**Revised Price List of Garden Seeds for May 1, 1903.**

Please notice that any or all seeds mentioned below are sold in five-cent packages, postpaid, by mail.

For ten papers ordered at one time, 40 cents; 100 papers, $3.50. Of course, scarce and high priced seed will necessitate making a very small amount of seed in a package; but by far the greater part of them contain a full half ounce of good fresh seeds. By comparing these packages with those you get of most of the seedsmen you will notice the liberal amounts we furnish for only 5 cents. It is true, we do not give presents or cash prizes; but we believe the most intelligent people of the present day would prefer to have their money's worth of what they ordered rather than compete for a prize. The five-cent package is sent postpaid; but the price of all other seeds does not include postage; therefore, when you order seed by the ounce or pound, allow the second crop was from beans that ripened from the first crop of the season of 1900 we grew two crops on the same ground and an improvement in Henderson's, and larger.

**Asparagus.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus, Pugetto</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Bush Beans.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burpee's Bush Lima</td>
<td>15c</td>
<td>50c</td>
</tr>
<tr>
<td>Improved Bush Lima</td>
<td>20c</td>
<td>55c</td>
</tr>
</tbody>
</table>

**Dwarf Wax Bean.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Davis Wax Bean Pl.</td>
<td>15c</td>
<td>50c</td>
</tr>
<tr>
<td>Davis Wax Bean Qt.</td>
<td>25c</td>
<td>75c</td>
</tr>
</tbody>
</table>

**Green Peas.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dutch Dwarf German Wax</td>
<td>5c</td>
<td>40c</td>
</tr>
<tr>
<td>Dwarf Wax Seed</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Prize-winner Extra Early Shell Bean.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prize-winner Extra Early</td>
<td>8c</td>
<td>65c</td>
</tr>
</tbody>
</table>

**White Kidney, Large.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Kidney, Large</td>
<td>8c</td>
<td>65c</td>
</tr>
</tbody>
</table>

**Banner Field Beans.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banner Field Beans</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**POLE BEANS.**

**Extra-early Lima Beans.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra-early Lima Beans</td>
<td>8c</td>
<td>65c</td>
</tr>
</tbody>
</table>

**King of the Garden Lima.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>King of the Garden Lima</td>
<td>8c</td>
<td>65c</td>
</tr>
</tbody>
</table>

**Peas by mail will be at same rate as beans for postage.**

**Beets.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eclipse</td>
<td>5c</td>
<td>40c</td>
</tr>
<tr>
<td>Long Red Magell.</td>
<td>5c</td>
<td>40c</td>
</tr>
<tr>
<td>Golden Yarrow</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Sugar Beets.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lane's Imperial Sugar</td>
<td>5c</td>
<td>40c</td>
</tr>
<tr>
<td>French White Sugar Red-top</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Carrots.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early French Forcing</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Cabbage.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select, Very Early Jersey</td>
<td>30c</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**Celery.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henderson's White Plume</td>
<td>10c</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**Cauliflower.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack Frost</td>
<td>30c</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**Corn.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ear's Early Sweet Corn</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Cress.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Curled, or Pepper Grass</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Cucumber.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Frame</td>
<td>15c</td>
<td>1.50</td>
</tr>
</tbody>
</table>

**MELONS.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casaba</td>
<td>8c</td>
<td>75c</td>
</tr>
</tbody>
</table>

**Onions.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>American (Extra Early)</td>
<td>5c</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**Parsley.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Curled or Double</td>
<td>5c</td>
<td>35c</td>
</tr>
</tbody>
</table>

**Peppers.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweet Spanish</td>
<td>3c</td>
<td>15c</td>
</tr>
</tbody>
</table>

**Pumpkin.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Sugar</td>
<td>5c</td>
<td>1.50</td>
</tr>
</tbody>
</table>

**Radishes.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Scarlet Globe</td>
<td>5c</td>
<td>40c</td>
</tr>
</tbody>
</table>

**Rhubarb.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Oz.</th>
<th>lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myatt's Victoria</td>
<td>10c</td>
<td>1.00</td>
</tr>
</tbody>
</table>
Catalogue of Seeds for the Greenhouse, Garden and Farm, and Especially for Bee-Keepers.

The A.I. Root Company.

Medina, Ohio.

Established 1886.
Revised Price List of Garden Seeds for 1902.

PLEASe NOTICE that any or all seeds mentioned below are sold in five-cent packages, postpaid, by mail.

For ten papers ordered at one time, 40 cents; 100 papers, $3.50. Of course, scarce and high-priced seed will necessitate making a very small amount of seed in a package; but by far the greater part of them contain a full half ounce of good fresh seeds. By comparing these packages with those you get of most of the rest are charging for them, we do not give presents or cash prizes; but we believe the most intelligent people of the present day would prefer to have their money's worth of what they ordered rather than compete for a prize. The five-cent packages are sent postpaid; but the price of all other seeds does not include postage; therefore, when you order seed by the ounce or pound, allow postage thus: 9 cents per lb.; 5 cents per ¼ lb.; or 1 cent per oz. Peas and beans by the pint and quart must also have 8 cents per pint or 15 cents per quart; for corn, add 12 cents per quart for postage. Postage to Canada is double the above rates. One-fourth ounce, pound, or peck will be sold at ounce, pound, or peck rates unless otherwise specified.

ASPARAGUS.
Asparagus, Palmetto. Oz. 5c; lb. 40c.

BUSH BEANS.
Burpee's Bush Lima. Pt. 15c; qt. 30c; ¼ pk. $1.00.
Henderson's Bush Lima. Pt. 8c; qt. 15c; pk. $1.00.

Wood's Improved Bush Lima. Pt. 20c; qt. 35c; pk. $2.00.

David Wax Bean. Pt. 8c; qt. 15c; 4 qt. 35c; pk. $1.00; bushel, $3.75.

Dwarf German Wax, black seeded. ½ pt. 8c; pt. 15c; qt. 20c; pk. $1.00.

Prize-winner Extra Early Shell Bean. ½ pt. 8c; pt. 15c; qt. 30c; pk. $1.75.

This is not only the earliest shell bean we have ever come across, but it is a tremendous yielder, and the best quality of any white bean we know of. It is so exceedingly early that in the season of our growth, we grew two crops on the same ground, and the second crop was from beans that ripened from the first crop.

White Kidney, Large. Pt. 8c; qt. 15c; pk. $1.00; bu. $3.50.

York State Marrow. The standard field bean. Qt. 10c; pk. 75c; bushel, $2.75.

Banner Field Beans. Qt. 10c; pk. 70c; bushel, $2.75.

POLE BEANS.
Extra-Early Lima Beans. ½ pt. 8c; qt. 15c; pk. $1.75.

King of the Garden Lima. ½ pt. 8c; qt. 35c; pk. $1.75.

All of our beans will be furnished in five-cent packages, but where they are to go by mail, postpaid, of course the above packages will have to be quite small. If wanted by mail, add 2c per pt. or 1c per qt. for postage.

BEETS.
Eclipse. Oz. 5c; lb. 30c; 5 lbs. $1.25.

Long Red Mangel. Oz. 5c; lb. 20c; 5 lbs. 90c; 10 lbs. $1.50; 20 lbs. or more, 15c per lb.

Golden Tankard Mangel. Oz. 5c; lb. 20c; 5 lbs. 90c; 10 lbs. $1.60; 20 lbs. or over, 15c per lb.

STANDARD SUGAR BEETS.
Lane's Imperial Sugar. Oz. 5c; lb. 20c; 5 lbs. 75c; 10 lbs. or more, 15c per lb.

French White Sugar Red-top. Same price as Lane.

CABBAGE.
Select, Very Early Jersey Wakefield. Oz. 20c; lb. $2.50.

Henderson's Early Summer. Oz. 10c; lb. $1.25.

Fottler's Brunswick. Oz. 10c; lb. $1.25.

Burpee's Summer. Oz. 10c; lb. $1.25.

Excelsior Flat Dutch. Oz. 10c; lb. $1.25.

Perfection Drumhead Savoy. Oz. 10c; lb. $1.25.

Large Red Drumhead. Oz. 10c; lb. $1.25.

CARROTS.
Early French Forcing. Oz. 5c; lb. 40c.

Orange Danvers, Half Long. Oz. 5c; lb. 35c; 5 lbs. $1.50.

CULIFLOWER.
March's Improved Early Snowball. (Mattituck Er-furt.) ¼ oz. 30c; ½ oz. 50c; oz. $1.75.

CELERY.
Henderson's White Plume. Oz. 10c; lb. $1.00.

Golden Self-blanching Celer. Oz. 15c; lb. $1.75.

New Hope. Oz. 10c; lb. 75c.

Giant Paschal. Oz. 10c; lb. 75c.

Dwarf Golden Heart. Oz. 10c; lb. $1.00.

CORN (for table use).

Corn we sell at 2c per half-pint package; but at this price purchasers must pay postage, which is 3c for each half-pint. If wanted in larger quantities the price (where no price is given) will be, pt. 7c; qt. 10c; pk. 60c; bu. $2.25.

Kendal's Early Giant Sweet Corn. Ford's Early Sweet.

Lamb's Sweet. Stowell's Evergreen.

Country Gentleman, or Improved Shoepeg. Rice Pop Corn. Extra fine.

Sweet Corn for fodder.Pk. 40c; bu. $1.50.

CORN SALAD.
Oz. 5c; lb. 40c.

CR USS.
Extra Curled, or Pepper Grass. Oz. 5c; lb. 40c.

Water Cress. truce. Oz. 5c; lb. $2.50.

CUCUMBER.

Early Frame. Oz. 5c; lb. 35c.

Improved Early White Spine, or Arlington. Oz. 5c; lb. 35c.

Green Prolific, or Boston Pickle. Oz. 5c; lb. 35c.

LETTUCE.

Grand Rapids Lettuce. Oz. 5c; lb. 50c; 5 lbs. $2.00.

Big Boston (White-seeded Tennis-ball). Oz. 5c; lb. 50c.

Henderson's New York. Oz. 5c; lb. 50c.

MELONS, MUSK.

Casaba, or Persian Muskmelon. Oz. 5c; lb. 35c.

Banana. Oz. 5c; lb. 35c.

Extra Early Citron. Oz. 5c; lb. 35c.

Emerald Gem. Oz. 5c; lb. 35c.

Miller's Cream, or Osage. Oz. 5c; lb. 35c.

Paul Rose Muskmelon. Oz. 8c; lb. 60c; New; fine.

Rocky Ford Canteloupe Muskmelon. The same that so many people enjoyed at the Omaha exposition. oz. 5c; lb. 15c.

MELONS, WATER.

Phinney's Early. Oz. 5c; lb. 30c.

Landreth's Boss. Oz. 5c; lb. 30c.

Sweetheart. Oz. 5c; lb. 30c.

ONIONS.

A leaflet on "Growing Onions to Bunch up" will be mailed on application.

Yellow Glove Danvers. Oz. 8c; lb. 75c; 5 lbs. $3.25.

Large Red Wethersfield. Oz. 8c; lb. 75c; 5 lbs. $3.25.

Pritzetaker. Oz. 10c; lb. $1.25.

White Victoria. Oz. 30c; lb. $2.50.

American (Extra Early) Pearl. Oz. 25c; ½ lb. $1.75; 1 lb. $5.25.

American Early Red. Oz. 8c; ½ lb. 30c; lb. $1.00.

Bermuda (true Tenerife). Oz. 25c; lb. $2.00.

Giant Buddhist Onion. Oz. 20c; lb. $2.50; new and fine; still larger than Pritzetaker.

PARSNIP.

Improved Guarney. Oz. 5c; lb. 25c; 10 lbs. $2.00.

PARSLEY.

Fine Curled or Double. Oz. 5c; lb. 35c.

PEAS.

Peas of all kinds are very scarce. If you think our prices high, look over your seed catalogs and see what some of the rest are charging for them.

Alaska. ½ pt. 7c; qt. 20c; pk. $1.25; bu. $5.00.

American Wonder. Qt. 35c; pk. $1.60; bu. $6.00.

Premium Gem. Qt. 35c; pk. $1.60; bu. $6.00.

Strawberry. ½ pt. 8c; qt. 20c; pk. $1.25; bu. $4.50.

Champion of England. Pt. 10c; qt. 20c; pk. $1.25; bu. $4.50.

Canadian Field. Pk. 40c; bu. $1.25.

Pea will be at same rate as beans for postage.

PEPPERS.

Sweet Spanish. ½ oz. 5c; oz. 15c.

Bullnose. ½ oz. 5c; oz. 15c.

Cayenne. ½ oz. 5c; oz. 15c.

PUFFIN.

Early Sugar. Oz. 5c; lb. 35c; specially for pies.

Wood's Early Frame. Oz. 5c; lb. 40c.

Beckett's Charter. Oz. 5c; lb. 40c.

Chinese Rose Winter. Oz. 5c; lb. 40c.
RHUBARB.

Myatt's Victoria. Oz. 10c; lb. $1.00.

SALISFY, OR OYSTER PLANT.

New Mammoth. Oz. 10c; lb. $1.00.

SPINACH.

Bloomsdale Extra Curled. Oz. 5c; lb. 20c; 5 lbs. 75c.

SQUASH.

Giant Summer Crookneck. Oz. 5c; lb. 40c.

Hubbard. Oz. 5c; lb. 50c; 1 lb. $2.25; 10 lbs. $1.00.

TOATO.

Golden Queen. Pkt. $0.50; oz. 15c; lb. $2.00.

Ignatoo Tomato. 1/2 oz. 8c; oz. 15c; lb. $1.50.

Livingston's Beauty. Oz. 12c; lb. $1.75.

Earliest-on-the-World Tomato. 1/2 oz. 10c; 1/4 oz. 15c; oz. 25c; lb. 50c.

Fordhook First. Oz. 20c; lb. $2.75.

Dwarff Champion. Oz. 10c; lb. $1.25.

Buckeye State. Oz. 10c; lb. $1.25.

Livingston's New Stone Tomato. Oz. 10c; lb. $1.25.

Trophy Tomato. Oz. 10c; lb. $1.00.

Pear Shaped Tomatoes. Oz. 20c; lb. $2.50.

TURNIP.

Yellow Aberdeen. Oz. 5c; lb. 25c.

White Egg. Oz. 5c; lb. 30c.

Breadseed. Oz. 5c; lb. 30c.

Purple-top Whist-globe. Oz. 5c; lb. 30c; 5 lbs. $1.25.

Seed Potatoes.

Prices: 1/4 peck, 25 cts.; peck, 40 cts.; 1/2 bushel. 75 cts.; bushel. $1.40; barrel (of 11 pecks, one kind, or potatoes, seeds, etc.; but you must pay all postage, except of Maine, Maule's Commercial, Carman No. 3, White Mammoth, you had better order at once if you want them.

Any of the above potatoes will be furnished in very small quantities, say not to exceed a peck or half a bushel; Early Russian, and Craig. As our supply of many is limited, you had better order at once if you want them.

OTHER POTATOES IN SMALL QUANTITIES.

We can furnish the following kinds in small quantities, say not to exceed a peck or half a bushel: Early Trumbull, New Queen, Lee's Favorite, Freeman, State of Maine, Maule's Commercial, Carman No. 3, White Mammoth, Early Michigan.

Any of the above potatoes will be furnished in very small quantities at 5 cts. per lb., or by mail at 15 cts. per lb., or 3 lbs. for 40 cts. Potatoes for premiums can be sent by mail, but 10 cts. per lb. extra for postage and packing will be required.

POTATOES AND GARDEN SEEDS TO BE GIVEN AWAY.

Everybody who sends $1.00 for GLEANINGS (asking for no other premium), may have 25 cts. worth of potatoes, as our editor mentions it at the time he sends the money; and every subscriber who sends us $1.00 for a new subscriber so that he may have the same premiums, may have 50 cts. worth of potatoes, seeds, etc.; but you must pay all postage, express, and freight on your premiums. We can give no other premium, may have 25 cts. each; three or more, 55 cts. each; half a dozen or more, an even 30 cts. It can be sent by mail at an expense for postage of about 45 cts. A better way, however, is to have it go by express, or, better still, by freight with other goods.

Reports From a Few Purchasers.

The Acme potato-planter was a grand success with me. I planted on ground that was not furrowed, and it planted too deep; so I tied a one-inch block under the lever, and it was all right. I have it in a right handy place all right. I let one of my neighbors take it to use, and he said he would like to get one like it. I would not do without it for four times its cost.

M. Wyrick.

Gleanings, Iowa, Jan. 1.

The new potato-planter is a success with me. I have only a large garden, and have the soil worked deep, and the planter pulverized, rolled level, and planted under a line. My plat is high and dry, and in so doing the moisture is retained by level working, not being ridged at all. I think some soils may not have enough sand, and the planter may not clean out; but I find that, if we use reason, we can soon work the tool to perfection. I also use it to plant corn. I am well pleased with the planter.

S. S. Pethereau.

Era, O., Jan. 8.

I got a hand potato-planter of you last summer, and it worked like a charm. I plowed in a heavy crop of grass and weeds so we had to have a chain to pull it in the furrow. Being so much plowed under it could not be furrowed out but the planter put them in in good shape, although ours is clay land.

S. Mischin.

Divide, Oregon, Feb. 15.


The cut will make the transplanter a machine almost without any particular expense, and you can make the machine in both hands, and with an auger-like motion back and forth you set the steel tube, No. 1, over the plant. It is pressed down till it will bring up the plant, root, and all, in a lump of dirt like No. 2. It is not advisable to push it any further, as it is necessary to get all the roots. In fact, if the tap-root is broken off, with most plants they will do just as well. After the plant is out of the ground in the ball of earth, you place your feet in front of it, and put your hand at the top of the master auger, and push down, releasing the ball of dirt. With strawberries you cannot ball these balls into a wheelbarrow, or with appropriate trays you can load them into a wagon. This ground was described in our book on strawberry culture. Mark it out according to your notion, with the transplanting machine, and then dig holes to your 'potted plants' into, for they really are potted plants, to all intents and purposes.

Permit me to say that I have used it successfully all the strawberry planting implements made on this plan, and I would put this machine far ahead of any of them, in point of speed of working, and for effectiveness. Where you are going to plant over a considerable area, say a half acre, or more, especially if two hands are at work, two machines are very handy. Price of the machine, $1.50; two machines, $2.50.
Honey Plants

I have for years had dreams of a honey-farm, with acres of flowers of different colors, blooming at different seasons, and keeping the bees away from the stores and groceries when we have a dry spell in the summer. The stream has been partially filled with stones, spider plant, and the seven top turnip, but I am pretty well satisfied it will not pay to cultivate these for honey alone. Bignonnette, catnip, motherwort, borage, melilot, and some others I have tested, but I am not satisfied with them yet, to have ever paid for the sacks.

We first give a list of the plants that not only yield honey, but are profitable crops for their other products. If the bee-keeper can not raise these himself, he can often induce farmers round about him to do so for him. They are all native, and it is not needed free. But when it is grown for seed, the prices will vary.

As an illustration: We have for years been in the habit of furnishing buckwheat seed free of charge to any one who will sow it within a mile and a half of our apiary. Alsike, white Dutch clover, and Mammoth red clover, are also furnished free, as is alfalfa, which is the most important honey-bearing plant, generally speaking, in the world. I am inclined to think that basswood (or linden) bears the largest quantity of honey, although it is not generally considered quite equal to clover in flavor; for in the honey-markets it usually sells for one cent per pound less than clover. We, however, put basswood first and clover second.

<table>
<thead>
<tr>
<th>SEEDS OF HONEY PLANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crimson or Scarlet Clover.</strong></td>
</tr>
<tr>
<td>Per bushel, $6.00;</td>
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<tr>
<td>One ounce, $3.00;</td>
</tr>
<tr>
<td>One peck, $2.35;</td>
</tr>
<tr>
<td>1 peck, $3.75;</td>
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<tr>
<td>1 bushel, $7.00;</td>
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<tr>
<td>100 lbs., $4.50;</td>
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**White Dutch Clover.** 
Per bushel, $12.00; 1/4 bu., 62.5c; 1/2 lb., 25c; by mail, 35c.

**Peavine or Mammoth Red Clover.** Per peck, $3.00; 1 lb., 50c; by mail, 55c.

**Sweet Clover.** Hulls off. per peck, $3.50; 1 lb., 50c; by mail, 55c.

**Buckwheat.** Japanese. Trial packet, 4 ounces, by mail, postpaid, 1Sc; 1 lb., 15c; peck, 25c; bushel, $1.00; 2 bushels, $2.00, by mail, postpaid, 50c; by express or freight, 25c. These prices include bag to ship in. Ten or more bushels, buyer paying per bag for sacks, 5c.

**Dwarf Essex Rape.** 1 lb., mail, postpaid, 20c; freight or express, 50c, 7c; per lb., 100c, 6c.

This plant has been rapidly coming to the front in the last few years for forage plant, especially for sheep. It may be sown in May, June, July, or August; and at our Ohio Experiment Station it gave from 8 to 12 tons per acre in 100 days after planting. Like other forage-plants, stock must be allowed to winter over and go to seed. It has wintered over perfectly, and produced quite a crop of honey, as Michigan. See "leaflet" about sweet clover, mailed free on application.

**Cow Peas.** We have only the Wonderful and Early Blackeye. Price of Wonderful, 1 qt., 12c; by mail, 10c. New type, 7c. Cow peas are allowed to winter over and go to seed. It has wintered over perfectly, and its pods will hold out very much better than any other variety. See "leaflet" about cow peas, mailed free on application.
Seven-top Turnip. Oz. 5c; lb. 25c; 10 lbs. $1.50.
If sown 1" deep, 10c per lb.
This plant, although not equal to the Spider plant and the Simpson honey plant, is entitled to a place among those that bear fruit blossoms and clover. It should be sown if Aug. and Sept. It is somewhat fatter than the common clover, and therefore more nourishing, but only foliage that is used for greens. Excellent for plowing under.

Sunflower, Mammoth Russian. Oz. 5c; lb. 60c; 100 lbs. 50c per lb.
This plant is visited by the bees in great numbers in some localities, but only a small amount is needed, as the seeds usually pay all expenses of cultivation; it holds its place in any garden, and takes up little land, and is one of the largest blossoms, as well as the largest seeds.

Soja Bean. Oz. 5c; lb. 55c; peck. $3.00; bushel, $2.50. This is largely used for greens. Excellent for plowing under.

American Coffee-berry. Package, 5c.
The large globular blossoms exude pure honey, and if closed in a paper bag so the bees are kept away the blossoms will keep quite as long as any other honey flower, and may be used as a honey-plant. The bees busy on the blossoms.

Plants for Honey Only.
The following plants yield honey, and many of them in considerable quantities; but they are so little used for other purposes that there is little in-}

Borage. Oz. 10c; lb. $1.40; if wanted by mail, add 10c per lb. extra.

Dandelions. Package 5c; oz. 5c.
I presume everybody can get dandelion seeds and roots without buying them, but for all that I have much faith in an acre of dandelions. They can be sown in any part of the garden and will help to make the place as a honey-plant to take off the surpluses of the honey-plant.

Catnip. Oz. 10c; lb. $1. If wanted by mail, add 10c per lb. extra.

Thermometers and Barometers for Greenhouse Men, Gardeners, Farmers, Dairymen, Poultry-keepers, etc.

We can furnish a very accurate and easy to read thermometer for all general purposes, large scale, easy to read, for only 15 cts.; by mail, 20 cts. A very reliable dairy thermometer, all glass, and used in any liquid without rusting. Price 15 cts.; by mail, 20 cts. Also a very substantial incubator thermometer. It has a scale running only from 00 to 120. In this way we get a long scale with the marks so far apart it is an easy matter to get down to a very accurate temperature; or for scientific use, where the temperature to a very exact point if you wish. These are made specially for poultry men, are very accurate and easy to read. If I am correct, it is about the best thing for the purpose. Price 25 cts.; by mail, 30 cts.

Barometers for Foretelling the Weather.
I have said several times before that our barometer frequently saves the expense of it in a single day. In fact, I consult it almost as often as I do my watch, and very seldom make a mistake. It is especially valuable to the gardener, as it warns him against heavy blows of wind. When he goes to bed at night, if there is likely to be a blow before morning he may save his greenhouse by having his sashes, greenhouses, and other fixtures prepared accordingly. We can furnish a very pretty good-sized pendulum barometer for $3.00. Although they can be sent by mail, we recommend by express only, as they are liable to injury from throwing the mail bags.
THE FAULLESS SPRAYER.

Certain Death to all Insects. Keeps the Flies off Horses and Cattle. Kills Potato-bugs, Currant and Cabbage Worms, and Lice on Stock and Poultry.

Few little inventions make the stir and do the amount of good that the little tin spray-pumps did that were ordered for spraying bugs, in the fall of 1898. At that cost $25.00, we let it stand in the tool-house, and spray a great many acres of potatoes with the little spray-pump, like the one pictured here. It does the work easier and cheaper and better. A boy with some packages of Paris green in a large spoonful in each paper in his pocket, and in his hand a spray-pump weighing only a pound will do the whole job in a very little time; in fact, one boy takes his bag along and does the hoeing and spraying both, without any machine to lug back and forth, nor any chance of said machine getting out of order. As soon as we began to offer them for sale, others seemed to discover their advantages; and although we ordered pumps from the factory at several different times, we were sold out in spite of us when we wanted them most. We sold over 1700 during 1899, and a still larger number in 1900.

We now have a large stock of the latest improved ones, and the price is even lower. These pumps are so perfect that the spray looks like steam out of the nose of a teakettle; in fact, you can fill the air in a room with vapor with one of these machines. The price of the new improved machines is 35 cts., or three for $1.00; the same with galvanized iron tank, 50 cts. You can have the same thing made all of brass for only 25 cts. more. Either kind can be mailed for 25 cts. additional. Now do not say you cannot afford a sprayer to keep the potato-bugs out of sight, for the great advantage of this little apparatus is that it is so little work to use it you can kill the bugs when they first start, and keep them down before your potatoes are injured at all. Thousands of people lose their potatoes every season just because it is too much work to fight the bugs.

With every machine is a stout linen tag, with full directions how to use the sprayer for all kinds of insects. Yes, this machine will protect all trees all right, but you would have to get up on a high stool, or climb a ladder, to get the spray all over a tree of any size. For spraying orchards a larger and more expensive machine is needed. For keeping flies off horses and cattle use pure kerosene in the above sprayer.

ANOTHER USE FOR THE FAULLESS SPRAY-PUMPS.

The following was clipped from Gleanings:

You ask for information regarding the use of kerosene, spray or oil, for keeping off flies. Last year, seeing on sale at one of our stores the Acme sprayer (similar to the Faultless), and thinking it would be handy for me to spray my hand-harvested potatoes, I bought one and found it very convenient for that purpose. By keeping it loaded I could go over my few short rows every morning to make sure the bugs did not destroy the buds or blossoms before the seed-balls were set. Of course, for this I used Paris green. I also used the sprayer with water for spraying cabbage, with very good results. One day, noticing that the flies were tormenting my calves, I thought I might try the kerosene sprayer as long as I had it worked charmingly, and no flies would remain on the calves to annoy them, after which we sprayed them every morning.

The men, noticing the good effect of the spray on the calves, tried it on the cows before walking, with equally good results. I found it would last all day on the calves if one-fourth sweet or lard oil was added to the kerosene. I am using the sprayer with clear kerosene on my orchard, to kill the oyster-shell bark-lice that are now hatching. This year I shall buy a sprayer for each kind of mixture, to avoid the trouble of so many changes. They are so cheap one can afford to have all he wants.

Bristol, Vt., Apr. 5, 1900.

A. E. MANUM.

Insecticides.

Paris Green.

Paris green is such unpleasant stuff to handle that we prefer to sell it only in original packages. These are put up securely, and may be shipped without injury, as follows: 4 oz. packages, 7 cts. each; ¼ lb. packages 15 cts. each; 1 lb. tin cans, 25 cts.; 5 lbs. tin cans, 50 cts. per lb.; 14 lbs. at 19 cts.; 28 lbs., 38½ cts.; 56 lbs., 17½ cts. and 100 lbs. at 17½ cts. per lb.

Tobacco-Dust.

This is sprinkled over the foliage, and on the ground around lettuce in the greenhouse or on melon or other vines just as they are coming up, and is one of the best and cheapest Insecticides known. One lb. by mail, 25 cts.; 5 lbs. by express or freight, 8c per lb.; 10 lbs., 2½c per lb.; 25 lbs., 2c per lb.; 100 lbs., $1.50.

Pyrethrum Cinerarifolium.

(Persian Insect-Powder.)

This is not only a pretty plant for the flower garden, but the flowers, gathered and dried when in full bloom, and then finely powdered, furnish us the Persian Insect-Powder, of which so much has been said. With us it has been the surest thing to kill all sorts of small insects laying them out dead in every few minutes, of anything we have ever got hold of. It will also kill the green fly in greenhouses. When used in the insect-powder bellows, described below, but very little of the powder is required.

With the powder-gun (see "pitty-bulb" on page 3), you can kill every fly in any room of the house, within an hour. Of course, the doors and windows of the room should all be closed. In painting new houses in the summer time, when flies are troublesome, the instrument is worth more than it costs, for this alone. It is not at all poisonous or injurious to human beings.

Price of the powder, all ready for use, one ounce, 5 cts.; ¼ lb., 10 cts.; ½ lb., 25 cts.; 1 lb., $1.00. Price of the seeds, one packet, 5 cts.; one ounce, $1.00.; 1 lb., $10.00. By mail, 18c per lb. extra on powder, and 8c on the seeds.

Cold-Frame or Hot-Bed Sash.

The sash are of the regular size, 3 ft. 4 inches by 6 ft., for four rows of glass 8 inches wide. If you prefer larger glass we will furnish sash for 3 rows of 11-inch glass at the same price.

These sash are usually shipped from here knocked down at a low rate of freight, and they can be put together by anybody. If done securely they are just as strong as the regular sash. They are 1½ thick, outside bars about 3 inches wide, and inside ones about 1¼. The bars are grooved to slip the glass in place. If a light of glass is broken, move...
them up close and slide another in from the bottom end.

Price of one sash, in the flat, for sample, without glass, 70 cts.; 5 in the flat, 65 cts. each; 10 in the flat, 60 cts. each. Glass, 8¢/10, just right for the above, $3.00 per box of 90 lights.

Sash put up, no glass or paint, 10 cts. each extra; 10 cts. each extra for each coat of paint, and $1.10 each extra for glass set in before painting; making the cost put up, painted two coats, and filled with glass, at $2.10 each in lots of 5. The risk and freight charges are so much more shipped put up with glass that we do not recommend you to order this way, and we can do $2.00 each in lots of 6. The risk and freight charges above, $3.60 per box of 90 lights.

A Hand Seed-Drill for only 50 cents.

In 1890 we introduced and sold a large number of these machines, and I never heard a complaint that I know. This year they have been a much better machine, and by taking a very large lot, and having them made up during the dull season, we have been enabled to furnish not only an improved machine, but at a lower price than we did last season. These drills are not only just what you want in a making garden, but they are just the thing to put in the seeds quickly, and accurately spaced, in hot-beds, cold-frames, etc. Price 40 cts. If wanted by mail, add 10 cts. each for postage, and some roads rate them as double first-class.

Boxes for Starting Squashes, Melons, Cucumbers, etc.

During my visit to Arlington, in July, 1888, noticed that the squash-growers had a plan for getting Boston marrow squashes on the market very curiously. It is by means of the boxes shown in the adjoining cut. These, as you notice, are made so as to nest one in the other, occupying but little room when stored away, or drawn out on the wagon. An 8¢/10 glass slides in the top. These boxes can be used for putting over hills of early potatoes in March and April; and when the potatoes are out of danger they will do good service in forwarding squashes, melons, and cucumbers. After all danger of frost is past, these boxes can be used for setting out the summer squashes, cucumbers, melons, etc., but the box is left on, as a protection against bugs. If the bugs are very bad, however, you will have to tack on a cheesecloth. The striped bug, etc. (as in the illustration). In making a market, when to move loosely, it is not a very long job to slide them all back when the weather is mild, and close them up again at night, when frost comes. If the earth is banked around the lower edges, it makes quite a miniature cold-frame. I was astonished while at Arlington to see squash-trees fully a month ahead of the usual time, but I was told these boxes were the explanation of it. Don’t fail to have a big lot of good manure under each box (see our little book, "Gregory on Squashes"). Prices of these little boxes without glass, in the flat, 15 cts. each; $1.35 for 10, $10.00 per 100. Glass to match, $2.25 per box of 50 square feet. There are about 90 lights in a box.

SEED AND PLANT CATALOG.

N S E T - 2500, polished wood, each 1¢; doz. 10¢; 100, 75c. Postage 1¢ each.

Books on Gardening, Farming, etc.

Figures on the left hand indicate amount of postage to be added when you desire to do business by mail.

I have indicated my opinion of the books by characters as follows: Books that I approve I have marked with *; those I especially approve with **.

5 | A B C of Potato Culture, by Geo. B. Perry

This is T. B. Terry's first and masterly work. The book has had an enormous sale, and has been reprinted in foreign languages. When we are thoroughly familiar with Terry's system of raising potatoes, we shall be ready to handle potatoes as easily as we handle apples and pears, and at a profit of several dollars over our expenses. New edition revised and greatly enlarged, 1902. Cloth-bound, net by mail, 75¢.

Potato Culture on Jersey Island, postpaid**...** 10

This is in the ABC of Potato Culture as a supplement, but with a cold-seller. It is emphatically "high-pressure" potato growing.

5 | A B C of Carp Culture, by Geo. Finley**....** 25

5 | A B C of Strawberry Culture, by T. B. Terry, and A. L. Root. 335 pages; 32 Illustrations**....**

Probably the leading book of the world on strawberries.

New edition, revised and greatly enlarged in 1902. Cloth, $1.25; cloth, by mail, 75¢. We think the book is well worth the money to anybody who grows strawberries even on a small scale. There has been one pleasing thing about all of these books by Terry; and that is, the demand for them has been so great that we have been warning those who order them to expect a long wait before they get them after ten years than when first published.

2 | Celery for Profit, by T. Greene**....** 25

The first really full and complete book on celery culture, at a moderate price, that we have had for years; and the whole thing is made so plain that a schoolboy ought to be able to grow paying crops at once without any assistance except from the book.

8 | Domestic Economy, by I. H. Mayer. M. D.**....** 30

This book was intended to save all the money that housewives can save in the family, and the whole thing is made so plain that a schoolboy ought to be able to make a present of the book. It has 187 pages.

15 | Driiiing For Profit and Draining for %

Wearing, (Publishers' price, 1.00)

This book is written in a simple and evident way. A certain amount of experience has been necessary, but I was told these boxes were the explanation of it. Don’t fail to have a big lot of good manure under each box (see our little book, "Gregory on Squashes"). Prices of these little boxes without glass, in the flat, 15 cts. each; $1.35 for 10, $10.00 per 100. Glass to match, $2.25 per box of 50 square feet. There are about 90 lights in a box.