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ANNUAL CATALOGUE

Church's Seed
Store

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915 First Ave., Spokane, Wash.

HEADQUARTERS FOR NORTHERN SEEDS

Church's Seed Store

SPOKANE, WASH.

To Our Customers:

We take pleasure, herewith, in presenting you our 1910 catalogue and should be pleased to have you favor us with your esteemed orders, which shall have our best and prompt attention. The fact that our retail and wholesale trade has been increasing so rapidly, clearly demonstrates that the Dealers as well as the Planters show their appreciation of our seeds.

We do not come out with flaring headlines and illustrations of so-called New Creations in the plant line, as nine times out of ten they are only old-timers dressed up in new clothes. We offer you tried varieties, adapted for this country, which we are sure will meet all the requirements and please the most critical.

With the season's best wishes, and trusting to be favored with your orders, we remain

Very truly yours,
CHURCH'S SEED STORE.

How to Order and Terms of Business

OUR TERMS ARE STRICTLY CASH WITH THE ORDER. We do not send C. O. D., as the cost of collecting return charges is quite an unnecessary item of expense and, the prices being given, we can conceive of no necessity to warrant goods being so sent.

HOW TO SEND MONEY. Remittances may be made at our risk by any of the following methods, viz.: **Postal Money Order, Draft on New York or Chicago, or Express Company's Money Order.**

The rates charged for Postal Money Orders and Express Money Orders are now so low that these are the best ways to remit.

FREE OF POSTAGE OR EXPRESS CHARGES. **Packets, Ounces, Two Ounces, Quarter Pounds or Pounds,** ordered at list price, will be sent free by mail or express.

Customers ordering enough for a freight shipment, 100 pounds or more, or desiring to pay their own express charges, may deduct 10 cents per pound from prices of this catalogue on all seeds quoted by the pound or less.

PREPAID STATIONS. Many small railroad stations are prepaid stations, and the railroads will not accept freight for such points unless charges are fully prepaid. It will save delay if you ascertain if your station is a prepaid one before sending your order and include enough money to cover freight charges if it is.

IF SHIPMENTS DO NOT ARRIVE promptly after being notified by us, please advise, and we will have them traced at once.

MISTAKES. In executing thousands of orders it is impossible to avoid some errors, and we want our patrons to notify us promptly if any error occurs that we may rectify with the least possible delay.

NAME AND ADDRESS SHOULD ALWAYS BE GIVEN. We frequently receive letters containing money orders, which we cannot fill because the sender has failed to sign his name or the P. O. address is omitted and the post mark being blurred, we are unable to fill the order, no matter how much we desire to do so. Use our blank and signing your name, and you will have no cause to censure us.

GUARANTEE. Complaints made that seeds are not good should quite as often be attributed to other causes as to the quality of the seeds. There are hundreds of contingencies continually arising to prevent the best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as or before they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. For the above reasons it is impracticable to guarantee seeds under all circumstances.

We give no warranty, express or implied, as to description, purity, productiveness, or any matter of any seeds we send out, and we 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.

CHURCH'S SEED STORE

SPOKANE, WASH.

List of Standard Vegetable Seeds

WITH

General Directions for Cultivation Beans

ARTICHOKE SEED

CULTURE—Sow in April in rich soil and transplant the following spring to permanent beds (in rows or hills) three feet apart and two feet between the plants. Green Artichoke only gives a partial crop the first season, but the beds will be bearing for years. Protect in winter by a covering of leaves or coarse manure.

GREEN GLOBE—Grown for the unripe flower heads, which are highly esteemed by epicures. Large pkg., 10c.

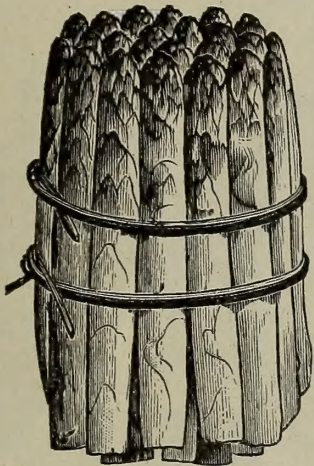
ARTICHOKE TUBERS

ARTICHOKE TUBERS—Planted and cultivated the same as potatoes. Of great value for feeding stock. They are the best hog feed known. They are remarkable for their fattening properties, great productiveness (over one thousand bushels having been raised on one acre) and ease with which they can be grown. If hogs are turned in on them they will help themselves by rooting. One lb., post-paid, 15c; 100 lbs., \$2.50.

ASPARAGUS SEED

One ounce will sow 50 feet of drill.

CULTURE—Sow early in spring in rows one foot apart; when one year old the roots may be taken up and transplanted in permanent beds, which should be made by taking out the soil to a depth of about 16 inches, fill in with 6 inches well-rotted stable manure, then 6 inches of soil somewhat firmed, and place the roots on the same about 10 inches apart with the roots well spread out and cover so that the crown will be about four inches below the surface. Keep the surface well raked to keep down the weeds until the shoots start.



PALMETTO—This variety is of southern origin, very desirable on account of its earliness, bright green color, presenting an attractive appearance, excellent flavor and productiveness. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

COLUMBIAN MAMMOTH WHITE—A newer, distinct and valuable variety. The stalks are white, of the largest size; very productive and early. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

CONOVER'S COLOSSAL—A standard sort; quality first class, spreads less than other sorts. Yields from 15 to 30 sprouts from a single plant. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

BARR'S MAMMOTH—A favorite with market gardeners. Shoots very large, tender, quick growing, and thick to the top. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

In ordering by mail add 10c per lb, for postage. Prices in quantity on request.

CULTURE—Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart, and the rows eighteen inches apart. For field culture, make the rows three or three and one-half feet apart, and cover with two inches mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop.

Wax Pod Varieties

IMPROVED GOLDEN WAX BEAN—This is the favorite early wax variety, more largely used than any other. The pods are yellow, stringless, large and handsome. Very productive. Large pkt., 5c; lb., 15c; 10 lbs., \$1.25.

PROLIFIC BLACK WAX BEAN—A very early wax podded sort; pods round, stringless and of exceptionally delicate and fine quality. Large pkt., 5c; lb., 15c; 10 lb., \$1.25.

WARDWELL'S KIDNEY WAX BEAN—This splendid early variety has a pure wax pod, is entirely stringless, and almost rust-proof, as it holds its pods so high above the ground. Large pkt., 5c; lb., 15c; 10 lbs., \$1.25.



Improved Golden Wax Bean.

Green Pod Varieties

EXTRA EARLY ROUND POD RED VALENTINE—The best green podded, "snap short" bean. The pods are of good quality; this is the most popular of all the green-podded beans. Large Pkt., 5c; lb., 15c; 10 lbs., \$1.25.

NEW STRINGLESS GREEN POD—Long, round, green pods, absolutely stringless; tender, brittle and of finest flavor. While more hardy to withstand frosts, yet it is as tender to cook as any wax pod bean. Early and productive. Pkt., 5c; lb., 20c; 2 lbs., 35c; 10 lbs., \$1.35.

SEND US YOUR ORDERS EARLY AND AVOID DELAY.

(Beans—Continued)**Burpee's Bush Lima**

BURPEE'S BUSH LIMA—The true bush form of the old large Lima Pole Bean. It grows vigorously to a height of 18 to 20 inches, forming a circular bush, two or two and a half feet in diameter, requiring no poles or stakes, yielding from 50 to 150 fine pods, similar in size and quality to those grown on large White Lima Beans. Large pkt., 5c; lb., 20c; 10 lbs., \$1.50.

Pole or Running Beans

LAZY WIFE—The pods are produced in large clusters in great abundance and are from four to five inches in length. Dark green, rather flat but broad, quite thick, fleshy, and entirely stringless, retaining their brittleness until fully developed; of unusually rich flavor. The dry beans are pure white in color; excellent for winter use. Lb., 20c; 10 lbs., \$1.50.

LONDON HORTICULTURAL OR SPECKLED CRANBERRY—Vines moderately vigorous, with large, light colored leaves and purple blossoms; pods short, broad, pale green but becoming streaked with bright red; beans large, ovate, splashed and spotted with wine red, and of the highest quality, either dry or green. Lb., 20c; 10 lbs., \$1.50.

KENTUCKY WONDER (Old Homestead)—Best variety, round and fleshy, they mature quickly and are of first for use in green state. Enormously productive. Lb., 20c; 10 lbs., \$1.50.

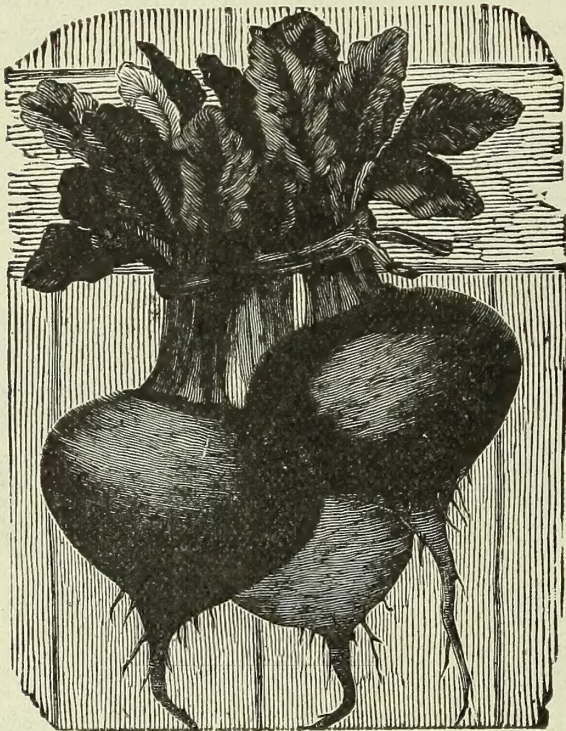
DUTCH CASE KNIFE—Good corn hill bean; very early; pods long and flat; beans, white; used green or dry. Pkt., 10c; lb., 20c; 10 lbs., \$1.50.

NAVY BEANS—Price, per lb., 15c.

LADY WASHINGTON BEANS—Price, per lb., 15c.

BEETS

CULTURE—Sow as early in the spring as the ground can be worked and every two weeks thereafter, up to the middle of July. For general crops sow about the twentieth of May. The soil should be deep, rich and mellow, plowed deep and harrowed until very fine. Drop about one inch deep in drills twelve to eighteen inches apart, and when well up thin to four or six inches. The tops of the young beets can be used for greens. One ounce will sow a sixty-foot drill. Six pounds to the acre.

**Early Blood Turnip**

EXTRA EARLY EGYPTIAN—The earliest sort; turnip-shaped, small, symmetrical, deep blood color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

ECLIPSE—Makes rapid growth; top small, quality fine, larger than Egyptian, but not as deep a red in color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

CRIMSON GLOBE—The finest table beet grown. Early, of medium size, uniformly round, color deep crimson throughout, exceedingly tender and sweet and a good keeper. Oz., 10c; ¼ lb., 20c; lb., 60c.

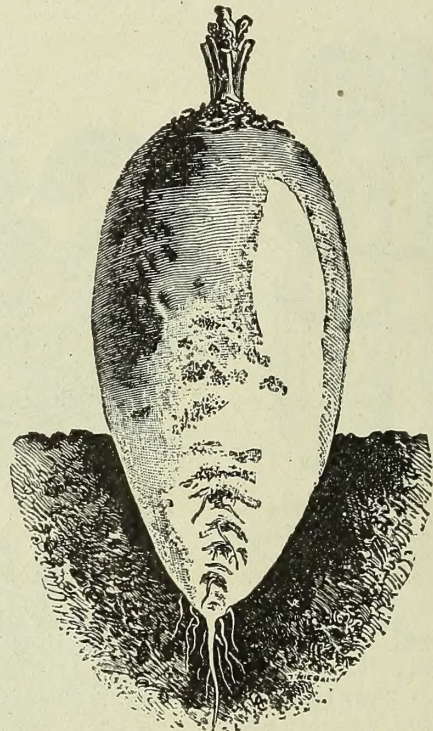
MARKET GARDENER—This new extra early beet is remarkable for its fine quality and rapid growth; is of deep red color and handsome shape, as an early market sort it is unrivaled. It is to a large extent superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table. We have never known a market gardener to try it but who wanted it again. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY BLOOD TURNIP—Roots turnip shaped, deep crimson, tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

IMPROVED HALF LONG BLOOD—An old and popular variety, especially desirable for autumn and winter use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

STOCK BEETS

IMPROVED GOLDEN TANKARD—We have for years insisted that this was the best mangle grown, and each succeeding season strengthens us in the position we took when it was a comparatively unknown sort. We recommend it unqualifiedly as the best mangle by far for dairy farmers. Oz., 10c; ¼ lb., 15c; lb., 40c. Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

**New Mangle, One-Half Sugar**

NEW MANGLE, HALF SUGAR—A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been improved until it yields as much per acre as the best Mangles, and twice as much per acre (bulk of roots) as the rich sugar beet seed; is much easier handled, keeps better and is in every way most valuable to the farmer. Roots large, ovoid in form, very smooth, with few rootlets; light, pink or rose color, with small top. Oz., 10c; ¼ lb., 20c; lb., 45c.

IMPROVED MAMMOTH LONG RED—Our stock is a great improvement on the old variety; the roots are very large, uniformly straight and well formed; color deep red, roots solid and tops small; roots attain a large size, one being exhibited last year which weighed 58 pounds; produce an immense bulk and tonnage. Oz., 10c; ¼ lb., 15c; lb., 40c. Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

(Beets—Continued)**SUGAR BEETS**

LANE'S IMPERIAL SUGAR—An improved variety of the French sugar beet, recommended as being hardier, and as containing more sugar; large and excellent for stock. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

KLEIN WAUZLEBEN—A hardy and earlier grown variety, which is generally acknowledged to be the best to grow for the manufacture of sugar. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 45c.

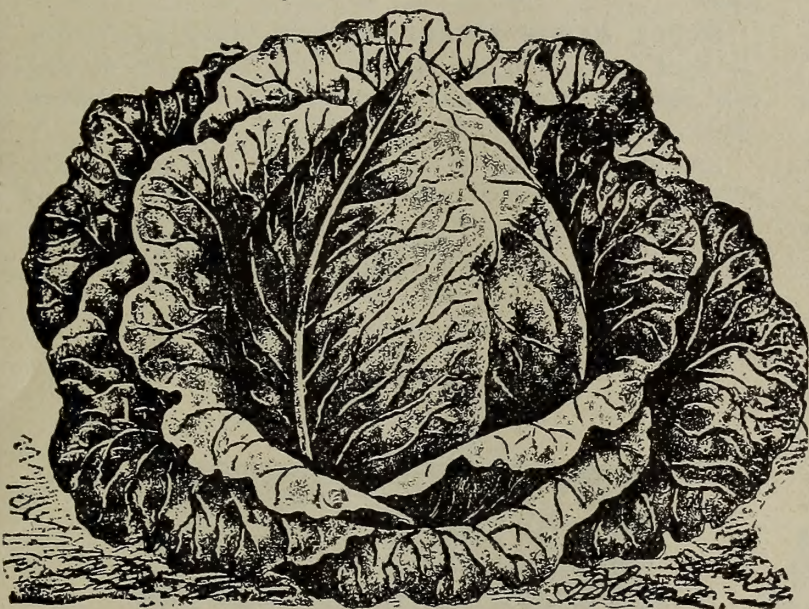
BRUSSELS SPROUTS

Cultivated for the small heads that grow in considerable numbers from the main stem. It is a delicacy much esteemed by some. Sow in seed bed middle of spring and transplant and manage as winter cabbage. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

BROCCOLI

Sow early in spring. Transplant and cultivate the same as cabbage. The Broccoli is similar to the cauliflower. They will produce heads in October and November, and should any plant not be forward enough for use before severe frosts, let them be removed to a light cellar, where they will head during the winter.

LARGE WHITE MAMMOTH—Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Cabbage

Early Jersey Wakefield

CULTURE—For early cabbages sow the seed in a hot-bed in March or April, covering the seed from $\frac{1}{4}$ to $\frac{1}{2}$ an inch deep and, when big enough, transplant to another bed. As soon as the ground is in good condition transplant, outside, in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crop the seed can be sowed in a cold frame, or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of saltpeter dissolved in 3 gallons of water sprinkled over the cabbage or cauliflower will destroy the green worm. The liquid, being clear, does not collect on the cauliflower or cabbage heads. Fine air-slaked lime or tobacco dust, sifted on the young plants, as soon as the fleas appear on the ground, will prevent them from doing any harm. One ounce of seed will produce about 2,000 plants. About 16,000 early or 8,000 late cabbages plant one acre.

First Early Cabbages

EARLY JERSEY WAKEFIELD—The earliest and hardiest heading of extra early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. The thick, stout leaves and compact habit make it the best sort for very early setting. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; lb., \$1.75.

CHARLESTON or LARGE WAKEFIELD—Larger and a little later than the Early Jersey Wakefield, but having the same general shape, except that it is less pointed. A good sort for market gardeners. Pkt., 5c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

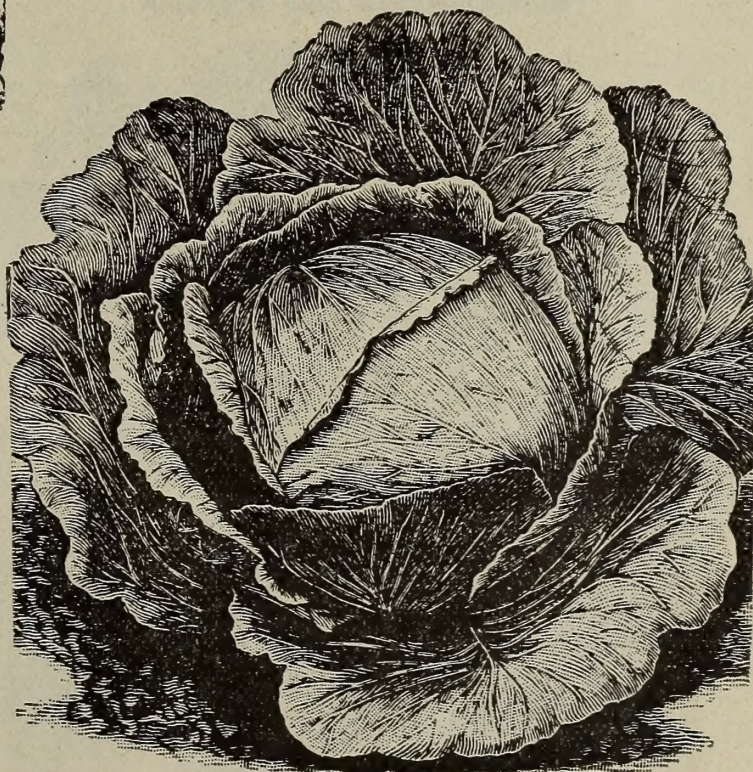
EARLY WINNINGSTADT—A desirable kind, having conical, solid heads; a sure header under almost any conditions, and keeps better than most early varieties. Fine and of excellent quality. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

HENDERSON'S EARLY SUMMER—About ten days later than the Jersey Wakefield. The head is round, and the largest of the early kinds; can be set close in the row as the outer leaves are small. It remains long without bursting; is firm and of the best quality. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

EARLY YORK—Small, but very early; very popular sort. Can be planted close together. Pkt., 5c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

ALL SEASONS—A Drumhead Cabbage as early and every way is good as Early Summer, but yielding heads from a third to a half as large again. This cabbage, while it matures a day or two later in the spring, when planted in July, matures a day or two earlier than Early Summer in the fall, so that it will average as early, while the solid heads are from a third to half as large again. As a rule our earliest cabbages are only good as early cabbages, being too small for late, or too small and too thin to be kept over winter; but the heads of this cabbage being large and also thick through, make it a most excellent variety either for extreme early or for fall or spring market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

ALL-HEAD EARLY—It is among the earliest of the large cabbages. It is fully one-third larger than the Early Summer. The deep flat heads are remarkably solid and uniform in color as well as shape and size. It is very tender and of fine quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Late or Fall Sorts

DANISH BALL HEAD.

(Cabbage—Continued)

HOLLANDER, OR DANISH BALL HEAD—This is one of the hardiest cabbages in cultivation, and endures both frost and drought that would destroy other varieties. Plants very hardy, rather long stemmed, but compact; leaves very smooth, but thick; head of medium size, round and very solid, being the hardiest heading cabbage we know of, and of the very best quality. Matures quite late, keeps well and is considered by many the best cabbage to hold over for spring markets. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

DANISH BALLHEAD, SEED (Imported From Denmark)—Prices, pkgs., 5c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

DANISH ROUNDHEAD (Imported)—Short stemmed, two weeks earlier than above, head round, large, good for winter keeping. Is especially recommended for high and light soil. Prices, pkgs., 5c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

SELECTED LATE FLAT DUTCH—A low-growing variety; heads large, bluish green, round, solid, broad and flat on the top; an excellent fall and winter variety and a good keeper; it is a sure header. Our stock has been grown from carefully selected heads, and we consider it superior to any other strain of Flat Dutch Cabbage on the market. Large pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$1.60.

PREMIUM LATE DRUMHEAD—A sure heading sort, which in good, rich soil will grow to an enormous size and on poorer soils will give good sized heads which are very compact, solid and of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.75.

SUREHEAD—A popular sort for main crop; never fails to form uniformly large, solid heads, which are tender and of fine, sweet flavor. An excellent keeper and a good shipper. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

DRUMHEAD SAVOY—Fine quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

ROCK RED—Best red sort, much used for pickling. Pkt., 50c; oz., 20c; ¼ lb., 75c; lb., \$2.00.

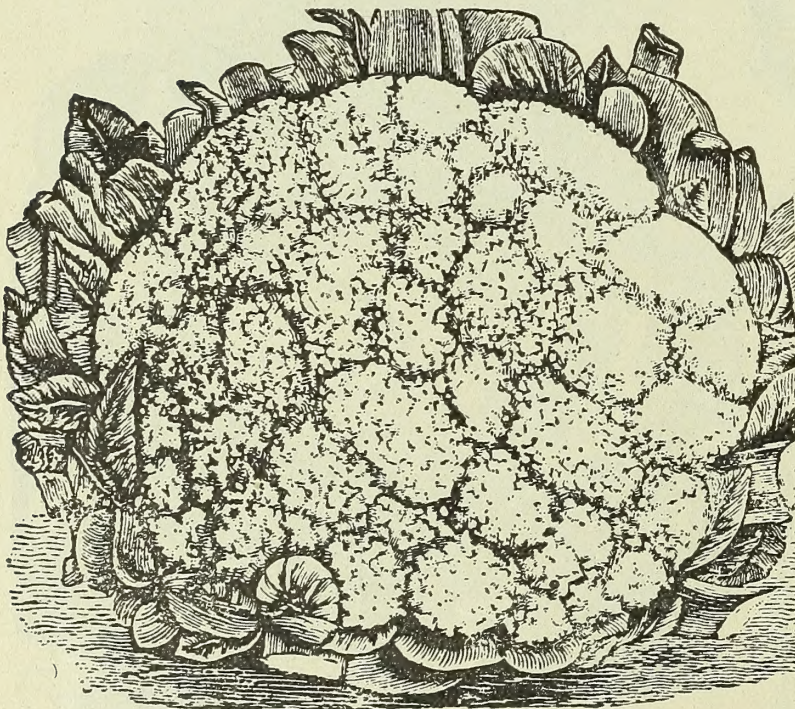
CULTURE—The soil for cauliflower should be like that for cabbage, but is better if made richer than is ordinarily used for that crop. Give the plants thorough culture and keep free from worms with insect powder. For late crop sow at same time as for late cabbage, and treat in the same manner. It should be borne in mind that cauliflower will not head up good in hot, dry weather, and hence the sowings should be so regulated as to bring it to maturity either before the hot summer weather sets in or not until the cooler weather of the fall. If it receives at this time a liberal supply of water, the size and quality of the heads will be greatly improved. After the heads begin to form, draw the leaves over and pin or tie them together to protect the heads from the sun and keep them white. The heads should be cut for use while the "curd" is compact and hard, as they soon become tough and bitter after they open and separate into branches.

EARLY SNOWBALL (Best Imported Strain)—This is an improved extra early strain of dwarf, compact growth. Under favorable circumstances nearly every plant will make a fine, solid head of good size. It is valuable for both early and late. Pkt., 5c; ½ oz., \$1.25; oz., \$2.25; ¼ lb., \$8.00.

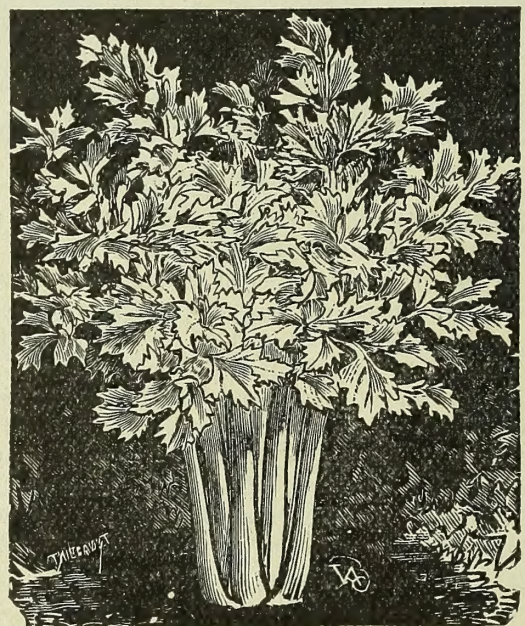
DANISH GIANT OR DRY WEATHER—Large leaved and large flowering with pure white compact heads. For open ground and forcing. Two weeks later than above, when planted at same time. Very resisting against unfavorable seasons and dry weather. Pkt., 10c; ½ oz., \$1.50; oz., \$2.50.

EXTRA EARLY DWARF ERFURT—Very dwarf, sure to head and one of the earliest. The heads are of good size, pure white, very solid, of excellent quality and delicate flavor. Pkt., 10c; oz., \$2.00.

AUTUMN GIANT—A distinct and valuable late variety. The heads are reasonably large, beautifully white, firm and compact, and, being well protected by foliage, remain for a long time fit to use. The plants should be started and transplanted early in the season to insure their full development. Pkt., 5c; oz., 60c; ¼ lb., \$2.00.

Cauliflower

Early Snowball

Celery

White Plume Celery.

SEND US YOUR ORDERS EARLY AND AVOID DELAY.

(Celery—Continued)

CULTURE—One ounce will produce about 3,000 plants and sow about 200 feet of row. Sow in light, rich soil, in shallow drills, and cover the seed lightly with finely sifted mold. Prick the seedling out into beds of very rich soil, 3 inches apart. Water freely and shade from the sun until established. When the plants are 5 to 6 inches high transplant to rows 3 to 4 feet apart, according to the variety, allowing 8 inches between the plants in the row. Cultivate freely and earth up to blanch the stems, pressing the soil firmly around the plant almost to the top, care being taken not to cover the tops of the center shoots. Remember that this crop well repays generous treatment.

WHITE PLUME—A new variety; popular on account of its naturally white leaf stalks, which require less blanching than the other kinds. Tie the tops together and hill up the earth slightly. Its handsome, plume-like top is very ornamental on the table. It is quite early and a fine market sort. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GOLDEN SELF-BLANCHING—A variety somewhat resembling the White Plume, and, like it, requiring but little earthing to secure perfect blanching. It is of a rich, golden tint when ready for the table; very handsome and of excellent quality. Pkt., 5c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

KALAMAZOO—An erect, compact growing variety. Stalks moderately thick and distinctly ribbed, solid, crisp and of excellent quality. Oz., 30c; 2 oz., 55c; ¼ lb., 85c.

GIANT PASCAL—A standard sort for later or winter market; large, fine stalks; when blanched, of a deep golden yellow. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

WINTER QUEEN—It has the strong, robust growth of the Giant Pascal, but the plants being only of medium height are of better length for bunching for market as well as more desirable for serving on the table. Their compact habit makes considerably less labor necessary in earthing up the plants to blanch and the rows can be planted more closely in the field. Of strong, vigorous growth, each plant makes a large number of fine stalks (magnificent large heart of rich golden yellow), which are broad, thick and heavily ribbed. Stored for winter it is an excellent keeper, and when taken out the blanched stalks are firm and crisp; entirely free from strings, brittle and of sweet flavor. Pkt., 5c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.50.

CELERIAC, OR TURNIP-ROOTED—Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad. Pkt., 5c; oz., 20c; ¼ lb., 60c.

Carrots

DANVERS HALF-LONG.

CULTURE—The carrot, like other root crops, delights in a sandy loam, deeply tilled. For early crops, sow in the spring as soon as the ground is in good working order; for late crops they may be sown at any time until the middle of June. Sow in rows, about 15 inches apart, thinning out three inches between plants. One ounce to 150 feet of drill; three lbs. to an acre.

EARLY SCARLET HORN—A very early variety. Recommended for the market and family garden. Texture fine; very delicate in flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

HALF LONG SCARLET NANTES—Top medium, finely divided, dark; roots medium, cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core; finest quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

GUERANDE, OR OX HEART—A thick carrot, five or six inches long and very blunt at the lower extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor, and a variety that we can recommend to all market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CHANTENAY—As a table variety it is first class; in shape it is larger than the Scarlet Horn, and also broader at the shoulder. The flesh is of a beautiful rich orange color and of finest quality. Oz., 10c; ¼ lb., 25c; lb., 80c.

IMPROVED DANVERS HALF LONG—A first-class carrot for all soils; in form midway between the Long Orange and Short Horn. The root is of a rich, dark orange color and grows very smooth and handsome, 20 to 30 tons per acre being not an unusual crop. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG ORANGE IMPROVED—Very desirable for garden or field culture. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

STOCK CARROTS

LARGE WHITE BELGIAN—Grows one-third out of the ground; root pure white, green above ground, with small top; flesh rather coarse; the roots, on light, rich ground, grow to a large size, and are extensively grown for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

MASTADON CARROT—The flesh is white, crisp, solid and very sweet in flavor. It is a vast improvement on the white and green Belgian sorts, which have been favorites in the past, as it is not much more productive, but vastly easier to handle. Oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 70c.

YELLOW GIANT—This new carrot is half long variety, with an immense broad shoulder. The carrot penetrates less than one-half the depth into the ground. The importance of this point should not be overlooked, as it saves about one-half the expense in the harvesting of the crop. The color is a bright yellow, and is perfection for giving the proper color to your butter. Oz., 10c; ¼ lb., 20c; lb., 70c.

Cucumbers

For very early Cucumbers, sow the first of April in a hotbed upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand glasses. For early use, plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill, after



(Cucumbers—Continued)

all danger from insects is over; they succeed best in warm, moist, rich, loamy soil; continue planting at intervals for a succession. The Cucumbers should be gathered when large enough to use, whether required or not; if let to ripen, it destroys their productiveness. For pickles, plant from June until the middle of July.

EARLY CLUSTER—A short, prickly variety; usually grows in clusters. Is a prolific bearer, and, except the Early Russian, is the earliest sort; flavor excellent. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

COOL AND CRISP—A strain of the White Spine, but longer and more cylindrical; very early and exceedingly prolific. While it is esteemed most highly as a pickling sort, it is one of the very best for slicing, being tender, crisp and of fine flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

EARLY SHORT GREEN, OR EARLY FRAME—A vigorous and productive variety, producing fruit of medium size and regular form; flesh crisp and tender; excellent for the table or pickling when small. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

EARLY WHITE SPINE—One of the best sorts for table use; fruiting early and abundantly; fruit uniformly straight and handsome, light green with a few white spines. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

LONG GREEN—A popular variety for pickling and slicing. Large pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

BOSTON PICKLING—This variety is very popular with our gardeners to grow for pickles. Fruit small, smooth, bright green and good quality. A great producer. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

CRESS

A delicate, pungent salad plant, very agreeable alone or mixed with other salads. Entirely distinct from common cress, thriving only where its roots are submerged. Sow the seed thinly along the banks of any shallow stream early in the spring. It will increase rapidly if the conditions are favorable, and reappear every spring with no further attention.

TRUE WATER—Per oz., 30c; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.25.

CRESS, OR PEPPER GRASS—The leaves, when young, have a warm, pungent taste, and are used as a salad, either alone or mixed with other salad plants. The seed germinates quickly and the plants grow rapidly. As they are milder and more tender when young, the seed should be sown at intervals of 10 to 15 days, making the first sowing as soon as the ground can be prepared. May be cut several times.

CURLED—The best garden variety. Per oz., 10c; ¼ lb., 25c; lb., 60c.

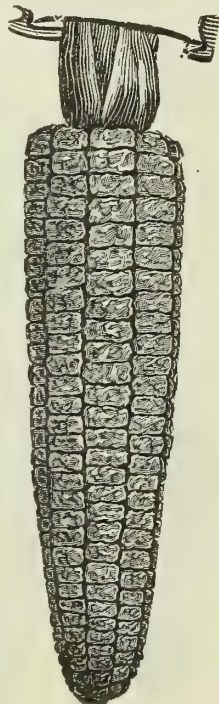
Sweet Corn

In ordering by mail add 10c per lb. for postage. Prices in quantity on request.

CULTURE—All varieties of sweet corn may be either sown in rows, 4½ feet apart, and the seeds planted about eight inches in a row, or planted in hills at a distance of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. Sweet corn should not be planted deeper than one inch to one inch and a half, as it is liable to rot in the ground. Hoe often, drawing the earth against the stems and break off the side shoots. One quart to 300 hills. About one-fourth bushel will plant one acre in drills.

First Early Varieties

PEEP O' DAY NEW SWEET CORN—Ten days earlier than any other; sweet, early, productive. You will not be disappointed in this New Sweet Corn. Recently introduced. Has pleased everyone who has tried it. For flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money maker for the market gardener, and a valuable addition to our list of corn for our short western summers. Lb., 20c; 10 lbs., \$1.50.



GOLD. BANTAM—Of extreme hardiness, this can be planted earlier than any other true sweet corn, and will then produce the earliest supply of ears for the table. Planted later it does not develop so quickly as Early Fordhook or Cory, but is vastly superior in rich, sweet flavor. By repeated plantings, Golden Bantam alone will furnish a constant supply of the finest ears throughout the entire season. The stalks grow from three and one-half to four feet in height and produce one or two good ears on each stalk. The ears are about six inches in length, completely filled with eight rows of golden-yellow grains, extending to the rounded tip. The flavor is exceptionally rich and sugary, "the sweetest of all." Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

EARLY MINNESOTA—A splendid and standard variety; ears are good size, the grains sweet and tender. Lb., 15c; 10 lbs., \$1.25.

WHITE COB CORY—An improvement on the Red Cobbed Cory, as well as being equally early. The ears are larger and it has further advantage of having both a white cob and a white grain. A splendid market garden variety, and excellent for the table. Pkt., 5c; lb., 15c; 10 lbs., \$1.25.

Medium Early Varieties

FERRY'S NEW EARLY EVERGREEN—As is well known, the famous Evergreen Sweet Corn originated over twenty years ago, but while it is the best variety of late sweet corn, no effort has ever been made to improve it in earliness until now. In the New Early Evergreen we have a selection possessing every good quality of Stowell's Evergreen, and resembling it in every respect, except that the stalk is about one foot shorter, more closely jointed, and that it will mature for market ten to fourteen days earlier. It is certainly a valuable addition to the corn list, and we advise our customers to try this variety. Pkt., 5c; lb., 15c; 10 lbs., \$1.25.

CROSBY'S EARLY—An early kind, producing well-filled ears of ten or or twelve rows. It is remarkable sweet and tender, and considered by many superior to all other kinds. Lb., 15c; 10 lbs., \$1.25.

BLACK MEXICAN—The sweetest and most desirable for family use. When dry the kernels are black. The corn is not equaled in tenderness and sweetness by any other sort. Pkt., 5c; lb., 15c; 10 lbs., \$1.25.

Late Varieties

COUNTRY GENTLEMAN—The ears are not only of good size, but are produced in great abundance, one stock frequently bearing four good ears, while the average is three to a stalk. The cob is very small, giving great depth to the kernels, which are of pearly whiteness. But the great merit of the Country Gentleman Corn is its delicious qualities; it is without doubt one of the sweetest and most tender sweet corn, and produces at the same time ears of good size. Lb., 15c; 10 lbs., \$1.25.

STOWELL'S EVERGREEN—The standard main crop variety. Large, well formed ears, deep grained; very sweet and sugary. It is hardy and productive and altogether the best kind for general use. Pkt., 5c; lb., 15c; 10 lbs., \$1.25.

Field Seed Corn

A few years ago very little corn was grown in this country and if anyone had made the assertion that 50 bushels or more of corn would be grown per acre he would have been laughed at. Different parties have told us this year that they had 60 bushels per acre. Through experiments and tests carried on for a number of years, this year I have four varieties of acclimated home grown corn to offer. It has been proven that home grown acclimated corn ripens from two to three weeks earlier than eastern corn. Therefore, if you wish to grow corn to maturity it is essential that you use home production. If you wish an ensilage or fodder corn some of the later Eastern grown varieties produce more per acre. Last year was a poor corn year here and the demand was so great that we were simply unable to fill orders. At the present time the prospects are good for fair quantities of varieties listed, but to insure delivery it is best to place orders early.

Germination

We thoroughly test every lot of corn and on arrival if it does not germinate 94 per cent for field corn and 75 per cent for sweet corn it shall at once be returned at our expense and the money paid for same will be immediately refunded.

[Corn—Continued]



MINNESOTA KING

MINNESOTA KING (Home Grown)
—We regard this corn in some respects as the most valuable early corn for this vicinity. It seems to possess a faculty of growing right along and making a crop during weather and under conditions that would ruin other varieties. In appearance the Minnesota King is remarkably distinct, being a half yellow dent, the kernels are very broad and are a rich golden color. **Lb., 20c; 3 lbs., 50c, postpaid.** By express or freight, **10 lbs., 60c; 100 lbs., \$3.50.**

NORTHWESTERN RED DENT (Home Grown)—This corn is in a class by itself, being a yellow capped Red Dent variety and is one of the most largely grown varieties in North Dakota and Northern Minnesota. It is extremely early and quickly adapts itself to new soil and climatic conditions. **Lb., 20c, postpaid.** By express or freight, **10 lbs. 75c; 100 lbs., \$4.50.**

NORTHWESTERN GOLDEN DENT (Home Grown)—This corn is truly a home product, having been brought up to its present standard by an enterprising farmer in Northern Idaho. Many years ago he brought with him a yellow dent corn which he planted. It proved to be too late a variety and very little matured. The following year he procured a very early golden dent corn and planted a hill of it, then a hill of the yellow dent. The result has been a beautiful Golden Dent that matures and yields well here. **Per lb., 20c, postpaid.** By express or freight, **10 lbs., 75c; 100 lbs., \$4.50.**

NORTHWESTERN WHITE DENT (Home Grown)—This corn has been grown here for a number of years and is, therefore, fully acclimated. It is early, and a good producer. **Per lb., 20c, postpaid.** By express or freight, **10 lbs. 75c; 100 lbs., \$4.50.**

FODDER CORN—Eastern Grown

PRIDE OF THE NORTH (Yellow Dent)—This is a standard early variety of corn in the East but is not sure to mature here, in fact we have been unable to procure any home grown seed. From the fact that it produces a large amount of fodder and being early enough to get in proper condition for ensilage it has taken the lead over all other corns for this purpose. By express or freight, **10 lbs., 60c; 100 lbs., \$3.25.**

CHAMPION WHITE PEARL (Eastern Grown)—This corn is used more extensively in the East than any other kind. It attains a growth of 12 to 14 feet and produces an immense amount of fodder, but from the fact that it is so late here, sometimes hardly forming ears, many dairymen prefer the Pride of the North. **10 lbs., 60c; 100 lbs., \$3.25.**

Pop Corn

WHITE RICE—The best corn for popping and for the general market; early, white pointed kernels. **Lb., 15c; 2 lbs., 25c; 10 lbs., \$1.00.**

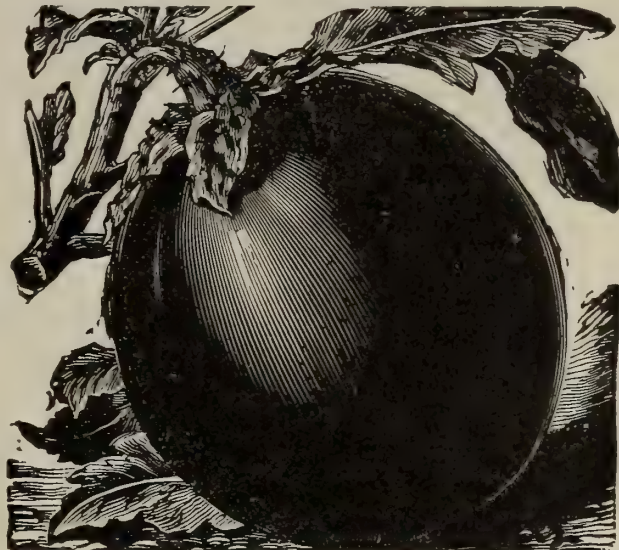
ENDIVE

ENDIVE—A desirable salad when bleached by exclusion from the sun. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

If corn, peas or beans are wanted by mail, add 10c per lb. postage

EGG PLANT

CULTURE—Sow in hotbeds very early in the spring; thin them out as soon as big enough to be handled to 3 or 4 inches each way, and transplant to 2 or 3 feet apart in very rich, warm ground. Do not plant them outside till nights are real warm, as the least frost will, if it does not kill them, check the growth, and it will take two or three weeks before they get over it. Hoe often and hill up gradually till they blossom. One ounce to 1,500 plants.



Improved New York Purple Egg Plant

BLACK BEAUTY—This beautiful egg plant is ten days earlier than the New York Improved. The fruit is broad and thick, of most attractive form and does not fade or change to a lighter color at the blossom end. The fruits set freely and are ready for market early so the crop can be gathered before danger of frost. **Per pkg., 10c; 1 oz., 40c; ¼ lb., \$1.40.**

NEW YORK IMPROVED—This is a standard variety both for market and home garden; a favorite everywhere. Our stock is extra selected direct from the best growers in New Jersey. **Per pkg., 5c; 1 oz., 40c; ¼ lb., \$1.25.**

GOURDS

NEST EGG—The fruits when ripe exactly resemble hen eggs in shape and color, and are much used as nest eggs. It is also an attractive ornamental climber. **Pkt., 5c; oz., 10c.**

DIPPER—Useful for many purposes. The capacity varies from a pint to a quart, with handles six to twelve inches long. **Pkt., 5c; oz., 10c.**

HERCULES' CLUB—A very long sort, very thick and heavy at one end, tapering gradually to the stem. **Pkt., 5c; oz., 10c.**

KOHL-RABI**Or, Turnip-Rooted Cabbage**

The Kohl-Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of each. The edible part is a turnip-shaped bulb, formed by the enlargement of the stem. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

EARLY WHITE VIENNA—The earliest and best for forcing; very tender; excellent for table use. **Pkt., 5c; oz., 20c; lb., 60c.**

KALE OR BORECOLE

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves, that are tender and of excellent flavor. It requires the same treatment as cabbage, and is very hardy, being improved by frost.

TALL GREEN CURLED SCOTCH—Produces an abundance of dark green, curled leaves. Very hardy. The leading variety. **Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c.**

DWARF GREEN CURLED or GERMAN GREENS—A dwarf variety, finer and more compact than the Scotch. Can be sown in the fall, for use early in the spring. **Pkt., 5c; oz., 15c; 2 oz., 20; ¼ lb., 30c.**

Lettuce

CULTURE—The early sowing may be made under glass, in January and February, keeping the plants thin and admitting plenty of air every fine day. For a succession, outside, sow every two weeks as soon as the ground is open, in drills one foot apart, covering the seed about one-quarter of an inch deep and thinning out to 6 or 8 inches in the row. For a cut salad sow thicker and do not thin out. They do best in rich and moist soil. One ounce to 3,000 plants.

IMPROVED HANSON—We have a very fine stock of this variety, and can recommend it as one of the best on our list. It is a fine heading variety of the largest size; solid, sweet, tender and crisp throughout, and entirely free from any bitter taste; for home use one of the best lettuces known. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



DENVER MARKET—It is an early variety of Head Lettuce either for forcing or open ground. It forms large, solid heads of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered and very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of lettuce now grown. The shape of the head resembles somewhat the Hanson, but is more oblong. This stock is grown expressly for gardeners' use. Buy from us and get the true stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

GRAND RAPIDS (Seed Black)—As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being ready to cut. The plant is upright and forms a loose head or cluster of large, bright leaves, slightly crimped and blistered and rather thin. The leaves do not wilt quickly after cutting, so that the variety will stand shipping long distances better than most sorts. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

MAY KING (Seed White)—A large, light green heading lettuce of excellent quality and desirable for growing either under glass or outdoors, where it matures the earliest of any. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

ICEBERG—Has an unusually solid head. The white main ribs of the leaves curve toward the center, which keeps the interior thoroughly bleached. It is quickly growing and always crisp and tender, whether propagated in early spring or in the hot days of summer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

CRISP-AS-ICE—It is a beautiful lettuce of the cabbage type. The solid heads are of great size, and leaves so tender and brittle as to have suggested the name bestowed upon it. The head has a rich, yellow heart. The leaves are thick and glossy, somewhat curled, of a good and attractive green color, variegated with bronze. This lettuce cannot be overestimated or overpraised for home use in spring and summer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

PRIZEHEAD (W. S.)—Large, loose-headed sort, the leaves are tinged with brown, very heavy. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY CURLED SILESIA—One of the best curled varieties, either for forcing or for early sowing out of doors. Very popular with market gardeners and private planters. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

BLACK-SEEDED SIMPSON—Very large, loose heads of curly, golden-yellow leaves, which are thin and tender. It stands summer heat splendidly and is valued for frame culture. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

LEEK

One ounce will sow 100 feet of drill.

LARGE LONDON, OR SCOTCH FLAG—This leek is reported more delicate than the onion for soup, etc. Sown in seed bed middle of spring; when the plants are three or four inches high, transplant them into rows wide enough apart to admit the hoe between them. With good culture they may be grown five or six inches in circumference. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.30.

MUSTARD

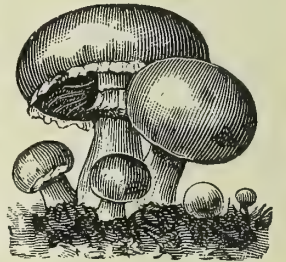
Used alone as "greens" or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.

SOUTHERN GIANT CURLED—We offer a very fine strain of the true curled leaf. Pkt., 5c; oz., 10c; ¼ lb., 60c.

WHITE ENGLISH MUSTARD—Leaves mild and tender when young; seeds yellow. Pkg., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 35c.

MUSHROOM SPAWN

With intelligent care and good spawn, Mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter.



LAMBERT'S PURE CULTURE

—A new kind of spawn, without a doubt the best; much superior to the common english. It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way. White, cream, brown or light brown. Per brick, 35c; postpaid, 45c; by express, not prepaid, 5 bricks, \$1.50.

Illustrated book on Mushroom Culture, containing the latest methods of raising, preserving and cooking mushrooms. 15c, postpaid.

Musk Melon

CULTURE—Musk Melons do best on newly broken sod or prairie land, or on soil prepared by plowing under a crop of rye or wheat in the spring. The seed should not be planted until the soil has become thoroughly warmed, about corn planting time. Plant five or six seeds to the hill in hills four to six feet apart. Rich soil or well rotted manure should be used in the hills; when the plants are of sufficient size, thin out to three vines to the hill. After the vines have grown about a foot long, pinch off the ends; this will cause them to become stronger and to throw out branches.

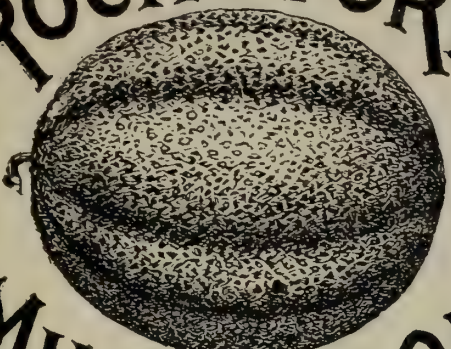
Green-Fleshed Varieties

HACKENSACK EXTRA EARLY IMPROVED—A selection from and an improvement on the old Hackensack, and similar in shape and appearance; nearly as large and fully ten days earlier; one of the finest for market gardeners; quality perfect. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY PROLIFIC NUTMEG—Fruit of medium size, slightly ribbed, globular. Skin dark green, becoming yellow when overripe, and nearly covered with broad, shallow netting. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

BANANA—Melons very slender, and two or three feet long. A very fragrant variety, and if not picked until thoroughly ripe, of very good quality. Its flesh and flavor, as well as its shape, remind one of a great, luscious banana. Pkt., 5c; oz., 25c.

PEACH OR GARDEN LEMON—The fruit is about the size of a large peach, oval shaped and of a bright orange yellow color, somewhat russeted. When it first ripens it is quite hard and has very little flavor, but they soon become mellow, not sweet, and have a rich flavor. For sweet pickles, pies or preserving they are superb. Pkt., 5c; oz., 25c.

THE CELEBRATED
ROCKY FORD

MUSK MELON
 TRUE STOCK

THE ROCKY FORD MUSK MELON—Is a new and most valuable introduction, and has attained in an incredibly short time a national reputation. It is of the Netted Gem type, oval in shape, averaging from four and one-half to five inches in length, of a delicious flavor, very fine and smooth grained flesh, of a light green color throughout when ripe. From the district in which it has been for the past several years so extensively grown, Rocky Ford, Colorado, and from which point these melons are shipped in their season by the carload to nearly every station in the United States, till the name Rocky Ford has become a synonym for excellence in cantaloupes. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$90c.

Salmon-Fleshed Varieties

EMERALD GEM—This is a new variety of excellent quality; it is of medium size. The skin, white-ribbed, is perfectly smooth and of a deep emerald green color. The flesh is thick and of a suffuse salmon color, and ripens to the green rind. It is peculiarly crystalline in appearance, and so very juicy and rich that it almost drops to pieces when dipped out with a spoon. The flavor is very sweet and luscious. The vines are hardy and very prolific, and the melons mature extremely early. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

OSAGE—The great popularity which this melon has attained is due mainly to its peculiar luscious, spicy flavor and its perfect shipping qualities. The skin is very thin, of a dark green color and slightly netted. The flesh is of a salmon color, remarkably sweet, extremely thick, and delicious to the rind. It is also very productive. It is a remarkable keeper, and will stand shipping. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

PAUL ROSE—A new variety. A successful cross between the Osage and Netted Gem. It combines the sweetness of the former with the fine netting of the Gem and is even a better shipper than that variety. The melons grow uniform in shape and size. The flesh is remarkably thick, making the melons very solid and heavy, and of a beautiful salmon or orange color; deliciously sweet and melting. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Rocky Ford Musk Melons are always nice. You make no mistake in growing Rocky Fords.

Water Melon



Phinney's Early.

PHINNEY'S EARLY—Very early, quality good, and while not as sweet as some of the other extra early sorts, is very hardy, and on that account very desirable for culture in sections where the nights are cool. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

KLECKLEY'S SWEETS, OR MONTE CRISTO—We regard this as the finest of all the medium-early watermelons for home use. The rind is too thin and tender to stand long distance shipment. The fruits are uniform. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

HALBERT HONEY—A new, exceedingly sweet and deliciously flavored melon, similar in size and shape to Kleckley's Sweets, but of more regular form and much more productive. It is of handsome, long, oval shape, averaging about 18 inches in length and about 6 inches in diameter. The skin is an attractive, very dark green; the flesh is of a beautiful bright red, extending almost to the outer rind. It is very tender and melting, and entirely free from stringiness. The rind, too, is so thin and brittle that it cracks open very easily and will not stand hauling or shipping long distances. For home use and nearby markets it is unequalled in quality; hardy, early and productive. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.00.

FORDHOOK EARLY—An extra early watermelon of large size. Attain an average weight of 30 pounds. The rind is tough, making it desirable for shipping purposes. Flesh is light red and is very sweet. Oz., 10c; ¼ lb., 25c; lb., 75c.

ICE CREAM OR PEERLESS—One of the best melons in cultivation. Rind thin, light mottled green. Flesh bright scarlet; solid to the center; sweet as honey. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

McIVER'S WONDERFUL SUGAR—This is becoming the most favored melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 pounds each. It is considered one of the handsomest melons ever sent out, being light colored, irregularly striped and mottled with dark green. The rind is rather thin, but tough, so that it is a good shipper. Flesh is delicate light red, entirely stringless and the most tender, juicy and luscious that can be imagined. The vine is a strong, vigorous grower, very prolific and withstands the extremes of weather, either wet or dry. Enthusiastic melon growers unite in pronouncing this the finest quality of any melon grown. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

FLORIDA FAVORITE—Oblong in shape, growing to a very large size; rind dark with light green stripes; flesh light crimson, crisp and deliciously sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

KENTUCKY WONDER—In shape it is oblong; skin dark green; marbled in stripes of light green; the flesh a beautiful scarlet color, crisp, tender, rich and sugary flavor; always firm and never mealy. Attains an average weight of 40 to 60 pounds. Not a mammoth variety, but a real good old-fashioned Kentucky melon that has few equals in quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

COLE'S EARLY—This is an extra early melon, maturing fully a week or more in advance of any other variety. Melons are oval in form, small in size, handsomely striped with light and dark green. The fruits are of good quality. A desirable variety for localities where seasons are short. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CITRON—For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

Onion Seed

CULTURE—Onions do best on a rich loam, previously cultivated for two years. Stiff clay and light sand are equally unfavorable. The land should be highly fertilized with well-rotted manure, complete fertilizers, etc. Fresh stable manure has a tendency to produce soft onions. Drill in four or five pounds of seed per acre, one-half inch deep. If sets are wanted, use 60 to 80 pounds per acre. Six to ten bushels of sets will plant an acre. Fine, marketable size onions (according to variety planted) are easily produced the first year from early spring sown seed. Culture should be frequent though shallow. The same ground may be used for onions, season after season, if well fertilized annually. Bone meal is an excellent fertilizer. Winter storage demands dryness and protection from sudden changes. Onions should never be handled while frozen.



AUSTRALIAN BROWN ONIONS—Are of medium size, though growing quite large under favorable conditions. Wonderfully hard and solid, the bulbs are most attractive for market, both as to form and appearance. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.40.

AUSTRALIAN YELLOW GLOBE—This grand, globe-shaped, yellow onion is quick growing, a sure cropper, and of exceptionally long-keeping quality. The onions are a perfect globe or ball in form and uniformly thin necked. The flesh is very solid, crisp, pure white, and of sweet mild flavor. It is very early, while in sure ripening character and excellent keeping quality it equals the famous Australian Brown. Its handsome globe form, combined with most attractive coloring, insures quick sales at the highest market price. The coloring is rather richer than that of the popular Southport Yellow Globe which it equals in productiveness, is nearly as large, and being earlier will ripen more surely in wet seasons or in very moist soil. Most highly recommended. Large pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

YELLOW DANVERS—The leading large yellow kind, round, slightly flattened, flesh fine-grained, rather mild, very rich and sweet; one of the best keepers and shippers, and one of the most productive kinds. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.35.

YELLOW GLOBE DANVERS—This is the standard variety for winter use, producing well-ripened bulbs averaging two inches in diameter and nearly globe shaped. Skin a light golden brown or pale yellow; flesh pure white, crisp and mild in flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.35.

OREGON YELLOW DANVERS—It is a cross between the flat and the globe, one of the best keepers for our western climate. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

MAMMOTH PRIZE-TAKER—Genuine seed of this variety produces the handsomest, largest Yellow Globe onion in the list. The yield per acre is larger than that of any other variety. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EXTRA EARLY RED FLAT—Deep red in color; resembles the Red Wethersfield, except that it is much earlier and somewhat smaller; desirable for early market. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

LARGE RED WETHERSFIELD—The standard red variety. Bulb large and somewhat flattened, oval-shaped; skin deep purple red; flesh purplish white, moderately fine grained and rather strong flavor. Very productive. Oz., 25c; ¼ lb., 65c; lb., \$2.00.

WHITE GLOBE—A handsome, white, globe-shaped variety; flesh fine, very white, rich and sweet; it is also one of the best keepers of the silver-skinned kinds. Pkt., 5c; oz., 35c; ¼ lb., 75c; lb., \$2.50.

WHITE PORTUGAL, or AMERICAN SILVERSKIN—Produces early onion of mild flavor; largely used for growing sets and pickles. Large pkt., 5c; oz., 35c; ¼ lb., 75c; lb., \$2.50.

WHITE QUEEN—Remarkable for its earliness and mild flavor; it is small and white-skinned; the leading variety for pickling purposes. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

BERMUDA ONIONS—These onions grow to an immense size and are of beautiful form. The skin is very thin; flesh white, fine-grained, of mild and pleasant flavor. It will grow an onion from one to one and a half pounds from seed, but to attain full size, set out the bulbs the following spring. Pkt., 5c; oz., 35c; ¼ lb., 75c; lb., \$2.25.

Onion Sets

BOTTOM ONION SETS—These are the product of seed and are used for "green onions," or to produce large onions, which they do much quicker than they can be grown from seed. Lb., 25c, postpaid; 10 lbs., express or freight, \$1.25.

OKRA OR GUMBO

The pods sliced are esteemed for soups, stews, etc., and whether used green or dried, must be gathered when young.

WHITE VELVET, HENDERSON'S—Large round, smooth pods; never ridged; prolific. Pkt., 5c; oz., 10c; ¼ lb., 20c.

Garden Peas

We pay postage on peas in 5c packages only. If ordering in larger quantities by mail, add 10c per pound for postage.



2 lbs. for 100 feet of drill; 2 or 3 bus. in drills per acre.

CULTURE—Sow early in the spring in rows 18 to 24 inches apart. The peas will give quicker returns if covered only 1 inch deep, and where earliness is the most important, they may be treated in that way, but longer pods and more of them will be produced if the seed is planted in trenches 3 to 6 inches deep and covered with one or two inches of soil. When the plants are 5 or 6 inches high, fill the trench level with the surface. Sow every two weeks for succession. For field culture, they may be sown broadcast and plowed under.

Peas—Continued

Extra Early Peas

ALASKA, OR EARLIEST OF ALL—Earliest and best of all the blue smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of pods is unequalled by any other extra early pea. Vines two to two and one-half feet high, unbranched, bearing four to seven long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall and early spring planting. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

McLEAN'S LITTLE GEM—A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller and continues in bearing longer. The quality of the pea is very superior. Height, 15 inches. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

NOTT'S EXCELSIOR—The best early dwarf pea. It combines to a wonderful degree the good qualities of the American Wonder and Premium Gem peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas, in sweetness and quality, are unsurpassed. The most desirable sort for the market gardener and unexcelled for the home garden. Very hardy. It outyields them 20 to 30 per cent. The pods are one-third longer, and each pod contains from six to nine peas, which are usually fine flavored and tender. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

AMERICAN WONDER—The earliest and best of the wrinkled sorts. A great favorite for family use. Has stout, branching vines, about nine inches high, and covered with well-filled pods, exceedingly sweet, tender and well flavored peas. Dry peas, medium size, much wrinkled and flattened, pale green. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

GRADUS—This extra early wrinkled pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; grows vigorous and healthy; vines two and a half feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

Second Early Sorts

TELEPHONE—Produces those handsome long pods. A great favorite with our market gardeners. Immensely productive, of the finest quality and excellent sugary flavor; vines very strong; the pods are of large size, filled with large, delicious peas. Height, four feet. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

CHAMPION OF ENGLAND—Very rich and fine flavored; very productive; wrinkled. Height, four to five feet. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

STRATAGEM—One of the best of the large, podded peas; the pods are of immense size, filled with large, dark green, wrinkled peas of the finest quality; vine of medium height, but very stocky with broad, light green leaves, and bearing an abundance of large, handsome pods. Pkt., 5c; lb., 20c; 10 lbs., \$1.50.

PROLIFIC—This is a grand new pea, the seed stock being recently imported from France. It is a robust grower, producing in astounding profusion large, handsome, deep green pods closely packed with luscious, tender, sweet peas. A grand medium early pea for the home and market garden. Height, two feet. You will not be disappointed in the new variety. Try a packet, at least. Pkt., 10c; lb., 20c; 10 lbs., \$1.50.

MELTING SUGAR—The kind that has sweet, broad pods, and are used the same way as snap and string beans. This is the most popular of the edible podded varieties. The pods are large, straight, very tender and finely flavored. Vines medium height. Pkt., 5c; oz., 10c; lb., 25c.

If you want an incubator that will do good work, buy Chas. A. Cyphers New Model. They are in most poultry plants.

Parsnips

CULTURE—Parsnips do the best in rich, deep soil, but will make good roots on any soil which is deep and mellow and moderately rich. As the seed is sometimes slow to germinate it should be sown as early as possible. Cover one-half inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants six or eight to the foot. One ounce will sow 150 feet of drill; five pounds, one acre.



IMPROVED GUERNSEY (Improved Half-Long)—A greatly improved and wonderfully fine strain of Guernsey parsnip. The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper. The roots are very smooth, the flesh is fine grained and of most excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.

LONG SMOOTH, OR HOLLOW CROWN (Abbott's Improved Long Sugar, or Long White Dutch Parsnip)—A great cropper; tender, sugary, and considered the best for general cultivation. Parsnips are improved by remaining exposed to the frost. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.

Pumpkins

CULTURE—Sow in good soil in May, when the ground has become warm, in hills eight or ten feet apart each way, or in fields of corn about every fourth hill; plant at the same time with corn; always avoid planting near other vines, as they will hybridize.



EARLY SUGAR—Fine-grained, sweet and prolific; small in size, but one of the best for pies. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LARGE CHEESE—A popular variety in the South. Fruit flattened, the diameter being two or three times more than the length. Skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

BIG TOM—This is one of the largest, most uniform growing and productive varieties known; it has been produced by an annual selection being made for a number of years from the old Golden Marrow by one of the largest canning establishments in Ohio, and who annually grow hundreds of acres especially for canning; they say that they can find no variety equal to it for this purpose. Per oz., 10c; ¼ lb., 20c; lb., 50c.

CONNECTICUT FIELD—A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it makes good pies. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 40c.

MAMMOTH PRIZE—The largest pumpkin grown; has attained a weight of 225 pounds. If you wish to see just how large a pumpkin can grow, try the Mammoth Prize. The quality is excellent. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Peppers



Pepper.

Sow the seeds early in hotbeds, or later, when the weather becomes warm, in open beds; when two or three inches high, transplant to a warm, mellow soil, in rows eighteen inches apart at one foot apart in the row. Guano and hen manure are excellent fertilizers, and will greatly increase the yield.

RUBY KING—An improved American sort, reaching the largest size, yet retaining the symmetrical shape of the smaller sorts. It is very bright colored, beautiful, sweet and mild flavored. Pkt., 5c; oz., 30c; ¼ lb., 75c.

LARGE BELL, OR BLUE NOSE—A large, mild, thick-fleshed variety. One of the best for stuffed pickles. Pkt., 5c; oz., 30c; ¼ lb., 75c.

CHINESE GIANT PEPPER—Without doubt one of the very best and largest Mango Peppers ever introduced. Of mammoth size, splendid shape, beautiful, rich, glossy-red flesh and mild flavor. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

LONG RED CAYENNE—Brilliant coral-red pods, three or four inches long, and a prolific bearer; very pungent and used very largely with pickles when green. Pkt., 5c; oz., 25c; ¼ lb., 75c.

RED CHILI—Small, bright red peppers, very hot and pungent, and generally used for making "Pepper Sauce." Very prolific. Pkt., 5c; oz., 25c; ¼ lb., 75c.

PARSLEY

Very useful for flavoring soups, meats, and for garnishing. The green leaves are used for flavoring, or they may be dried crisp, rubbed to a powder, and kept in bottles until needed.

CHAMPION, MOSS CURLED—A compact growing, finely cut and much curled variety of bright green color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

PEANUTS

The peanut thrives and produces best on a light, sandy, fertile soil with a good clay subsoil. It possesses a long tap-root, which extends deep into the earth, drawing thence the nutriment which is beyond the reach of many of our cultivated crops. Per lb., 35c, postpaid.

RHUBARB OR PIEPLANT

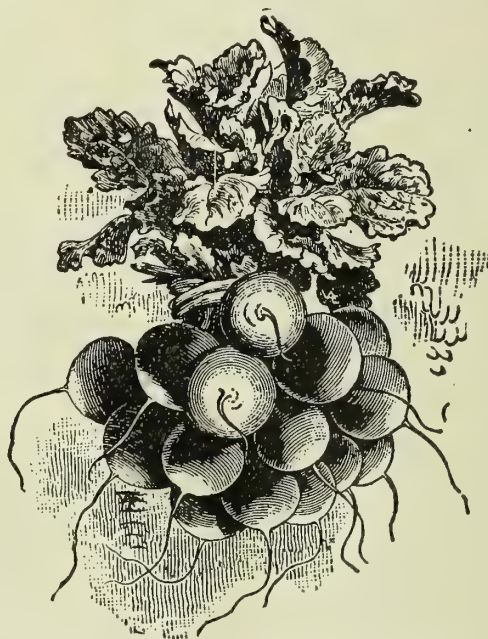
CULTURE — Rhubarb succeeds best in deep, rich, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure each spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed.

VICTORIA, OR MAMMOTH—Very large; finest cooking variety. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.



Radishes

CULTURE—Radishes must make a rapid growth to be crisp and tender. For early use seed should be sown in the hotbed, in drills four or five inches apart and half an inch deep. For an early crop in the open ground select a sandy soil and a warm south border under the shelter of a fence or building, if possible. A load of fresh, sandy loam from the woods is better for the radish crop. As soon as the first leaves appear sprinkle with soot or ashes to save from the little turnip fly. One ounce will sow 150 feet of row.



SCARLET TURNIP WHITE-TIPPED RADISH.

THE SECRET IN GROWING GOOD RADISHES consists chiefly in the observance on the part of the grower of three points. First, they should be grown on quick, light soil. Second, they should be given plenty of water; and last, but not by any means least, the right kind of seed should be sown. Radishes grow very quickly, and if not supplied with plenty of water are apt to be pithy.

EARLY SCARLET TURNIP, WHITE TIPPED—The favorite variety for outdoor cultivation; medium size; uniform shape; color bright scarlet sharply contrasted with white tip, which makes it most attractive. It grows quickly; flesh white, crisp and of the best quality. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

Radishes=Continued

EARLY ROUND DEEP SCARLET—Similar in form to the Scarlet Turnip-Rooted, but much darker in color; flesh white, very crisp and tender; top small, well adapted for growing in frames. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY WHITE TURNIP-ROOTED—A little flatter than the Scarlet Turnip-Rooted, and pure white in color. It has a very small top, white, semi-transparent flesh, and is slightly later than the Scarlet Turnip but will stand more heat and remain longer in condition for use. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

FRENCH BREAKFAST, OR HALF LONG WHITE TIPPED—Medium size, of quick growth, crisp and tender; terminates more abruptly than the Half Long Scarlet, lower end and tap root white. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY LONG SCARLET—The leading variety either for the family or market garden. From six to eight inches long, standing nearly half above the ground; bright scarlet, smooth, crisp, tender and mild. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY CRIMSON GIANT—The largest early Scarlet Turnip-Shaped Radish. A new early radish, double the size of any of the other early turnip-shaped type, but notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp and juicy, and of the mildest flavor. The shape of the bulbs vary from round to almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent for both forcing and the open ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY WHITE STUTTGART—Root large, often four inches in diameter, top-shaped. Skin white; flesh white and crisp, and not becoming strong or pithy until very late. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

NEW WHITE ICICLE—Entirely distinct, long, slender, pure white. Very early; much the earliest and finest long white. It is ready for use full as early as Long Scarlet; short top, with less foliage, rendering it more desirable for forcing. In the open ground the roots continue brittle, crisp and mild, until they are fully as large as those of the Long Brightest Scarlet. It is ready for use following the olive-shaped Earliest White, and destined to become a leading variety. In recent years strains of White Wood's Frame and Chartiers have been introduced and found of poor quality, but the Icicle is, perhaps, superior to the finest red ones. Roots pure, snowy white, four inches in length and half an inch in diameter; they retain their crispness and fresh, mild flavor until fully six inches long and an inch in diameter. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

IMPROVED CHARTIER—Roots long, tapering rather abruptly and attaining a very large size. Of rapid growth it is soon ready for the table, remaining crisp and tender until fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

LONG WHITE VIENNA, OR LADY FINGER—The best long white radish grown; pure white, long, tender and sweet; a favorite also for its beauty of form and rapid growth. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

WHITE STRASBURG—One of the best of the large summer sort. It covers a long season, as it is good when quite small. The roots are long, very white, crisp and tender. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

Winter Varieties

LONG BLACK SPANISH—Very hardy and good for winter use. If stored in sand will keep good all winter. The roots, which present a rusty, black appearance, are large, firm and not liable to become pithy. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

MAMMOTH CALIFORNIA, OR WHITE CHINA—Extensively grown by the Chinese, who introduced it into California. Very large and cylindrical, terminating abruptly with little tap root; mild and tender, and keeps well all winter. The skin and flesh are of a transparent white. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

SPINACH

CULTURE—It is one of the most easily managed of all vegetables, requiring but little culture. The main crop is sown in September, and it is sometimes covered with straw in exposed places during winter, which prevents it from being cut with frost.



For summer use it may be sown at intervals of two or three weeks from March to August. Spinach is best developed, most tender and succulent when grown in rich soil. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

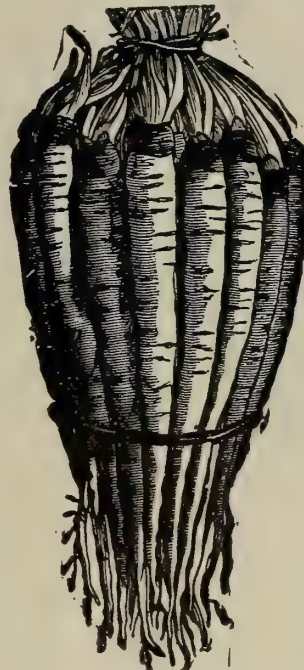
BLOOMSDALE—A very early variety. Is hardy and may be planted for early spring use. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

LONG STANDING—An improved variety, slow going to seed, and perhaps the best for general use. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

VICTORIA—Noted for its dark green leaves. It will outyield every other variety and at the same time stand longer without going to seed. Very desirable for the market or private garden. Oz., 10c; ¼ lb., 15c; lb., 35c.

IMPROVED THICK LEAVED—A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Best for market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

SALSIFY OR VEGETABLE OYSTER



The long white, tapering root of Salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.

CULTURE—It succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill-shaped. Sow early and quite deep giving the general culture recommended for parsnips. The roots are perfectly hardy, and may remain out all winter, but should be dug early in the spring, as they deteriorate rapidly after growth commences. Store a quantity for winter use in a pit or in a cellar in damp earth or sand.

MAMMOTH SADWICH ISLAND—This is in every way superior to the old sort, being larger, stronger growing and less liable to branch. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

Squash

Summer Varieties

CULTURE—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight to ten. Three plants are sufficient to a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash, as the slightest injury will increase the liability to decay.

MAMMOTH SUMMER CROOK-NECK—An early, prolific kind, having a solid curved neck; the skin is yellow, thin, hard and very warty; flesh tender and of good quality. Twice as large as the ordinary Crookneck and several days earlier. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY YELLOW MAMMOTH BUSH SCALLOP—An early, flat, scallop-shaped variety; color yellow; flesh pale yellow and well flavored; very productive. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

MAMMOTH WHITE BUSH SCALLOP—The best summer sort for the market; very productive and of good size. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

VEGETABLE MARROW—A favorite English variety, bearing freely oblong, dull yellow fruits 10 to 15 inches in length by 4 to 5 inches in diameter; flesh, before ripe, tender, marrowy and delicious. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

Autumn and Winter Varieties

GOLDEN HUBBARD—This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller; earlier to mature, and of a rich, orange-red color, instead of the dark olive-green of the old Hubbard, while the flesh is a little deeper colored and fully as good quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

HUBBARD—The best seller and most popular variety on our list; rind dark green and very hard; flesh light orange, very dark, sweet and rich flavored; has no superior for winter use, as it keeps perfectly through the winter. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

CHICAGO WARTED HUBBARD—Is similar in size and quality to the Hubbard. The vines are vigorous and productive, while the large, dark olive-green fruits are rather more heavily warted. Very handsome in appearance; an excellent keeper and of splendid quality. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.

BOSTON MARROW—A good keeper of excellent flavor; flesh orange colored and fine-grained. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

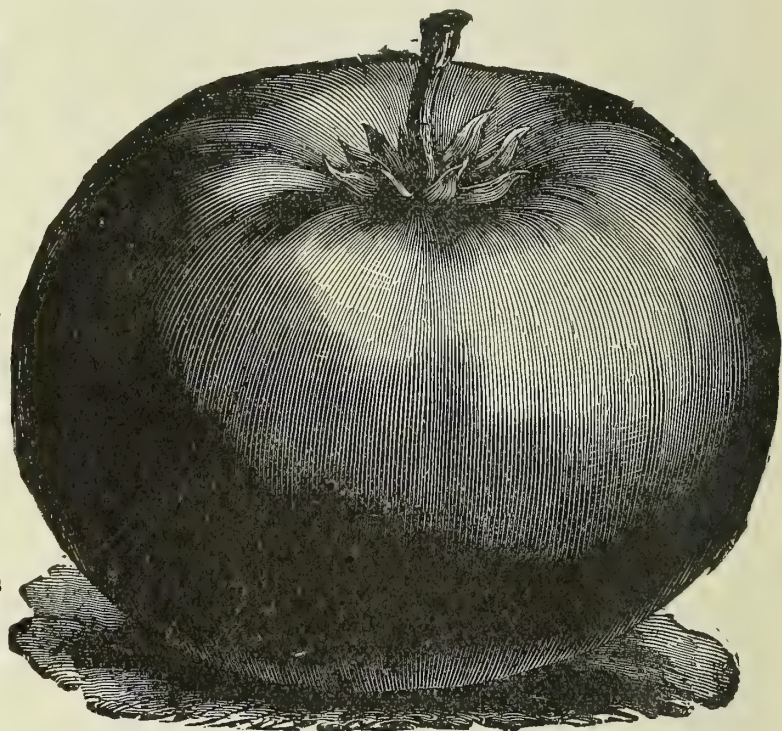
MAMMOTH CHILI—The largest variety grown, having attained a weight of over 200 lbs.; round, flattened at the ends; rind deep orange; flesh deep yellow, thick and very nutritious; sometimes used for the table, but more desirable for stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c.



Summer Crookneck.

Tomatoes

CULTURE—Sow the seed in March and April in the hotbed or in spots in a sunny exposure in the house. If it is desired to make very healthy, stocky plants they may be transplanted or repotted when about two or three inches high. When five or six inches high, if the ground has become warm, transplant to the open ground, on a rainy or cloudy day, if possible; if not, the young plants should be liberally watered and shaded from the hot sun. If it is desirable to have the fruit ripen as early as possible, in preference to a heavy crop, select rather light, poor soil, and a sunny location. Trimming off the laterals, training to a stake, and propagating by slips are believed by many to promote earliness. Set the plants four feet apart each way, upon mounds of earth, to allow the foliage to open and let the sun in amongst the fruit. A cheap trellis, made by driving three stakes around the plants and encircling them with three or four barrel hoops, makes a very nice support for training them on.



NEW TOMATO—CHALK'S EARLY JEWEL—The large, handsome fruits are very solid and deep through, being almost round or ball shaped; will measure nearly three and a half inches across by nearly three inches in depth, from stem to blossom end. Color, brightest scarlet, ripening right up to the stem without any cracks or green core. The foliage is rather sparse and open, admitting the sunlight to the center of each plant, so that all the fruits are thoroughly ripened, but the leaves are dark green and not inclined to curl, as in most other first early varieties. Pkt., 5c; oz., 35c; ¼ lb., \$1.00.

ATLANTIC PRIZE (Extra Early)—A distinctly early variety, of good size and smooth surface. Many of the objections to the usual early kinds, such as undersize, deep corrugations and rough skin, are overcome in the Atlantic Prize. Pkt., 5c; oz., 25c; ¼ lb., 70c.

PONDEROSA—The fruit ripens quite early and keeps on coming until very late; of immense size, solid, almost seedless, and of good sub-acid flavor. The fruits are somewhat scattered on the vine, and quite a percentage are too rough to please most growers. A very good tomato for home use. When ripe it is apt to remain somewhat green around the stem end, and it seems to ripen on the inside first; on this account it should be picked when it appears to be about three-fourths ripe. Oz., 25c; ¼ lb., 75c; lb., \$2.00.

SEND US YOUR ORDERS EARLY AND AVOID DELAY.

Tomatoes--Continued

EARLY MICHIGAN—Having tested at one time or another nearly every variety offered by seedsmen, we confidently claim that there is no better sort than this for general market or family use. We speak emphatically because we know that for smoothness and regularity of shape, uniformity of size, color and freedom from rot or cracking this variety is unsurpassed. Its first fruits are quite early, but the vines continue to bear for a long time. Vines large, with large, dark green leaves, vigorous and wonderfully productive, being, under high culture, one of the heaviest croppers; fruit medium sized to large, and, like most other varieties, it produces larger fruit as the season advances. Perfectly smooth, solid, but without a hard core; deep, rich red color, and of excellent flavor. This kind is admirably adapted to canners' use. **Oz., 25c; ¼ lb., 75c; lb., \$2.25.**

SPARK'S EARLIANA—The earliest large and smooth tomato. The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. A most vigorous grower and heavy bearer, continuing until frost. Succeeds everywhere and especially recommended for this section. The above claims may seem strong, but they have been abundantly proved by thousands of planters who have grown this grand tomato since its introduction three years ago. Spark's Earliana is as near seedless as any tomato, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds to the acre. For this reason the genuine seed can never be sold at a low price. **Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., \$2.50.**

LIVINGSTON'S CORELESS—A new bright red tomato of the globe shaped type, almost round, being about the same diameter each way, making it a most profitable variety for canning. It is a strong grower and a heavy cropper, a grand slicing variety and ripens all over and through. Entirely free from hard green core. **Pkt., 10c; oz., 50c.**

DWARF CHAMPION, OR TREE TOMATO—The plant is dwarf and compact; fruit medium size, rich, glossy red, smooth and solid; fine for private gardens. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

ESSEX EARLY HYBRID—Very similar to the Acme; fruit dark purple; always smooth and handsome; in quality it is classed with the best; will give satisfaction wherever the Acme does. **Pkt., 5c; oz., 25c; ¼ lb., 75c.**

NEW STONE—Fine for main crop; very large; color bright scarlet; very smooth, ripening up to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best; not subject to rot. Superior for canning. **Pkt., 5c; oz., 25c; ¼ lb., 75c.**

PEACH—This is a distinct and very attractive tomato for preserving, eating from the hand or table. Fruit resembles a peach in shape, size and color, and is covered with a delicate bloom, which makes the resemblance more striking; flesh tender and of good flavor. **Pkt., 5c; oz., 30c.**

GROUND CHERRY, OR HUSK—Plants of low, spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk or covering. When ripe the fruits are an inch in diameter, bright yellow and of very sweet flavor; highly esteemed for preserving or making pies. **Pkt., 5c; oz., 30c.**

Planet Jr. Garden Tools meet all the requirements for lightening the work in the garden.

Turnips

For feeding stock in fall and winter there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

CULTURE—For early, sow as soon as the ground can be worked, in drills 15 to 18 inches apart, and half an inch deep. Thin to six inches in the row. Turnips will grow on any soil that is moderately rich. An essential point is to make them grow quickly, otherwise they are apt to be tough and woody. They do best in light, loamy soil, that which has been manured for a previous crop is preferable to manuring with stable manure at time of sowing as in this case they are liable to be worm eaten, hence unsalable. Two pounds will plant an acre.

EARLY PURPLE TOP, STRAPPED LEAVED—One of the best and most universally grown; small, erect top, round, flat; purplish red above, white underneath; flesh firm, but very tender and sweet; it is soon ready for the table and keeps well. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**



EARLY FLAT WHITE DUTCH, STRAPPED LEAVED—A leading white-fleshed variety, and one of the best, either for family, market garden or field crop; it is of medium size and produces a large crop. The flesh is firm but tender, and of a superior rich, buttery flavor. A good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE EGG—A quick growing, egg-shaped, perfectly smooth, pure white variety, with small top and rough leaves. It grows half out of the ground; the flesh is very sweet, firm and mild, never having the rank, strong taste of some of the early varieties. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.**

EXTRA EARLY MILAN—The earliest turnip; tops are very small, distinctly strap leaved, and growing very erect and compact. Forms bulbs the earliest of any sort; the roots are very white. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

GOLDEN BALL, OR ORANGE JELLY—Medium size, globe-shaped bulbs; very early; flesh golden yellow, of fine texture and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE (Strapped Leaved)—This is a free growing, rough leaved sort, useful for both table and stock. It is not quite so rapid in growth as the flat varieties, may be expected to come in as a succession in autumn and is admirable for table use in early winter. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW ABERDEEN—Round, medium size, light yellow; stained with purple on top; produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.**

PURPLE-TOP WHITE GLOBE—A variety of the Purple-Top Flat Turnip, from which it originated. It is globular in form, of beautiful appearance and of most excellent quality. Equally desirable for table or stock. It keeps well and is a fine market sort. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

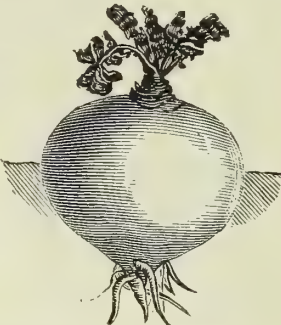
Turnips==Continued

COWHORN—Sometimes called Long White. Is slightly crooked, pure white, except a little shade of green at the top. Grows half out of the ground and is of very rapid growth; is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in the West, and is an immense yielder. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Ruta Bagas or Swedes

YELLOW SWEDE, OR RUTA BAGA—Shape oblong, dull reddish color above ground, but yellow underneath; is hardier than the common turnip and will keep till spring. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SWEET RUSSIAN, OR WHITE—The only white-fleshed ruta baga in general cultivation; is hardy, easily grown, large and yields as heavy a crop as the best yellow kinds; flesh fine-grained and solid, but tender and well flavored; good for stock and desirable for the table. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.



Yellow Ruta Baga.

TOBACCO

CONNECTICUT SEED LEAF—A largely cultivated sort in America. Large pkt., 5c.

HAVANA—A genuine Cuban strain. Pkt., 5c.

HERBS

ANISE—Used for cordials, garnishing and flavoring. Pkt., 5c; oz., 10c.

BALM—Leaves used for making pleasant beverages. Pkt., 5c; oz., 25c.

BASIL—Sweet; the leaves are used in flavoring soups, etc. Pkt., 5c; oz., 15c.

BORAGE—Leaves used for flavoring and the flowers furnish feed for bee pasturage; most easily grown in any waste place. Pkt., 5c; oz., 15c.

CARAWAY—Grown for seeds; used for flavoring. Pkt., 5c; oz., 15c.

CATNIP, OR CATMINT—Leaves and young shoots for seasoning. Pkt., 5c; oz., 35c.

DILL—Seeds have an aromatic odor and pungent taste. Pkt., 5c; oz., 10c; ¼ lb., 25c.

FENNEL—Sweet; ornamental; when boiled, used in fish sauce. Pkt., 5c.

CORIANDER—Seeds used in the manufacture of liquors, in confectionery and culinary preparations. Pkt., 5c; oz., 10c; ¼ lb., 25c.

HOREHOUND—For seasoning and cough remedy. Pkt., 5c; oz., 20c.

LAVENDER—An aromatic, medicinal herb. Pkt., 5c; oz., 20c.

MARJORAM—Sweet; leaves and shoots for seasoning. Pkt., 5c; oz., 15c.

SAGE—Most useful herb for seasoning. Pkt., 5c; oz., 20c.

SUMMER SAVORY—Used for flavoring soups. Pkt., 5c; oz., 10c.

THYME—Leaves and young shoots used for seasoning; a tea is made from leaves, a remedy for headache. Pkt., 5c; oz., 30c.

TREE SEEDS

Single Pound Prices are by Mail, Postpaid.

PEACH PITS—For nursery stock. Lb., 20c; 100 lbs., \$3.50.

APPLE SEED—Oz., 10c; ¼ lb., 30c; lb., 75c.

CHERRY PITS (Mahaleb)—Oz., 10c; ¼ lb., 25c; lb., 85c.

PEAR SEED (Pyrus Communis)—The best imported for nursery stocks. Oz., 15c; ¼ lb., 45c; lb., \$1.50.

QUINCE SEED—Oz., 20c; ¼ lb., 50c; lb., \$2.00.

BOX ELDER, OR ASH LEAF MAPLE (Acer Negundo)—Oz., 10c; ¼ lb., 25c; lb., 85c.

LOCUST, YELLOW OR BLACK—A tree of rapid growth. Sown in our Western states for timber. Oz., 10c; ¼ lb., 20c; lb., 50c.

LOCUST, HONEY—Oz., 10c; ¼ lb., 20c; lb., 60c.

Flower Seeds

CHOICE STANDARD VARIETIES



Aster.

CULTURE—Cultural directions are printed on the back of nearly all packets.

Flowers usually succeed best in a sandy loam, made rich with well rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

A hotbed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make their germination and growths more certain. Most seeds do well if sown in boxes in a sunny window in the house.

Plants are usually ready to be transplanted when they have made a growth of two inches.

Annuals bloom and ripen the first year and then they perish.

Many annuals in warm climates, or when taken in or protected during the winter, become perennial, with but short lives, however.

Biennials do not generally flower the first year, and are in perfection only one year.

Perennials continue to flower several years in succession.

Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring, if desired, and Biennials and Perennials do not need any protection in the winter.

Half Hardy Annuals, Biennials and Perennials should not be sown in open ground until settled warm weather, though they can be sown in the house, if desired, early, and afterward transplanted. The two latter need to be protected in the winter, or carried over until spring in cold frames or greenhouses.

HOHENZOLLERN ASTER—The finest type of the Giant Comet, or Ostrich Feather type of Asters. Much larger than the Giant Comet, the petals longer and more curled and twisted, and produced in greater abundance. Borne on long stems, which makes them cut flowers par excellence. We have them in separate colors—white, pink, blue, lavender, rose and mixed. Price, per packet, 10c.

VICTORIA ASTERS—The flowers are very large and double; the plants bear ten to twenty flowers, pyramidal in form. We have them in separate colors—rose, crimson, scarlet, blue, and pure white. Each, 10c a pkt. Many colors mixed, pkt., 10c.

Flower Seeds--Continued

SEMPLER'S BRANCHING ASTERS—The flowers are magnificent and very large, four inches across, are very double, of purest colors and borne on long stems. Height 18 inches to 2 feet. Many beautiful colors mixed. Pkt., 10c.

GIANT COMET, OR OSTRICH PLUME—Are thrifty growers, 15 inches high, bearing immense long-stemmed flowers, composed of long, wavy petals, like Japanese Chrysanthemums. Giant Comet, mixed colors, pkt., 5c.

AGERATUM—A plant that blossoms continuously all summer in the garden and makes a pleasing contrast of color with more brilliant varieties. Pkt., 5c.

ARCTOTIS—BLUE-EYED AFRICAN DAISY—A remarkably handsome new annual. It forms a branching bush 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, the reverse of petals being pale lilac blue. It is of the easiest culture and flowers from early summer until late fall. Pkt., 15c.

ALYSSUM—SWEET—A very pretty plant for beds, vases, baskets, edgings or rock work. Sweet scented and blooms profusely all summer. Pkt., 5c.

If you want some fine Asters, order Hohenzollern.

BALSAM—Unrivalled for the great variety of color and size of flower; includes all of the most desirable shades and colors; no finer mixture can be obtained. Pkts., 5c and 10c.

BACHELOR'S BUTTON—Well known annual of easy culture. Pkt., 5c.

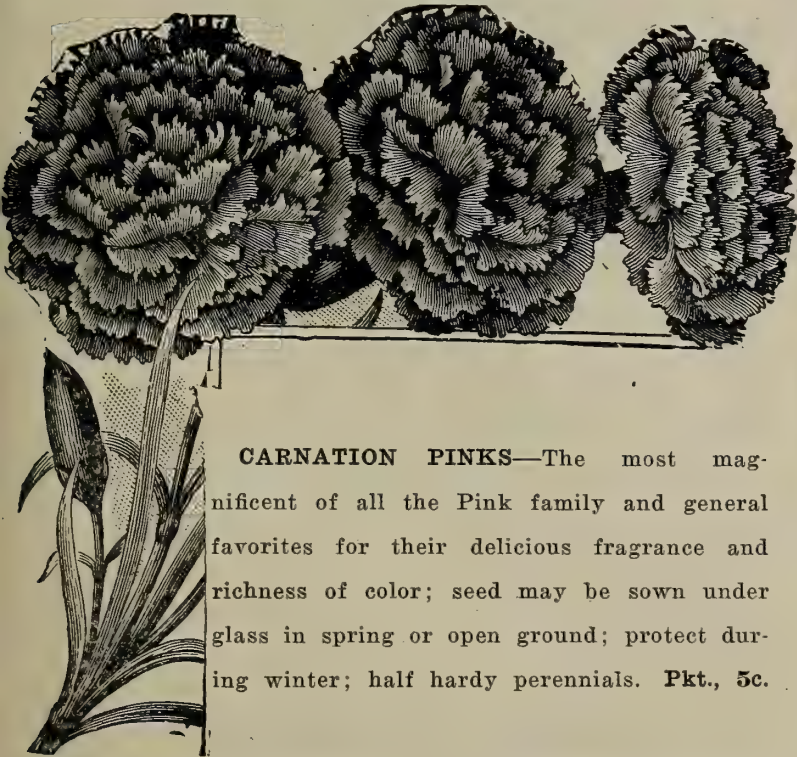
BALLOON VINE—LOVE-IN-A-PUFF—A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. Pkt., 5c.

BEGONIAS—Begonias are among the most beautiful of flowering plants, especially adapted to pot culture. Pkt. 5c.

CANARY BIRD VINE—A beautiful climber; flowers a bright golden yellow, bearing a fanciful resemblance to birds with expanded wings. Pkt., 5c.

CANDYTUFT—Mixed, many fine shades. Pkt., 5c.

COLEUS—Probably the best known and most popular of ornamental foliage plants. Leaves all shades and colors. Tender perennial. Finest hybrid mixed. Pkt., 10c.



CARNATION PINKS—The most magnificent of all the Pink family and general favorites for their delicious fragrance and richness of color; seed may be sown under glass in spring or open ground; protect during winter; half hardy perennials. Pkt., 5c.

By ordering your seeds early you are sure of prompt delivery and good service. Don't wait until the rush is on—it may delay your garden making.

CHRYSANTHEMUM—The Annual Chrysanthemums are rapidly coming to the front, both as greenhouse and garden plants; they should not, however, be confounded with the Japanese perennial kinds that are being so widely introduced; the annuals have recently been greatly improved. Pkts., 5c and 10c.

COLUMBINE, OR AQUILEGIA—Commonly known as Honeysuckle. Produces handsome flowers of unique form and many attractive and bright colors. Hardy Perennial mixed. Best double or single varieties. Pkt., 5c.

CELOSIA—COXCOMB—Free blooming annuals, growing best in light soil not too rich. They make splendid border plants and are attractive for pots. Mixed. Pkt., 10c.

COBAEA SCANDENS—One of the handsomest and most rapid growing of the annual climbers. It climbs thirty feet in a season. The flowers are bell shape and of a purplish lilac color. Very prolific and perfectly hardy. The vine is always clean of insects. Mixed. Pkt., 10c.

CANTERBURY BELLS—Very ornamental garden plants of the easiest culture; hardy biennial, two and a half feet high, producing large, nodding and charming bell-shaped flowers of many exquisite shades. Pkt., 5c.

CYPRESS VINE, OR IPOMOEA QUAMOCLIT—A climber of rapid growth, having handsome, fernlike foliage and a profusion of bright, attractive flowers. Mixed. Pkt., 5c.

CASTOR OIL BEAN—Ornamental plants of steady growth and picturesque foliage with brilliant colored fruit, producing a sub-tropical effect; fine for lawns, massing or center plants for beds. Pkt., 5c.

Cosmos



Cosmos.

COSMOS—A strong grower, having elegant foliage, and for tall blooming has no superior. Seed sown in March or April and transplanted to open ground will produce plants three to five feet high by September, which thereafter, until November, will yield hundreds of blossoms three inches across; various shades. Pkt., 5c.

DAHLIA—A well known and popular late summer and autumn flowering plant. Is grown from seed or propagated from bulbous roots. The seed may be planted early in the hotbed and the plants set out in May after all danger from frost is over. By sowing the seed early the plants may be made to bloom the first year. Dahlia Single Perfection, mixed, pkt., 10c. Double Cactus Flower, mixed, pkt., 10c.

DAISIES (Bellis Perennis)—Very popular and easily grown flower; may be sown in the open ground early in May. Pkt., 10c.

Flower Seeds--Continued

SHASTA DAISY—A most remarkable new flower, originated by Luther Burbank, of California; bears flowers of the snowiest white, with yellow centers; blooms the first season and should be sown in boxes early and transplanted. Pkt., 15c.

DIANTHUS (Chinese Pink)—Mixed; many distinct and beautifully marked varieties. Pkt., 5c.

ESCHSCHOLTZIA (California Poppy)—The State Flower of California; an annual of rich, rare tints of yellow and orange. About a foot in height, beautiful foliage and large, poppy-like flowers. Pkt., 5c.

FOUR O'CLOCK (Mirabilis)—Is also called Marvel of Peru. A handsome, free-flowering, sweet-scented plant. They open their blossoms about four o'clock in the afternoon, hence their name. Hardy annuals. Choice mixed varieties. Pkt., 5c.

FORGET-ME-NOT (Myosotis)—A modest little flower, to friendship ever dear. (See also Flowering Plants.) A pretty trailer with blue flowers. Pkt., 5c.

GERANIUM—Comparatively few are aware that Geraniums may be grown easily from seed and flower the first season if sown early. This is the best way to secure Geraniums, as they will frequently reward the cultivator with charming new varieties. In fact, propagation by seed is the only way to obtain new varieties. Pkt., 10c.

GLOXINIA—The Gloxinia is one of the most beautiful flowers, very few possessing the depth of color peculiar to this superb genus. Pkt., 25c.

GODETIA—An attractive, hardy annual deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of rich and varied colors, one and one-half inches. All colors, mixed. Pkt., 5c.

GOURDS, ORNAMENTAL—Rapid growing, interesting annual climbers with handsome foliage and singular shaped fruit. Mixed varieties. Pkt., 10c; oz., 20c.

GYPSOPHILA, OR BABY'S BREATH—A pretty, free-flowering plant. Fine for bouquets. Pkt., 5c.

HELIOTROPE—One of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Sow early in the spring. Choice mixed. Pkt., 10c.

HOLLYHOCKS—These fine, old-fashioned perennials are most striking when planted in groups or long rows; their variety of color is wonderful. When plants are once obtained they last for several seasons. Mixed colors. Pkt., 10c.

LOBELIA—A very valuable and beautiful dwarf-growing plant, delicate drooping habit and profusion of charming little blue and white flowers. Choicest mixed. Pkt., 10c.

LARKSPUR—One of the most showy and useful plants, making useful border flowers. Pkt., 5c.

MOON FLOWER, OR IPOMEA, MEXICANA GRANDIFLORA—Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c.

MORNING GLORY—New Japanese; the surpassing charm in this grand variety lies in the entrancing beauty and gigantic size of the flowers. Pkt., 5c.

MORNING GLORY—Tall, fine mixed; a great variety of colors of the popular old-fashioned sorts. Pkt., 5c.

MIMULUS—Moschatus, or Musk Plant. Cultivated for its rich musk odor. Should have a rich soil and ample moisture. Hardy and perennial. Pkt., 5c.

MARIGOLD—Well known, extremely showy garden plant, with handsome double yellow and brown flowers of varied shades; succeeds in good garden soil. Annual. Pkt., 5c.

MOUNTAIN ROSE—One of the most beautiful as well as one of the rarest hardy climbers. It is absolutely hardy, and, once planted, is practically everlasting. Produces immense clusters of deep carmine flowers with deep green foliage, freely furnished with long tendrils that attach themselves firmly to stone, brick or wood walls. Pkt., 10c.

Use **REX LIME AND SULPHUR** around the roots of cabbage and cauliflower to Kill Wire Worms and Cut Worms.



Mignonette.

MIGNONETTE, RESEDA—A well known fragrant favorite, and no garden is complete without a bed of Mignonette. Sowings are made in April and again in July, will keep up a succession from early summer until frost. Pkt., 5c; oz., 25c.

NASTURTIUM, TALL OR CLIMBING—A very well-known ornamental, profuse flowering plant, adapted for rock work. The seeds, if picked young, are an excellent substitute for capers. Pkt., 5c; oz., 10c.

NASTURTIUM, TOM THUMB OR DWARF—When planted in beds or masses the brilliant effect of these splendid flowers is scarcely surpassed by any of our finest bedding plants. Pkt., 5c; oz., 10c.

NIGELIA—LOVE IN A MIST, OR DEVIL IN THE BUSH—DAMASCENA—A compact, free-flowering plant, with finely cut foliage, curious-looking flowers and seed pods; of easy culture, growing in any garden soil; hardy annuals; blue and white mixed. One foot. Pkt., 5c.

NICOTIANA—AFFINIS—(Tuberose-Flowered Tobacco)—Delightfully sweet-scented, pure white tubular flowers, blooming continually; annuals; two to three feet high. Pkt., 5c.

PORTULACA—Brilliant, dwarf annuals, only six inches high, luxuriating in warm situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc. Mixed. Pkt., 5c.

PRIMROSE—CHINESE—The culture of these lovely flowers is much easier than most people think. Our mixture includes not only all the choicest colors of the single-flowering Primulas in all their dainty shades, but it comprises also seed saved from hybridized flowers, and will produce a number of double flowers and the new blue Primula. Pkt., 10c.

PETUNIA—For outdoor decoration or house culture few plants are equal to this class. They commence to bloom early and continue to flower through the summer. Give them a rich soil and sunny place. Choice mixed. Pkt., 5c.

Poppy, or Papaver.

The Poppy is well known and really a magnificent flower, which is borne separately on tall stalks. Poppies are very showy and come in many bright and charming colors. They are hardy annuals, and may be sown where they are to remain, as soon as the ground can be prepared.

SHIRLEY—The range of color, extending from white through the delicate shades of pink, rose and carmine to deepest crimson; fine for cutting. The best single mixed. Pkt., 10c; ¼ oz., 25c.

Flower Seeds==Continued

DOUBLE CARNATION FLOWERED—Fringed; colors are dazzling. Mixed. Pkt., 5c; oz., 25c.

ICELAND, OR NUDICAULE—These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about twelve inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion and most useful for cutting; hardy perennial. (See cut.) Mixed colors. Pkt., 10c; ¼ oz., 40c.

PHLOX DRUMMONDII—Of all summer-flowering annuals the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring and remain so until cut down by frost. For early flowering they should be started indoors or in a hotbed. Mixed colors. Pkt., 5c.



Pansies.

PANSY (Viola Tricolor)—A half hardy perennial, growing four to six inches high and probably the best known and among the most popular flowers in cultivation. It thrives best in a moist, shady location, and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers later in the spring.

FANCY GIANT, MIXED—A splendid mixture of various shades and markings. The blossoms are perfectly round and are blotched at the base of three to five of the petals. Pkt., 10c.

FINE MIXED—A fine assortment of colors. Pkt., 5c.

THUNBERGIA—Rapid growing annual climbers; splendid for trailing over trellises, fences, etc.; beautiful flowers borne in profusion; buff, white, orange, etc.; four to six feet high. Mixed colors. Pkt., 5c.

VERBENA—Very few annuals will make such a gorgeous display during the summer months or furnish more flowers for cutting, than the Verbenas. Start seed in the house or under glass early in the spring and transplant after three or four inches of growth. They flower in July and continue strong and healthy until destroyed by frost. Fine mixed. Pkt., 5c.

VIOLETS—Viola Odorata is the well known English Violet, a free-flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places. Choice mixed. Pkt., 10c.

WALL FLOWER (Cheiranthus cheri)—Produces spikes of beautiful, exceedingly fragrant flowers. Half hardy perennial. Mixed. Single, large flowering. Pkt., 5c.

WILD CUCUMBER—A well-known vine, common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh lively green color; never infested with insects and very profuse in bloom. It will sow itself and come up in the same place. Pkt., 5c; oz., 20c.

ZINNIAS (Youth and Old Age)—Is one of the most brilliant and showy annuals, and has long been a general favorite. The seed can be sown early in the hotbed and transplanted, or sown later in the open ground. They come in flower early in the summer and keep on blooming until hard frost. Choice mixed. Pkt., 5c.

SCARLET RUNNER—Ornamental and useful; the vine is graceful; flowers are of a brilliant scarlet and the beans are of an excellent quality, either when shelled or in a dry state. Pkt., 5c; lb., 25c.

SALIPGLOSSIS—The quaint, funnel-shaped flowers somewhat resemble those of the petunia; beautiful range of colors. Pkt., 5c.

SNAPDRAGON, OR ANTIRRHINUM—One of the most useful and showy of border plants: Of almost every color, and striped as beautifully as carnations. They have recently been much improved and are now really magnificent. Hardy perennial. Finest mixed. Pkt., 5c.

LARGE FLOWERING, 10-WEEK STOCK—This is the leading class for bedding out or summer-blooming. All varieties, mixed. Pkt., 5c; oz., 20c.

SWEET WILLIAM—A well-known, attractive, free-flowering, hardy perennial, producing a splendid effect in beds and borders with rich and varied flowers. The demand for separate colors has induced us this season to offer several of the best and most distinct flowering sorts. Mixed. Pkt., 5c; oz., 20c.

Sweet Peas.



CULTURE—Early in the spring make a trench about four inches deep in rich, mellow soil, so arranged that no water can stand in it, and plant the seed in the bottom, covering no more than two inches. Sweet Peas, particularly the white seeded sorts, are often a little difficult to start. If the soil is too dry they will remain a long time without germinating; if it is too wet and cold they will not sprout at all. In soils at all heavy or composed largely of clay, put about one inch of sand in the bottom of the trench and sow the seed on this, covering with more sand. Cover the row with a board to shed the rain and protect the soil from the hot sun, but remove this as soon as the young plants appear. When the plants are about five inches high gradually fill up the trench and furnish some support for the vines to run upon. The blooms should be picked before they form pods or the plants will soon stop flowering.

OUR SWEET PEAS CANNOT BE BEAT

Sweet Peas--Continued

New Large Flowering Sweet Peas

VIOLET—So much has been written and said about this grand new blue that it must be familiar to all lovers of the Sweet Pea. The color is almost a true violet-blue self; the standard is only slightly hooded; flower of grand size and substance. A very vigorous grower. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.00.

PHENOMENAL—White, shaded and edged with lilac. Very large, the lower blossom on the stem is usually double. The petals are delicate and wavy. A grand orchid-flowering variety. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.00.

APPLE BLOSSOM—Large, beautifully hooded, shaded and edged with soft rose on silvery white. Pkt., 15c; oz., 20c; ¼ lb., 45c; lb., \$1.00.

HENRY ECKFORD—An intense bright shining orange self color, quite unique and absolutely distinct. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.00.

Cream of the Sweet Peas

ALL VARIETIES, EXCEPT COUNTESS OF SPENCER—Postpaid. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

Light Pink

STELLA MORSE—Flowers of a peculiar warm salmon-pink. A combination yellow and pink which is distinct and very attractive.

ELIZA ECKFORD—Primrose turning to white.

KATHERINE TRACY—The color is a soft but brilliant pink in wings and standard. Plants vigorous and give a profusion of flowers, which continue large and fine until the end of the season.

Pink and Red Stripes

AURORA—Very large and of fine form. The standard and wings are striped and flaked with delicate orange-salmon-pink over white.

Lavender and Blue

COUNTESS OF RADNOR—Self-colored in a very distinct and beautiful shade of lavender.

EMILY ECKFORD—Heliotrope-blue, wings lavender-blue.

NAVY BLUE—A true blue.

LADY GRISEL HAMILTON—Most attractive light lavender shading; flowers of large size.

Purple and Maroon

BLACK NIGHT—One of the darkest varieties. Oz., 10c; ¼ lb., 20c; lb., 60c.

SHAHZADA—This has a very rich dark maroon standard and deep violet wings. One of the finest dark sorts.

GRAY FRIAR—Flakes and speckled blue and mauve on white.

COUNTESS CADOGAN—Large flowers. The color effect is that of a bright blue.

Orange and Salmon

LADY MARY CURRIE—Large, salmon-pink and shaded with carmine.

GORGEOUS—Brilliant orange-salmon, wings of orange-madder.

QUEEN VICTORIA—Light primrose of hooded form, showing a pink tint in the bud; clear, soft primrose when matured.

Red Standards, White Wing

BLANCHE FERRY—Bright pink standard and nearly white wings.

Shades of Red

LORD KENYON—Magenta-rose, wings veined with a deeper shade.

HER MAJESTY—A delicate rose-pink color.

MAJESTIC—Fiery carmine, wings rose-madder.

SALOPIAN—One of the most brilliant sorts yet introduced. The flowers are of faultless form, large and a rich, brilliant cardinal red.

FIREFLY—Bright and intense crimson-scarlet.

KING EDWARD VII—A lovely, intense crimson. A truly giant-flowered variety. The finest crimson to date. Strong stems and growth.

White

BLANCHE BURPEE—A splendid pure white variety. While not so profuse a bloomer or as hardy a plant as the Emily Henderson the flowers are fine.

EMILY HENDERSON—A bold, well formed, clear white flower. Wings broad and well expanded. An early and wonderfully free and persistent bloomer.

Mixed Sweet Peas

BEST LARGE FLOWERING MIXTURE—This is the best mixture that can be made from existing varieties. The colors are well proportioned and the amount of each is determined by a well-studied and carefully arranged formula, which has been tried and corrected for many years. All the newer and best varieties are in this mixture.

VEGETABLE PLANTS AND ROOTS

Prices given below are by express or freight only. No plants sent C. O. D.

If plants are wanted by mail add 5c per dozen for postage.

We grow large quantities of vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We have made arrangements this year so we can supply all vegetable plants in two grades—plants direct from the seed beds and those that have been transplanted into shallow boxes.

TRANSPLANTED PLANTS are much stronger and better rooted and are well worth the price, especially in the early part of the season. We can supply most of the leading sorts.

ASPARAGUS ROOTS—

	Doz.	100	1000
1 year old.....	\$0.25	\$0.75	\$5.00
2 year old.....	.25	1.00	7.00
3 year old.....	.40	1.50	9.00

RHUBARB ROOTS—

	Each	Doz.	Hun.
1 year old.....	\$0.10	\$1.00	\$5.00
2 year old.....	.15	1.50	8.00

VEGETABLE PLANTS

CABBAGE PLANTS—

	Doz.	100	1000
Early Jersey Wakefield, transplanted	\$0.15	\$0.75	\$5.00
Not transplanted10	.50	3.50
Danish Ball Head and other varieties, red and savoy.....	.10	.40	2.50
CAULIFLOWER, Snowball20	1.00	6.50

CELERY—

Early White Plume, transplanted.....	.20	1.00	6.00
Not transplanted15	.50	4.00
Late kinds, not transplanted.....	.10	.50	3.00

PARSLEY

Sage, culinary herb.....	.50
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PEPPERS, mild for mangoes and the hot kinds

.....	.20	1.00
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EGG PLANTS

.....	.20	1.00
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SWEET POTATO PLANTS.....

.....	.25	1.00	7.00
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TOBACCO

.....	.25	1.00
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CHIVES (Schnittlauch) per clump 25c

.....	.50	2.00
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HOP ROOTS

.....	.50
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MINT ROOTS

.....	.50
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HORSE RADISH SETS.....

.....	.20	1.00	5.00
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Vegetable Plants and Roots--Continued

TOMATO PLANTS

We grow immense quantities of Tomato Plants, and those listed are the very best varieties for the Northwest. We have stock from March until August.

SPARK'S EARLIANA—The tomato that has more favorable comment, perhaps, than any other ever introduced. We highly recommend this variety, especially under irrigation.

DWARF CHAMPION—The great tomato for the home. Showy and attractive in appearance and responds to high culture. Deep, rich red color; superior table quality; unsurpassed.

PRICES FOR TOMATO PLANTS—

	Doz.	100	1000
We have them not transplanted.....	\$0.10	\$0.50	3.00
Transplanted25	1.00	7.00

STRAWBERRY PLANTS

The following list are all tried and standard sorts. All are bisexual, i. e., containing the pistils and stamens, hence are self-polenizers. Prices, 25 plants, 40c; 50 plants, 60c; 100 plants, \$1.00; 1000 plants, \$6.00.

We will be pleased to give you thousand rates on five hundred or more plants of one variety in one order but cannot combine two or more varieties to make the five hundred plants at thousand rates.

MAGOON—Indeed, in this splendid berry we have almost perfection. Of first quality, great productiveness, attractive shape and color; nothing better for canning. It has a fault, however, of not remaining long in good condition, as is so true with all high quality fruits and vegetables.

MARSHALL—Late. Of extraordinary size, rich blood-red color, and having a rich aromatic flavor peculiar to itself, juice like syrup, and almost as sweet. Excellent for canning. The foliage is extra large, grows upright, with round leaves.

HOOD RIVER—The leading standard shipping variety. The berry that has made the town of its name famous, and its growers financially rich. Dark red color, uniform size, good quality but not heavy in yield. A specialty berry for the grower whose market is somewhat distant.

GLEN MARY—A bright, handsome, prolific standard sort, grown the country over and perfectly reliable. Some large growers claim for this the par excellence in strawberries.

WM. BELT—Nothing better for quality, shape and attractiveness. A reliable and trustworthy variety; ripens evenly; prolific and will meet the expectations of the most fastidious.

GANDY—A variety that has not yet today found its equal as a truly reliable and all-round late producing berry. For twenty years since its introduction it has remained at the head of the list in its season although many varieties have been introduced claiming superiority.

We also handle Pansy, Aster and other Flower Plants.

SEED POTATOES

We aim to carry all of the standard varieties Early Rose, Early Ohio, Sunlight, Burbanks, Carmens, etc.

Write for prices, stating quantity wanted.

HERE ARE A FEW HINTS TO THE BEGINNER HOW TO MAKE A HOTBED.

First, pile up some fresh horse manure, not taking too much bedding, and wet it thoroughly. In two or three days it must be turned over, throwing the outside manure in the center of the new pile and breaking up all the lumps. It will have to be turned once more before it is ready to put in the bed. Dig a trench five feet eight inches wide by 24 or 30 inches deep and any length desired. In the trench put the manure that has already been heated, putting a layer of six inches at one time, and then wetting every time till you have two feet of manure, and then top it with six inches of well-pulverized soil. Then make a frame with one or two-inch boards, 12 inches wide for the back, and six inches for the front, and cover with a sash three by six feet. If you cannot get a glass sash, a wooden frame of

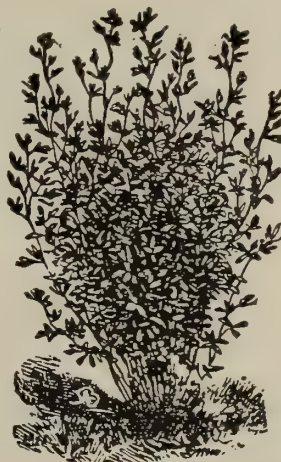
same dimensions, covered with hotbed cloth, will be almost as good. After the soil is on the manure, the bed will commence to heat up, but will be too hot to sow seeds, and it will take about a week before it is safe to sow it. Care should be taken to water the hotbed enough, and ventilate it whenever the weather permits, or the plants will be liable to be damped off and die. Shutters and mats are used for covering the sash at night to prevent too rapid radiation of the heat. Manure stacked against the frame will help to keep the frost out.

Clover and Grass Seeds

As Clover and Grass Seeds prices are continually changing we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity wanted.

Alfalfa, or Lucerne Clover

The most valuable forage plant; is particularly adapted for our Western climate and soil. It requires a deep, mellow soil; newly broken sod does not do so well. It thrives best in a sandy loam, the richer the better, while it has not proved a success on heavy, compact clay soil. In the driest and most sultry weather, when every blade of grass withers, Alfalfa is as fresh and green as in the spring, as its roots go down from 10 to 20 feet to the moisture of the ground. Although a prodigious yielder, it does not exhaust the soil, but rather improves the ground by the decay of its long roots, and converts it into rich ground, full of vegetable matter. The seed may be grown early in the spring, as soon as the frost is out of the ground, in order to catch the spring rains, as it needs moisture to germinate. In localities where irrigation is used it can be sown successfully at any time during the summer months. Most of our successful Alfalfa growers prefer sowing the seed broadcast, while others are more in favor of drilling it in. It is more difficult to establish the first year, but will, when once started, produce a profitable crop; under favorable circumstances three and even four crops are cut yearly, aggregating five to seven tons to the acre. Never sow less than 15 pounds of good, clean seed to the acre, as thin sowing produces thick and coarse stalks not relished by stock. If intended to raise Alfalfa for the seed, 12 to 15 pounds is plenty to sow on an acre. It is worthy of trial in any locality where it has not already been tested. Per lb., postpaid, 35c; 100 lbs., write for prices.



ALFALFA.

Turkestan Alfalfa

This new Alfalfa, introduced from Turkestan, has been experimented with more or less for the past few years. In some places it has proved a great success. In general appearance it is very much like our regular Alfalfa. It is claimed that it will produce a luxuriant growth in the driest and hottest sections without irrigation. It is perfectly hardy and will stand extreme cold in winter without harm. It yields a very heavy and rich crop of hay and makes permanent pasture. We have secured a good stock of the pure, genuine seed, which we offer at the following prices: Per lb., postpaid, 35c; 100 lbs., write for prices.

Dry Land Alfalfa

For high, dry, hot land. We are now able to offer in quantity this new Dry Land Alfalfa, which will produce large, profitable crops of hay and excellent pasture on the high, dry lands of Eastern Oregon, Washington, Idaho and Utah. This is especially recommended for the hills and plateaux which are above irrigation ditches or in sections where irrigation is impossible. The new "Dry Land" Alfalfa is what might be called "a new strain, acclimated to dry land." Price per lb., postpaid, 35c; 100 lbs., write for prices.

PRICES OF GRASS AND CLOVER SEEDS FLUCTUATE

GRASS AND CLOVER SEEDS—Continued

Mammoth Red Clover

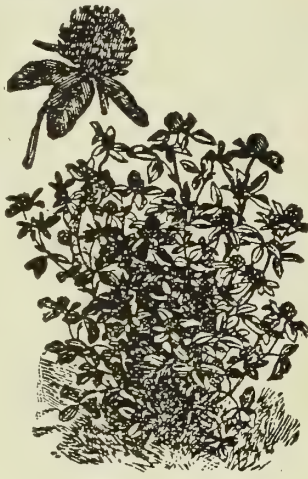
Being a rank grower makes it most valuable for fertilizing purposes. Foliage, flower and stem much darker than common Red Clover; ripens later than the latter, about the time Timothy, Red Top and other grasses ripen, making thereby a much better quality of hay, when mixed with them. Sow 12 to 15 lbs. to the acre. Per lb., 35c; 100 lbs., write for prices.

Alsike, or Swedish Clover (*Trifolium Hybridum*)

A perfectly hardy variety which is rapidly growing in popular favor. It yields large crops of excellent hay, and under favorable conditions may be cut several times during the season. It is also valuable for bees. It is well calculated to resist both drought and excessive moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses. It is perennial and produces a mass of long fibrous roots, which hold the soil, making it useful for permanent pasture on hillsides which are liable to wash. When used alone sow from eight to ten pounds per acre. Per lb., postpaid, 35c; 100 lbs., write for prices.

Red Clover (*Trifolium Pratense*)

The standard clover for all purposes, either hay, pasture or for improving and enriching the soil. It is hardy and succeeds well on any good soil. It yields the heaviest crop of any clover except alfalfa, and makes superior hay—especially if mixed with timothy—either for dairy cows or for general use. Sow from twelve to fifteen pounds per acre, being careful to get it evenly distributed over the ground. Per lb., postpaid, 35c; 100 lbs., write for prices.



RED CLOVER.

White Dutch Clover (*Trifolium Repens*)

A small variety having a white blossom. It is of a vining nature, spreading rapidly and will soon cover bare spots if the stand be even. It does not attain sufficient height to be profitable for hay, but is superior for pasture, either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass. If sown alone, use six to eight pounds per acre. Per lb., postpaid, 35c; 100 lbs., write for prices. Fancy for lawn. Per lb., 40c; 100 lbs., write for prices.

Bokhara, Sweet or Honey Clover (*Melilotus Alba*)

A rapid growing, white flowered sort; excellent for bees. Sow ten pounds per acre. Per lb., postpaid, 35c.

Crimson, or Scarlet Clover (*Trifolium Incarnatum*)

Highly recommended for pasture and fertilizing purposes. It is a thrifty annual, growing from twenty to thirty inches high, and has a beautiful crimson bloom. It germinates quickly, grows rapidly and stools abundantly. Sow from twelve to fifteen pounds to the acre, and harrow it with a light harrow. Cut for hay when in full bloom. Per lb., 30c; 100 lbs., write for prices.

Esperette, or Sainfoin (*Onobrychis Sativa*)

A deep rooting, perennial legume, extensively cultivated on dry, calcareous soils which are too barren for clover or alfalfa. It is rather difficult to establish, as plants are easily killed when young, but when once rooted, will live from ten to twenty-five years. Sow 50 pounds per acre. Per lb., postpaid, 30c; 100 lbs., write for prices.

Timothy Seed



TIMOTHY.

Timothy is a native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. Its popular name, by which it is now known the world over, refers to Timothy Hanson, who did most to make it known and appreciated. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light, sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as, if left later, the hay becomes hard and coarse. It is often sown along with red clover, and the nutritive value of the hay is greatly increased by the mixture. Height, 2 to 3 feet. If sown alone, lb., postpaid, 20c; 100 lbs., write for prices.

Red Top (*Agrostis Vulgaris*)RED TOP (*Agrostis Vulgaris*)

In Pennsylvania and states further south, this is known as Herd's Grass, a name applied in New England and New York to Timothy. It is a good, perennial grass, standing our climate well and makes good pastures when fed close. Is valuable for low, wet meadows, producing a large return in good hay. When sown alone, use twenty-eight pounds of the chaff seed per acre. Sow in spring or fall. Fancy (cleaned from chaff). Sow eight to ten pounds per acre. Per lb., 30c; 100 lbs., write for prices.



RED TOP GRASS.

Tall Meadow Oat Grass (*Avena Elatio*)

hardy perennial much used in the south and west. Its roots penetrate deep, and it thrives on any good soil. It yields a heavy crop and is valuable for both meadow and pasture. If used alone, sow from thirty to forty pounds per acre. Per lb., postpaid, 35c; 100 lbs., write for prices.

Brome Grass (*Bromus Inermis*)

A perennial grass valuable for binding the soil of embankments and on account of its ability to resist both drought and cold. On light, dry soils it is used for both hay and pasturage, but is not recommended for locations where better grasses will succeed. Should be used at the rate of twenty pounds per acre. Per lb., postpaid, 30c; 100 lbs., write for prices.

English Rye Grass (*Lolium Percune*)

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 appearance all winter. Twenty-four pounds to the bushel; three bushels to the acre. Per lb., postpaid, 25c; 100 lbs., \$8.00.

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 twenty pounds to the bushel; three bushels to the acre. Per lb., postpaid, 25c; 100 lbs., \$8.00.

Grass and Clover Seeds--Cont'd**Orchard Grass**

No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drouth, grows well in the shade, does well in wet or poor ground, and is splendid to prevent worn out fields from washing. This grass furnishes excellent pasturage three weeks before any other, and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more and richer milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for winter grazing, as it remains green all season. Per lb., postpaid, 35c; 100 lbs., write for prices.

**ORCHARD GRASS.****Meadow Fescue (Festuca Pratensis)**

A perennial variety growing three to four feet high. It roots deep, but resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pasturage. Valuable to mix with other kinds. Use 20 pounds per acre when sown alone. Per lb., postpaid, 35c; 100 lbs., write for prices.

Canadian Blue Grass (Pea Compressa)

A hardy perennial growing on poorest and driest soils. Short (6 to 8 inches), hard and wiry, but high in nutritive value. Decidedly blue in color. Stems flattened. Invaluable for use on steep places or exposed situations. Sow three bushels to acre. Per lb., postpaid, 30c; 100 lbs., write for prices.

Kentucky Blue Grass

This makes the best, sweetest and most nutritious pasturage for all kinds of stock. Kentucky has long been famous for its high bred horses and its blue grass pastures. It is now possible to establish on most any farm a blue grass pasture of greenest verdure which will give very profitable returns. This grass is the first to start up in the spring and remains green until snow flies in the fall. It is very hardy and is uninjured by cold or dry weather, hot sun or tramping of hoofs. The roots are so thick and stout as to form a tough sod. Blue grass requires about two years to get well started and for that reason it is often sown in mixture with other grasses. It will do well on almost any land. Sometimes called "June Grass." From 20 to 25 pounds of "Sterling" grade seed required to the acre. Per lb., postpaid, 35c; 100 lbs., write for prices.

**KENTUCKY BLUE GRASS.****Wild Rice for Seed**

As an attraction for wild fowl it cannot be equalled. In large ponds and lakes it purifies the water and affords a refuge for small fry from the large fish, also furnishing them plenty of food from the animalculae upon its stalks. For planting in fish ponds it is especially desirable. It also does well along the shores of marshes, and makes a good hay. In the south two crops can be cut, and all cattle are very fond of it. Per lb., postpaid, 35c.

How to Make a Lawn

The ground should be spaded deeply and thoroughly, and a good compost of decomposed and finely pulverized manure or rich loam spread over the ground. It would be well, also, to give a sprinkling of bone dust. Then use a slanted tooth harrow and a light or medium roller until the soil is smooth, even and firm. Then sow the seed and harrow again and smooth off with a common garden rake. When the grass has grown 2 or 3 inches in height use the lawn mower, gauged to cut full one inch above the ground; repeat the same as often as it grows to that height. The weeds and fowl grass can be kept down and destroyed by the repeated mowing. If this is neglected they will spread and take possession of the soil, but being constantly clipped, the leaf and seed stalks are destroyed and the fowl vegetation disappears.

As a guide for the proper quantity to order, we may state that one pound of Fancy Mixed Lawn Grass Seed is sufficient to thoroughly sow an area of 20 feet by 15 feet—300 square feet. It should be borne in mind that in order to produce the best results grass seed for lawns should be sown at least thrice as thickly as if sown for hay.

As soon as the grass has become well established a dressing of good Lawn Fertilizer is necessary to keep up that beautiful fresh appearance.

LAWN GRASS**Our Own Mixture**

This is especially fine. Carefully prepared. Will give best results. Per lb., postpaid, 35c; by express, 10 lbs., \$2.50.

FIELD AND MISCELLANEOUS FARM SEEDS**Millets**

GERMAN MILLET—No other grass or forage plant has been able to produce the enormous yield of this plant. It has produced four to five tons of hay to the acre, and from 70 to 80 bushels of seed. It is sown in the spring on newly broken prairie, and after harvesting it leaves the ground in the finest condition for wheat. Sow 25 to 40 pounds to the acre. Lb., postpaid, 20c; 100 lbs., \$4.00.

MANITOBA, OR HOG MILLET—Very rich and thus especially valuable as a hog food. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay after being threshed will make excellent fodder. Sow same as other millet. Lb., postpaid, 20c; 100 lbs., \$4.50.

NEW SIBERIAN, OR RUSSIAN MILLET—Is claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all the essential merits of any of the older sorts—exceeding them by far—besides many other points of excellence that distinguish it and render it a most valuable addition to the list of forages, and, if the claims are well founded, destine it to take front rank, and if not lead all the rest. The claims made by its introducers are that it is from two to three weeks earlier than the German Millet, is a much heavier cropper, that the hay is much finer, stalks more elastic and growing much taller, that it is rust proof, and chinch bugs do not relish it, and being of stooling habit, requires much less seed per acre. You should try it. Lb., postpaid, 20c; 100 lbs., write for prices.

If you want some Fine Asters, Order Hohenzollerns

GRASS AND CLOVER SEEDS—Continued

EARLY FORTUNE—A most promising new sort, of which astonishing yields are reported. It is very early and claimed to be rust proof. Per lb., postpaid, 20c; 100 lbs., \$4.50.

HUNGARIAN MILLET—This grass resembles Millet very much. It is of fine growth, and makes an excellent hay. It has numerous succulent leaves, which furnish an abundance of green fodder, taken by all kinds of stock. Sow 25 to 30 pounds to the acre. Lb., postpaid, 20c; 100 lbs., \$4.50.

Buckwheat

SILVER HULL—A very good and popular variety. Grain is of light gray color, rounder than the common; has a thin husk; matures earlier and yields heavy. A good milling variety. Per lb., postpaid, 15c; 100 lbs., write for prices.

JAPANESE—This variety excels all others; yield much heavier; ripens one week to ten days earlier; stands up better and makes better flour. Excellent for bee pasture. Per lb., postpaid, 15c; 100 lbs., write for prices.

Dwarf Essex Rape

Main standby of the English farmer in raising choice mutton. Perfectly hardy, and of remarkable fattening properties. Easily grown. One acre will pasture 36 head two months, and lambs will make a gain of from 8 to 12 pounds per month. Pigs and cattle are also extremely fond of it. A very rank grower and bears heavy manuring and high cultivation. Sow at intervals of several weeks and secure a supply of good feed. Sow in June. Rape should be fed in August, though if a first crop be cut about four inches from the ground an after growth would be useful later. For breeding flocks a piece should be sown first week in July or later. Does well sown with oats. If soil is rich and clean sow broadcast, otherwise in drills and cultivate same as corn. Poultrymen will do well to grow a small patch to feed green to growing chicks. Can be sown on wheat stubble, furnishing excellent pasture late in the fall. Broadcasted it takes 8 to 10 pounds to the acre. Lb., 25c, postpaid, express or freight; 10 lbs., \$1.00; 100 lbs., \$8.50.

THOUSAND HEADED KALE

The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen; endorsed by Agricultural Colleges and Government Stations. ¼ lb., 20c; lb., 50c.

Field Peas

“Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars.”—(Yearbook of the U. S. Department of Agriculture.)

For the northern states there is no crop of greater value than Field Peas and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the Peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture.

Canada Field Peas

This pea is adapted to cultivation in Washington, Oregon and British Columbia. This should be sown in early spring, at the same time as grain, using from one to one and a half bushels of peas and an equal quantity of either wheat or oats or barley. The crop is ready to cut for hay when the dominant variety in the mixture is nearly ripe. If there is more peas than grain, then the yellowing of the peas and pods marks the time for cutting, or if the grain exceeds the peas, then crop should be cut when the grain is in the dough stage. Per lb., postpaid, 20c; 100 lbs., write for prices.

Good fruit can only be produced by the proper spraying of trees at the right times of the year.

Vetches, or Tares

One of the best forage plants that can be grown on the Pacific coast. Often called Fall Vetches. This is a species of the pea, and is grown very extensively in Oregon and Washington. It furnishes an abundance of excellent feed either green or dried. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Weight 70 pounds per bushel. Sow in the early spring. Per lb., postpaid, 20c; 100 lbs., write for prices.

Vetches, Sand or Winter (Vicia Villosa)

This variety thrives on poor, arid, sandy soils. It is sown either in the fall or spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears and afterward for seed. The plant is perfectly hardy and makes a very nutritious food. Per lb., postpaid, 25c; 100 lbs., \$12.00.

Sugar Cane, Early Amber

The high value of northern grown sugar cane for fodder and ensilage is becoming rapidly known. It may be made to furnish the principal food for cattle and horses from August until the following spring. When fed down young as a pasture it grows rapidly again. It also withstands severe drouth with the best of this kind of plants. As a fodder and for winter feed it is one of the most economical. The Early Amber is the best variety for sugar, and it matures quickly. Per lb., postpaid, 25c; 10 lbs., \$1.00; 100 lbs., \$5.00.

Soja Bean

A very valuable fodder plant, either for feeding green or for the silo. It is a rich food and is unsurpassed for forming flesh. Sow 30 pounds per acre in the spring after the ground becomes warm. Like clover, it improves the soil by drawing nitrogen from the air. Very productive. Per lb., postpaid, 25c; 100 lbs., \$9.00.

Sunflower, Mammoth Russian

The largest and most productive variety. Heads often 12 to 20 inches across. Every farmer should plant a few rows at least. It makes one of the very best of foods for poultry; a great egg producer. 1 lb., postpaid, 25c.

Kaffir Corn

An excellent fodder plant, yielding a large crop of fodder during a season. Grows four to five feet high; upright stalk, with numerous large leaves. Greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding 60 bushels to the acre. It does best sown in drills three feet apart, using six to eight pounds of seed per acre. Per lb., postpaid, 20c; 100 lbs., \$4.00.

Broom Corn, Improved Evergreen

This is the most popular variety of broom corn to grow for the market the brush being firm and of good length, and retaining the light green coloring when properly cured. Per lb., postpaid, 20c.

We carry a full line of bee-keepers' supplies. Space is too limited here to describe the numerous articles in this line, but if interested write us for further particulars, and we will be pleased to quote prices on supplies of all kinds, of the latest and most approved makes.

Seed Grains

Recleaned

We give special attention to our Seed Grain Department. Having one of the best cleaning plants in the Northwest, we aim to have our prices as low as possible consistent with quality.

Seeds cannot be manufactured and the value of them always depend on the quantity that has been produced, which is found to be of a quality that meets the standard suitable for seed purpose. When shortages develop prices go up. When the supply is abundant prices go down.

Owing to the very great shortage of grains this year we are unable at the time of going to press to say just what varieties we will be able to procure or what price we can quote.

Therefore, we are listing only the standard varieties. When ready to buy, write us giving quantity wanted and we will quote you at once.

Recleaned Wheat—Spring

BLUE STEM—A remarkable, semi-hard spring wheat, yielding large crops, free from rust. The millers here pay more for it than for any other sort. It is fully equal to the old Fife Wheat, and yields a very much larger crop. It is now the main crop in the northwestern states, and the great milling kings use it for their leading grade of flour. It has been the most reliable variety year after year, yielding a good crop when other kinds failed. One of the best varieties for hay.

SONORA—Light colored small kernel, medium hard. A variety much used for breakfast foods.

White Australian

Light colored large kernel, somewhat resembles blue stem. A variety sometimes used for hay.

Recleaned Wheat—Winter

JONES FIFE—A medium hard red variety, less likely to shell than many.

MARTIN AMBER—Medium light kernel, much used for hay and cereal foods.

GOLD COIN—Light colored grain, very hardy and a good yielder.

Recleaned Rye

Rye is a valuable and very hardy crop producing green fodder either in the early spring or late fall. It is considered preferable to wheat because it is harder and protects the young grass, matures before other crops come in and can be sown on soil too poor for other cereals.

SPRING RYE—Spring Rye is an excellent catch crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. We call particular attention to the fact that we offer genuine Spring Rye. Many have been disappointed in receiving winter rye as a spring variety, and we wish to emphasize the fact that we sell the **Genuine Spring Rye**, sown in spring and harvested the same season. We now offer an extra fine grade and to insure receiving all your requirements we advise placing your order early. **100 lbs., \$2.50.**

WINTER RYE—The value of Winter Rye is becoming more apparent every year. It is much hardier than wheat and can be grown on a greater variety of soils, even on soil that would not produce a fair crop of wheat. It will thrive even in dry seasons and on light sandy loam. It is grown not only for grain, but for fodder and soiling purposes also. When sown in the autumn it starts up very early in the spring and is ready to cut or pasture when about six inches high. It is often plowed under at this stage of its growth as it is then in condition to add great fertility to the soil. Rye does not exhaust the soil as do other grains and can be cultivated longer on the same land than any other crop on the farm. **100lbs., \$2.50.**

Barley

BEARDLESS BARLEY—Very early and free from beards; handles as easily as Oats making a stronger feed. Makes magnificent hay for work horses. Sow as early as you can; frost will not hurt it. **100 lbs., \$2.50.**

WHITE HULLESS—The earliest variety of Barley known. If sown in September will ripen about the end of June. Grain is flinty and translucent, not unlike wheat, and weighs about 60 lbs. to the bushel. It will yield a magnificent crop of hay, free from beards. Should be sown about $1\frac{1}{2}$ bushels per acre. This is less than common barley. **100 lbs., \$2.50.**

Recleaned Seed Oats

We always aim to have a selected, re-cleaned stock of standard varieties. Write for prices.

Kill the Smut in Your Grain

If there is smut in your Wheat seed destroy the smut and persist in it; you should also insist that your neighboring wheat growers endeavor to destroy the smut. This trouble is becoming very prevalent. Smut must be destroyed if wheat is to keep up its high grade of milling qualities.

Remedies for Smut

Bluestone, market price; use 1 lb. to 5 bu. grain.

Formaldehyde, 1 lb. bottle, 40c; use 1 lb. for 40 to 50 gallons of water.

Flax Seed

RECLEANED FOR PLANTING—Per lb., postpaid, 20c; **100 lbs., \$5.00.**

GROUND FLAX—For medicinal uses. Per lb., 10c; **100 lbs., \$5.00.**

OIL MEAL—For feed purposes. **100 lbs., \$2.75.** Special prices in quantity.

Bird Seed

CANARY—Per lb., 10c; 3 lbs., 25c.

HEMP—Per lb., 10c; 3 lbs., 25c.

RAPE—Per lb., 10c; 3 lbs., 25c.

MILLET—Per lb., 7c; 10 lbs., 50c.

CUTTLE BONE—2 for 5c.

SUNFLOWER—Per lb., 10c.

For Arsenate of Lead and prices for same,
see page 41

Incubators and Brooders

THE MODEL INCUBATORS

Made by Chas. A. Cyphers.

(For fuller description write for Catalogue.)

The name of Chas. A. Cyphers is known to every poultry raiser who knows anything about the various incubators and brooders on the market. He is now putting out the Model Incubators, which is in every way the best and most popular incubator made, backed by years of experience in the manufacture of incubating machines. The outer case of the Model Machine is chestnut, which holds a glue-joint better than any other wood and will not warp. It also makes a most handsome appearance. Each machine has double

walls, packed with the most efficacious insulator known. The heater is constructed of the best grade of galvanized iron, heavily insulated with an asbestos jacket, and placed outside the incubator. In this improved machine the air does not return from the egg chamber to the heater, but is exhausted through a porous bottom in the hatching chamber directly to the outer air, fresh warm air taking its place.

The Model contains the most perfect heat controller in existence. Strong, yet active; sensitive, yet positive—perfect in action.

Improvements on Model Incubators for Season of 1908-9 are most valuable.

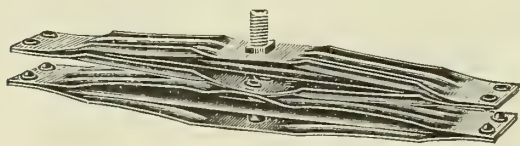
Incubators and Brooders--Cont'd

FIREPROOF HEATING APPLIANCE

The 'Model Patent Fusible Link' puts the flame out should it smoke. With this device it is impossible for the lamp to explode. It makes the Model Heater safer than a house lamp. Furnished free this season with Model Incubators. Links sold separately to old customers.

Sirs: I received the lamp all O. K. The hatch is off. I have hatched in the Cyphers Model 220 chicks out of 223 fertile eggs. I think that is not so bad for a new hand. I recommend the Cyphers Model to old and new hands in the chicken business. Yours respectfully,
G. H. CRANE, Rockford, Wash.

The Model Corrugated Leaf, Compound Thermostat

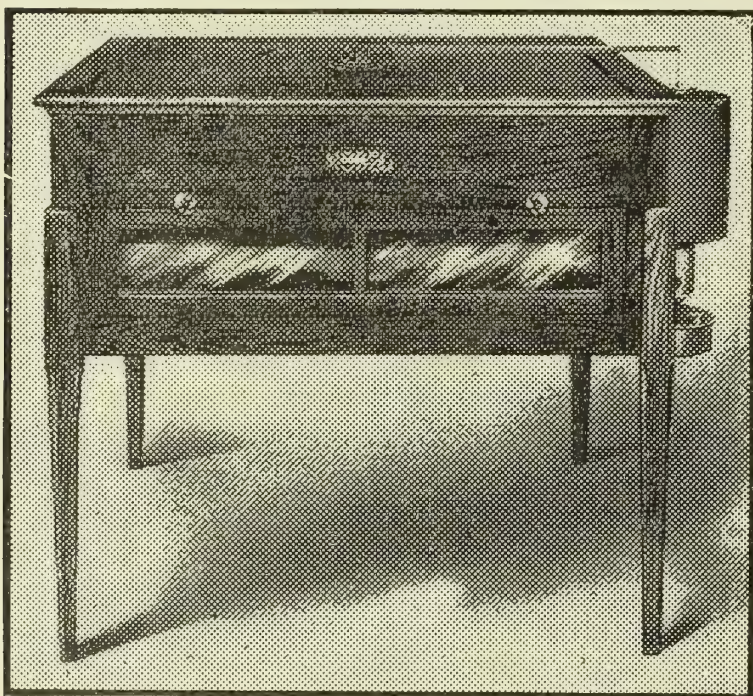


This thermostat has three corrugations in each leaf; is exceedingly strong and rigid; is not easily damaged; and is so positive in action that the entire movement given off by the different coefficient of expansion between the two metals of which it is made is transmitted to the controlling device without any loss of movement.

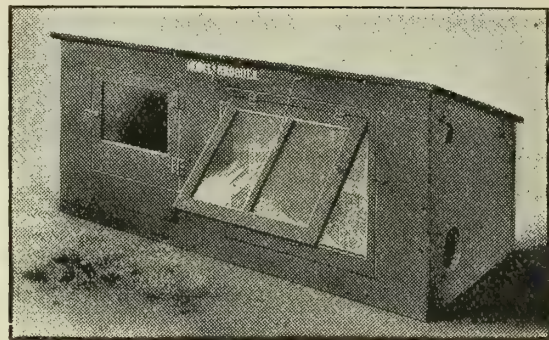
The Model Incubator gives a perfect heat control, which stimulates and holds the germ development uniformly constant and normal, as a hen. This wonderful hatcher has almost a perfect balance in ventilation and humidity, and supplies all the vitalizing principles found under the incubating hen.

PRICES OF MODEL INCUBATORS

No. 1—140 to 150 eggs.....	\$23.00
No. 2—240 to 250 eggs.....	32.00
No. 3—360 to 370 eggs.....	38.00
No. 4—Special 410 to 420 eggs.....	43.00



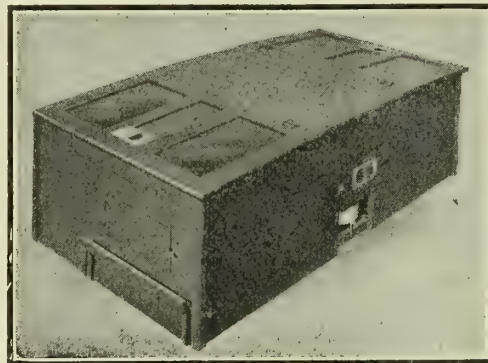
Model No. 2



Model Colony Brooder

This brooder, an entirely new design last season, at once met with popular favor; and it is safe to say that no brooder ever gave as universal satisfaction as did this brooder. It excels all other artificial mothers as much as incubators of my design do all other hatching devices. It stands without equal in design as well as in efficiency. Price \$17.00.

Model Double Indoor Brooder



This brooder is made both single and double, the latter to take the place of sectional brooders. In a sectional brooder a surplus lamp heat is dissipated in the outer air. In a Model Brooder the lower temperature is equable and the surplus heat keeps up the temperature of the nursery. The double brooder is partitioned in the middle, making two distinct compartments, while it takes but one lamp to heat both sides. Price \$17.00.

The Cycle Hatcher

The Cycle Hatcher is designed to take the place of the hen and supply the wants of beginners in poultry raising or many that do not wish an expensive outfit. These machines hold 50 eggs and are so constructed that the supply of heat comes from the center and is radiated in all directions like the rays of the sun, carrying with it an abundant supply of fresh, heated air that is required to travel only six inches to reach every egg in the extreme portions of the nest. The heat is governed by a double wafer regulator that is placed so close to the eggs that it is sensitive to the natural heat of the growing embryo chick in the egg as well as the supplied heat from the lamp. The Cycle Hatcher is too simple in construction to require any long description of details, as the cut of the nest and complete machine show practically all there is to it. Price, complete, \$6.00.

The Philo System

The new book, The Philo System of Progressive Poultry Keeping, gives full particulars regarding wonderful discoveries with simple, easy-to-understand directions that are right to the point and fifteen pages of illustrations, showing all branches of the work from start to finish. Price \$1.00.

INCUBATORS and BROODERS—Continued

Galvanized Lampless Brooder

These Brooders are round and lined with the best quality of waterproof, non-conducting material to retain the heat and make them easily cleaned. The cloth cover is attached to a wire frame and is adjustable to any height, that they may be easily raised as the chickens develop. There is a mattress or quilt three inches thick, filled with finely picked non-conducting material, a combination of wool and cotton, which makes the very best quality of heat-retaining material for the lampless brooders. This quilt is laid on top of the adjustable cloth cover and retains the heat in a manner which has enabled us to raise chickens without lamps in a temperature below zero. Price, each, \$3.50.



CHURCH'S
Safety Brooder
Lamp

Church's Safety Brooder Lamp

The latest and best lamp for the brooder; requires no chimney; never smokes, but burns a steady flame. The air fingers carry fresh air direct to the flame. This gives perfect combustion and more heat for a given amount of oil than with any other burner. A water chamber is on top of lamp to keep oil and burner cool, and prevent any chance of explosion. Price \$1.00.

Large Lamp for Model Incubator and Brooder.....	\$1.10
Small Lamp for Model Incubator and Brooder.....	1.00
No Chimney Burners with collar.....	.50
No. 1—Burners, postpaid.....	.30
No. 2—Burners, postpaid.....	.40
No. 3—Burners, postpaid.....	.50
No. 1—Chimneys, postpaid.....	.25
No. 2—Chimneys, postpaid.....	.30
No. 3—Chimneys, postpaid.....	.35
No. 1—Wicks, postpaid, per doz.....	.20
No. 2—Wicks, postpaid, per doz.....	.20
No. 3—Wicks, postpaid, per doz.....	.25

Brooder Fixtures

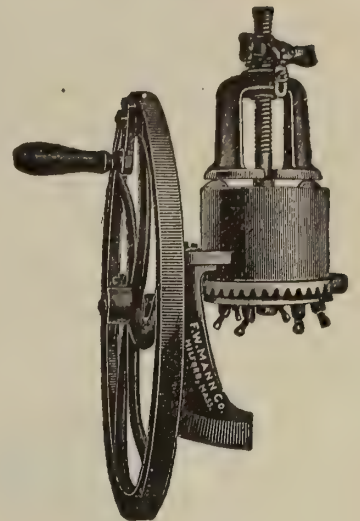
To those wishing to make their own brooders we can furnish fixtures for the Common Sense Brooders. In the past three years we have sold hundreds of these to poultrymen, and wherever used they have given satisfaction. The fixtures include Safety Lamps, Thermometer and set of Irons. Price, complete, \$3.25.

We have no printed directions for making, so it is advisable to secure one already set up as a pattern.

Mann's Green Bone Cutters

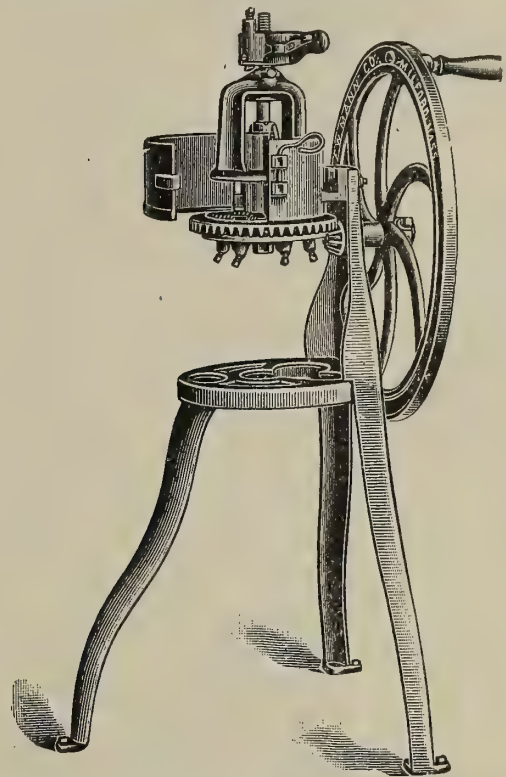
MANN'S NO. 5 B—Has four knives, large cylinder, and has the latest patent (automatic, governing spring feed) which makes it one of the best. Price, \$10.50.

NO. 5 B. M.—Mounted on iron stand, no expense to set it up. Place for pan to catch the bone. Patented automatic governing spring feed. Cylinder, 6 inches diameter, 4 inches deep. Cutter plate has four knives instead of three. Will cut faster and easier than other types costing twice as much. Weight 85 pounds. Price, \$14.00.



No. 5 B.

Mann's Bone Cutters



MANN'S NO. 7—The New No. 7 is mounted on strong iron stand, and has patent automatic governing spring feed. Large, open-hinged cylinder giving instant access to all working parts; has six knives, gear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.) Price, \$15.50.

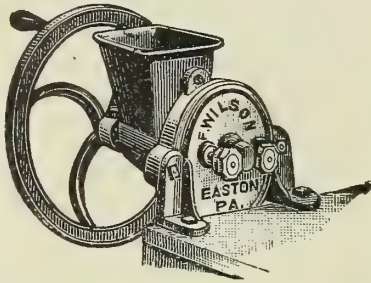
MANN'S NO. 7½—Adapted to run either by hand or by power, without any change. The particular advantage of the No. 7½ is that while it is a complete power machine, it can be operated by hand just as easily as the No. 7. Thus, it is always ready for use. It is recommended even if you have no power at present, for should you get power in the near future, you need be at no further expense. Price, \$21.00.

MANN'S NO. 11—About the same as No. 7½, except that it has a larger cylinder and greater holding capacity, different design and larger table. Price, \$33.00.

A good Bone Cutter is almost indispensable if you want to get the best results. They soon pay for themselves

The Wilson Dry Bone Mill

No 1 is a practical mill, grinding all kinds of shells, crockery, grit, burnt or dry bone feed, etc. Instantly adjusted to grind coarse or fine. Weighs 33 pounds. Diameter of hand wheel, 20 inches. Price, \$5.00.

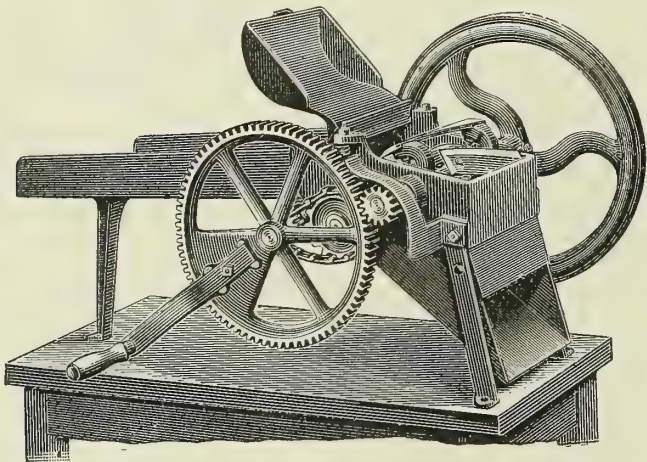


Black Hawk Mill



WITH A BLACK HAWK MILL in the house you crack the corn or grind any kind of grain to whatever degree of fineness you desire or which ever will best suit the use or condition of your chickens. Its wide range of usefulness, its durability and small cost will appeal to the family in town with a small flock in the back yard, and it has a large enough capacity to meet the needs of those in the country who keep poultry on a big scale. Price, \$3.00.

**“New Model” Clover Cutter for Poultry
Removable Steel Knives—Adjustable
Cutter Bar—Runs Easy—Cuts
Fine—Is Durable**



The “New Model” Clover Cutter is designed for cutting, either green or dry, such growths as clover, alfalfa, vegetable tops, etc., into 1/8 inch length. These growths are the cheapest and most productive egg-forming poultry foods for cold weather.

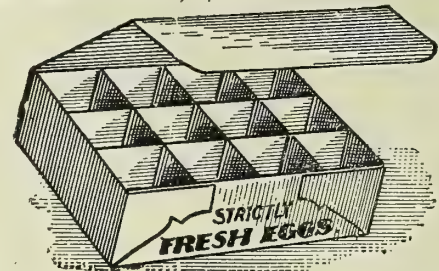
The “New Model” is made only of iron and steel, from entirely new patterns. It is a strong feeder, has large capacity, runs unusually easy and will do perfect work indefinitely. Length over all 28 1/2 inches.

The machine is intended to be mounted on a box or bench at any height to suit the operator.
Price, with four 7-inch knives.....\$10.00
Price, with extended shaft and pulley for power..... 12.50

Banner Root Cutter No. 7

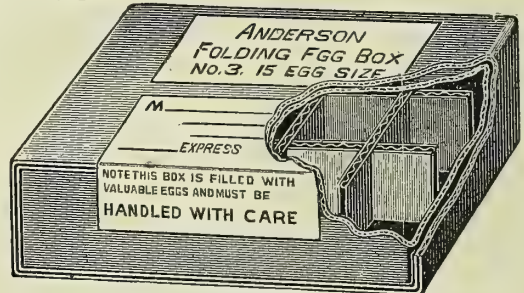


This is an illustration of the Banner No. 7, Root and Vegetable Cutter, a machine made expressly for poultrymen. It quickly cuts vegetables into long, round, ribbon-like slices, that resemble a bunch of angle worms, which fowls readily eat up to the last morsel. The value of this kind of food once or twice a day, as an egg producer, is unequalled. It also puts the fowls into a fine, healthy condition, acting as a general tonic and laxative. This machine will pay for itself in a short time. It is a valuable addition to the poultry house and comes to us highly recommended by the best poultry experts in the country. Price, Banner Root Cutter, \$5.50.



Paper Egg Boxes

Intended for use in delivering eggs to private families. If you have a select egg trade you should use this box. They ship knocked down at a low rate. 1 doz., 20c; per 100, \$1.00; per 1000, \$9.00.



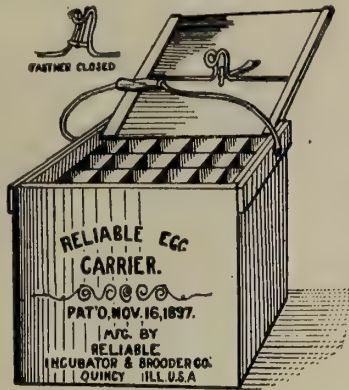
Set up ready to ship.

Anderson Folding Egg Boxes

Made of heavy corrugated paper. The greatest advantage in it is that they can be bought K. D. (in the flat), and the express or freight will be about one-sixth of what it has been on the old style boxes. Only a few seconds' work to set the box up, pack it with eggs, and address it. These boxes are light, but very strong, being firmly braced, and will stand the weight of several hundred pounds without crushing.
No. 3—15-Egg Size, 20c each, 6 for \$.95; dozen, \$1.75
No. 4—30-Egg Size, 25c each, 6 for \$1.35; dozen, \$2.50

Reliable Egg Carrier

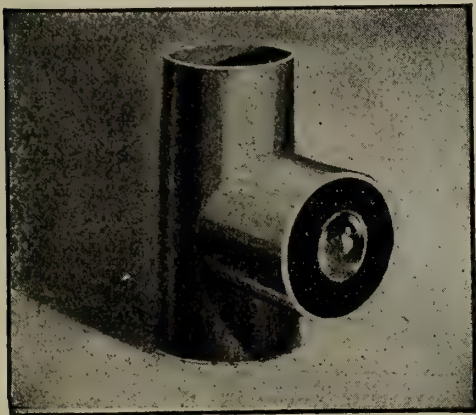
Nicely painted; equipped with the very best fillers. Patent top and sling handle. Holds twelve dozen. (See cut.) Price, each, 75c.



Sanitary Self-Feeding Boxes

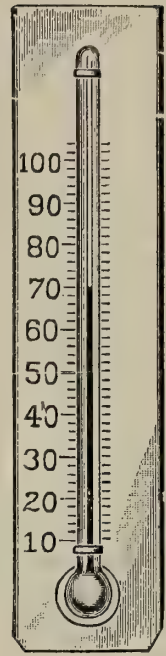
Made of heavy galvanized iron. Soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all times. Price, 75c; larger size, \$1.00.

Standard Egg Testers



Best lamp tester made. Will fit any No. 2 burner. Price, 25c; postpaid, 40c.

High Grade Tested Thermometers



The best incubators and brooders manufactured are worthless unless the thermometers therein are correct. The thermometers here listed are guaranteed by the manufacturers to be thoroughly and expertly tested before they are offered to the public. Price, incubator thermometers, 75c postpaid. (Hang it from the top of egg chamber so it touches the eggs.) Brooder thermometers, 50c postpaid.

The "Triumph" Caponizing Set



There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple, and with a "Triumph Caponizing Set" any boy twelve years of age can perform it with safety and thoroughness. Capons, as anyone knows, sell on the market as a rule from five to eight cents per pound higher than any other chickens. The demand for capons is always good, is steadily growing, and at this time a better market is assured the producer in this field than any other. Now is the time to get into the caponizing business, and the first thing to start right is to buy a "Triumph Caponizing Set." No more efficient, simple or more easily operated set is being offered the craft today than the Triumph, and you will make no mistake by selecting the Triumph set.

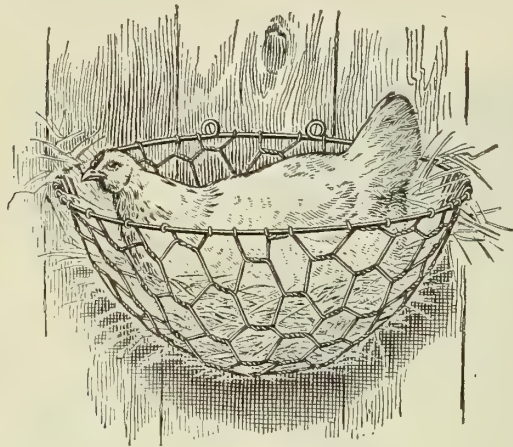
PRICES
 Set in plush-lined, cloth-covered case.....\$3.00
 Set in polished hardwood box 2.75
 Set in Japanned wood box 2.50
 We pay transportation charges within the United States

Insect Powder Blowers

ASPINWALL—Excellent for blowing powder on vines and bushes. Price, \$1.25.
JUMBO—Price, 25c; postpaid, 35c.
DEFENDER—Price, 15c; postpaid, 25c.

SEND US YOUR ORDERS EARLY AND AVOID DELAY.

Wire Nests



Plain Nests. These nests are strongly made from heavy japanned steel wire and will last a lifetime. They are intended to be fastened to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind: they are easy to keep clean and are far superior to wooden boxes. Price, each, 20c; per dozen, \$1.50.

NEST EGGS

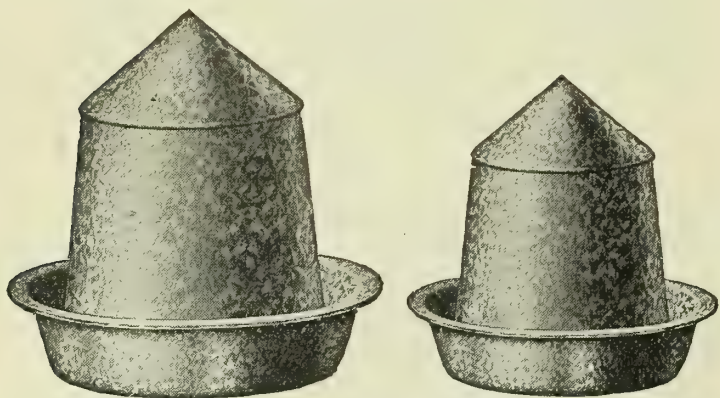
Glass Nest Eggs

Perfect in shape and easy to clean. Three for 10c; per doz., 30c; postpaid, 55c.

Hygea Lice-Killing Nest Egg

A combined nest egg and lice killer. By simply using it in the nests in the same manner as an ordinary nest egg is used laying hens are cleared of lice and mites, and are able to occupy the nests with comfort. Do not accept worthless substitutes. Each, 10c; doz., postpaid, 85c; by express or freight, doz., 60c.

Drinking Fountains

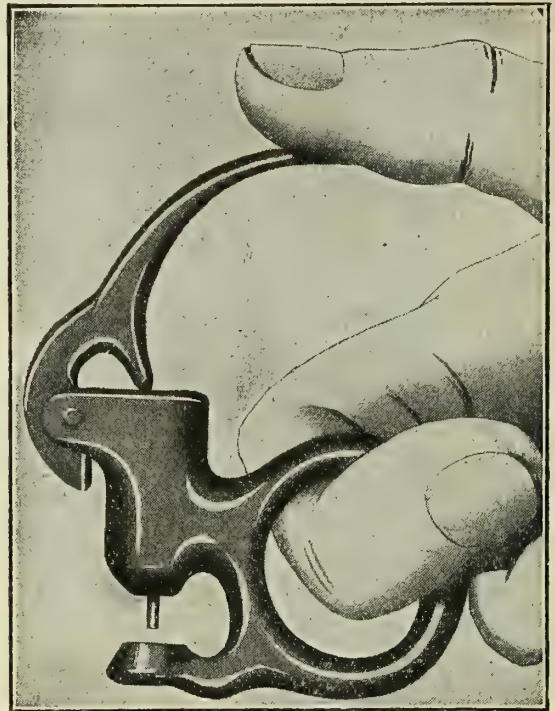


The Galvanized Iron Drinking Fountains embody every good feature of a down-to-date drinking fountain, and are believed to be the best in use. They have done much to supplant the old-style earthenware fountains which could not be thoroughly cleaned and purified. A fountain that cannot be easily and readily cleaned out, and in which water soon becomes sour, is highly objectionable. A fountain that will burst if the water in it freezes is also an annoyance and a source of loss. These fountains are easily filled, easily cleaned and kept clean. The interior of these fountains can, after being scalded, be exposed to the sun, and thus sweetened and kept wholesome. If placed in the shade in the summer time the water will keep very nearly as cool as in an earthen vessel. Prices, 1 qt., 25c; 1/2 gal., 35c; 1 gal., 50c; 1 1/2 gal., 70c; 3 gal., 90c.

Wall Fountains

Price, 1-gallon size, 65c.

Poultry Punch



If you keep a record of your chicks, of the different breeds, hatches, strains, etc., there is no better, quicker or easier way than by using our latest invention, the Acme Spring Lever Poultry Punch for marking the web between the toes. Price, 35c postpaid.

Champion Leg Band



The oldest and most popular band on the market. This band is made in one piece in two sizes, adjustable to fit any fowl. They will stay where you put them. Held by double lock, it is impossible for them to lose off. Made of aluminum or copper in two sizes, large size for Asiatic class and turkeys; small size for Plymouth Rocks and all smaller breeds. Price, postpaid, 12, 15c; 25, 30c; 50, 50c; 100, 80c.

Aluminum Pigeon Bands

Pigeon Bands are seamless and open, with number.

PRICE, POSTPAID

Seamless, 12, 30c; 25, 60c; 50, \$1; 100, \$2.
Open, 12, 20c; 25, 35c; 50, 60c; 100, \$1.
We are Headquarters for Poultry Wire.

Pacoruco

The Durable Smooth Surface Roofing

A slate colored, tough, leather-like material, made from a combination of wool-felt and the highest grade natural asphalt.

Not affected by water, acids, alkalies, gases or sudden changes in weather. Neat in appearance and easy to lay. Will not dry out, become brittle and break.

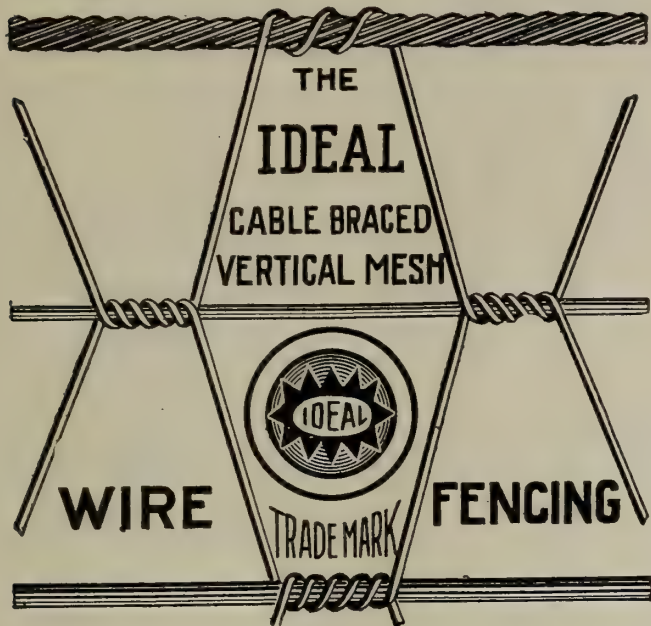
Pacoruco Roofing does not contain coal tar, Texas or California residuum (alleged asphalt), stearin pitch or candle tar. It is composed of the highest grade natural asphalt known. What is the composition of the "oids" and "ites"? Ask those who manufacture them and see if they will tell.

Made in four weights and put up in rolls to cover 100 and 200 square feet.

- 1 ply, per 100 square feet.....\$2.60
- 2 ply, per 100 square feet..... 3.25
- 3 ply, per 100 square feet..... 4.00

Write for price in large quantities.

Wire Fencing



This cut shows the construction of the "Ideal" Poultry, Rabbit and Lawn Fencing. The "Ideal" combines strength, durability and neatness of appearance. It is flexible, and readily adjusts itself to uneven surfaces without buckling. Stretches in firm, straight lines without rail supports, and as compared with ordinary netting of same gauge wire, the "Ideal" in the complete fence is much cheaper, as fewer posts are used and no top or bottom rail is required to keep the fence from sagging or narrowing together between the posts. We also use the cabled selvage in the "Ideal" Poultry and Rabbit Fence, which, combined with the great multiplicity of horizontal wires, makes it a very strong, durable fence. Bear in mind that the bars in the "Ideal" fencing are only two inches apart. Put up in 10-rod rolls.

PRICES

PRICE TWO INCH MESH

12 inches high, per roll, 10 rods.....	\$1.25, 5 roll lots, \$1.10
24 inches high, per roll, 10 rods.....	2.25, 5 roll lots, 2.00
36 inches high, per roll, 10 rods.....	3.10, 5 roll lots, 3.00
48 inches high, per roll, 10 rods.....	4.15, 5 roll lots, 4.00
60 inches high, per roll, 10 rods.....	5.25, 5 roll lots, 5.00
72 inches high, per roll, 10 rods.....	6.25, 5 roll lots, 6.00

ONE INCH MESH—150 FEET

18 inches high, per roll.....	\$3.25
24 inches high, per roll.....	4.25
36 inches high, per roll.....	6.00

M. M. S. Poultry Fencing



The M. M. S. wire being only one inch apart at the bottom requires no board to prevent little chicks passing through. Also saves buying expensive one inch mesh wire.
 60 inches high, 165 feet long, per roll.....\$5.00
 72 inches high, 160 feet long, per roll..... 6.00

Poultry Foods

Church's Chick Feed

The experience of poultry raisers is the same the world over. Everybody knows that the first few weeks is the critical time—that's when the distressing losses come—losses that are so severe that about one-half of the people who engage in poultry raising are driven out of the business, the weak unused stomachs of newly hatched chicks cannot suddenly accustom themselves to the illy adapted, poorly balanced foods that are supplied. Unbalanced food means failure of digestion, and that means decrease of an already low temperature, chills, bowel troubles, "sleepy disease" and almost certain death. By using Church's Chick Food you can give the chicks just what nature intended they should have, a food composed of grains (cracked), small seeds, grit, bone, dried sweet meat (to take the place of insects and bugs), charcoal, etc., etc., mixed in the right proportion to produce a quick and profitable growth without loss. You can raise so many more chicks by feeding it, that it is the cheapest food you can buy. Price, 25 lbs., 95c; 50 lbs., \$1.70; 100 lbs., \$3.25.

Church's Balanced Ration

This is a complete food ground and ready to mix with water, hot or cold, according to the season. It contains all the ingredients necessary to promote quick growth, to produce eggs and to keep the birds in a good condition, summer and winter. Random and haphazard feeding is no longer profitable. Try this food and be convinced. We have thoroughly studied the subject of food for fowls and know this mash will give you the desired results. It is no more trouble to feed than a bucket of ordinary food, which is often as good as wasted, as the results are not generally satisfactory. To be successful you should make every pound of feed show results. Church's Balanced Ration costs only a little more than wheat or corn and is of twice the value. Try it. Price, 80 lb. sack, \$1.60.

Church's Scratch Food

This is a balanced ration, all grain poultry food, composed of the choicest grain and other ingredients. In the first place, our factory is situated where we can get the best of Northern-grown wheat, to this is added sunflower, corn, oats, peas, kaffir, rape, millet, oyster shells and grit in just the proportion that several years of experience has demonstrated is right. Every practical poultry man will readily concede that such a diversity of the most valuable feeds will put hens in just the right shape for laying. Price, per 100 lbs., \$2.25.

Armour's Beef Scraps

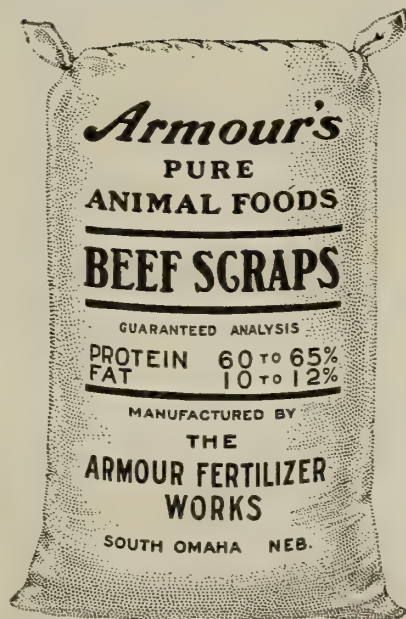
The object in buying Beef Scraps or Meat Meal is to obtain the largest amount of digestible protein possible, as protein is what you are in quest of to balance your ordinary Farm Foods and grains. Armour's Beef Scraps contain from 55 to 65 per cent of protein, 10 to 12 per cent of fat and less than 5 per cent of ash.

The guarantee on protein gives you an approximate value of the feed, but the percentage of ash contained tells you whether you are buying pure meat product or not. Price, 100 lbs., \$4.00.

Armour's Dried Blood

One great reason why hens do not lay in winter is because they are not supplied the proper elements to produce the yolk of an egg. This can be remedied by the use of Dried Blood or Beef Scraps. Blood is the highest concentrated form of animal food and prepared so as to include all the elements of the so-called Red Albumen. Use one tablespoonful to six hens once a day. Price, 4 lbs., 25c; 100 lbs., \$4.50.

Blood meal (home product), 100 lbs., \$3.00.



Poultry Foods==Continued

Armour's Meat Meal

Armour's Meat Meal contains from 50 to 65 per cent of protein, 10 to 12 per cent of fat and less than 5 per cent of ash. Made from hearts, livers, meat scraps and cracklings from United States government inspected animals. Pure, clean, sweet and wholesome. Will keep indefinitely if stored in a dry place. Price, 100 lbs., \$4.00.

Alfalfa Meal

The value of some green food for fowls can hardly be overestimated. For a winter food we have found by experience that alfalfa is one of the best for this purpose. It contains more protein lime and mineral salts in soluble and digestive form than clover, and fowls relish it in either a green or dry state. For producing eggs in winter it has no equal. For little chicks it furnishes the element for growth, making bone, blood, muscle, feather and preventing disease. Price, 100 lbs., \$1.50.

Granite Crystal Grit

The sharpest and hardest grit known. Free from dust, is sharp, hard and clean. Rich in iron, silica, aluminum and mica, a health giving tonic. Viewed under the magnifying glass, it shows myriads of crystals clear as glass and sharp as a diamond. Each crystal has sharp edges, which cut and grind, and grind and cut until the last minute particle is worn away. Thus it will last two or three times longer than any other grit, and is therefore cheaper. We need not enlarge upon the value of grit for poultry. Every poultryman knows how necessary it is to their welfare. To obtain best results, grit must not only be sharp when eaten, but must remain sharp under the action of the gizzard. In this respect Granite Crystal Grit proves itself superior to all others, its hard texture and thousand-cornered crystals serving to sharpen each other while grinding the food for the digestive organs. Grit should be put in a small box tacked up in the hen house. Let the fowls eat all they want of it. In ordering please state whether you want chick size or poultry size. Price, 100 lbs., \$1.00.

Oyster Shell

Every poultry house or yard should have a pan or box filled with crushed shells, so that the fowls can have access to them at all times. Oyster shells prevent soft shell eggs, makes the egg shells strong enough to carry without breaking and makes eggs larger and heavier. Price, 10 lbs., 25c; 100 lbs., \$1.75.

Granulated Bone

Many poultry men prefer granulated bone to fresh or green bone. Fresh or green bone contains 53 per cent of moisture and 12 per cent of grease, so that when a poultry man buys fresh bones he pays for 65 pounds of useless materials in every 100 pounds he buys. Granulated Bone, while more expensive as a rule than green bone, fully makes up for the difference by its concentrated value. It is made from fresh bones with the moisture and grease taken out, leaving nothing but the phosphate of lime and nitrogen. Price, 10 lbs., 30c; 100 lbs., \$2.50.

Charcoal

Our Charcoal is granulated, prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion; a health preserver. Price, lb., 10c; 3 lbs., 25c; 50 lb. sacks, \$2.50.

Millet

This is a good scratch food. Place it in some chaff or litter and make your hens work for it. Price, 10 lbs., 50c; 100 lbs., \$3.50.

Feed Grains

We keep in stock for feed WHEAT, CORN, BARLEY, OATS, BRAN, SHORTS, etc. As above feeds fluctuate so in value we do not quote prices, but will be pleased to do so upon application.

Ground Flax Seed

Good for chickens or stock. Price, 3 lbs., 25c; 100 lbs., market price.

Oil Meal

Price, 7 lbs., 25c; 100 lbs., market price.

Kaffir Corn

Fine for chicks five or six weeks old. Price, 10 lbs., 40c; 100 lbs., \$2.50.

Conkey's Remedies

Try Them—They Are Guaranteed

Conkey's Laying Tonic

is not a food in any sense of the word. It is a medicine, a little of which is to be mixed with the soft food or mash once each day.

Most people are in the poultry business for money. A hen that don't lay not only produces nothing, but she eats a lot of feed. A tonic which will keep the bird active, assist in assimilation of the food, gently tone up the egg producing organs along with the other parts of the body, pays for itself and does it quickly. Conkey's Laying Tonic is just the article you need for this purpose.

It is offered on the same basis as all of our goods. If it don't please you, your money back.

Prices, 1½ lbs., 25c; 3¼ lbs., 50c; 7 lbs., \$1.00; expressage extra.



Conkey's Roup Remedy

Many poultry men make the mistake of waiting until their flocks contract a cold, or are down with the Roup, before ordering. They are taking big chances, as Roup develops quickly, spreads through the flock rapidly, and death may claim a large number before the remedy can be obtained. Always keep a box of CONKEY'S ROUP REMEDY on hand. A little in the drinking water, occasionally, will prevent this disease and will serve as an excellent tonic when the vitality of your fowls is impaired. Prices, 50c and \$1.00, postpaid. Enough to make 25 and 75 gallons of medicine and allow frequent freshening.



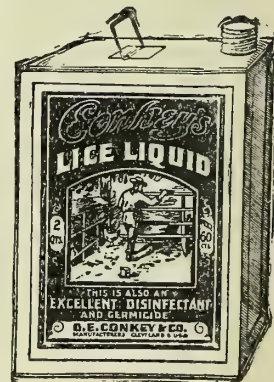
Conkey's Cholera Remedy

From the chick, to either market or maturity, there are the diseases of the digestive organs to make life miserable for the poultryman. They are called CHOLERA but, fortunately, genuine Cholera very seldom appears in this country. They are bad enough, and are Indigestion, Bowel Trouble, Diarrhoea, Dysentery and Sour Crop. If given as a preventive occasionally in the drinking water, it will save you annoyance and loss. We guarantee Conkey's Cholera Remedy to please you, or your money back without question. Price, 25c and 50c, postpaid.



Conkey's Lice Liquid

The fowls' greatest enemy is the mite, which leaves the fowl's body during the day, hiding in the cracks and crevices of the roosts and houses, and at night covering the fowls' bodies and sucking their blood, depriving them of their vitality and rest. A powder will not reach them effectively, but CONKEY'S LICE LIQUID will. It is made after our formula, which has been scientifically prepared and most carefully tested. It will immediately kill these terrible pests and its fumes, passing up into the feathers, will do much to kill the body lice. It surpasses everything else as a death dealer to mites and will quickly and entirely rid your

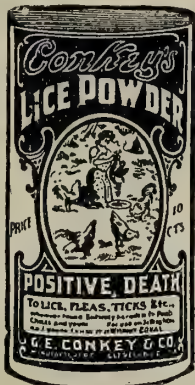


Conkey's Remedies--Cont'd

poultry houses of them. Not only will it kill mites, but it will kill lice of every description on fowls, horses, cattle and hogs; lice and fleas on dogs, ticks on sheep, etc. It can be painted on the roosts, drop-boards, etc., or can be sprayed. For body lice it can be painted on the bottom of a box or barrel, the fowls placed in same, and the fumes, which are lighter than air, will rise, permeate the the feathers and destroy the lice. We know it will more than please you. Prices, 1 qt. can, 35c; 2 qt. can, 60c; 1 gal. can, \$1.00; expressage extra on all sizes.

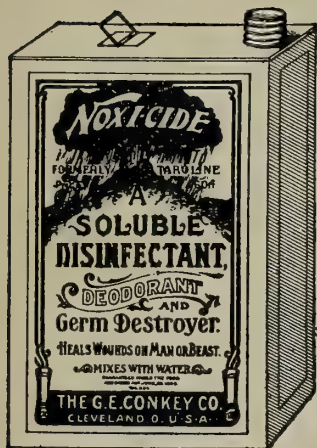
Conkey's Lice Powder

For successfully killing lice nothing can equal a powder which is properly made. CONKEY'S LICE POWDER is the result of our most careful study and research, and is a combination which will positively kill these pests, and yet which is harmless to fowls of all ages. We believe that it is the strongest and most effective powder on the market. It will kill lice on poultry, cattle and horses, ticks on sheep, fleas on dogs and vermin of all sorts. It will also kill bugs on cucumber, squash and melon vines, slugs on rose bushes, etc. It is also a most effective disinfectant and germ destroyer. Hens which spend the day picking and scratching themselves in a vain effort to get rid of these lice can not give you satisfactory returns, and because of their lack of vitality are susceptible to all kinds of disease. CONKEY'S LICE POWDER is guaranteed to please you. Prices, 5-oz box, 10c, postpaid 15c; 15-oz. box, 25c, postpaid 40c; 48-oz. box, 50c, postpaid or express paid \$1.00; 100-oz. box, \$1.00, freight or express at customer's expense.



Conkey's Nox-i-cide

1 part Nox-i-cide to 100 parts water



If all diseases could be prevented, there would be but little need of remedies. CONKEY'S NOX-I-CIDE is the best Disinfectant and Germ Destroyer known. It is excellent for every-day use, and there is nothing to take its place at the same cost.

Very many diseases are of germ origin. Nox-i-cide is a grand insurance against loss by contagious and infectious diseases. It is cheap and effective. It is the cheapest and best Sheep Dip known. There is hardly a place in all domestic economy where Nox-i-cide will be dispensed with after it has once been tried. Prices, 1 pt., 35c; 1 qt., 60c; 2 qts., 90c; 1 gal., \$1.50.

CONKEY'S GAPE REMEDY—A reliable remedy for this terrible enemy of little chicks. Price, 50c; postpaid, 60c.

CONKEY'S CHICKEN POX REMEDY—This is called by different names in various localities—Sorehead, Warts and Pian. They are all the same disgusting disease and this will cure it. Price, 50c; postpaid, 55c.

CONKEY'S LIMBER NECK REMEDY—When fowls eat putrid flesh, they are liable to have ptomaine poisoning, called Limber Neck. This remedy cures if given at the first start. It should be kept on hand. Price, 50c; postpaid, 55c.

CONKEY'S SCALY LEG REMEDY—This cures Scaly Leg, and is excellent for dressing the feet and legs of show birds. Price, 50c; postpaid, 55c.

CONKEY'S RHEUMATIC REMEDY—Excellent cure for fowls or humanity. Price, 50c; postpaid, 55c.

CONKEY'S HEALING SALVE—For man, beast or fowl, antiseptic and healing. It is excellent. Price, 25c and 50c. Both sizes postpaid.

CONKEY'S POULTRY LAXATIVE—Don't give Castor Oil, Aloes, etc. This is absolutely reliable. Price, 25c postpaid.

CONKEY'S POULTRY TONIC—General tonic for minor ailments that are not determined. Will often stop a disease at the start. Price, 25c; postpaid, 30c.

CONKEY'S HEAD LICE OINTMENT—Kills the gnat head louse—it is harmless to chicks. Price, 10c and 25c; both sizes postpaid.

CONKEY'S FLY KNOCKER means peace to your stock and to you. It kills every fly it hits and keeps others from annoying stock. It will clear your stables. Prices, 1 qt., 35c; 2 qts., 60c; 1 gal., \$1; 5 gals. (jacketed), \$4.00. Expressage extra.



CONKEY'S DISTEMPER REMEDY (FOR DOGS)—Best remedy for this difficult disease. Price, 50c postpaid.

CONKEY'S MANGE REMEDY (FOR DOGS)—This terrible disease gives way before this remedy if directions are followed. Price, 50c; by express, 65c.

OTHER REMEDIES

Pratt's Poultry Regulator

This is the original Poultry Regulator, in use by the most successful poultry-raisers everywhere. It is entirely different from Pratt's Animal Regulator. It is composed of valuable imported roots, herbs and barks so blended as to make a perfect regulator, tonic and stimulant, suited to the constitution of the poultry.

Pratt's Poultry Regulator overcomes the difficulties met by every poultryman by regulating the blood, bowels and digestive organs of all fowls. Thus it keeps the birds in robust health, produces good rich blood, healthy fat, sturdy muscles, strong bones, red combs and wattles, brilliant feathers and fertile eggs. It stands unrivaled as an egg-producer, and when regularly used, the hens lay throughout the year. Price, 25c, 50c and \$1.00 packages.

Pratt's Lice Killer (Powdered Form)



is entirely unlike any other preparation of the kind on the market today. It is non-poisonous and non-explosive, and, being stronger, has greater disinfecting qualities.

It quickly and thoroughly kills all lice on little chicks, big chicks, sitting hens, and incubator chicks—with it nests, litter and dust bath are sprinkled. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs that ruin shrubbery, vines, plants and flowers. It is a valuable deodorizer and disinfectant, and should be used in all poultry houses, barns, stables and dwellings. It also drives out moths and bugs from closets, furniture, carpets and clothing. Refuse all imitations, and insist on getting the genuine Pratt's Lice Killer. One box will pay its cost many times over. Package, 25c; postpaid, 40c.

Pratt's Liquid Lice Killer

is the strongest liquid preparation on the market for the destruction of poultry lice and lice on horses, cattle, cows and hogs; ticks on sheep and fleas on cats and dogs. It is invaluable for household use, for cleaning and disinfecting drains, sinks, slop pails, cellars, stables and outhouses.



Pratt's Liquid Lice Killer is not only the surest, quickest and most effective but also the cheapest.

Sold in 35c and \$1.00 cans.

Pratt's Bag Ointment

is especially valuable for healing "caked udder" in cows, caused by injuries, scratches, blows or kicks, or from being over-distended with milk. If such troubles are not attended to at once, part, or all, of the udder may be destroyed.

Pratt's Bag Ointment reduces the inflammation and promptly effects a cure. Sold in 25c boxes, postpaid 35c.

Pratt's Worm Powder

is a special preparation for the destruction of all kinds of worms in horses, cows, hogs and sheep. It is purely vegetable, has a strong tonic effect that builds and helps the animal to regain strength, and is unquestionably and quickest, surest and most thorough worm-destroyer procurable. Sold in 50c boxes; postpaid, 65c.



Lice Powders

BUHACH—Per oz., 10c; ¼ lb., 30c; lb., \$1.00.

PERSIAN INSECT POWDER—Lb., 50c.

SKIDDOO INSECT POWDER—It is death to insects but harmless to the animal or human. This powder will kill any kind of insects on animals, fowls or humans, and has no odor or bad effect. Price, 50c.

Tobacco Dust

For use in dust baths or nests. A cheap and effective exterminator of lice. Price, per lb., 10c; postpaid, 25c.

Poultry Pepper Compound

This is a splendid tonic at all times. A small amount sprinkled in with a hot mash will stimulate the circulation and increase egg production. Price, per pkg., 25c; postpaid, 40c; by freight, 5 lbs., \$1.00.

Lime and Sulphur Solution

What Poultry Raisers Have Been Looking For

The most marvelous poultry lice and mite killer of the age is Lime and Sulphur Solution, and non-poisonous. Lice and mites kill poultry profits—this Solution makes the cocks to grow and hens to lay—a profit getter, thoroughly disinfects, kills vermin, lice and mites as nothing else will. Keeps the poultry healthy, protects against disease from lice and mite troubles, ideal and is sprayed for one-tenth the cost of any product for like purposes. Vermin, lice and mites thrive in oil. Spray the ground as well as the roost and building. The little cost allows spraying once a week; this means a big earning power. Spraying is just as necessary during the winter months as during the warm weather. Dilute 1 to 5, or in other words, add 5 gallons of water to 1 gallon of solution. Price, per gal., 75c; 5 gals., \$2.50.

SKIDDOO REMEDIES

Compressed Tablets for live stock are made from the alkaloids and the active principle of the drugs and contain no ashes, sawdust, chop feed or bran. They are just as good when ten years old as when ten days old, and comply with all pure drug laws.

Skiddoo Condition Tablets

If your live stock is out of condition use Skiddoo Condition Tablets. It will pay to use these tablets two or three times a year for all your stock. It will tone up the system, regulate the natural secretions and place the animal in normal condition. "A stitch in time saves nine." Price, 50c and \$1.00 per box.

Skiddoo Heave Tablets

If your horses have heaves, give them Skiddoo Heave Tablets. They will remove the cause and cure the animal. Price, 50c and \$1.00 per box.

Skiddoo Worm Tablets

If your animal has worms of any kind, give Skiddoo Worm Tablets; they are death to worms. Price, 50c and \$1.00 per box.

Skiddoo Distemper Tablets

If your animal has distemper, give Skiddoo Distemper Tablets. Price, 50c and \$1.00 per box.

Skiddoo Colic Tablets

If your animal has colic, give Skiddoo Colic Tablets; they will remove the cause and cure your animal. Price, 50c and \$1.00 per box.

Skiddoo Cathartic Tablets

If your animal is costive, give Skiddoo Cathartic Tablets. They will start the natural secretions and regulate the bowels. Price, 50c and \$1.00 per box.

Skiddoo Hog Cholera Tablets

If your swine have cholera, give Skiddoo Hog Cholera Tablets. They will kill the germ and cure your swine. You should use Skiddoo Hog Cholera Tablets whether your swine has cholera or not. Their antiseptic effect will aid in preventing cholera. Price, 50c and \$1.00 per bottle.

Skiddoo Pink Eye Tablets

If your animal has pink eye or other disease of the eyes give Skiddoo Pink Eye Tablets. They will remove the cause and cure the eyes. Price, 50c and \$1.00 per box.

Skiddoo Barb Wire Liniment

If your animal gets cut on barb wire or otherwise, or has rheumatism, stiffness or other trouble requiring a liniment, use Skiddoo Barb Wire Liniment. Price, 50c and \$1.00 per bottle.

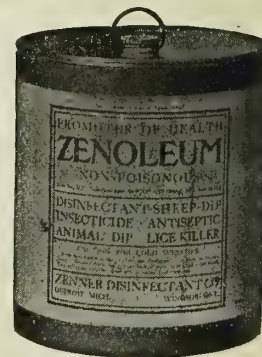
Skiddoo Kidney Tablets

If your animal has kidney trouble of any kind, use Skiddoo Kidney Tablets. They will correct the functions of the kidneys and cure your animal. Price, 50c and \$1.00 per bottle.

Zenoleum Dip and Disinfectant

Forty-two Agricultural Colleges Use Zenoleum

Kills lice on poultry, cattle and hogs, ticks on sheep. Cures scab on sheep and mange on cattle and horses. Destroys parasites and germs of all kinds. Is an efficient aid to dairymen in keeping their barns free from germs and bad odors. Every can of Zenoleum is guaranteed to please, or your money back. Price, 8-oz. can, 25c; qt. can, 50c; ½-gal. can, 90c; gal. can, \$1.50.



Lilly's Poultry Tonic

This is an all around reliable, medicated food and tonic for poultry; prepared from ground seeds, roots, herbs and drugs; these are all carefully selected and blended in the proportion that make it most nutritious and healthy food for poultry. It is fed as an appetizer, a tonic and as a preventive of disease, and by thus getting the fowls in prime shape, assists in egg production. Small package, 25c; large package, 50c; pail, \$2.50.

Lilly's Stock Remedy

Gives to horses, hogs and sheep new life and also strength. Keeps their blood pure and aid digestion. Saves money on the amount of grain fed. Makes the young colts grow rapidly and sturdy. Gives a glossy coat and bright eyes. Fattens the hogs in 30 to 90 days' less time. There is no injurious ingredient in Lilly's Stock Food and large rations will positively do no harm.

Two tablespoonfuls a day will keep a horse in the best condition and reduce his grain feed. Horses that need "toning up" require a double dose. Hogs eat it freely and develop wonderfully. Sheep thrive on it. The cost of Lilly's Stock Food is nothing compared to the results you will obtain. Sold in 25c and 50c packages; 25-lb. pails, \$2.50.

Lilly's Cow Conditioner—For Cows Only

Every package is sold on a positive guaranteed basis. For calves it is a wonderful strength giver. Remember, it is not what your cows eat, but what they digest, that makes them fat and profitable. Sold in 25c and 50c packages; 25-lb. pails, \$2.50.

Thedford's Black-Draught

Nearly every family owns animals or fowls for pleasure or profit, and should have Black-Draught Stock and Poultry Medicine to keep them healthy. It is used very extensively among prominent breeders of horses, mules, cattle, hogs, sheep, turkeys, chickens and dogs to prevent and to cure all the common diseases infecting flocks and herds. It has all the good qualities of the famous Thedford's Black-Draught, with other ingredients added to make it palatable for stock. Price, 25c; postpaid, 40c.

Other Remedies==Continued

Kow Kure

Kow Kure is the only known preventive of abortion, barrenness, retained after-birth, scours and other ills to which the cow is subject. It is used with unfailing success in thousands of the best dairies in America. It is not a stock food, but a medicine. Large can, \$1.00; small can, 50c.

Palmer's Squirrel and Gopher Poison

The best and cheapest poison ever compounded for the speedy destruction of squirrels, gophers, etc. Price, per can, 25c.

Copperas

A small piece placed in drinking water is a good tonic for chickens. Per lb., 10c.

FERTILIZERS

It pays to use Commercial Fertilizers because the cost of preparing, planting, cultivating and harvesting a full crop is no more than that of a half crop. Because the crop that is healthy and vigorous is not apt to be troubled with insects, scale and other pests. Because on a crop where Fertilizers have been used the product is not only greater in weight, but is much better in quality and will sell for more money per bushel or hundredweight.

Dried Blood

This is by far the finest of the numerous nitrogenous products furnished by the slaughter houses. It is very rich in nitrogen, often containing almost as much nitrate of soda, the chemical analysis showing from 10 to 15 per cent nitrogen. It is the richest organic nitrogenous manure. Price, per 100 lbs., \$2.75.

Bone Meal

The analysis of bone meal shows from 2 to 4 per cent nitrogen and 20 to 30 per cent phosphoric acid, also phosphate of lime and organic matter. For slow-growing crops, such as orchards and permanent pastures, and with a view to the improvement of the soil, bone meal is an ideal source of phosphoric acid and nitrogen. Price, \$2.50 per 100 lbs.

Tankage

This is a slaughter house product composed of meat scraps, hoofs, tendon, bone, etc. These are ground into a fine meal, having but little odor and serves as a useful carrier of both nitrogen and phosphoric acid. The analysis shows 5 to 7 per cent nitrogen and 12 to 15 per cent phosphoric acid. Price, \$1.75 per 100 lbs.; \$28.00 per ton. NITRATE OF SODA—Price, 6c lb.; per 100 lbs., \$4.00. SULPHATE OF POTASH—Price, 6c lb.; 100 lbs., \$4.00. GYPSUM—Price, 2c lb.; per 100 lbs., \$1.00. BOWKER'S PLANT FOOD—A first class fertilizer for house plants. Pkg., 25c.

Spray Pumps and Materials

The Hardie Triplex Power Sprayers



HIGH PRESSURE LARGE CAPACITY POWERFUL ENGINE

This outfit is equipped with an Ideal 3 H. P. 4-cycle vertical engine. This engine is specially designed for spraying. It is compactly built, occupying but little space on the platform, with a simple frost-proof cooling system, combining all the desirable features of both the water and air-cooling systems, without the disadvantages of either.

The pump is driven with a 3-inch belt, the tension of which is controlled by an idler, making a safe, reliable drive.

The frame or platform is of strong and rigid construction, well braced and bolted.

LIGHT WEIGHT SIMPLE CONSTRUCTION PERFECT AGITATION

The tank holds 150 gallons and is made from the best well-seasoned lumber, 2 inches thick throughout, staves, head and cover.

This pump has three upright cylinders, mounted in a solid base. The plungers are made from hard brass castings, machined to fit the cylinders perfectly. They are packed from the outside by means of a gland at the top of the cylinders, and are driven by a three throw, drop-forged manganese steel crank shaft.

SPRAY PUMPS AND MATERIAL—Continued

The Hardie Triplex

The plunger rod boxes on the crank shaft are brass, and are fitted with spring top oil cups. All other bearings are babbitted and are supplied with oil cups.

The throws of the crank shaft are spaced equally around the circle, so that one or more of them are at all times on the downward or discharge stroke, delivering an even supply of liquid to the air chambers, doing away with all fluctuations of the pressure.

The valves are large bell metal balls contained in a brass cage specially ground to a perfect fit. This cage is secured in the base by a large hexagon nut. By removing this nut, the valves may be easily reached.

AGITATOR—The agitator consists of two swinging paddles which sweep the bottom of the tank. They are driven by a brass shaft passing through a brass stuffing box, in the head of the tank. This is connected to the large gear on the pump.

In designing this machine we have combined strength and efficiency with light weight. Steel and malleable castings being used on all parts subject to any severe strain instead of heavy cast iron.

All working parts which come in contact with the liquids are made of hard brass.

The machine has a working capacity of from 6 to 10 gals. per minute, maintaining an even pressure of 200 lbs.

SPECIAL NET PRICE LIST

In pricing our Power Sprayers, they are quoted without truck, filler pump, or hose, rod and nozzles. We do this to give the grower his choice in the matter of equipment. Some already have a truck, others hose or rods, etc.

We handle everything needful to the grower and below is given our prices upon truck, etc. What we call our Standard Equipment of hose, rods and nozzles comprises what is needed in most cases. The hose which we send with all power machines is 7 ply and special attention has been given to its pressure and chemical resisting qualities.

3 h. p. Triplex, weight 1050.....	\$290.00
200-gallon tank extra.....	5.00
Steel wheeled truck 28-30, in wheels.....	35.00
Peerless Filler Pump, with strainer.....	17.50
1½ inch suction hose, per foot.....	.35

Standard Equipment, which consists of two 35-foot lines 7-ply hose, with fittings; two aluminum lined bamboo rods, 10 ft.; two stop cocks; choice of two nozzles, 1 brass strainer.....	25.00
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Ideal Gasoline Engines

Our Ideal Engines possess special advantages which will be appreciated by every farmer and fruit grower. Being light in weight and compactly built, they are easily transferred from the sprayer platform for other work.

1½ h. p., weight 257 pounds.....	\$100.00
3 h. p., weight 385 pounds.....	140.00

THE SAMSON DOUBLE-ACTING SPRAYER

For Barrel or Tank

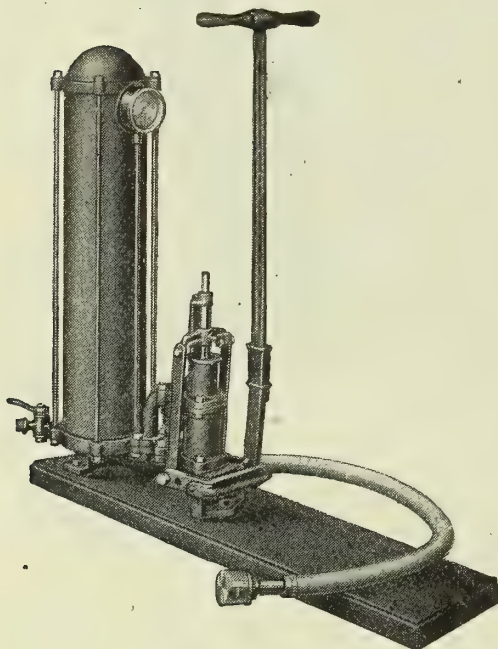


Fig. 633

The "Samson," Fig. 633, is a powerful pump, having a large number of vantage points not found in other sprayers. We recommend this outfit where a large number of trees are to be sprayed and where a heavy pressure is desired.

The pump has an extremely large air chamber (18 gallons capacity), allowing the operator to pump and rest alternately. It has a long, well balanced lever, which is a great aid in pumping. The cylinder is brass-lined and all other working parts, including the ball valves and seats, are brass.

Having a differential plunger, an equal amount of work is done on both strokes, making it double-acting, which decreases the labor and increases the work done. All parts are easily accessible and the air chamber can be readily taken apart. There are no stuffing boxes in this pump.

The pump is furnished with one discharge Y, 8 feet of 1¼-inch wire lined suction hose and strainer and pressure gauge. Shipping weight about 175 pounds.

PRICE LIST

Fig. 633, as illustrated and described, \$40.00.

Pump with one discharge Y, 8 feet 1¼-inch wire lined suction hose and strainer, pressure gauge, two nozzles and two 8-foot pipe extensions with shut-off valves, \$44.00.

The Captain Barrel Sprayer

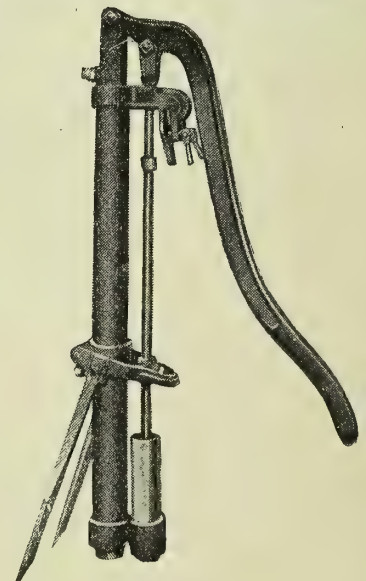


Fig. 632

The "Captain" is in the front rank of all sprayers of its class. It is a medium price outfit for the every day farmer, fruit grower and gardener.

The pump is made in one size with 1¾-inch brass tube cylinder; has brass ball valves and valve seats, and brass plunger with improved packing. The air chamber is ample in capacity and is made of 2¼-inch boiler tubing. The discharge connection is fitted for ½-inch hose.

The "Captain" Sprayer has an improved adjustable clamp for attaching rigidly to the inside of barrel. The agitator is simple in construction and very efficient. No pains have been spared to make it the best barrel sprayer for the price.

Shipping weight, pump only, crated, about 40 pounds.

PRICE LIST

The "Captain" Barrel Sprayer only with male hose connection, \$8.00.
Pump as above, with 12½ feet ½-inch hose, nozzle and connections, \$11.00.

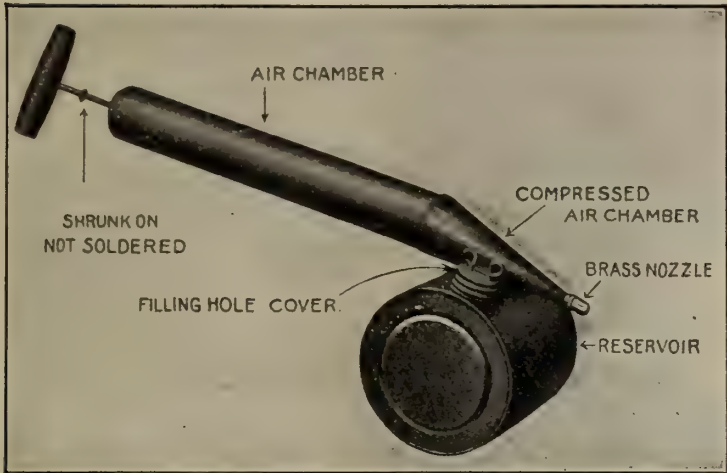
This does not include barrel.

Eight-foot iron pipe extension rod, 75c.

SPRAY PUMPS, ETC.—Continued

U. T. K. COMPRESSED AIR ATOMIZER

PATENT APPLIED FOR



The "U. T. K." Compressed Air Sprayer is adapted for killing potato bugs, using water and paris green, as well as for spraying all kinds of vegetable plants and for spraying disinfectants or fly oil on cows cannot be excelled. It sprays a fine mist or coarse spray which is accomplished by turning the little brass nozzle backward or forward. It fills a long felt want for farmers wishing a small sprayer which sprays a continuous spray. The reservoir holds one quart. The nozzle is made of brass and all parts which come in contact with the liquids. Has brass ball valves. Galvanized iron. Is nicely painted and striped and very compact. The compressed air chamber, which is placed in front of pump, admits of the reservoir being filled full which is not found in any other atomizer. It will spray up or down and takes the place of every kind of atomizer made, doing the work more than three times as fast and with less than half the labor. Price, \$1.00; postpaid, \$1.25.

The Success Bucket Spray Pump

All Brass Working Parts, with Indestructible Bronze Valves, Malleable Iron Combination Foot-Rest.



Success.

Florists, gardeners, fruit growers and farmers who wish a durable, convenient spray pump at a low cost can find nothing better. This outfit is a most excellent one for ordinary use in gardens, vineyards and orchards; for washing windows and buggies and for the application of whitewash. The pump has a large air chamber and is double-acting, throwing a continuous stream either solid or in fine spray. It is provided with Bordeaux nozzle and four feet of discharge hose. Price, \$4.50.

The "Simplex" Barrel Spray Pump
A Popular Orchard Sprayer, With Mechanical Agitator and Brass Working Parts.



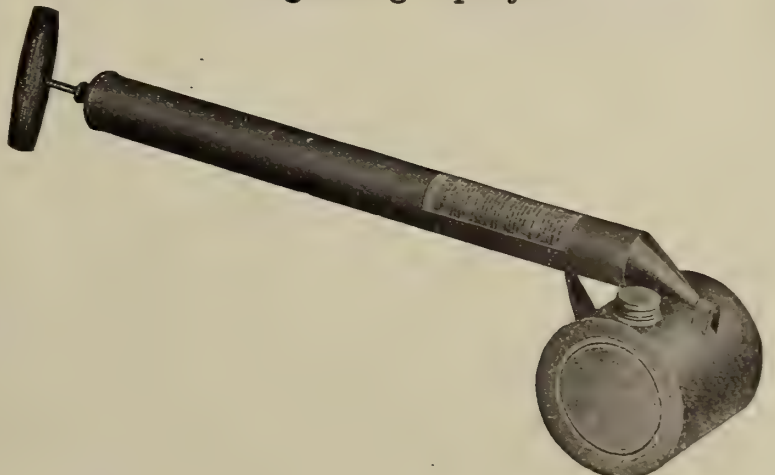
Simplex Pump.

THE MECHANICAL AGITATOR—Without an efficient agitator a barrel pump for orchard spraying is worse than useless in the application of the Bordeaux mixture and Paris Green. These two mixtures sink to the bottom of the barrel, and in order that the spraying may be uniform, a constant churning of the liquid is necessary. This can only be obtained by the use of the agitator here shown. With our agitator, uniform results are obtained. The working parts are made of brass, the cylinder being brass lined, the piston rod cased, and the plunger and valve solid brass. The discharge is provided with a Y connection, a tight cap being furnished for use in case but one section of hose is used. Three-way stop cock fits this pump, and customers preferring this stop cock on the discharge can order it separately at any time.

PRICE LIST

Pump only, with Y connection.....	\$ 9.50
Pump as above, with 12½ ft. of ½-in. hose nozzle and connections.....	12.50
Pump as above, with two 12½ ft. section of ½-inch hose, nozzles and connection.....	15.00

Lightning Sprayer

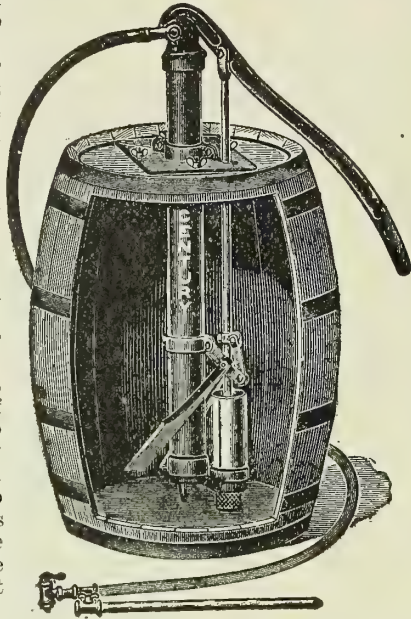


We have this in tin only. Price, 60c; postpaid, 75c.

Spray Pumps, Etc.—Cont'd

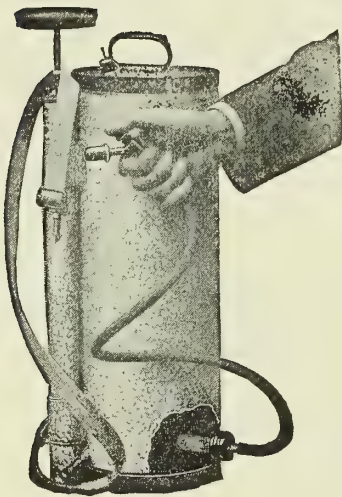
The Century Sprayer

With submerged brass cylinder, brass ball valves and "Everlasting" plunger packing. For durability, ease of operation, free water-ways and positive action generally, this pump stands in the front rank. The automatic agitator is the only one that thoroughly agitates the liquid. These special features give the century pump the lead over all other orchard sprayers. The capacity is sufficient for all ordinary purposes. Length of stroke is 5 inches and diameter of cylinder 2 1/4 inches. The air chamber is large, and the discharge is fitted with a "Y" for two leads of 1/2-inch hose. The pump is furnished regularly with a cast base with hook bolts to fasten to the end of barrel. This base has a large hole with cover for filling the barrel. It is the easiest of any pump made to mount on barrel.



- Fig. 645. Century Sprayer only.....\$12.00
- Fig. 645. Outfit A, same as above with 12 1/2-ft. sections of hose and nozzle..... 15.00
- Fig. 645. Outfit B, Century Sprayer, with two 12 1/2-ft. sections of hose, and nozzles..... 17.50

"LIGHTNING" COMPRESSED AIR SPRAYER



Patented
Holds Four Gallons
Packed One in Case

The new Lightning Compressed Air Sprayer is made of heavy galvanized iron or brass, holding about 4 gallons, and is provided with a brass safety valve to prevent overpressure, an adjustable shoulder strap with a snap at each end, 3 feet of the best hose and our automatic brass shut-off nozzle, which is held in one hand and worked at the will of the operator, by simply pressing the thumb a trifle, letting out an instantaneous spray, and by releasing the thumb the nozzle shuts itself off automatically, therefore the operator at all times has the spray under perfect control and there are no liquids wasted. It is also provided with our patent brass strainer, as shown in cut, so that no sediment can pass through the hose or nozzle, which prevents clogging.

The tank is double seamed, which makes it extremely strong and durable. The air inlet valve on this machine, that is, the valve which the air passes through from the pump into the tank, is made entirely of brass. This is a double valve and so constructed that after the air is pumped into the tank there is no danger of this valve

leaking and the strong ingredients used in the machines will have no effect on this valve whatever. After the sprayer is charged, all that is necessary is to turn the small nut at the bottom of the pump with the fingers and the valve is locked. This is a big improvement over all Compressed Air Sprayers, as heretofore there has been more or less trouble with the air inlet valves.

There is no labor required to operate this machine; simply fill the tank about two-thirds full of liquid, pump in a few strokes of air and the sprayer will do the rest.

We can also furnish heavy brass extension pipe in three-foot lengths with connections, used for spraying trees. Full instructions on each machine.

- Price, with galvanized steel body.....\$5.50
- With polished brass body..... 7.00
- Three-foot brass rod..... .50

In ordering Pump outfits, state which nozzle you prefer.

Spray Hose



- Best 7-ply 1/2-inch discharge hose, price, per foot.....20c
- Best 5-ply 1/2-inch discharge hose, price, per foot.....15c

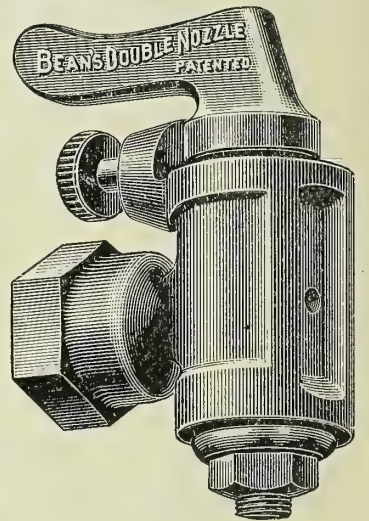
SPRAYING EXTRAS

Bean Double Bordeaux Nozzle

Two Sprays in One Nozzle

This nozzle was invented and perfected to meet the demand for a "two-spray" nozzle. One side gives a broad, fine fan-shaped spray and throws as much or as little liquid as desired, and the other a long distance spray.

The latter spray will reach the tops of trees which with other nozzles are left untouched. It will also throw a solid stream or shut off altogether. After the spray is adjusted to suit, it will be held in that position if the little set screw is tightened. Price, each in a neat box, 75c; postpaid, 80c.

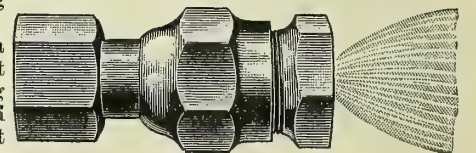


Bean Best

"The Unequaled Cyclone Nozzle"

Throws a fine circular spray a long distance.

Bean Best is a marked improvement on our Cyclone Long Distance Nozzle and furnishes a perfect spray. There are no parts to catch on the limbs, and the nozzle is fitted with a steel cap, which does not cut out easily. A second cap with larger hole is also furnished with each nozzle.



To clean, it is only necessary to jab the end against a tree, which forces the cap back onto a pin and opens the hole. The pressure from the pump instantly forces cap back to position. Price, with two caps, 75c; postpaid, 80c; extra caps, each, 25c.

Spraying Extras, Etc.—Cont'd

Bean Nozzle

The Old Standby for Whitewashing

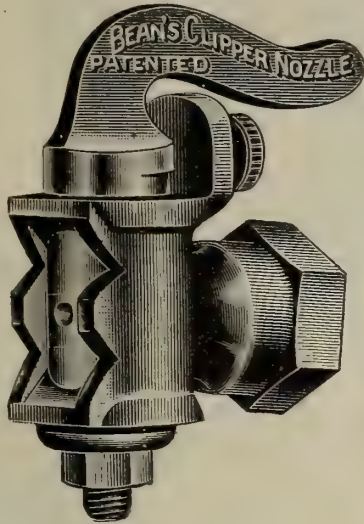
The nozzle throws a fine spray or a solid stream. It is particularly recommended for whitewashing and for washing buggies. Thousands of these nozzles are now in use and giving the best of satisfaction. To clean when clogged, turn the thumb screw straight out for an instant. Price, each, 75c; postpaid, 80c.

Bean Clipper Nozzle

Throws the most perfect, flat, fan-shaped spray. It prevents wasting of the spray and drippage.

1. The spraying lips are so shaped that all parts of the spray travel the same distance on the lip, thus meeting the same resistance and so carry just as far after leaving the nozzle. Hence no material is wasted.

2. Any drops naturally fall into the notches on either side of the spraying lips, where they are instantly caught up by the spray. Hence there is but little drippage. It throws either a fan-shaped spray, a long distance spray of a solid stream; can be shut off altogether and has the same patent adjuster as the Bean Double. Price, each, in neat box, 75c; postpaid, 80c.



Bean Vermorel Nozzle

The Bean Vermorel Nozzle throws a beautiful, misty, circular spray.

All trouble caused by clogging in the bend is avoided by having the stem detachable. This also allows the nozzle to be turned to any angle desired.

There are no cumbersome projections to catch in the limbs, and the nozzle is as small and compact as possible.

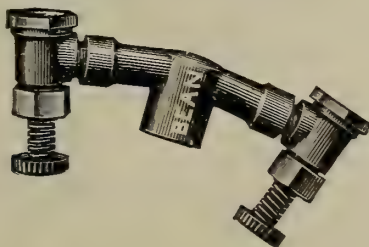
This nozzle has a steel needle point for cleansing and an extra one of our long wearing caps with a larger hole is furnished with each nozzle.

Price, in neat box, with extra cap, 75c; postpaid, 80c; extra caps, each, 20c.

Your choice of any of these nozzles when ordering a pump.



Double Vermorel



Each, \$1.50; postpaid, \$1.60.

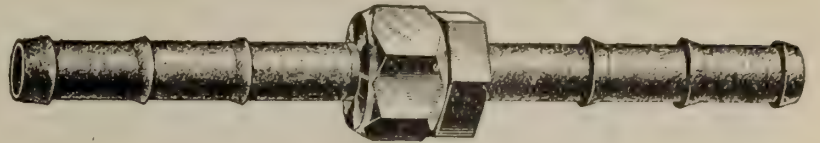
1/4 Nozzle Y



The Brass Y shown here will screw on to any spray rod, and all kinds of spray nozzles screw into the other two ends. This is intended for use when two nozzles on one rod are desired.

Price, each (Delf) .60

Bean Spray Hose Couplings



With hexagon nuts and double length shank, so will not pull or blow out.

Price, per pair, 55c; post paid..... 60c
Female half only, 30c; post paid..... 35c

Bean Spray Cut-Off

This 1/4-inch shut-off is for use on spray rods in place of globe valves. Shuts liquid off instantly, saving time and material. Now used on all our bamboo extensions. Can be put on any rod.

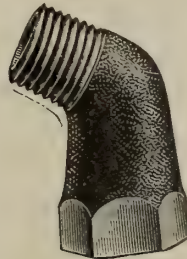
Price, each, 55c; post paid.... 60c



Hose Reducers

These are for connecting a male hose coupling on end of spray hose to the spray rod. The two piece connection has a swivel joint and is easy to attach. When the one piece connection is used the entire rod must be turned in screwing on. Price, one piece reducer..... .20

1/4 Nozzle Ell



It is very important to spray down into the blossom. This piece has just the right angle and screws onto the end of any spray rod. Then attach the nozzle.

Price, each25

Spray Hose Clamps

Two of these clamps can be used on our long shank couplings and mender.

We carry them in stock for 1/2-inch and 3/4-inch hose.

Price, each 5c
Per dozen40c



Hose Connection



To connect 1/4 inch hose to spray rod.

Price, each (Drift) .25

Bamboo Extensions



The bamboo used in making our extensions is a nice size to hold in the hands and is smooth and little affected by either heat or cold. We regularly fit them with 1/2-inch iron pipe, but can furnish 3/4-inch iron pipe without extra charge. 1/2-inch pipe is perfectly smooth, does not rust or corrode, and weighs only one pound to ten feet.

With Iron Pipe With Alum. Pipe
8-foot bamboo extension.....\$1.40 \$2.75
10-foot bamboo extension..... 1.65 3.25
1/4-inch iron Extension Pipe rod only: 5 ft., 60c; 8 ft., 75c; 10 ft., 90c.

Dust Sprayers

The principle of spraying to control insects and diseases on plant life is right. In practice the principle advocated and taught by our theorists is unsatisfactory, unpleasant, laborious and expensive. Principles and practice go together. The results from practice determines the correctness of the principle. A theory of orchard protection against insects and fungi is of no value until the practical grower

has put his O. K. on it. The Dust Spray is championed by the successful practical growers, because it is satisfactory, rapid and easy of application, with a minimum amount of labor, and saves 75 per cent in spraying expenses. It shows results on the codling moth injuries of less than 1-10 of 1 per cent in 7,000 boxes export apples, and absolutely controls scab fungus. The system is the result of practical experimentation by the practical growers who have succeeded in its use, the methods so simple that the ordinary man can apply them without error or mistake.

Cyclone

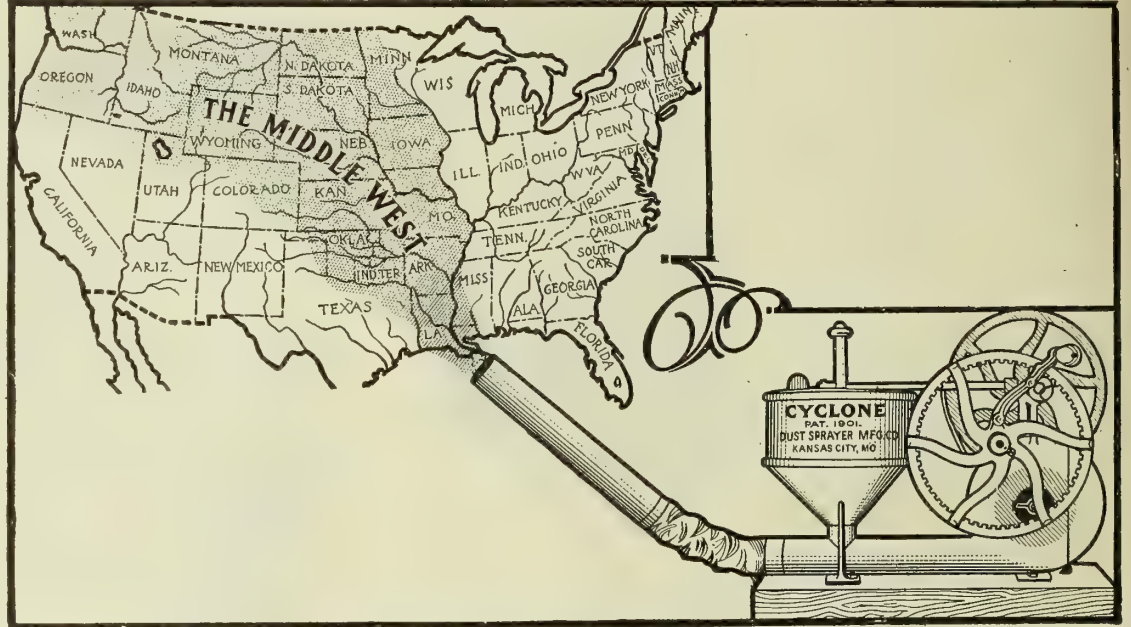
This is our hand power machine. The dust box holds 1 peck of dust, the machine uses 2½-inch air tube and 8 feet of 2½-inch spouting, our flexible joint, stand and fixtures, and our book of formulas are furnished free with each machine.

Mode of Operation—The machine is carried on a light one-horse wagon, stone boat or sled, or on hilly ground it may be carried by the operators from tree to tree. It has ample power to spray any ordinary sized tree from the ground.

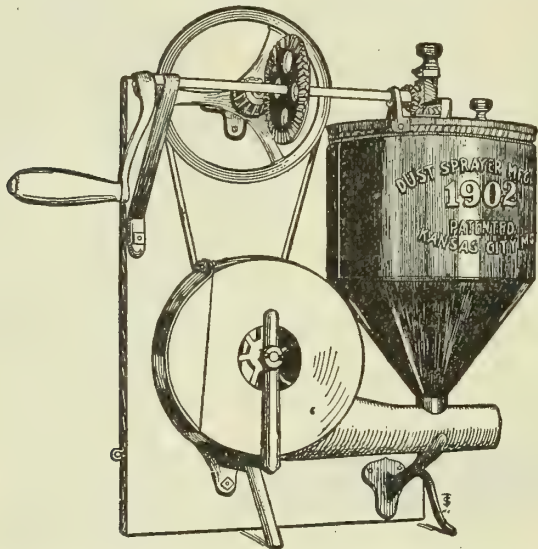
Capacity—One horse and light wagon, and two men can spray from 25 to 40 acres per day, according to the size of the trees.

Weight—Machine proper weighs 65 pounds. Machine and all extras securely packed and crated ready for shipment, 100 pounds.

Price—Machine 8 feet of 2½-inch spouting, 1 flexible joint, stand and fixtures complete, crated, \$29.00.



Portable Machine 1902



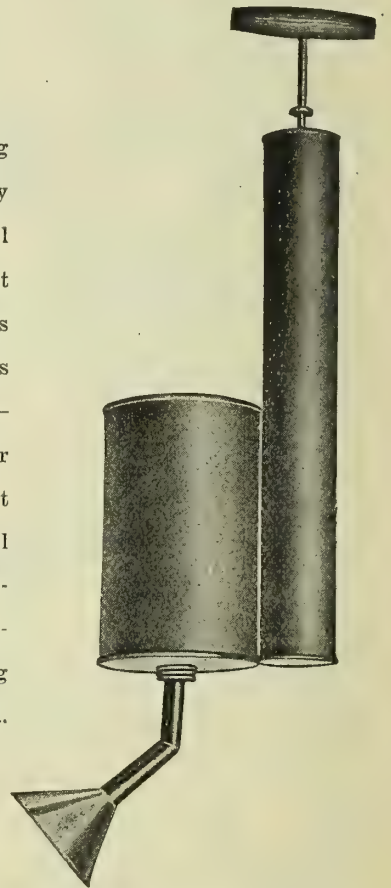
This machine is carried by the operator. The machine and its entire mechanism is securely fastened to a single back piece that is supported close to the body of the operator in front. It is held in position by combined shoulder braces and waist band, adjusted in such a manner as to throw the weight of the machine on the haunches of the operator. It is easily operated because the body and arms of the operator are in a natural position.

The dust box holds 1 gallon. It has the same feed attachment as the Cyclone, and guaranteed not to choke. The dust box, air tube, and fan shell are made from galvanized iron on exactly the same design as the "Cyclone." It has 1½-inch air duct, and 6 feet of 1½-inch spouting, one flexible joint and one pair of combined shoulder braces with our book of formulas are furnished free with each machine.

Price, Machine, 6 feet of 1½-inch spouting, one flexible joint, and one pair combined shoulder braces, all complete and boxed, \$13.00.

"Lightning" Dry Powder Duster

Easy to operate, strong and durable, made of heavy tin, nicely painted. Will spray up or down or straight ahead, also under the leaves of plants, as the funnels and elbows are reversible—simply work the plunger back and forth, when it will produce a large or small blast. Useful for exterminating potato bugs, currant worms and all sucking insects. Price, \$1.00 each.



For Spray Pumps see pages 37 to 40—Unexcelled

Spray Material and Washes

For Destroying Insects, Scale, Etc.
The Two Greatest Fruit Tree Sprays
Lime and Sulphur Solution
and
Arsenate of Lead

The secret of successful spraying lies in knowing and judging the correct time based on climatic conditions. Certain locations are much warmer and earlier than others; more advanced. Owing to this fact orchardists must watch these conditions and use their judgment as to when to spray for the different diseases.

Kindly bear in mind this very important fact that thoroughness in spraying is one of the main points. Many failures can be traced to the lack of thoroughness.

It is also important that the orchardist should become familiar with the name and character of the disease he is to spray for. If the disease is not known apply to your inspector for information. Specimens of diseased fruits or leaves, or other portions of trees or plants, may be forwarded to your state experiment station at no cost, where a careful microscopical examination will be made and the disease identified.



LIME AND SULPHUR SOLUTION makes for better fruit. It means a big earning power. It is a true calcium sulphide—a true calcium sulphide means a perfect chemical combination of lime and sulphur, absolutely free from all sediment, absolute uniformity which guarantees the same identical treatment as to strength and effect tree for tree and which allows the wash to be applied to delicate bud life, blossom condition and foliage as well as the dormant tree without injury or set back, both for fungicidal and insecticidal troubles as well as San Jose Scale, Oyster Shell Bark Louse, Moss, Apple and Pear Scab, Slug Worms, etc. The wide range of disease that fruit trees are subject to that it will control prove it to be the best general fruit wash the world has any record of.

For Dipping Sheep and Cattle

When used according to directions as given on containers, meets all United States government requirements. It is used by the largest owners of sheep and cattle throughout the United States.

To All Poultry Raisers

Of Great Importance—Lime and Sulphur Solution diluted 1 to 5, one gallon to five gallons of water for spraying your poultry house for destroying Lice, Mites and Vermin, will outclass any other product for like purpose on the market, and is sprayed for **One Tenth the Cost.**

Important

In order to have your wants supplied with Lime and Sulphur for Early Spring Spraying, Garden and Field use we advise growers to book their orders in person or by mail; this will insure delivery. Price, gallon, 75c; 5 gallons, \$2.50; barrels, \$12.50.



GRASSELLI'S ARSENATE OF LEAD-PASTE

For the Destruction of the Codling Moth and Leaf-Eating Insects

Every farmer and orchardist who is anxious to increase the value of his product should get ready to fight the "Codling Moth."

It is possible for apple growers in badly infested regions to save more than 85 per cent of the fruit which, without treatment, would become wormy.

The authorities tell us that the "Codling Moth" is two-brooded. The number of worm of the second generation is larger than the first and naturally more destructive.

To avoid damage by the second generation, reduce the number of the first. In order to accomplish this, it is absolutely necessary to spray thoroughly with a reliable insecticide just as the blossoms are falling. The object is to poison the young larvae before they enter the fruit. The larvae get the poison while feeding on the leaves, or in the calyx or on the sides of the fruit and are killed. Do not let the orchard get overrun with worms by inattention to one year's spraying. We refer more particularly to the "Codling Moth" because it is, of all insects, the most destructive pest that the farmer has to deal with in the orchard. Grasselli's Arsenate of Lead-Paste can be used successfully against all Leaf-Eating Insects, including the Gypsy Moth, Brown-tail Moth, Potato Bug, Elm Leaf Beetle, Canker Worm, etc. Spray with Grasselli's Arsenate of Lead-Paste for the destruction of the Codling Moth.

Directions for Use—Dissolve 2 to 3 lbs. in 50 gallons of water. When using a hand pump with 40 to 60 lbs. pressure, more should be used than with a pump working at 120 to 160 lbs. pressure.

The first spraying should take place immediately after the blossoms fall and the best results are obtained by forcibly throwing plenty of coarse spray from a height down into the Calyx cups, the nozzle about two feet above the blossoms.

About five sprays during the season is sufficient at intervals of about one month apart.

Coat all sides on every fruit. Don't expect the spray to go around the corners.

Prices—1 lb., 25c; 2 lbs., 50c; 5-lb. keg, \$1.00; 12½-lb. keg, \$2.25; 25-lb. keg, \$4.00; 50-lb. keg, \$7.25; 100-lb. keg, \$14.00.

Pullman, Wash., Sept. 28, 1907.

The Grasselli Chemical Co.,
St. Paul, Minn.

Gentlemen: We have recently made an analysis of the sample of Arsenate of Lead which you submitted to us several weeks ago. We find that it contains 17.09 per cent Arsenate Pentoxide and 41.62 per cent Lead Oxide. These are larger percentages than we have found in any other sample which we have ever analyzed of any brand of Arsenate of Lead now being sold in this state. Your preparation is therefore of very high strength, and we find it to be also in excellent physical form, and would have no hesitancy in recommending it as a very high grade product. You are at liberty to use this statement in any way that you may desire. Very truly yours,

(Signed) R. W. THATCHER,
Director of Experiment Station.

SPRAY MATERIALS, ETC.—Continued**Paris Green**

Poor Paris Green is dear at any price. The brand we handle is warranted strictly pure and will comply with state laws. Effective against all chewing insects. 1-lb. pkg., 45c; 2-lb. pkg., 85c; 5-lb. pkg., \$2.00.

Whale Oil Soap

Used as a summer spray for hop louse and green aphid. 1-lb., 10c; 100 lbs., market price.

Quassia Chips

Used with Whale Oil Soap for lice on cabbage, cauliflower, etc., and on fruit trees. Lb., 10c.

Hellebore

Especially used for destroying turnip, curant, and gooseberry worms, larvae of sawflies, etc. 1 lb., 40c.

Kerosene Emulsion

Will kill suctorial insects. 1 qt., in tin cans, 60c; 1 gallon, in tin cans, \$1.50.

Hammond's Grape Dust

A preparation to kill mildew on grape vines, rose bushes,

and other vines, also kills mold, rust, etc. Price, 15c lb.; 50c for 5 lbs.

Hammond's Slug Shot. For destroying slugs, cabbage and turnip flea, currant worms, etc.

Per lb., 15c; postpaid, 35c; 5-lb. pkg., 60c

Hammond's Grape Dust. To prevent mildew on roses, grapes, and gooseberries.

Per lb., 15c; postpaid, 35c; 5-lb. pkg., 60c.

Tobacco Dust

One of the best remedies for green and black aphid, fleas, beetles. Price, 1 lb., 10c; 10 lbs., 75c.

Sulphur

Powdered, lb., 5c; 100 lbs., market price.

Bluestone

Used successfully in winter sprays. Per lb., 15c. If wanted in 100-lb. or barrel lots, market price.

Buhach, per oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

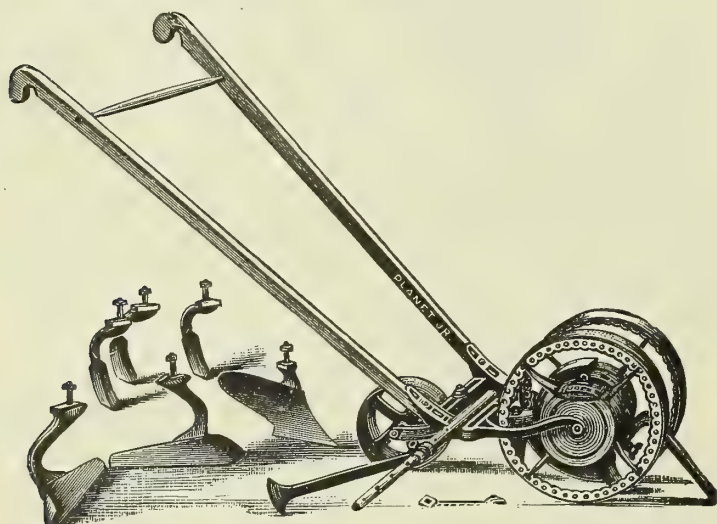
Sulpho Tobacco Soap

A sure, immediate and convenient exterminator of all insect life and vermin on plants, shrubbery, vines, small fruits and trees. Non-poisonous and absolutely safe to handle. It will not injure the tenderest growth. A powerful fertilizer, reviving plants wilted from the ravages of insects. Pkg., 10c and 20c.

"Planet Jr." Farm and Garden Tools

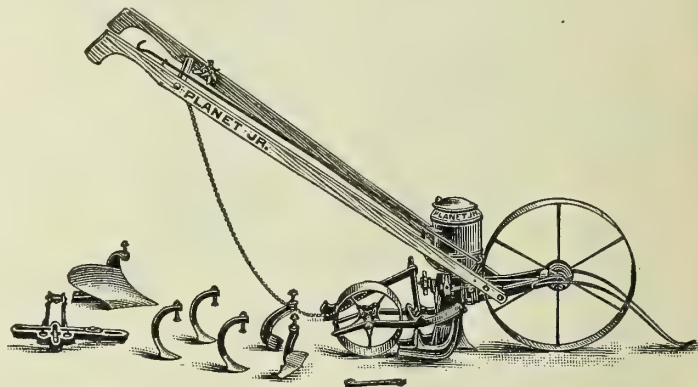
No. 1, Combined Drill Seeder, Wheel Hoe, Cultivator and Plow. Price, complete, \$11.00. Seeder only, \$8.50.

This tool is known and used the world over, and excepting our hill and drill seeders, is the most perfect drill known. The hopper holds three pints, and sows in an even, regular stream, whether there is much or little seed in it. The machine is extremely simple, has no agitators, belts or gearing, and will not injure any seed. From a drill it is changed to its other uses by removing two bolts, when hoes, cultivator teeth or plows can be quickly attached. It is a practical everyday time and labor saver, a grand remedy for the backache, and the best low priced combined machine on the market.



Space will not permit our showing and describing all of the "Planet Jr." Tools, but we will send a full illustrated catalog free for the asking to any one desiring it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us you can rely on getting bottom prices.

No. 6, Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. Price, \$15.00.

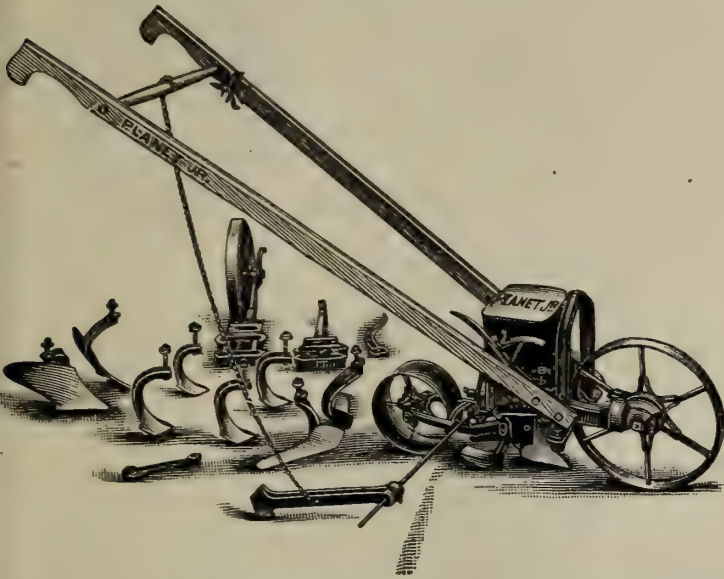


This, our latest Planet Jr. Seeder, has been under construction for two years, past, and has been held back until every detail has been made as nearly perfect as possible. The steel carrying wheel is 16½ inches high, with forged steel spokes, making an easy running tool. Handles adjustable. The feed and cut-off are the most accurate we have ever constructed. The opening plow is of a new shape, leaving the seed in a narrower row than any plow we have heretofore made. The roller is large and wide, leaving the seed in excellent condition for germination. This drill sows in drills, drops in hills, 4, 6, 8, 12, or 24 inches apart, covers, rolls down and marks the next row, all in one passage. As a wheel hoe the frame is similar to our No. 17 Single Wheel Hoe and equipped with the same tools. The combination is the best and most useful we have ever offered.

Planet Jr. Garden Tools meets all the requirements for lightening the work in the garden.

FARM AND GARDEN TOOLS—Continued

Planet Jr. No. 25, Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Price, \$15.00.

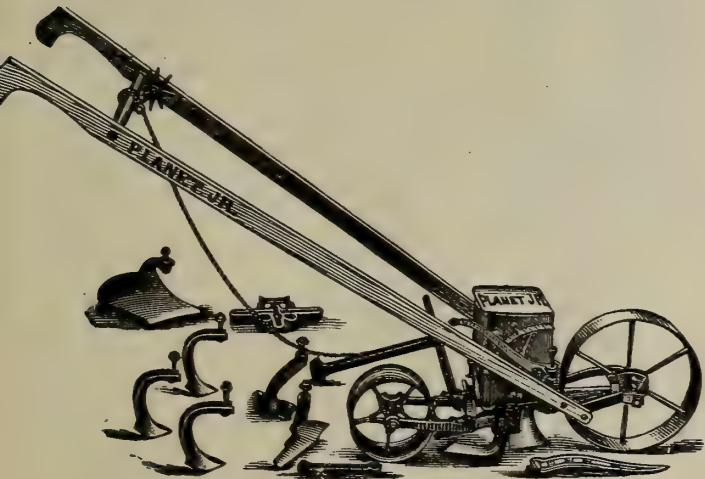


This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and prefer not to buy separate machines.

As a drill it is almost identical with the Planet Jr. No. 4 drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills.

As a Wheel Hoe it is identical with the Planet Jr. No. 12 Double Wheel Hoe, the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment and the whole combination is one we can heartily recommend and guarantee satisfactory.

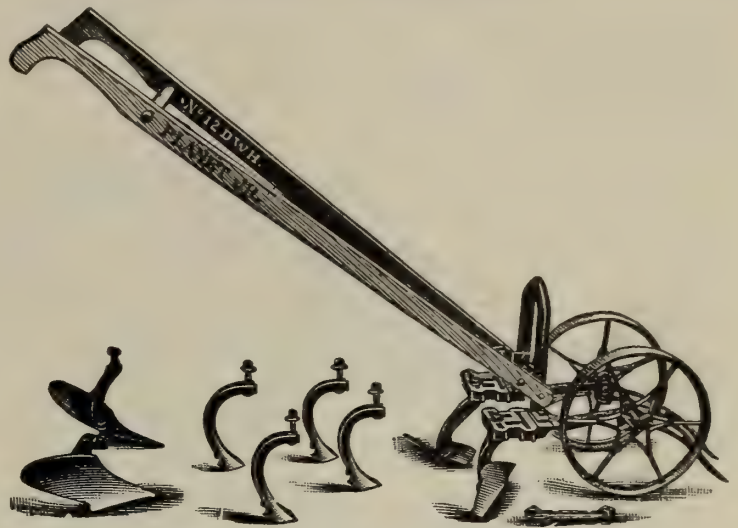
Planet Jr. No. 4, Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow. Price, Complete, \$12.50. Seeder only, \$10.50.



This is the most popular combined tool made. It combines in a single implement, a first-class, hill-dropping seeder, a Single Wheel Hoe or weeder, a cultivator and a plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills at 4, 6, 8, 12 or 24 inches apart.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. It is useful almost every day of the season, at every stage of the garden work. With this one implement the small farmer can do practically all the work in his small crops.

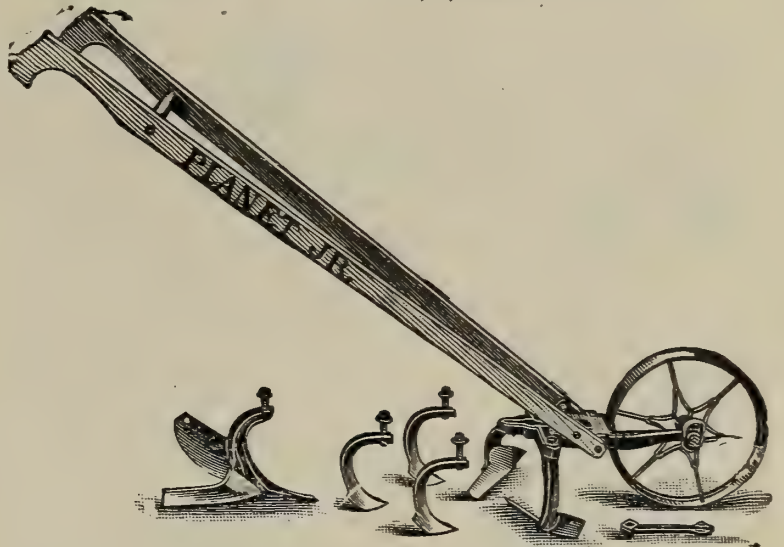
Planet Jr. No. 12, Double Wheel Hoe, Cultivator and Plow. Price, \$8.00.



Two acres a day can be easily worked with this implement, and when it is done it will be a better job than three men could have done with hand hoes. The No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Then, too, it's so easy to work. Twelve-year-old girls work gardens with them with ease and success.

The No. 12 has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of 4 all-steel cultivator teeth. The tools shown are what gardeners use most and others can be added as wanted.

Planet Jr. No. 17, Single Wheel Hoe, Cultivator and Plow. Price, \$6.00.



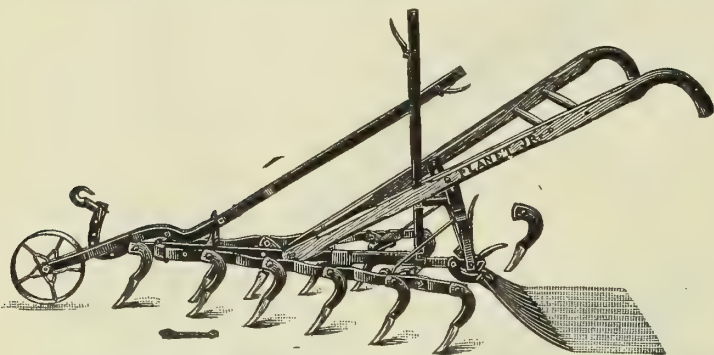
For easy gardening and at the same time clean and perfect gardening, the kind that will make your garden the talk of the neighborhood, and cause your face to glow with honest pride, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

Other attachments can be added at any time.

Our "Ideal" Poultry, Rabbit and Lawn Fencing is the peer of any fence on the market, combining strength, durability and neatness of appearance.

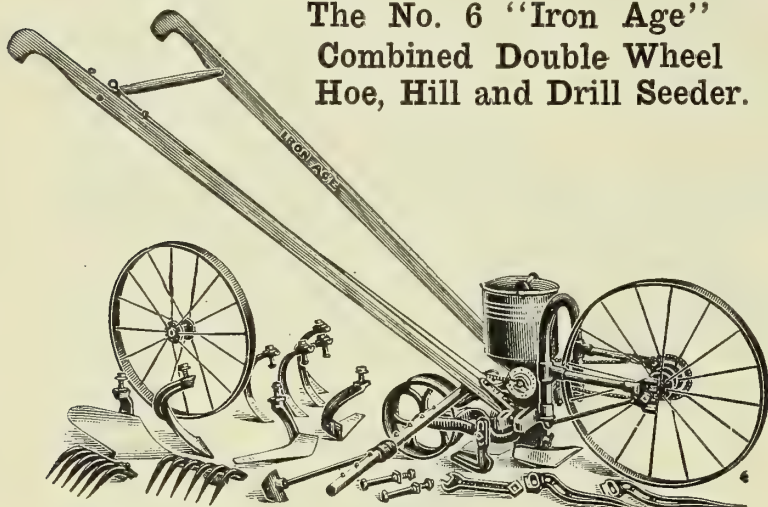
Farm and Garden Tools--Cont'd

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, plain, \$7.80; with wheel, \$8.35; complete, \$11.00.



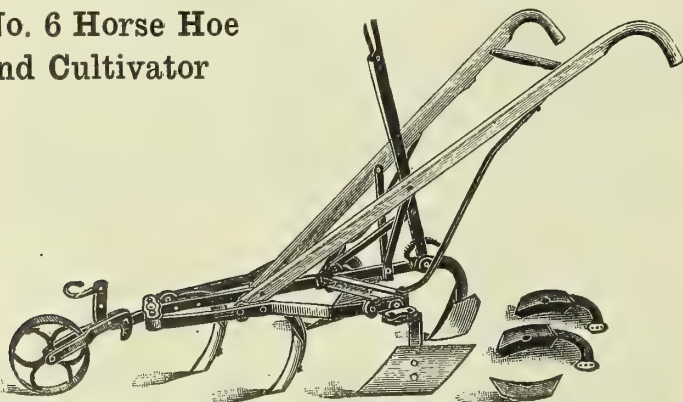
Gardeners cultivate better than formerly. It has been found to pay best. The farmer or gardener is most likely to cultivate best who has the tool best adapted to his purposes. With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.

The No. 6 "Iron Age" Combined Double Wheel Hoe, Hill and Drill Seeder.



This tool is without question the most practical and complete combined garden tool ever offered the public—the ease and simplicity of adjustment, the lightness combined with great strength, the accuracy by which it drills or hills the seed, and the small amount of power required to operate it, are the important features. The wheel is made of steel, 16 inches high, the frame of pipe, coupled to malleable castings. In each form, whether a Seed Drill, a Double Wheel Hoe, or a Single Wheel Hoe, it is equal to any tool or tools made especially for the one purpose. It places the seed in drills or in hills as at 4, 6, 8, 12 or 24 inches apart. Complete as in cut. Price, \$12.50.

No. 6 Horse Hoe and Cultivator

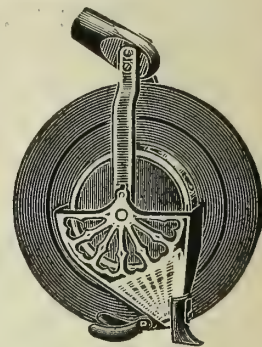


We can recommend to all of our customers as being one of the best tools made. Price, as in cut, \$7.00.

The Eureka Seed Drill

For Kitchen Garden and Hot-Bed Use

This little handy garden drill is designed only for small plots of ground, hot-beds, etc., and of course is not expected to be used for extensive planting like the large drills. Customers ordering same will please remember this, and that for such a low price a drill of any size could not be offered. However, for the purpose, it is intended, it fills its place very well, and we feel confident our customers will not be disappointed in placing orders for this valuable little drill. You can get close to the sides of your hot bed with this drill and save the annoyance of filling in by hand the ends of rows as occurs with other machines. Price, each, \$1.25.

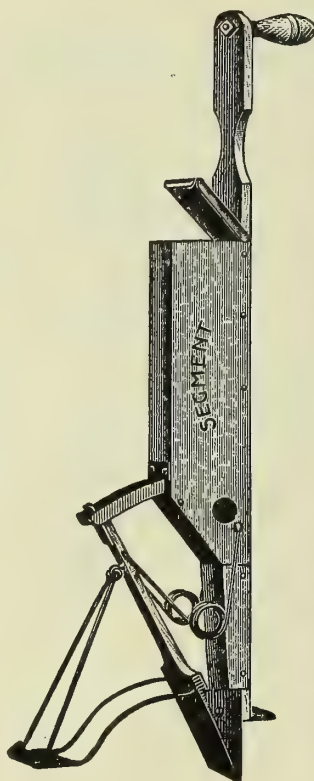


The "Segment" One-Hand Corn and Bean Planter

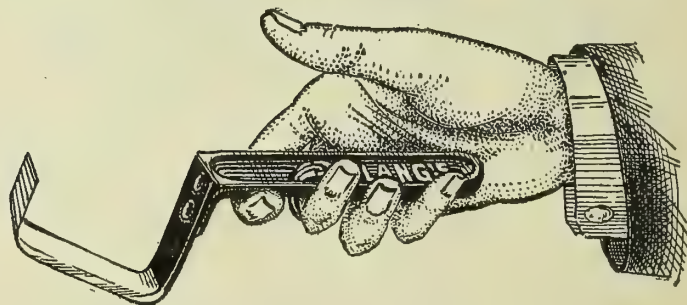
The seed pocket can be sufficiently enlarged to perfectly adapt it for planting the largest field beans as well as corn. The slide is an arc of a circle having its center where the jaws are pivoted together. In other words, the pivots on which the jaws open and shut are the hub of a wheel of which the slide is a part of the rim. There is consequently no friction nor lost motion. Price, \$1.75.

THE ECLIPSE ROTARY CORN PLANTER—Decidedly the best hand corn planter made and a very desirable implement for those who have a quantity of corn to plant. It puts the corn exactly where you want it, and at a proper depth. It is easily worked and a most satisfactory tool in every way. Price, \$1.50.

TRIUMPH CORN PLANTER—Has no objectionable features; is made of good material. Has Iron Seed Box and Iron Channel; foot of polished steel, strong, durable, and gives universal satisfaction. Price, \$1.00.

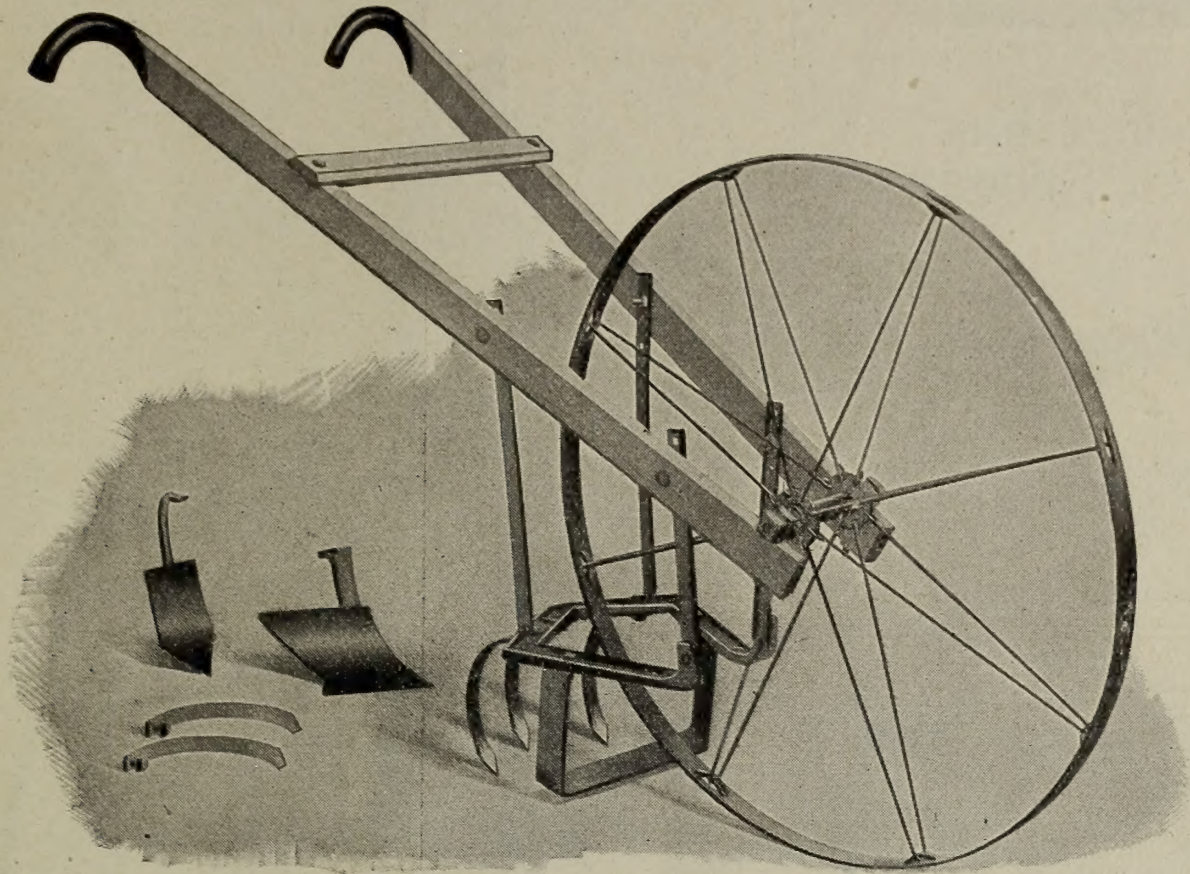


Lang's Weeder



It is very conveniently used, and fits the hand so comfortably that the fingers are entirely free for use wherever necessary. Net price, 25c; postpaid, 30c.

THE TUSCOLA GARDEN PLOW 30-INCH WHEEL



Five Spring Tooth Plows with polished face and emery ground points. (Such Spring Teeth found in no other.) Large moldboard attachment may be used for many purposes.

Shovel attachment of right size and shape to mark off or cultivate.

The spring tooth frame straddles the wheel bringing the pressure while cultivating under the wheel; this gives a lever power in handling found to be a vast advantage to the user.

The large 30-inch wheel raises the line of draft higher, and allows wheel to pass over cloddy, soft or sandy soil with great ease. Every one knows the higher the wheel the easier the draft.

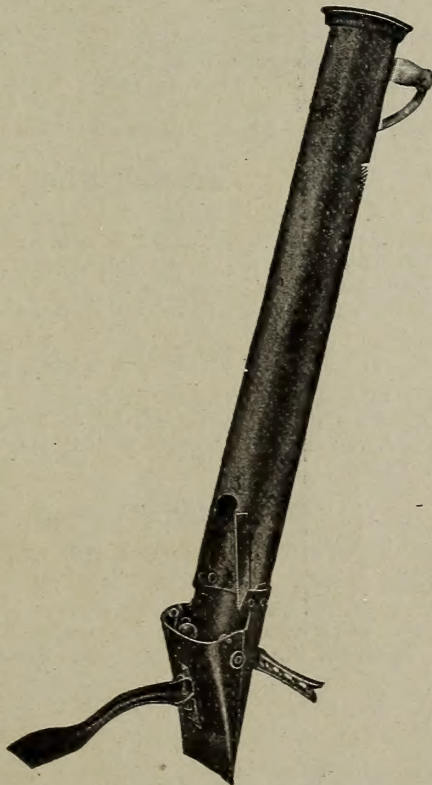
This Cultivator stands up alone on its own foundation both in store and field.

Has proven a King among Garden Cultivators. Handsome and well made. Every detail indicating a tool of great worth and capacity. Price, \$5.00.

Eureka Potato Planter

With this planter one man can plant several times as much ground without getting a lame back as can be done by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. Price, \$1.25.

With wood handle \$1.



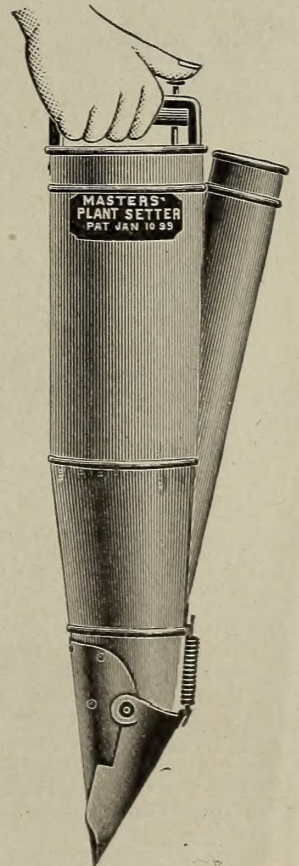
Master's Rapid Plant Setter

The only hand mechanical plant setter on the market. It is built on scientific principles throughout. The conical jaws are made of heavy sheet steel and the main body or water reservoir and plant tube of heavy tinned plate. The water valve is of brass with rubber packing. The valve rod and trip springs are of steel wire. The machine is well put together with rivets and solder and should last for years.

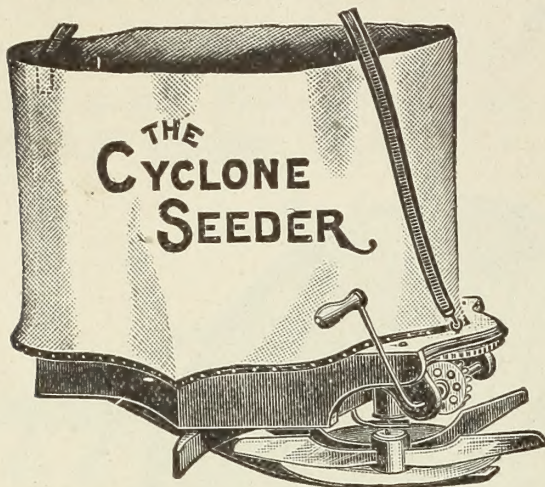
Plants are set in water or liquid manure and covered at one operation. Plants may be safely set out in hot, dry weather. Sets cabbage, cauliflower, tomatoes, sweet potatoes, sugar beets, etc., much more rapidly than by hand and with much less loss of plants. The plant setter has a record of more than 998 plants to grow out of each 1,000 set.

Any man can easily learn to set from 2,000 to 10,000 plants per day.

This system of planting is recommended as proof against cut worms. Weight, crated for shipment, 7½ lbs. Price, \$4.00.

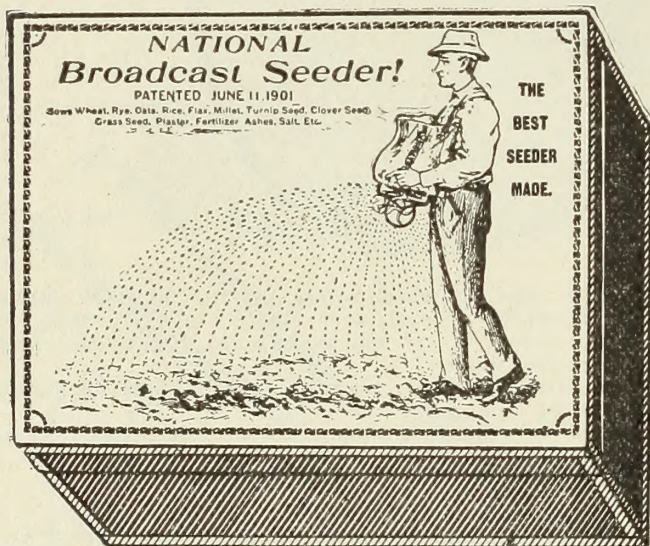


The New Cyclone Seeder



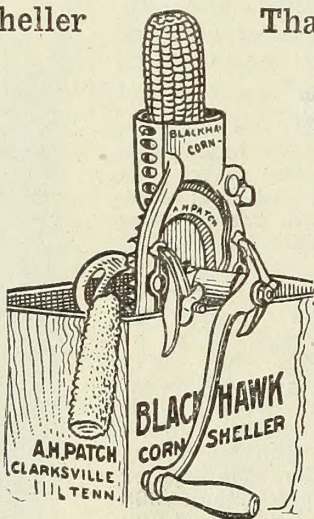
Will sow timothy, clover, oats, red top, turnip, millet, corn, cotton, and all other grains and seeds perfectly even and any desired amount to the acre, and from 40 to 60 acres a day. Price, \$2.25.

National Broadcast Seeder



Price, each, \$2.00.

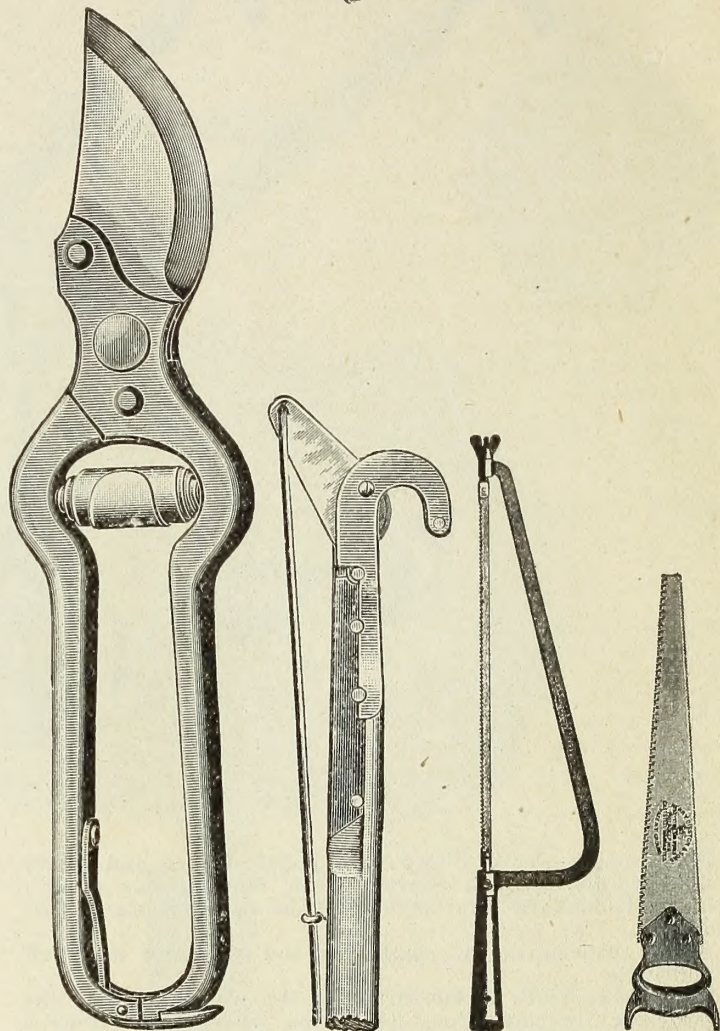
BLACK HAWK CORN SHELLER
A Sheller That Shells



It can be set to shell any corn that grows. Set in for popcorn and it will shell popcorn; set it for field corn and it will shell field corn; set it for the largest corn that grows and it will shell the largest corn that grows. That is why it is so much better than other types. Made with ball-bearings, obviating the expense of a heavy balance wheel. Easily fastened to box by thumb-screw—no bolts nor screws required—no holes to be bored. Price, \$2.50.

PRUNING TOOLS, KNIVES, WEEDERS, ETC.

Pruning Shears



No. 40 No. 20 No. 15 No. 10

HAND PRUNERS

No. 40. Nine inch; bright finish, polished blade, spiral steel spring; made for hard service. Price, \$1.00; postpaid, \$1.15.

No. 30. Similar to No. 40. A good low priced tool. Price, 60c; postpaid, 75c.

Wiss Pattern. This is made from the best high grade tool steel, finely tempered. One of the best tools on the market. Price, \$2.25; postpaid, \$2.40.

Branch Shears

Fresno Pattern, forged from high grade steel and finely tempered; long, solid steel ferrules; has lock nut and is one of the best tools on the market. Price, with 26-in. handles, \$2.00.

Shear, similar to above, only cheaper grade, \$1.25.

Long Handle Tree Pruners

No. 20. Indispensable in pruning tall trees. (See cut No. 20.) Cannot go by mail. Purchaser will have to pay freight or express charges. Price, 8 feet, \$1.00; 10 feet, \$1.10.

"Perfection" Pruning Saw

See Cut No. 15.

Made of best steel with adjustable blade, so any branch can be easily removed and close to trunk of tree. Can be used as a hand saw or fastened to any sized pole. The best saw on the market. Each, \$1.75; extra blade, 25c.

Duplex

See Cut. No. 10.

A double-edged saw, with fine teeth on one side and coarse teeth on the other. Price, 75c.

“Lightning” Grass Trimming Shears

For trimming ground flower beds, etc. Each, 50c; by mail, 65c.

Garden Trowels

A good steel trowel. Price, 35c; postpaid, 50c.

Grafting Wax

½ lb., 20c; lb., 35c; postage, 18c per bl.

Separator Oil

White Rose. Price, qt., 35c; gal., 85c.

Dairy Thermometers

Price, 35c; postpaid, 45c.

CREAM SEPARATORS

The Empire Easy Running Cream Separator

The Improved Frictionless Empire is the product of long years of development. It represents the highest, the very top notch of separator construction.

It meets every requirement when judged by the severest standards of experienced mechanics. That, in a sense, is the theoretical side. The practical every-day-work's side is proven by thousands and thousands of cow-owners in all parts of the country who have adopted and are using the Improved Frictionless Empire with perfect satisfaction after having tried and tested many other types of machines.

The Frictionless Empire is built for people who want the best. For people who are not satisfied with things that “will do.” For people who want not only more money, but the most money possible from their dairies. If you are that kind of a farmer you will understand that the best is the cheapest in the end. You will realize that the buying of a separator should be looked upon as an investment. You will consider the future returns, the future profits, instead of the first cost.

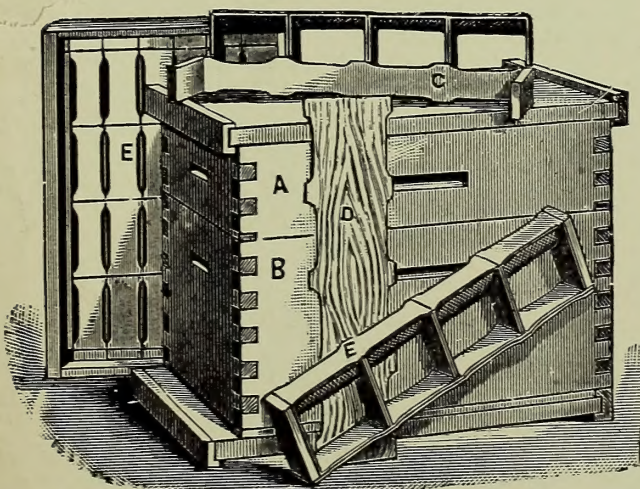
Our illustrated Catalog describes it in detail. If you haven't one, let us send it.

CAPACITY AND PRICES

No. 1 A—	350 lbs. per hour	\$ 60.00
No. 1 B—	450 lbs. per hour	75.00
No. 2 B—	600 lbs. per hour	90.00
No. 4 B—	800 lbs. per hour	110.00
No. 6 B—	1000 lbs. per hour	130.00

BEE HIVES AND MATERIALS

Hives



THE DOVETAIL CEDAR HIVE

Our hives and inside fixtures are made of thoroughly kiln-dried cedar, selected expressly for the manufacture of beehives and show superior workmanship by thoroughly

competent men, who have had years of experience in the manufacturing business. They are the most durable hive that is made and will stand any climate.

All of our hives are eight frames as these have become the most generally used, as it has been found that in the production of comb honey, eight frames are about all that an average queen will cover with brood and it is desirable to have all the surplus put in the supers.

Our hives combine all of the improved features that are practical, and we have taken great pains to produce the most perfect hive for the money, and we believe that an examination of our hives will convince you that we have succeeded.

The dovetailed hive is now generally used and we believe that it is a much superior make to the old rabbeted hive. It is much stronger in construction; it goes together easily, and when properly nailed is very durable; it does not check or warp, shrink and swell like a pine hive, when exposed to the weather. Every hive is furnished either with a flat cover or the improved Higginsville cover which is a combination of the flat and gable covers. We put up this hive for shipment in lots of five by simply crating the pieces together, or packing them in solid crates. No. 1 Dovetailed Hive (complete with one super), consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 6 section holders, 6 slotted separators. Price, 5 K. D., \$9.00; 1 nailed, \$2.25.

SUPERS—Same as for above hive. Each, 75c; 5 in flat, \$3.25.

HOFFMAN FRAMES—10 for 35c; 100, \$3.00.

SECTION HOLDERS—10 for 30c; 100, \$2.50.

SLOTTED SEPARATORS—10 for 10c; 100, 85c.

Eastern Pine Hives

We also have a 10-frame Eastern pine hive.

Price, 1½ story, complete.....\$ 3.00
Price, 5 K. D. 13.00

Bee-Smokers—Corneil

We recommend this smoker as the most useful for an apiary. It holds the fire well, and after standing for some time will throw out a large volume of smoke at almost the first blast of the bellows. It will also outlast the Clark, two to one, making it cheaper in the long run. Each, \$1.00; postpaid, \$1.25.

Clark's Cold Blast Smoker

It does the work very nicely where only a few hives are kept, but is a little troublesome when fire is kept too long. Price, 75c; postage, 20c.

Section Honey Boxes

These are made of the very whitest basswood, smooth on both sides, and are the best quality in every respect. Per 100, 70c; 500, \$2.75.

Price of Comb Foundation

Medium Brood, per lb.....60c
Thin Super, per lb.....70c

Daisy Fountain FASTER

This is the best for putting starters into sections. Nothing could be more simple or easily operated than this machine, and we are sure it will put starters in better and faster than any machine before produced. With this a boy or girl will put starters in about 500 sections per hour, and do it nicer than any of the presser machines we formerly sold. Complete directions accompany each machine. Price, with lamp, \$1.25; without lamp, \$1.00; weight, without lamp, 5 lbs.

Bee Veils, Cotton, each.....40c
Zinc Honey Boards, each.....30c

Entrance Guards

These are made of queen-excluding zinc, and are to be placed at the entrance to prevent swarming temporarily. We place them at the entrance Saturday evening, so no one will have to watch for swarming Sunday; we also use them after having a swarm to prevent absconding. Price, each, 15c; postpaid, 20c.

Alley's Combined Drone and Queen Trap

A perfect non-swarming arrangement. Each, 50c; by mail, 70c.

CHURCH'S SEED STORE

915 First Avenue
SPOKANE, WASHINGTON



Everything for the
Farm and Garden