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Do not assume content reflects current scientific knowledge, policies, or practices.
Seeds of new or rare vegetables and novelties we include at the uniform price of 5 cents per package; but, of course, we are obliged to put a smaller number of seeds into each package. This will be noticed with the Cauliflower, Chinese Cabbage, Spinach, Lettuce, and Curled Endive. Asparagus, Marrow, Southern, and Northern New, are sent in the original packages, and are always shipped postpaid, unless otherwise ordered.

Our Warrant on All the Seeds We Sell.

Now, friends, this is a somewhat difficult matter; but I feel free to say, at the outset, that we guarantee the contents of the packages to be what they are labeled, and seeds to be fresh, either our own raising, or purchased of some one having a good reputation, who makes seed-growing a specialty; that is, we warranty to you that the seeds do not seem to be as represented, we will replace them free of charge; but we can under no circumstances undertake to guarantee a crop, nor can we be responsible for the failure of said crop. The matter is so complex, and there are so many circumstances contributing to make success or failure, that I am obliged to put in this latter clause. If the seeds are not accepted with this understanding, we prefer they should be returned. We are practical market gardeners, and are sowing the seeds we sell, nearly every day in the year. If there is any fault with them, we are usually one of the first to find it out.

**ASPARAGUS.**

**Asparagus.** Palmetto. Oz. 5c; lb. 60c.

Asparagus. We have given this new variety a trial beside the Colossal, and it is certainly a stronger and more robust plant.

**Asparagus Roots.** 2 years old. Palmetto, 10 for 10c; 50c per 100; $1.00 per 1000. By mail, add 5c for 10, or 25c per 100.

**BUSH BEANS.**

**Henderson’s New Bush Lima Bean.** 1/2 pt. 10c; qt. 35c; peck, $2.25; bushel, $8.50.

In our catalogues for 1889 we pronounced this the most important novelty for 1889. It is a good bush lima bean, only that it is much smaller than the pole lima; and is certainly a valuable acquisition to many who can not well go to the time and expense of providing poles. It is exceedingly prolific, each stalk and stem bearing from 50 to 100 pods, under good cultivation. The extra trouble of picking and shelling, in order to get them ready for the table, is the only drawback.

**Kummer’s Bush Lima.** 1/2 pt. 25c; qt. 75c.

**Burpee’s Bush Lima.** 1/2 pt. 25c; qt. 75c.

A full-sized bush lima bean, equal in every respect to the pole lima.

**Kidney Wax.** Pt. 15; pk. $1.50.

This is an improvement on the ordinary Golden Wax Bean, in giving us larger pods, more perfectly free from rust. This bean is a decided acquisition.

**White Kidney. Large.** Pt. 10c; pk. $1.25. Bu., $4.50.

One of the best to use shelled, when green or ripe. We sell bundles of these at 10c a pint, shelled green. We market them in new pint strawberry-boxes.

**York State Marrow.** The best field bean. Pint, 10c; peck, $1.00; bushel, $3.50.

**POLE BEANS.**

**Extra-Early Lima Beans.** These are fully equal to the old lima lima, and are fully as productive, and from ten days to two weeks earlier. We sell in small quantities. Price, 3¢. Pint, 35c; peck, $2.00.

**King of the Garden Lima.** 1/2 pt. 10c; qt. 30c; pk. $3.00.

These are fully as good as the common lima, and the pods are considerably larger, saving time in picking and shelling, as well as increasing the yield. We give 15 cents per pint for these, when green, shelled. See White Kidney bean above.

All of our beans will be furnished in 5-cent packages; but where they are to be go by mail, postpaid, of course the above packages will have to be quite small. If wanted by mail, add 5c per pt. or 15c per qt. for postage.

**BEETS.**

**Eclipse.** Oz. 5c; lb. 10c; 5 lbs. $1.50.

These have given us the best satisfaction of any thing we ever raised in the way of beets. They are a very quick grower, of excellent quality, and the appearance of the bright smooth scarlet bulbs is fully equal to any thing that has been pictured in the colored plates of our catalogues. In order to get a fancy price for them, start them in the greenhouse, and transplant when of the size of peas, or a little larger. They bear transplanting well, and are exceedingly hardy.

**Lance’s Improved Sugar.** Oz. 5c; lb. 25c; 5 lbs. $1.00.

The best variety for stock-feeding. It showed a larger per cent of sugar at the Experiment Station than any other analyzed. It is so sweet, that when small, they are nice to eat raw, and make an excellent table beet. Has yielded as high as 8 tons to the acre.

**Long Red Mangold.** Oz. 5c; lb. 25c; 5 lbs. $1.00. Yields enormously, and is the most profitable for stock, but not so sweet as Lance’s improved. Seed is of our own raising, from selected roots.

**CABBAGE.**

**Select, Very Early Jersey Wakefield.** Stock seed. Oz. 20c; lb. $2.50.

Our cabbage seed is raised by H. A. March, Fidalgo Bay, near Puget Sound, Washington Territory. Thousands of sample packages of these were sent out by us, and friend March’s seeds ought to be pretty well known. The Early Jersey Wakefield, of the best selected strain, is fully as early as any other cabbage known, and greatly superior in quality. We have sold single heads at retail at 30c each, raised from plants started in the greenhouse in February.

**Henderson’s Early Summer.** Oz. 20c; lb. $2.50.

This comes next to the Jersey Wakefield, and although it is an early cabbage, under very favorable conditions it produces large heads of most excellent quality.

**Hoselton’s Brussels.** Oz. 5c; lb. $1.50; $8.00.

This is one of the old staple varieties, and is perhaps planted as extensively as any one variety, from medium to late season. Starts a long time without bursting.

**Excelsior Flat Dutch.** Oz. 15c; lb. $1.50.

 Pronounced by Brill the best Late Cabbage. This has given us the finest heads of LARGEST CABBAGE we have ever grown.
Perfection Drumhead Savoy. Oz. 15c; lb. $2.00.

The Savoy cabbage is handsome in appearance, and richer and finer in quality and size than most better, than any of the other varieties. In taste it nearly approaches the cauliflower.

Large Red Drumhead. Oz. 15c; lb. $2.00.

This is a red cabbage for pickling. The bright red, by way of being the color of a kind of cabbage, it is superior and beautiful in appearance, a strong grower, very tender and crisp. This variety is largely used in roasting this kind of lettuce for market, in the neighborhood of Grand Rapids, Mich. For further particulars, see our book, "What to Do, etc."

Boston Market (or White-seeded Tennis-ball). Oz. 10c; lb. $1.10.

The best variety of head lettuce for greenhouse culture, as the heads are small, but compact and handsome.

Henderson's New York. 5c; lb. 60c.

We consider this the best head lettuce for outdoor culture known.

**CARROTS.**

Early French. Oz. 15c; lb. 60c.

These are small, but very early, and often bring a good price, because they are the first that make their appearance in the market, being raised in small quantities, and are very taking in appearance.

Oregon Early Half-Long. Oz. 5c; lb. 60c.

Yields well, and is easy to dig. The best sort known.

**CAULIFLOWER.**

Henderson's Early Snowball. Raised by H. A. March. ¼ oz. 25c; ½ oz. 40c; oz. $1.50.

Some specimens of early cauliflower often bring extravagant prices, and it pays well to start them in the greenhouse, and use hand-glasses to forward them before the hot weather comes on.

**CELERI.**

Henderson's White Plume. Oz. 20c; lb. $2.50.

We place this at the head of the list, and especially for early celery. We often have fine stalks on the market in July, while those of others are finished. The season started by the greenhouse about the middle of January. On account of its self-blooming qualities it is better fitted for early celery than any other.


It is different from all others we have seen, in being not only more dwarf—i.e., shorter, but it is also thicker; in fact, fuller and stouter than even the White Plume. It is rather an early celery, and should be used for forcing purposes.

New Rose. Oz. 30c; lb. $2.25.

Our verdict is, that it not only the hardest and best celery we have ever tried, but when very small, surprisingly large and fine; and the quality, if cooked at once, as soon as it is picked, is very high. The celery that we have.

Cory's Extra Early. Cory's Extra Early, has not proved to be the earliest by any means, but it is the best; the celery is wonderfully tender and fine, and the quality, if cooked at once, as soon as it is picked, is very high. The celery that we have.

Ford's Early Sweet. ½ pt. 8c; qt. 20c; pk. $1.15; bushel, $4.50.

Extra early, very fine, good-sized ears, and exceedingly early.

Late Mammoth Sugar.

This is excellent in quality, and gives ears of mammoth size, and is a wonderfulyielder. Besides this, our strain is the sweetest, the exceptions we have ever grown, and we have tested all the varieties that have been recommended. Our strain has been very large in this corn for 15 years.

Country Gentleman, or Improved Shoepng. This is the same thing as the Ne Plus Ultra, Banana, or Queen of the World. The newest and best variety of large handsome round corn that we have tasted. It is unsurpassed for home use.

**CORN (FOR TABLE USE).**

Corn (except Ford's Early) we sell at 5c per half-pint package; but at this price purchasers must pay the postage, which is 5c for each half-pint. If wanted in large quantities the price will be 15c per quart, 75c per peck, or $2.75 per bushel.

Cory's Extra Early. Cory's Extra Early, has not proved to be the earliest by any means, but it is the best; the celery is wonderfully tender and fine, and the quality, if cooked at once, as soon as it is picked, is very high. The celery that we have.

Ford's Early Sweet. ½ pt. 8c; qt. 20c; pk. $1.15; bushel, $4.50.

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COUNTRY, ORNAMENTAL.

Early Frame. Oz. 5c; lb. 50c.

The earliest earner.

Improved Early White Spine, or Arlington. Oz. 15c; lb. $1.50.

We have for some years, sold Rawson's, grown especially for greenery, and last of all is seen to be little better than the above, while the price is about three times as much.

Green Prolific, or Boston Pickle. Oz. 5c; lb. 50c.

Wonderfully productive; medium size; dark green, tender. It yields very twice as many, pickles as any variety we ever tried.

**LETTUCE.**

Grand Rapids Lettuce. Oz. 15c; pound, $1.75; 5 lbs, $7.50. This seed is from the original, Eugene Davis.

This is the best all-purpose lettuce in cultivation. It has been developed from the Black-seeded Simpson, by some- thing like 30 generations of careful selection for color—very rich, and beautiful in appearance, a strong grower, very tender and crisp. It is one of the latest maturing, and is chiefly used in raising this kind of lettuce for market, in the neighborhood of Grand Rapids, Mich. For further particulars, see our book, "What to Do, etc."

Boston Market (or White-seeded Tennis-ball). Oz. 10c; lb. $1.10.

The best variety of head lettuce for greenhouse culture, as the heads are small, but compact and handsome.

Henderson's New York. 5c; lb. 60c.

We consider this the best head lettuce for outdoor culture known.

**MELONS, MUSK.**

Casaba, or Persian Muskmelon. Oz. 5 cts.; lb. 60c.

A standard variety, of fair size. Last season we had specimens that I called the best melon I ever tasted.

Extra Early Citron. Oz. 15c.

Always profitable because of its extreme earliness.

**BANANA.**

Oz. 5c; lb. 60c.

A standard variety of, fair size. Last season we had specimens that I called the best melon I ever tasted.

**ELMERS, WATER.**

Phinney's Early. Oz. 5c; lb. 60c.

The quality is very good, but the size is not very large.

Landreth's Boss. Oz. 5c; lb. 60c.

A melon that seems to combine more of the good qualities for a large late watermelon than any other.

**ONION.**

Silverskin, or White Portugal. Oz. 25c; lb. $3.00.

A standard variety for pickles, or for handsome bunch onions. Better flavored than the dark-skinned.

Yellow Globe Danvers. Oz. 15c; lb. $2.50; 5 lbs., $1.75 per lb.

A standard large fleshy variety. The best of all to grow from seed. It makes a wonderful difference. However, how the seed is grown has a great deal to do with the shape that others will.

Prize Taker. ¼ oz. 8c; oz. 25c; lb. $3.00.

This is the celebrated onions, or dark-skinned onions, called Spanish onion. Its color is nearly white. It is one of the finest flavor onions grown, and does very well in good culture. In this region it is better to start the seed under glass in January or February; then plant the small onions out in the field as soon as the ground can be worked.

White Victoria. ¼ oz. 10c; oz. 25c; lb. $3.50.

This is the best variety for the acquisition of bunch onions from the fact that the bulb that grows in bunch, is a purely white flesh, and need no peeling at all. If sown tolerably thick, you can pull them by the handful, pull a string around them, sow them in a bucket of water, and they are ready for market. If sown thickly, pick 5 or 6 inches apart, and with the others besides being valuable for bunch onions, when given room and sandy culture, it will also yield Prize Taker's. They are an immense size. I regard them as the handsomest early onion I have seen.

American (Extra Early Pearl). Oz. 25c;¼ lb. $2.50;½ lb. $5.00, Sets per qt., 85c; peck, $2.25. By mail, 10c per quart, 50c per peck, 80c per half bushel.

In September, 1890, Mr. and Mrs. Stokes were so very particular that sets of more than 200 a-set could be planted in the open field in September that I sent them. They came right up, and grew much as and to my great surprise, wintered without any trouble. In the spring they started to grow at once, and made immense green-white. White-seeded onions started for us onions started in the greenhouse had any chance to make an onion of marketable size. We established selling in the streams, which sellable smaller than hen's eggs, and kept on selling until they were three or four inches across. Of course, we got large prices for them at such an unusual time of year. The sets may be put out at any time in September, and we think at any time in October. Providing we get cold weather. This new way of getting early onions has been a success with us ever since then, but they do not give like success in all localities.

**ONION SETS.**

We have these of Yellow Danvers and Silverskin.

Prices of yellow, 30c per quart; $1.50 per peck, or $5 per bushel.

Our seed is the best we can get, and we can not undertake to compete with the cheap foreign-grown seeds.
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peas,
VEGETABLE PLANTS.

These are one of our great specialties, and we are prepared to furnish cabbage, onion, and lettuce plants from the first of March till the first of September; tomato, sweet potato, and pepper plants from the first of April till the first of August.

PRICES AND VARIETIES.

ASPARAGUS ROOTS.
HENDERSON'S PALMETTO roots, 2 yrs. old, 10c for 10; 25c per 100, 100c per 1000. One-year old roots, 50c per 100, or $1.00 per 1000.

HORSE-radish roots.
Price 5c for 10; 25c, 10c; 40c; 100c, $2.00. By mail, 25c per 100 extra.

CABBAGE-PLANTS.
We keep in stock during the months of March, April, May, June, and July, varieties as below:

SELECT VERY EASY JERSEY WAFFLEFIELD, HENDERSON'S EARLY SUMMER, 5c per 10; 100, 50c; 1000, $1.00; 4000, $2.50. During May, June, and July, EXCELLENT FLAT DOTS, of sufficient size to fill 10 to a carton, for 20c. PERFECTION DUMBO HEAD SAVOY CABBAGE, and LARGE RED DRUMHEAD, 8c per 10; 50c per 100, or $5.00 per 1000.

COLD-FRAME CABBAGE-PLANTS.
When we have these they will be double the price of the greenhouse plants. During the present season we have only one kind of cold-frame cabbage-plants; viz., extra selected JERSEY WAFFLEFIELD.

CAULIFLOWER.
We have confined our attention to the one kind—HENDERSON'S EARLY SNOWBALL. Price of plants, 10c for 10; 50c per 100, 100c per 1000. These will be ready in March, April, May, and June.

ONION PLANTS.
I, so far as I know, originated the idea of sending onion-plants by mail and express, and during the spring of 1892 sent out through the post office 100,000, and we have every year increased the number. We found that this method is far better and cheaper than any other, and is the only one which is possible to produce in a seed bed without transplanting. All of the above, except sweet potato and onion plants, will be by price if taken from seed bed.

STEAWBERRIES.
With the multitude of new and exceedingly good berries before us at the present date, it is a very hard matter to make a selection of only a limited number; but, as with garden seeds, I can not consent to cumber myself nor my patrons with a long list of varieties. I am testing most of the new kinds, and I may, perhaps change my list somewhat from time to time, but for the present I have decided to offer for spring planting only the following:

Purple-top White-globe. Oz. 5c; lb. 40c; 5 lbs. $1.50. This turnip has given us the best results of any thing we have tried, the quality seems to be unusually fine for table use, especially when they are cut up as large as fish-sized apples. They grow nearly as quick as any other turnip known, and are very handsome. When washed they are almost as white as egg with a beautiful purple around the top. They are smooth and round.

Yellow Aberdeen. Oz. 5c; lb. 40c. We consider this one the best table turnip known. When peeled it is so yellow that it will sometimes be mistaken for squash.

Bread-stone. Oz. 10c; lb. 60c. This turnip is much superior to any of the Swede turnips for table use, that those who ate them at our lunch-room came to the conclusion that they were not only as good, but better than turnips next year. The flesh is white, and the quality exceedingly rich and delicious.

White Egg. Oz. 5c; lb. 40c. Very slowy and handsome, as well as quite early, and fine quality.
SEEDS OF HONEY-PLANTS

I have for years had dreams of a honey farm, with acres of flowers of different colors, blossoming at different seasons, and keeping the bees away from the stores and groceries when we have a dry spell in the fall. The dream has been partially realized with the Simpson honey-plant, Mollie O. Larson's honey-plant, and others; but turning honey for these for honey alone. Mignonette, catnip, motherwort, borage, gilfoil, and some others, I have tested, but I am quite sure that none of them have ever paid, just for the honey.

We first give a list of the plants that not only yield honey, but are profitable crops for their other products as well. If you have not room enough, he can often induce farmers round about him to do the same by furnishing the seed free, or (where it is possible) pay for the proper amount of the plant. 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 of our apiary. Alaise, white Dutch clover, and Mammoth (or Pea) clover, may be sown in the same. The alaise, generally speaking in the world, is a plant of incredible quantity of honey bearing plant, generally speaking in the world. I am inclined to think that buckwheat (or linden) bears the most honey among all the honey-bearing plants, although it is not generally considered to be equal in quality of honey; for in the honey markets it usually sells for one cent per pound less than clover. We, however, put buckwheat first and clover second.

Buckwheat—One ounce, by mail, 5 cts.; 1 lb. by mail, postpaid, 50 cts. by express or freight, 1 lb., $2.75; 10 lb., $15; 50 lb., $75; bushel, $3.75; bushel, $10.00.

This furnishes not only the best honey of any plant in the world, but it is also the finest plant for seed for cattle, whether hay or pasture, since it has been found that the hay thus made is of a very nutritious character, and the cattle thrive on it as well as any other plant. It is also used to hair honey and for the cultivation, and it grows along the roads, pastures, and all waste places.

White Dutch Clover. Bushel, $10.00; 100 lb. $2.60; 25 lb. $0.87; 10 lb. $0.45. This yields honey late in the season after all other clover is out, and is of very great local importance, but rarely fails to give more or less of a crop, especially where it has been sown for seed or for the other purposes which we have been complaining of the bees not working on it.

Buckwheat, Japanese. Trial packet, 4 ounces; by mail, postpaid, 5 cts.; 1 lb. by mail, postpaid, $1.20; by mail, $1.00 per extra pound. These prices include bag to ship it in. Ten or more bushels, purchasers paying for bags, 10 cts. per bushel.

This differs but little from the ordinary white clover. It has an advantage over all species, lineasum as it will scatter itself, without the aid of the bee, and it grows on the roads, pastures, and all waste places.

Pea, or Mammoth Red Clover. Bushel, $10.00; 100 lb. $2.50; 25 lb. $0.85; 10 lb. $0.45; by mail, 90 cts. per lb. extra.

It is the same as the red clover, but is very much earlier in the season, and very much the same, as for clover red clover is, but the seed is saved from the first crop. We know our seed to './be fresh, and free from dangerous weeds.

Rape. Oz. 5 cts.; lb. 10 cts.; or over, 7 1/2 cts. per lb. On orders of $10.00 or more, per lb., 6 1/2 cts. by mail, 9 cts. extra per lb. We offer the rape because it is the only oilseed which can be grown in a dry soil, and because it is a great honey producer. On our grounds it stands winter without injury, and we have found the result of it at a depth of several feet. We furnish purchasers a little circular in regard to its cultivation.

Raspberry. Price of plants: 10, 40 cts.; 100, $2.50; 500, $7.50; for 500, mail, add 5 cts. for 1, 25 cts. for 25, 9 cts. per extra plant. Raspberry plants, and the Palmer is probably as good as any, and the standard for the best. If you think of growing raspberries, order now.

Borage. Oz. 10 cts.; lb. 75 cts.; if ordered by mail, and add 10 cts. per lb. extra. A hardy, strongly growing plant, bearing a profusion of blue flowers. It is so hardy it may be grown any time, but will, perhaps, succeed best, about corn planting time. As it grows tall and flowers before the black bug is likely to be seen, it has a very early start, and I know that bees are very busy on it, all the day long, from July and August, and I doubt if there is one acre of it that I have not put there without a profit. It is very easy to raise, and it grows very easily from seed, and when you get a nice crop of fall bloom, they say, that it is used as a salad, or cooked as a vegetable.

Catnip. Oz. 10 cts.; lb. $1. If ordered by mail, and add 10 cts. per extra plant. This has been very much talked about, and we have record of some experiments with an acre or more; but, if I am correct, no one in our office has got a patch of it. I think it will make a very good honey plant, if you wish to try, we can furnish you good seed, that we have tested ourselves, and know it to be very profitable.

Dandelions. Package 5 oz.: 50 cts. I presume everybody can get dandelion seeds and roots without buying them, but for all that, I have much faith in an acre of cultivated dandelions. French thick-leaved is superior for "greens," and by the way our bees take our patch of it, 1892. It is a good honey plant, and bears little cups full of honey. It bears honey all the year round from July to October. Very hardy, blooms first year, and after that every year. The roots which are left to winter, will make a beautiful honey bearing plant, and should be ordered by freight with other goods, unless they are not worst to pay more than the seed is worth in the way of chances.

Alfalfa, or Lucerne. Per bushel, $7.50; 10 bushels, $75.00; 100 bushels, $750.00; per pound, 10 cts. by mail. 9 cts. per lb. added.

This is the great honey-plant of Arizona, Idaho, California, and the Territories. It is raised by irrigation in fields of a thousand acres or more, and has been used for hay, for winter feed, from spring until winter. In fact, quite recently we have had reports of beautiful honey from California, for this plant. In October, 1892, we received from W. K. Ball, Reno, Nevada, a carload of the finest corn honey made from alfalfa, put on this or any other honey, and has, at least partially, succeeded in the Eastern States. In dry seasons it does succeed, but not at a double crop, and not in the same manner, bears the same honey in the Eastern States, but in the West, it is the same. The good honey we have come from alfalfa, is a very common honey to the bee-keepers, and is considered one of the best crops, if well kept.
A great favorite with the bees, and also with those who are raising plants for their bees; but although we have sold considerable of the seed for bee pasturage, I am not sure that any one has ever made it pay in dollars and cents, for the honey alone. The tall varieties seem best suited to the bees, but are not as fragrant. It should be sown in the spring; and as the seed is small, it should have fine clean soil, and be covered lightly. This plant seems to have a rare capacity for standing frost, and bees may often be seen busy upon it clear into October.

**Mustard.** Common (either white or black), lb. 25c; oz. 10c. Add 10c per lb., if to be sent by mail.

The honey from this is said to be very light, equal to any in flavor, and to command the highest price in the market.

**Portulaca.** 50¢ per package.

Best mixed. A bed of portulaca, say a rod square, will show more bees in the working season, for the area, than any other plant I know of; furthermore, a bed of mixed portulaca, equivalent to a square rod, makes one of the handsomest, if not the handsomest of sights, when in full bloom, the whole floral kingdom affords. It does not seem to me that any bee-keeper ought to be without a bed; and I might also say, no lover of flowers can well afford to forgo the gorgeous spectacle of a bed of mixed portulaca, especially when the seed is only 3 cents a paper. One paper will cover a square rod or ground nicely. You may lay out artistic beds and walks, if you choose.

**Rocky Mountain Bee-plant Cleome integrifo-lia.** Per lb. $1.25, postage 10c extra; oz. 50c.

This is closely connected with the noted Spider plant (C munéra), these two being the only species of the Cleome with us. It is much inferior to the Spider plant as a honey-producer. We have reports from some localities of its yielding quantities of honey, hence quite a demand for the seed is the result.

**Sage, White** (Salvia argentea). Oz. 35¢; lb. $4.

Is called the honey-plant of California, and belongs to the Leguminosae family, the same as Rosemary, Balìn, Rose- hound, etc.

**Sweet Clover** (*Melilotus alba*, or *Melilot*). Per lb. 15¢; 10 lbs. $1.50; 100 lbs. $12; if wanted by mail, add 10c for postage. This is sold with the hulls on; the Bokhara is hulled.

This has some valuable traits, as standing frost and drought, but many times and seasons, the bee will hardly notice it at all. About four pounds of seed are needed for an acre. Sow like Alfalfa. It will grow on almost any barren hillside, but it is a bad weed to exterminate; if, however, it is mown down to prevent seeding, the roots will soon die out. Sow in spring or fall. In the vicinity of Salt Lake, Utah, sweet clover is grown on the prairies, and the quantity of honey here taken is equal, in my opinion, to any honey in the world. The plant lives through the dry summers in Utah.

**Bokhara Clover** is the same as sweet clover.

**Cörêlea, Bee Clover.** Oz. 10c; lb. 75c; by mail and 10c, for bag and postage.

This latter blossoms in about six weeks after sowing, and bears a small blue flower.

**Italian or Scarlet Clover** (*T. incarnatum*).

Introduced from Italy and France. The flowers are most beautiful, much resembling a large luscious strawberry blossom first. Prices: lb. 15c; peck, $2.60; ¼ bush. 3.30; bushel 10 lucks., $7.30.

**Sundlower, Mammoth Russian.** Oz. 5c; lb. 10c. and over, 8c; 100 lbs., 75c; if wanted by mail, add 10c for bag and postage.

This plant is visited by the bee in great numbers in some localities, while in others it is scarcely noticed; but, as the seeds usually pay all expenses of cultivation, it holds its place as a honey-plant. The mammoth Russian bears by far the largest blossoms, as well as the largest seeds.

**Spider Plant.** Package 5c; oz. 25c; lb. §. Postage 10c per lb, extra.

This plant, under favorable circumstances, yields more honey than any other plant I have seen, in the whole kingdom, and if I were to work the plant for its honey only, I would water the soil down to a depth of a foot, and have the soil well stocked with organic matter. It is interesting and attractive, and is well adapted for the small garden. It is a most valuable and easily managed plant. It has been planted in many homes for the honey it bears, and the flowers are beautiful, in the right season.

**Seven-top Turnip.** Oz. 5c; lb. 35c; 10 lbs. $3.00.

If wanted by mail, 10c per lb. extra.

This plant, although not equal to the Spider plant and the Simpson honey-plant, is entitled to a place next to them, because it bears a crop of honey in the spring, between fruit blossoms and clover. It should be sown in April and May. It grows as well under hotbed treatment, but only foliage that is used for greens. Excellent for ploving under.

**Yellow Trefoil** (*Medicago lupulina*).

A weed or pasture plant, in some fields, and in some places, even a good green when it is young.

**Erysimum** (False Wall Flower).

Belongs to the Cruciferae or Mustard family, and comprises but three species.

**Sprìng Vetches or Tares** (*Vicia sativa*).

Seems to be a cross between the Pea and Clover, partaking of the peculiarities of each, and belongs to the same family, Leguminose. Does not yield honey with us.

Any of the above seeds will be sent in 5¢ packages, to those who would like just a few to try.

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**TOOLS FOR UNDERDRAINING, ETC.**

Prices of above tools: No. 1, $1.00. Nos. 6 and 7, two qualities; good, steel, common run, 75¢ each; extra quality in both steel and finish, $1.00 each. All the rest of the tools shown above, we sell at the uniform prices of 75¢, except No. 8, which is 50¢ only. For full particulars in regard to the use of these tools, and manner of using, see Prof. Chamberlain’s book on Tile Drainage, the last page.
MOSS FOR PACKING PLANTS AND STARTING SEEDS.

By taking a very large stock we are enabled to offer the nicest sorts at the extremely low price of 25c per bundle. This is packed in two half-bushel baskets that would cost you 10 cents, leaving the moss only 15c, or we will send you a peck postpaid for 25c. This is ready to use for packing purposes, but if you want to use it for sowing seeds you must get it real dry, so the fibers are brittle and will break fine, either by stirring it or rubbing it between the hands. We can furnish it all nicely sifted ready for use for 30c per quart postpaid. You can often save several times the cost of a quart in starting a single packet of celery seed.

TRANPLANTING TUBES.

We use these particularly for putting out strawberry-plants in very dry weather; but they may be used for any sort of vegetable plants. By their use I can put out a thousand strawberry-plants, and not have one fall; and I will do it during the very driest time in July and August. Where it is necessary to get as many plants as possible of some choice variety, these tubes are a very great help. Set them over the plants; then put your foot on the tip of the tube, and crown it down into the ground about half its depth. Lift it up—plant, earth, and all; throw it into the wheelbarrow, or wire it to your morning prepared ground. Set the plants down just a little deeper than they stood originally. When this is done, fill each tube with water; and, as soon as the water has sunk down, set all the plants in them. The plant will spread its leaves, and the earth will settle around the plant. We have found that this is a great advantage, as the plant will come to the surface and send it down ahead, just as if it were planted in the garden. This is a very large advantage in transplanting, as it is a great time-saver, and makes the work much less compass. In this shape we ship them for $1.00 per 100, or $15.00 per 1000.

NEST OF TRANSPLANTING-TUBES, MADE OF GALVANIZED IRON.

Where you wish to move a whole hill of melons, cucumbers, or squashes, or other large plants, transplanting-tubes made of galvanized iron, large enough to go around a whole hill, are used. To prevent the soil from dropping out, slip a spade or shovel under them while the hill is being moved. We can furnish a nest of these, comprising five different sizes, as shown above, for 50 cts.

GALVANIZED WIRE CLOTH.

Four and eight meshes to the inch. Per sq. ft., 10c; 10 ft., 85c; 100 ft., $7.50. Suitable for outbuildings to carp ponds, give to fruit, etc. By mail, 10c per square foot for postage.

BOXES FOR STARTING SQUASHES, MELONS, CUCUMBERS, ETC.

During my visit to Arlington, in July, 1888, I noticed that Boston Market squashes had a plan for getting Boston Market squashes on the market very early. It is by means of the boxes shown in the adjoining cut. These, as you notice, are made so as to nest one on the other, occupying but little room when stored away, or drawn out on the wagon. An 8x10 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 the boxes will do good service in forwarding squashes, melons, and cucumbers. After all danger of frost is past, the glass may be drawn out, but the box is left on, as a protection against bugs. If the bugs are very bad, we bury our box, or the strips of cheese cloth. The striped bug will crawl through mosquito bar. As the glass is 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. This is a very nice way to see squash-vines 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, 10 cts. each; 50 cts. for 10; $1.50 for 100. Glass to be added 10c per box, 100 cts. per 1000. There are about 900 lights in a box.

WOOD AND WIRE.

THE BUG-PROTECTOR, AND HOW TO MAKE IT.

After the season of frost is passed, we prefer, for a bug-protector, the wire-cloth wire of the above. They are made of pieces of wire-cloth 18 inches square, and the wooden form on the left of the cut shows how they are made. We can furnish these made up, for 7 cts. each; 63 cts. for 10; $5.00 for 100. Smaller sizes, for single plants, 4 cts. each; 8 cts. for 10; or $3.50 for 100. Small ones can be sent by mail in lots of 10, at 25 cts. for postage on the 10.

PAPER SEED-BAGS.

Large size, to hold ounces, $1.50 per 1000, or 20 cts. per 100. Medium size, to hold ordinary packets, $1.35 per 1000, or 18 cts. per 100. Small size, for very expensive seeds, $1.15 per 1000, on order. When wanted by mail, add for postage, 5, 8, and 10 cts. per 100 respectively. The same printed to order (not to exceed 50 words), 25 cts. per 100, or $1.00 per 1000.

PYRETHRUM ROSEUM.

(Persian Insect-Powder.)

This is not only a pretty plant for the flower garden, but it is a very good one to kill all sorts of small insects, laying them out dead in even a few minutes, of any thing we have ever got hold of. It will also kill the green fly in greenhouses. We have used it in the insect-powder boxes, shown below, but a very little of the powder is required.

INSECT-POWDER BELLOWS: PRICE $1.00; SIZE 6X8 INCHES.

With the above instrument 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 sizes, 5 cts.; 1/4 lb., 15 cts.; 1 lb., 40 cts.; 10 lbs., $3.25. Price of the seeds, one packet, 5 cts.; one ounce, 40 cts.; 1 lb., $5.00. By mail, 18c per lb. extra on powder, and 30c per lb. on the seeds.

TOBACCO DUST.

This is sprinkled over the foliage, and on the ground around lettuce in the greenhouse or on melon and 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, 5 cts. per lb.; 10 lbs., 2 cts.; per lb.; 20 lbs., 2 cts. per lb. 100 lbs., $1.75.
PUTTY-BULB.
For setting glass for greenhouses, for repairing sash, etc. This is a rubber bulb, with nozzle, for running liquid paint along cracks, etc. The case contains half a dozen such bulbs should be without one. Full instructions for use are given. The simple arrangement of the above makes the nearest kind of powder-gun for making cement. It can be had post free. In ordering, please state which you wish for. Price 12 cts; postage 6 cts.

GOODS ESPECIALLY FOR POULTRY RAISERS.

1. A Fine Bone Meal.
Coarsely ground, expressly for poultry. Per lb, 5 cts.; 5 lb. 25 cts.; 10 lb., 23 cts.; per lb; 100 lb., 2 cts.; by the bar of 150 lb., 10 cts. Potash and phosphates have been added to the pure bone meal, care being taken to make it richly greasy as corn: and it not only furnishes materials for egg shell, but it gives them considerable animal matter besides. Excellent for laying hens. It is sure to increase the weight of the chicks. Bone meal ground fine, for gardening purposes same price as the above.

2. Sunflower Seed, Mammoth Russian, per bbl.
10 lb., 50 cts.; 100 lb., 75 cts.

BOOKS ON GARDENING, FARMING, &c.

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

5. Tile Draining, by W. J. Chamberlain** 35
Fully illustrated, containing everything of importance clear up to the present date, viz., methods of laying out and digging ditches, with the illustrations given by Prof. Chamberlain, should alone make the book worth its price. It is not confined to laying ditches, but includes all sorts of roads or more of tile. There is as much science in digging as in the laying, and a great deal more. The work has been well designed, and the plan directed in the book, one man will often do as much as two men without this knowledge. The book embraces every thing connected with the various kinds of tile used in the work, as well as the methods of putting up tile. The arrangement of the first rural books to come from our friends in the South. It tells of a great industry that has been steadily growing for some years past, namely, tomato-growing in the South, to supply the Northern markets. The little book, which is fully illustrated and contains a great deal of information, will be of great assistance to farmers and gardeners in this interesting branch of agriculture.

7. A B C of Potato Culture, New Edition. 35
This has had an enormous sale, and has been reprinted in foreign languages. When we are thoroughly conversant with friend Thomas Henderson's book, we can talk about raising potatoes on a large scale. The work was written by a man who has raised potatoes, and the instructions are precise and complete. It has 122 pages and 37 illustrations.

3. An Egg Farm, Stoddard** 45
No matter whether you raise eggs on a large scale or a small one, you may find Stoddard's book very useful. In it, the author tells how to raise and select, and how to feed the old stock and the new stock of poultry in the most thrifty and economical manner.

6. Farm, Gardening, and Seed Growing. 90
This is by Francis Brill, the veteran seed-grower, and is the only American book on the subject. It tells how the seed-growers raise the produce from seed to market.

8. Our Evergreens, by B. T. Rerry** 20
In which he tells how we have made a run-down farm boil over. It is a large book, 8½ inches, 307 pages, quite fully illustrated. It is Terry's first large book; and while it touches on the subject of evergreens, with which he is thoroughly familiar, it is different so that no one will complain of repetition. It has been much referred to as the best and most practical book on evergreens in the world. The author has given us excellent directions for raising and planting evergreens. His name is well known in the trade, and his book is one that all who are interested in the subject should have in their libraries. If ordered by express or freight with other goods, 10 cts.

2. Rats: How to Kill Them and other Pests of like Character.*** 15
This little book ought to be worth dollars instead of the few cents it costs. Any one who has ever been troubled with these pests, and who has not! It is written in such a happy vein that you cannot stop reading it until you have finished it. It contains useful hints that you will just about as soon as they get hold of it. It contains a complete summary of the best information the world can furnish. Price 5 cts.; postage 2 cts.

12. Gardening for Profit, New Edition. 1 85
This is a book of power, and especially valuable at the present time. Nothing that has ever before been put in print has done so much toward making market-gardening a science and a fashion. The author, a gentleman of high standing in the business, emphasizes the special point in view of making money out of it. I think most of you will need this if you get "Gardening for Profit." This book has done much toward elevating the standard of gardeners. A great many thousands of dollars have been made in the last two years by following the author's instructions, and it seems to me that it ought to make your life more interesting than ever before.

11. Gardening for Pleasure, Henderson. 1 40
While "Gardening for Profit" is written with a view of making market-gardening a science and a fashion, "Gardening for Pleasure" takes up this matter of beautifying your own garden as a matter of pleasure. The work was written especially with an eye to bring out the subject in all its essential points. The book is illustrated by the most beautiful and shocking illustrations of plants and flowers, and by arrangements of flowers. From the point of view of the gardener, it is one of the most perfect books ever published, and the pleasure it affords will be in proportion to the amount of time you spend in it.

10. Gardening for Young and Old, Harris** 90
This is Joseph Harris' best and happiest effort. Although it goes over the same ground occupied by Peter Henderson, it is particularly useful for the woman who is preparing her garden; and this matter of adapting it to her is where Mr. Henderson's work is most defective. In the present instance, he has taken the best of both, and it is almost as easy to read as a novel. The book is written in a happy vein. If your children have any sort of fancy for gardening it will pay you to make them a present of the book. It has 184 pages and 46 engravings.

5. Gregory on Cabzabes: paper. 25
Gregory on Onions: paper. 25
These three books, by our friend Gregory, are all valuable. The one on onions is almost perfect, and the other, on cabzabes, is almost as good. I mention them both here, as they are written by one man, and Mr. Gregory is one of the most thorough and practical gardeners we have.

1. How to Grow Fruit, by J. S. Treadwell. 1 25
This is a new book, just out, and it gives the most explicit and full directions for growing fruit under glass. He has written it in a very happy vein, and it seems to me that it will be the first book of its kind and its time. It has 184 pages and 46 engravings.

19. The New Agriculture, or the Waters Led Captive. 4 00
This book is a very fine one, and has been read by many thousands of farmers for four years ago, and while father Cole's bright visions have not all been realized, I think it is one of the most practical and important books ever written in this line of agriculture. The author is a man of high standing in the trade, and his book is one that every farmer should read. It is a book of power, and especially valuable at the present time. Nothing that has ever before been put in print has done so much toward making market-gardening a science and a fashion. The work was written especially with an eye to bring out the subject in all its essential points. The book is illustrated by the most beautiful and shocking illustrations of plants and flowers, and by arrangements of flowers. From the point of view of the gardener, it is one of the most perfect books ever published, and the pleasure it affords will be in proportion to the amount of time you spend in it.

10. What to Do, and How to Be Happy. 75
The above book is intended to solve the problem of finding occupation for those who are scattered around the country. The suggestions are particularly about finding employment around your own homes. The book is principally written on the subject of gardening, and if planted in the right place, I think it will be worth the price, not only to those out of employment, but to any one who loves home and rural industries. Price in paper covers, 30 cts. Eight cents extra by mail.

A. I. ROOT, Medina, O.