" is PRATTS ROUP REMEDY

A safe prevention and cure for roup, colds, catarrh, diphtheria and bad weather troubles.

Quickly absorbed by the blood, it purifies the system, reduces the fever and allays inflammation.

Tablets or Powder, 30c, 60c, $1.20.

Give comfort and health by destroying lice, mites and other vermin, and the germs of roup, colds and other diseases by freely and regularly using

Three times as powerful as carbolic acid. Doesn't burn or irritate; safe to handle; lowest in price.

Besides its use in the poultry yard, it is an admirable household antiseptic and deodorant.

1 qt., 70c; 1 gal., $2.00.

You will raise every possible chick, and even the weak ones come along in a few days as strong as the rest if you feed them PRATTS BUTTERMILK BABY CHICK FOOD

It does make chicks live. A complete food for the first three weeks.
It prevents white diarrhoea, leg weakness and digestive troubles;
It more than speaks for itself from the chicks it saves.

Costs only a cent a chick for three weeks.
14-lb. Bag, $1.50. Packages, 35c and 70c.

To protect your chicks from white diarrhoea, the most destructive of all chick diseases, it is only necessary to give PRATTS WHITE DIARRHOEA REMEDY

60c and 30c in the drinking water from the first drink. This remedy has saved many dollars worth of chicks for poultry raisers. You can depend on it.

Lice make loafers of the best intentioned hens. If you want regular layers, kill the lice. Pratts Powdered Lice Killer kills all kinds of lice on big chicks and little. Use it on sitting hens and incubator chicks. Acts as a deodorizer as well. It has the exceptional merit of killing lice and all such vermin without injuring plumage or skin of the birds or irritating throat or lungs if inhaled.

Pratts Powdered Lice Killer may be used wherever a powder is suitable. It is a splendid deodorizer, and will kill lice on horses, cattle, dogs and cats.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
POULTRY SUPPLIES

Beef Scrap, lb. 5½c; 100 lbs. $4.15
Crushed Shell... lb. 2c; 100 lbs. 1.25
Bone Meal... lb. 5c; 100 lbs. 4.00
Alfalfa, Meal... lb. 5c; 100 lbs. 3.50
Bands, Clinch, doz. 15c; 100 1.00
Bands, Adjustable, doz. 15c; 100 1.00
Bands, Pigeon Leg, doz. 15c; 100 1.00
Clover Cutter, without stand $12.50
Clover Cutter, with stand... 15.50
Boxes for grit and shell... 1.50
Capping Instruments (post¬
paid).... $2.40, $3.00, 4.00
Comet (Tar Paint for Roofs) gal. 75c; 3 gal. 2.00
Coop, New Model Brood 1.00
Charcoal, Nod, 3 sizes, fine, me¬
dium, coarse; 2-lb. carton 15c, 50-lb. sack 2.25
Corn Shellers (Iron King) 1.25
Candle, Sulphur Fumigating... 2.00
Cippers Foods... At Market Prices
Chick " " " " " "
Forcing " " " " " "
Scratching " " " " " "
Developing " " " " " "
Laying Mash...
Baner Root Cutter, No. 7... $6.50
Faner's Root Cutter... 1.00
Root Cutter, Fulley and Crank... 23.00
Root Cutter (crank only)... 9.50
Egg Cartons (Paper), 12-egg... 1.50, 100 1.00
Humpty Dumpty Egg Cases, oz. $0.25; 100 oz. 5.00; 100 lbs. 100 1.00
Egg, Porcelain Nest, doz. 30
Eggs, Medicinal, oz. 60
Dry Mash or Chicken Chowder... lb. 5c; 100 lbs. 4.00
Dry Mash, "culo-Pep," "Lay or
Bust," Market Prices.

Food Hoppers, Dry... $1.90, $2.40, $3.50, $5.00.
Fountains, Wall... 1 gal., $1.00
Fountains, Drinking, galv. iron, wall... 30c; medium... 35c; large... 45c; special duck... 1.00
Fountain, Warm Water Drinking 2.90
Fencing, Steel for D-crow mesh 12' made 12, 18, 24, 36, 48, 60 and 72 inches wide; 1-Linch... 1.50
Fencing, made 12, 18, 24, 36, 48, 60 and 72 inches wide, each roll contains 150 linear feet...
American Poultry Fence, a fence, not a netting—2155, per rod, 80c; 1555, per rod... 90c.
Grill, Crystal Granite, 3 sizes, lb. 2c; 100 lbs. 1.25
Grill, Fount Food... 1.00
Gun, Jumbo Powder... 1.00
Hair-Conditioned, Shells Peas, Wheat, Buckwheat, Mill.
Barley Kaffir Corn, Market Prices
Heneots, 1 lb. 50c; 100 lbs. 2.50
Knives, Poultry Killing, each... 75c
Markers, Plopa, Poultry, each... 35c
Nests, Wire, each... 25c
Lee's Lime Killer... 25c
Poultry Foods—
Pratt's, pkg... 30c and 60c
Lee's Egg Maker, pkg... 35c and 75c
Powder, Lambert's Lice, 5 oz. 15c; 1 lb. 50c; 500 oz. 100 1.00
Remedies, Cyphers Poultry, case each... $6.50; single vials... 25c
Roop Cure, Cotter's... 30c, 60c, 1.00
Roofing, Durable, 2 ply, per $2.50; 3 ply, per sq. 3.00
Each roll contains 1 or 2 squares.

Roofing Caps, tin, per lb. 1.00
Roofing Nails, per lb. 2.00
Shells, Oyster, per 100 lbs. 1.25
Spray Pumps, for spraying white¬wash... 7.50 and 10.00
Sprayers, with hose...
Staples, Fence, per lb. 0.75
Staples, Poultry Fence, per lb. 1.00
Salt Cat... brick 10c; doz. 1.00
Add 20c extra for postage.
Thermometers, Incubator... 35c
Thermometers, Brooder... 25c and 60c
Testers, X-Ray Egg... 35c
Trays, Pedigree Egg, per pair... No. 2, $4.50; No. 3 5.50

BIRD SEED AND SUPPLIES

Canary, Hemp, Rape, Millet, Maw, Unhulled Rice. Market Prices
Sunflower Seed... 1 lbs. 3c... 50c
Shepard Song Restorer, bottle. 35c
Marshall's Song Restorer, bottle... 50c
Mocking Bird Song Rest, bot... 35c
Shepard Song Rest, bottle... 25c
Cuttle Bone, lb. 0.75
Pepper Seed, oz. 1.00
Lettuce Seed, oz. 0.05

PIGEON & DOVE SUPPLIES

Canada Peas, Choice Wheat, Yellow Corn, small kernels, Kaffir Corn, Millet, Hemp...
Market Prices
Foust's High Grade, grt. 3 lbs. 25c
Dog Biscuit... lb. 12c; 3 lbs. 36c
Dog and Pupp Biscuit, Spratt's, Old Grist Mill, Milk-Bone in
bulk, pkg. 35c

POULTRY FEEDS

We are prepared to deliver promptly everything in Poultry Feeds of highest quality at a very reasonable price.

Try our Scratch Grains, "Full of Pep," "Laying Mash," "Lay or Bust, and all Poultry Remedies, Cyphers Incubators, Brooders, etc.

"QUALITY, PRICE AND RELIABLE SERVICE" our motto.

HARDWARE TOO!

Will Exterminate Rats and Mice from your premises in a safe, sane and sanitary manner.

NO ODORS OR SMELLS. It mummifies them. No matter where they die they simply DRY UP. Positively do not smell. Rat Corn is a new and scientific discovery, and without a doubt the greatest rat destroyer in the world; this cleaner that kills rats without price for larger lots.

Red Wing Insect Powder

In the New Bellows. Insect Powder and Bellows combined ALL FOR TEN CENTS

RED WING is the Best Insect Powder that can be procured and once you try it you will use no other. For the destruction of Roaches, Bed-Rugs, Fleas, Moths, Ante. Flies, etc. 10c, 25c, 50c, $1.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
1868 53rd Annual Catalogue 1921

RETAIL STORE
217 WARREN ST.

SYRACUSE, N. Y.

WAREHOUSE
538-540 CANAL ST.