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Will H. Johnson

**The MEYER-STISSER
COMPANY, Seedsmen**

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Third
Spring Catalogue.

1913

SEEDS
HORTICULTURAL
POULTRY and DAIRY
SUPPLIES

32 Light St.

*Between German and
Lombard Streets,*

Baltimore.

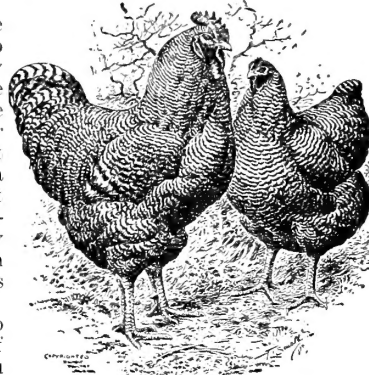
Telephone—St. Paul, 6916.
Cable Address—Meyerstiss.



SELECTION OF BREEDS.

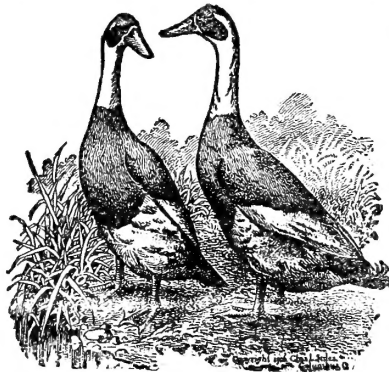
This subject may well be considered the foundation to success or failure in the poultry business and it should receive your careful thought. You are going into the business for profit, so do not be content with scrub stock for it makes a poor investment. We do not mean that you should purchase "fancy fowls" or "show birds," but endeavor to obtain thoroughbred fowls or eggs from thoroughbreds.

The poultry business is no exception to the rule that if you desire paying results, you must have a foundation for success, and no man can succeed who tries to build with poor stock. It costs no more to feed and care for a standard fowl than a mongrel, and you cannot realize high class results from the latter. From such attempts have come some of the failures recorded against the industry. You would not try to run a dairy without the very best grade of stock, nor would you expect the best crops without planting the best seed obtainable. This is the point on which many poultrymen fail, so make it a point to start right. Select a breed that is making a good showing for your particular purpose; and have your stock of some reliable strain. Make sure that the birds are healthy and vigorous individuals.



Barred Plymouth Rock.

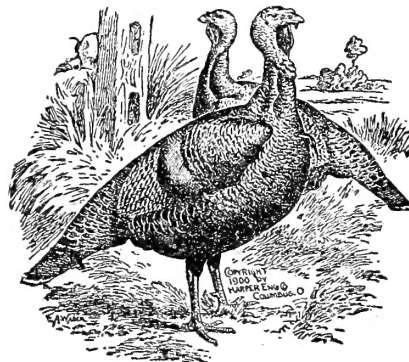
In every line you will find the man who has a hobby. Watch out for him. He is a good talker, believes in himself and his hobby, and is forever seeking converts to his wonderful ideas. Follow the advice and methods of the man whose ideas are paying him and whose experience is showing in actual dollars and cents. It is a case where money talks and outweighs fads and fanatics. Experience is often an expensive teacher, so let the knowledge of the man who is winning be a help, and take the short road to profit. It is generally more profit-



Indian Runner Ducks.

able to keep but one breed of fowls, and much care should be exercised and investigation made regarding the stock for the climate and location, instead of going into the business blindly.

Different Breeds—The space in this little book will not allow us to fully describe all the different breeds of fowls. Every poultryman should procure a copy of "THE AMERICAN STANDARD OF PERFECTION," which gives the weight, shape, markings, and color of each breed for male and female, as well as all points for judging value. This book which is published by the American Poultry Association, is the guide for all judges in awarding prizes. Revised every five years and sells for the uniform price of \$2.00. The most popular breeds just now seem to be the Leghorns, Wyandottes, Plymouth Rocks, Rhode Island Reds and Orpingtons. But we must not infer from this that there are not other breeds with qualities equally good. According to the The Standard of Perfection, the different classes of fowls may be noted as follows:



Bronze Turkeys.

STANDARD BREEDS.

- AMERICAN CLASS—Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, Buckeyes.
- ASIATIC CLASS—Brahmas, Cochins, Langshans.
- MEDITERRANEAN CLASS—Leghorns, Minorcas, Spanish, Andalusians, Anconas.
- ENGLISH CLASS—Dorkings, Redcaps, Orpingtons.
- POLISH CLASS—Polish.
- DUTCH CLASS—Hamburgs.
- FRENCH CLASS—Houdans, Crevecoeurs, La Fleche, Faveolles.
- GAME AND GAME BANTAM CLASS—Games and Game Bantams.
- ORIENTAL GAME AND BANTAM CLASS—Indians, Sumatras, Malays, Malay Bantams.
- ORNAMENTAL BANTAM CLASS—Sebrights, Rose Comb, Booted, Brahma Cochins, Japanese, Polish.
- MISCELLANEOUS CLASS—Silkies, Sultans, Frizzles.

In the Standard of Perfection the above classes are again subdivided into the several different varieties of each particular breed, but our space allow us only to mention them in a casual way.

DUCK CLASS—Pekin, Aylesbury, Rouen, Cayuga, Call, East India Crested, Muscovy, Indian Runner, Swedish.

GEESE CLASS—Toulouse, Embden, African, Chinese, Wild of Canadian, Egyptian.

TURKEY CLASS—Bronze, Narragansett, Buff, Slate, White, Black and Bourbon Red.

Selecting Eggs for Hatching. Gather the eggs several times during the day, or at least so in cold weather; chilled eggs do not hatch so well. Keep them in a moderately warm, but well ventilated room, and turn them once a day. Only nice, uniform and smooth eggs should be selected for hatching.

It is also necessary for your breeding stock to be healthy, well cared for, not too fat and have plenty of exercise.

PRICES ON UTILITY EGGS.

Eggs of Single Comb White Leghorn, Barred Rock, Rhode Island Red both Single and Rose Comb, and White Wyandottes, we can furnish as low as \$1.25 per setting of 15; \$6.00 per 100, f.o.b. our store.

PRICES ON SPECIAL MATING EGGS AND STOCK.

Black Minorcas, Andalusians, Anconas, Houdans, Barred, White, Buff and other Plymouth Rocks, Single and Rose Comb Rhode Island Red, Black Langshan, Wyandottes, Buff, White and Black Single Comb Orpington, White and Brown Single Comb Leghorn.

Golden Rod Poultry Farm Single Comb Buff Leghorn.

Eggs—Thoroughbred Stock,	15 Eggs	.....	\$1.50
Thoroughbred Stock,	100 "	.....	8.00
Exhibition Stock,	15 "	.....	3.00
Exhibition Extra Quality,	15 "	.....	5.00
Stock—Thoroughbreds, each		.....	3.00
Thoroughbreds, choice, each		.....	4.00
Exhibition Birds		.....	\$5.00 to \$25.00

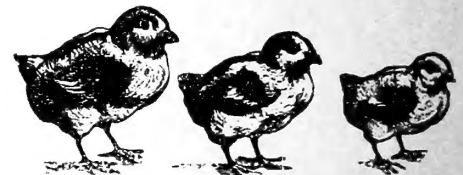
Special Mating Stock Baby Chicks. Prices on application.

We can furnish most all other varieties of poultry at the above figures, but must always have a week or ten days to furnish articles wanted.

White Peking and Indian Runner Duck Eggs. \$2.25 per setting of 11, \$10.00 per 100.

Prices on Turkey, Geese, Guinea and Other Eggs furnished on application.

Baby Chicks—Barred Rock, Rhode Island Red, White Wyandottes and Single Comb White Leghorn, \$1.75 per dozen; \$6.00, 50; \$10.00 per 100, f. o. b. our store.



SPECIAL ATTENTION.

As we are now in position to hatch eggs to order at our hatchery, we are soliciting all the contracts we can secure. Our rates are \$4.00 per 100. All eggs to be marked plainly by owner. Chicks and infertile and non-hatchable eggs to be called for at our store.

Standard of Perfection, revised edition, on sale at our store; \$2.00 per copy.



GENERAL LIST

Of Choice, Vegetable, Field and Flower

SEEDS

FOREWORD.

IT is with a feeling of profound gratification and with a sense of great pride that we present herewith our Catalogue for 1913. Another year has passed by, making it the second in the history of our young concern. We feel very much encouraged over the loyal support of our numerous patrons, who not only purchased from us time and again, but also put in a kind word about our concern to their various friends; in consequence of which our sales almost doubled. Through constant efforts and close personal attention we want to give the Public what they need, considering "Quality above everything else." In our minds the best assets a firm can have is satisfied customers, and we believe that we have in almost every instance achieved this result.

We use every effort possible in the selection of our seeds, and feel justified in saying that all our seeds are the purest and best to be found; but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops that it is impossible to guarantee seeds. Therefore, The Meyer-Stisser Company gives no warranty, expressed or implied, as to description, quality productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they must be returned at once.

When seeds are ordered by mail postage must be added to catalogue prices at the rate of eight cents per pound for Seeds, fifteen cents per quart for Peas and Beans, and ten cents per quart for Corn.

One-quarter pound, ounces and packages are mailed postpaid.

Prices of seeds vary. We quote Market Values upon request and always give our customers the benefit of the lowest price that the market condition will warrant. Special prices on a general list will be given upon application.

SUGGESTIONS FOR MAKING A LAWN.

There is nothing more essential to the well appearance of any place, whether it is a small city residence, suburban home, or a spacious country estate, than a well-established and kept lawn. The essentials for a fine lawn are: First, a rich, well-drained soil; second, careful preparation of the ground, making it fine and smooth but as mellow as possible; third, a wise selection of seeds and fertilizer; fourth, sowing at such a time as to give the young plants a chance to become well established before being subjected to very dry or to very cold weather. However much care is bestowed on the soil, seed and fertilizer no lawn will be beautiful without frequent mowing and rolling. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in Spring, others in Summer, others again in Autumn; and a combination of the proper sorts is required for perfect, carpet-like lawn. We have given much thought and made many experiments to secure the best selection, and think our **Roland Park Mixture** is the best possible for permanent lawns. It may be planted early in Spring or Fall, and should be sown at the rate of forty to fifty pounds to the acre and one pound to 200 square feet. In sowing the seed it could be mixed thoroughly with a good bone fertilizer in order to produce more bulk, which will enable it to be distributed more evenly on the ground. If sown in the Spring, sow as early as possible, making the surface very smooth and firm, then raking it over and sowing the seed just before a rain, which if the surface has been raked, will cover the seed sufficiently. If the expected rain does not come cover by rolling with roller or patting

with board or spade or our new lawn padders. If sown in the Fall sow before the Autumn rains have ceased and before very cold weather; and if the seed has not been mixed with bone fertilizer, as mentioned above, apply a light dressing of same.

THE KITCHEN GARDEN.

Every suburbanite, in fact every one who has the piece of ground and time to devote to same, should be provided with a kitchen garden, which affords an endless lot of pleasure, is instructive for the children, and provides abundance of fresh vegetables for the dinner table. We regret exceedingly that the confines of this book will not allow us to go into the details of describing when and how to plant the various varieties of vegetables and seeds, but in the preface of each variety of seeds in this catalogue you will find full instructions how to proceed.

THE FLOWER GARDEN.

The pleasure resulting from a large and varied collection of flowers will amply repay for time and labor spent. The soil adapted to flowering plants is generally a light, moderately rich loam, containing a sufficient amount of sand to make it pliable. A great many varieties will live in almost any soil, but to give them a fair chance to develop some care should be taken to make it suited to their needs. Many flowers are better if produced on plants of vigorous growth; so a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure or bone fertilizer. Cultural directions are given on nearly all flower seed packets, and we urge the gardener to study them carefully. While some seeds need special treatment, the following general rules will apply to all: Make the surface as fine and smooth as possible; do not plant any seeds when the ground is wet; cover each lot of seeds to a uniform depth, which should never be more than three or four times the diameter of the seeds; press the soil firmly over the seeds; plant in rows so that the young plants can be easily seen, and pull up all weeds as soon as they appear. A great many of the most fragrant and gorgeously brilliant colored flowers are produced from bulbs, and as these require no special attention for the most satisfactory results, we strongly recommend planting them. Every one can succeed with bulbs. Every Autumn no lover of flowers should neglect to make provision for planting an ample supply of the stately Hyacinth, gorgeous Tulips, the favorite Narcissus, or Daffodils, bright Crocus, dainty Snow Drops, beautiful Japanese Lilies and Irises, and the exquisite Lily of the Valley, which everybody loves, proud, hardy Lilies and fragrant Paeonies. We issue a Fall Bulb Catalogue.

FRUIT AND SHADE TREES, AND SHRUBBERY.

As soon as beetles and caterpillars, scale and fungus diseases make their appearance, get your spray pump and insecticides and start warfare on them, if not they will destroy plants, shrubbery and trees for you. For beetles and caterpillars use arsenate of lead; for scale insects, the most dreaded of which is San Jose scale, use kerosene emulsion, lime and sulphur solution, or miscable oil solution, the latter being the easiest to apply. For fungus diseases use Bordeaux mixture. As we have stated before, the confines of this book does not allow us to go thoroughly into details, but the desired information can be had for the asking.

THE MEYER-STISSER COMPANY.

ASPARAGUS—Seeds and Roots. (Ger. Spargel)**One ounce to forty feet of drill.**

CULTURE. Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. Set the plants (in rows) from three to four feet apart, and two feet in the rows, spreading out the roots, and covering from six to eight inches. On the approach of winter cover with manure or compost; fork the beds early in the spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

Columbian Mammoth White. A new and entirely distinct variety that produces shoots that are white, and remain white as long as fit for use. Pkg., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; two-year-old plants 75c. 100; \$5.00, 1000.

Conover's Colossal. Of large size, tender and of excellent quality. Green shoots. Pkg., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; two-year-old plants 75c. 100; \$5.00, 1000.

Palmetto. It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; two-year-old plants 75c. 100; \$5.00, 1000.

ARTICHOKES.

Large Green Globe. This is a very nice vegetable to eat. Some prefer it cooked like Asparagus; that is, take the flower head before it begins to open and cook much the same way as Asparagus. Pkt., 10c.; oz., 35c.

Jerusalem. The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk. Pk., 75c.; bu., \$2.50.

BRUSSELS SPROUTS. (Ger. Rosenkohl.)**One ounce will produce 2000 plants.**

A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to 100 buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equaled by the Cauliflower. Treat same as Cabbage.

Improved Dwarf. Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

BROCCOLI. (Ger. Spargelkohl.)**One ounce of seed to 200 feet of row.**

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves, and the heads are smaller. Treat same as Cabbage.

Early Large White. Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Early Purple Cape. Rather hardier sort, with greenish-purple heads, good flavor. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

BEANS. (Ger. Bohnen.)

CULTURE. The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre.

We furnish 5c. and 10c. packages of all Beans.**BUSH BEANS (Green Pod.)**

Black Valentine, or May Queen. Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Dwarf Horticultural, or Cherry. This is a broad, long, flat, meaty bean, very productive, delicious flavor. It also makes a good dried bean for Winter. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Earliest Red Valentine. One of the popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pt., 15c.; qt., 25c.; pk., \$1.10; bu., \$4.00.

Extra Early Refugee. Produces round pod light green beans. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.00.

Burpee's Stringless Green Pod. An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

**Giant Stringless Green Pod Beans.**

Giant Stringless Green Pod. The round dark green pods, giant in size, are absolutely stringless and unsurpassed in tenderness. For the garden, there are few that will give better satisfaction. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

White Navy, or Boston Pea Bean. Yields large quantities of white shell beans, which are used for baking. Pt. 15c.; qt., 25c.; pk., \$1.25.

WAX POD VARIETIES.

Currie's Rust-Proof Black Wax. Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color, and not apt to rust. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Davis White Kidney Wax. Pods remarkably long, straight and handsome, waxy white color; enormously productive; seed white. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Wardwell's Kidney Wax. In growth of vine and productiveness this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Improved Golden Wax. Small plants of erect growth bearing flat pods about five inches in length, and of excellent quality. An early and reliable variety recommended for home use. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.25.

Prolific Black Wax. The old standard Black Wax Bush Bean. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

BEANS, Wax Pod Varieties—Continued.

Webber Wax. Unquestionably one of the best wax podded beans ever introduced. It is a market gardener's bean, having been originated in one of the best market gardening sections of the West. It produces a deep golden colored pod of good length; shape semi-round, thick meated, stringless and of exceptional quality. Vines strong, holding the pods well up, with good leaf covering and bearing in profusion. No other wax bean can compare with this one in the exceedingly bright color of pod. It sells readily on the market on account of this attractive color. The dry bean is oval, medium sized, yellow. Pt., 15c.; qt., 25c.; pk., \$1.50; bu., \$5.00.

FARMOGERM (Nitrogen Gathering Bacteria). This wonderful preparation will revolutionize your bean crop, both in quantity and length of bearing time. Use according to directions and always mention the crop for which it is wanted. 50c. per bottle postpaid. See page 17 for particulars.

LIMA BEANS.

POLE VARIETIES. (Ger. Stangen Sorten.)

CULTURE. These require poles eight to ten feet long. The beans should be planted the middle of May if the season is suitable. Set poles four feet apart each way, and plant four to six beans, about one inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles, to effect more perfect growth below. Lima Beans for early use may be grown in frames and transplanted.

King of the Garden. Vigorous grower, bearing large pods, five to eight inches long. Beans large and of rich flavor. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Extra Large White. The old favorite for home use or market. Our stocks are carefully selected. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Dreer's Imp., or Potato Lima. Beans round and thick, delicious flavor, easy to shell, immense cropper. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Siebert's Early Lima. Very fine, immense, beans, which retain their green color a long while. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Ford's Mammoth Podded. Pods contain from five to seven beans; vine grows vigorously, and bears until frost. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

BUSH VARIETIES. (Ger. Busch Sorten.)

CULTURE. Plant in rows two feet apart, and about one foot apart in the rows.

Burpee's Bush Lima. The true bush form of the old large lima. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.50.

Henderson's Dwarf Lima. Beans are small, but their flavor is excellent. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.50.

Dreer's Bush, or Potato Lima. Produces a medium size thick bean of fine quality. Pt., 15c.; qt., 25c.; pk., \$2.00; bu., \$7.50.

Wonder Bush Lima. Pods are truly enormous in size, abundantly and well filled with handsome beans, which are both larger and thicker than those of the popular Burpee's Bush Lima. Pt., 20c.; qt., 35c.; pk., \$2.75; bu., \$10.00.

Fordhook Bush Lima. Similar to Dreers, but far superior, bearing in clusters of from four to eight, averaging four large beans to the pod. Pt., 25c.; qt., 40c.; pk., \$3.00; bu., \$12.00.

ENGLISH, or BROAD WINDSOR BEANS.

(Ger. Sau, oder Grosse Bohnen.)

CULTURE. Same as Bush Lima, only plant thinner. A bean similar to Lima Beans, but of different flavor and larger. Should be planted early, as they are very hardy. Pt., 20c.; qt., 35c.; 4 qts., \$1.25.

POLE BEANS. (Ger. Stangen Bohnen.)

CULTURE. Same as Pole Lima.

Horticultural. Pods green, dashed with red when beans are matured. Very showy. Pt., 20c.; qt., 30c.; pk., \$1.75; bu., \$7.50.

Kentucky Wonder, or Old Homestead. Very prolific, large pods. Pt., 20c.; qt., 30c.; pk., \$1.75; bu., \$7.50.

Lazy Wife's, or White Cherry. Pods six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap-bean; also a good, white shell-bean for Winter. One of the very finest flavored. Pt., 20c.; qt., 30c.; pk., \$1.75; bu., \$7.50.

Yard, or Snake Beans. Grows beans from 20 to 30 inches long, and of beautiful green color; fine flavor; stringless. 10c. packages only.

We furnish 5c. and 10c. packages of all Beans.

TABLE BEETS. (Ger. Salatrübe.)

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

CULTURE. The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For Winter use sow as late as June. When the plants have attained three or four inches in height, thin out so that they stand five or six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over Winter. Be careful not to bruise them in handling.

Extra Early Flat Egyptian. Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

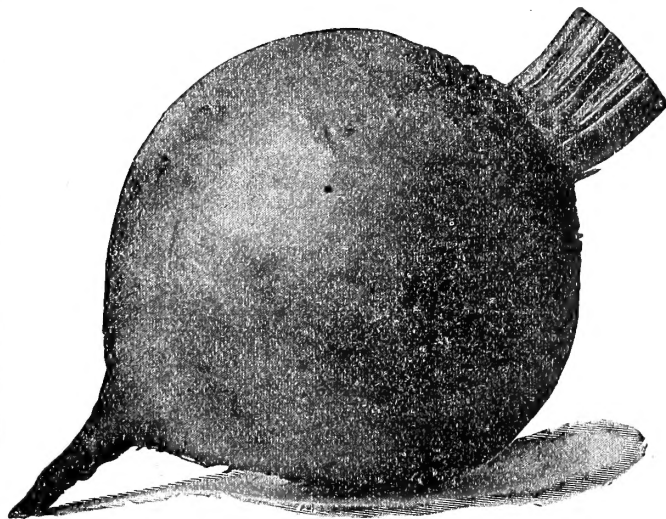
Crosby's Improved Egyptian. Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Extra Early Eclipse. Very early, handsome, smooth, dark, round-shape beet. Small top, and of excellent table qualities. Makes an attractive seller in market. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Edmand's Blood Turnip. This beet, of American origin, is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size. Color dark red, flesh purplish-red, crisp, tender and sweet. An excellent keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Detroit Dark Red. A blood-red, early, turnip-shaped variety. Has small, upright tops; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market gardeners. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Long, Smooth, Dark Blood. This variety has long slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



Dark-Leaved Globe Beet.

Dark-Leaved Globe Beet. Hitherto, the improved selections of turnip-rooted beet have been wanting in that important essential, a dark leaf. The novelty we offer has not only a dark leaf, but is the darkest fleshed round beet. These two important features, coupled with its handsome form, place this variety in the front rank of this class of beet. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Swiss Chard, or Spinach Beet. Giant Lucullus. The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Giant Lucullus is the largest and best variety of Swiss Chard, and you should not fail to plant at least one long row in your garden this Spring. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

MISS ELSIE VARLEY, Garden Superintendent of the Women's Civic League, quotes: Gentlemen—All the Vegetable and Flower Seeds as well as Plants, which we secured from you, have proven very satisfactory and have helped us greatly in our work.

TABLE BEETS—Continued.

Crimson Globe. A second early variety, does not grow large and coarse, the matured beets being medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

BEET (Mangel-Wurzel.) (Ger. Runkelrueben.)

Used for feeding cattle. Sow five pounds per acre.

CULTURE. Sow in April and May in thoroughly plowed, well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

Jumbo Mangel. Immense, long red, very fine quality. Oz., 5c.; ¼ lb., 15c.; lb., 40c.

Gate Post Mangel. Large, yellow, excellent sort. Oz., 5c.; ¼ lb., 15c.; lb., 40c.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. Oz., 5c.; ¼ lb., 15c.; lb., 35c.

Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz., 5c.; ¼ lb., 15c.; lb., 35c.

Improved White Sugar Beet. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz., 5c.; ¼ lb., 15c.; lb., 35c.

CABBAGE. (Ger. Kopfkohl.)

One ounce will produce about 2500 plants; one-quarter pound for transplanting an acre.

CULTURE. Sow seeds in January or February in hot-beds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

EARLY VARIETIES.

New Early. The largest of the early cabbage. The head is a roundish flat and remarkably solid. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.



Early Jersey Wakefield Cabbage.

Early Jersey Wakefield. The finest oblong shaped cabbage in existence. The head is solid, there being very few outside leaves. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Large Charleston Wakefield. Similar to Early Jersey, but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Early Flat Dutch. A dwarf-growing type, principally used for early Summer. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

SECOND EARLY VARIETIES.

Early Drumhead. A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Succession. A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

LATE, OR WINTER VARIETIES.

All Seasons. (Vandergaw.) A very large head, round and solid. It is valuable for Summer or Winter use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Danish Ballhead. An elegant medium late variety. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

Red Dutch Drumhead. A red variety, used extensively for pickling. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Volga. The heads often weigh 12 to 15 pounds. The interior is pure white. The heads are very solid. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 85c.; lb., \$3.00.

CABBAGE PLANTS.

Early Sorts. From hotheds. All the leading varieties ready April 1st. 40c., 100 (by mail, 55c.); \$3.00, 1000.

Late Sorts. Ready July 1st. 40c., 100; \$3.00, 1000.

CAULIFLOWER. (Ger. Blumenkohl.)

One ounce of seed to 1500 plants.

CULTURE. When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep, rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of the Cabbage. For early Fall crops, sow in May and transplant in June, in rows four feet apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

Early Snowball. An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture. Pkt., 10c., 25c. and 50c.; oz., \$2.00.

Select Early Dwarf Erfurt. Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt., 10c. 25c. and 50c.; oz., \$2.00.

Veitch's Autumn Giant. A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt., 5c. and 10c.; oz., 50c.

CELERY. (Ger. Sellerie.)**One ounce will produce about 2000 plants.**

CULTURE. Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties three feet, and the taller sorts four feet between the rows; plant six inches apart in the rows. Cultivate well, and when large enough, blanch by earthing-up. The first operation is that of "handling," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

French Golden Self-Blanching. For early use; preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautiful waxy golden color. Grows to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Pkt., 10c.; oz., 75c.; $\frac{1}{4}$ lb., \$3.00.

White Plume. Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Giant Pascal. The stalks are very large, thick, solid, crisp and of a rich, nutty, flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Golden Heart. Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Boston Market. A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Winter Queen. This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt., 5c. and 10c.; oz., 20c. $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Victory. Runs a close second to the above, very similar. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Celeriac, or Turnip-Rooted Celery.

Giant Prague Celeriac. (Prager Riesen Sellerie.) This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent, Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

CORN SALAD. (Ger. Acker Salat.)

CULTURE. Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September.

Large Leaved. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

CRESS. (Ger. Kresse.)

Curled, or Pepper Grass. The best sort for dry soils. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.

Water Cress. Requiring running water, ditch or pond. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

CHICORY. (Ger. Chicorie.)

CULTURE. Sow in May and June in drills. Transplant or thin to six inches; treat as Endive, except that late in Summer or Fall it should be gradually banked up like Celery.

Witloof. Known in restaurants as French Endive. The stalks when blanched make a delicious salad. It is used by the French as a boiled vegetable. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.

CHERVIL. (Ger. Gartenkerbel.)

Curled, or Double. For garnishing, also as greens for soups. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.

CARROT. (Ger. Moehre, oder Gelbe Ruebe.)**One ounce to 100 feet of row.**

CULTURE. A light, loomy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

Pride of the Market. An ideal, medium early, stump-rooted carrot; smooth and uniform in shape, averaging five inches in length, with thick heavy shoulders, rather large tops and deep orange color. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Parisian Forcing. Extremely early, of small size but very sweet, tender and beautiful orange red color. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Chantenay. Tops medium sized; necks small; roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Danvers, or Half-Long Orange. Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

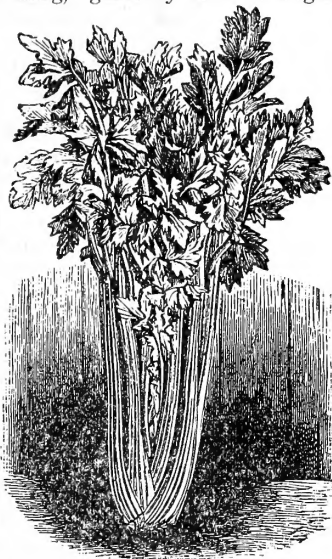
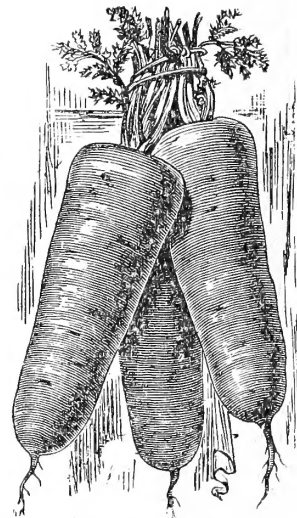
Guerande, or Oxheart. A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Intermediate. (St. Valery). Matures earlier than Long Orange Improved; has shorter and broader roots which gradually taper to a point. Valuable for feeding stock. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Long Orange Improved. The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

SWEET, or SUGAR CORN. (Ger. Zucker Mais)**One quart will plant 200 hills; eight to ten quarts in hills to acre.**

CULTURE. The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2 $\frac{1}{2}$ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

**French Golden Self-Blanching.****Pride of the Market Carrot.**

SWEET, or SUGAR CORN—Continued.

Extra Early Adams. Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.75.

Early Adams. Similar to Extra Early Adams; larger, but not so early. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$2.75.



Snow White Evergreen Sugar Corn.

Snow White Evergreen Sugar Corn. It produces large uniform ears, which are well filled to the top, with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Read what some of our customers say about our sugar corn. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Peep-O-Day. This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. It may be used for early or late planting with equal success; claimed to be the most prolific variety. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.75.

Golden Bantam. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from one to two good ears to the stock. Pt., 15c.; qt., 25c.; pk., \$1.50; bu., \$5.00.

Black Mexican. An old favorite, being very tender and sweet. Pt., 15c.; qt., 25c.; pk., \$1.00.

Premo. One of the finest early that grows. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Metropolitan. Runs a close second to Premo. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Extra Early Evergreen. A splendid variety to come in between early and late sorts, and is destined to become as popular as Stowell's Evergreen. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Early Mammoth. Large ear, and early; splendid early market sort. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Stowell's Evergreen. Matures for table in about 80 days from germination. One of the sweetest, ears large, deep grained, of excellent quality, remaining green longer than any other variety. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Stowell's Evergreen on Ears. Each, 5c.; doz., 50c.; 100, \$3.50.

Late Mammoth Sugar. The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Country Gentleman, 70 Days. A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Shoe Peg, or Ne Plus Ultra. Very similar to the above. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Red Cob, or 90-Day Corn. A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. ¼ pk., 25c.; pk., 75c.; bu., \$2.50.

POP CORN.

There is hardly a home in the country during winter where the popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice. Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

Corn Poppers. 15c. each.



Popping Corn.

CUCUMBER. (Ger. Guerke.)

One ounce will plant fifty hills; two pounds, one acre.

CULTURE. For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop 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. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.

Early Fortune. A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

New Klondike. One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Improved Early White Spine. The old standard favorite. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Special prices on large quantities.

Arlington White Spine. Another standard sort. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Special prices on large quantities.

Improved Long Green. Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Jersey Pickle. Productive and said to "green" better than any other variety, and to "hold color." Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Livingston's Evergreen. A very strong grower, very early, bears firm, crisp fruit, which is excellent for slicing or pickling. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Early Green Cluster. A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Small Gherkin, or Burr. Used only for pickling while young and tender. Pkt., 5c. and 10c.; oz., 25c.

Japanese Climbing. Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable interesting novelty. Pkt., 5c. and 10c.; oz., 20c.

English Forcing Telegraph Cucumber. These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt., of 12 seeds, 25c.; 100 seeds, \$2.00.

EGGPLANT. (Ger. Eierpflanze.)

One ounce will produce about 1000 plants.

CULTURE. Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

New York Improved Purple. The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 85c.

Black Beauty. The earliest large variety; color rich, dark purple. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 85c.

ENDIVE. (Ger. Endivie.)

CULTURE. Sow in June, July and August; cover lightly; when up, thin out to eight inches apart, and water well afterward, if dry. When the leaves are six or eight inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

Green Curled. Tender and crisp. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

White Curled. Self-blanching. Very tender when young; blanches readily. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

HORSE RADISH ROOTS.

Ready April 1st. Extra strong roots will produce large size radish the first season.

Regular Variety. Doz., 15c.; 100, 50c.; (postpaid 65c.); 1000, \$4.00.

Maliner Kren. A large quick-growing variety, which is now the very best horse radish grown. Doz., 25c.; 100, 75c.; 1000, \$6.00.

HERBS. (Ger. Kräuter.)

CULTURE. Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Sage. For seasoning and dressing. Pkt., 5c. and 10c.; oz., 20c.

Thyme (Broad Leaf). For seasoning, also for making tea for nervous headache. Pkt., 5c. and 10c.; oz., 25c.

Sweet Basil. For flavoring soups. Pkt., 5c. and 10c.; oz., 20c.

Summer Savory. Used for flavoring. Pkt., 5c. and 10c.; oz., 15c.

Lavender. For flavoring and perfumery. Pkt. 5c. and 10c.; oz., 25c.

Carroway. Seeds used to flavor bread. Pkt., 5c. and 10c.; oz., 15c.

Sweet Marjoram. Leaves and ends of shoots used for seasoning. Pkt., 5c. and 10c.; oz., 20c.

Rosemary. Leaves are used for seasoning. Pkt., 5c. and 10c.; oz., 30c.

Dill. The seeds are used as a condiment and for pickling. Pkt., 5c.; oz., 10c.; lb., 60c.

Rue. Pkt., 5c. and 10c.; oz., 20c.

Coriander. Pkt., 5c. and 10c.; oz., 15c.

Borage. Pkt., 5c. and 10c.; oz., 15c.

Fennel. Pkt., 5c. and 10c.; oz., 15c.

Wormwood. Pkt., 5c. and 10c.; oz., 20c.

KOHL-RABI. (Ger. Kohlrabi.)

One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

Earliest White Vienna. Greenish-white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

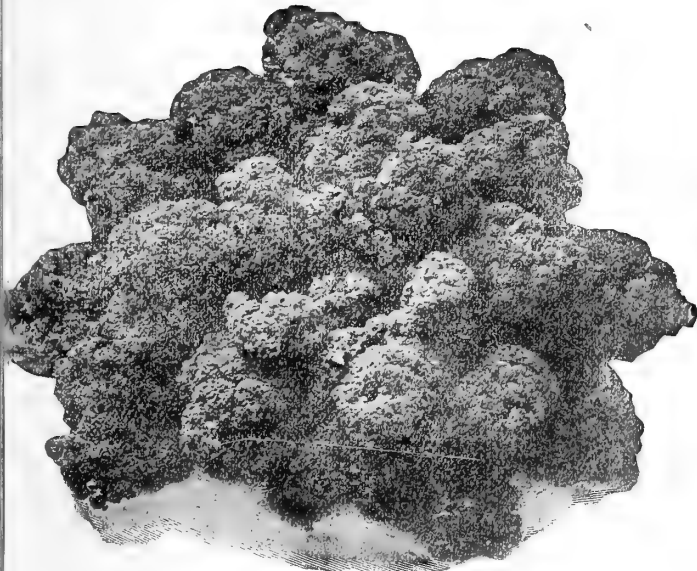
Earliest Purple Vienna. Same in every respect as the Earliest White Vienna, except in the outside color. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

KALE. (Ger. Krauskohl.)

One ounce sows a drill of about 100 feet.

CULTURE. Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter.

The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.



Emerald Isle Kale. The finest Kale in the world.

Emerald Isle Kale. This is really the handsomest kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Dwarf German Kale. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 30c.

Tall Scotch. Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

New Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Dwarf Green Curled Scotch, or Norfolk. One of the most popular shipping sorts; very largely used in the Norfolk trucking district. The leaves are of a bright green color, beautifully curled. Should be sown in rows in August and September. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Borecole, Hardy Winter. This variety is grown and treated like cabbage. The plant attains a height of 13 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are cut. This new growth is of finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

LETTUCE. (Ger. Salat.)

Two ounces of seed to 100 yards of row; one ounce for 2000 plants.

CULTURE. Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession.

Grand Rapids. Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

California Cream Butter. A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Improved Hanson. Large, compact, reliable header. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Big Boston. Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Boston Market, or White-Seeded Tennisball. Early and compact, quite-desirable. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Oak Leaf. Quite popular. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Big Head. A big, compact head. Has no core, but a tender, golden heart. Unexcelled for shipping; it resists the cold, and withstands the Summer heat. Crisp, mild flavor. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

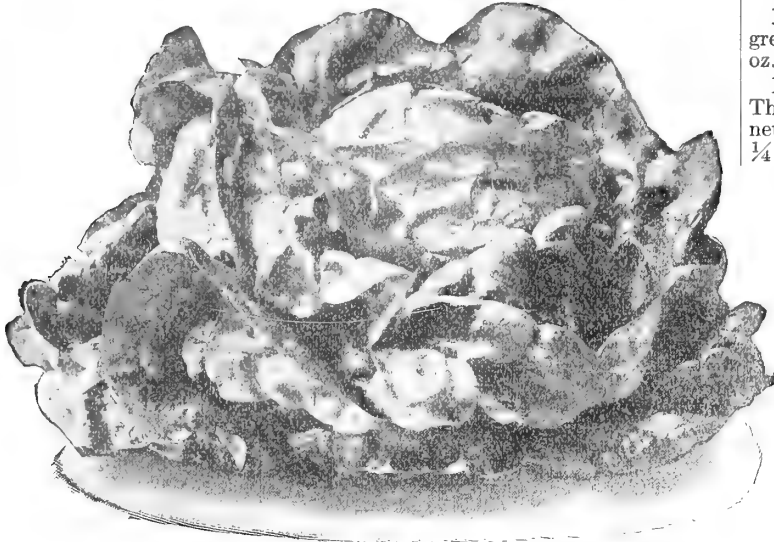
Improved White Loaf. Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Defiance. Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

M. & S. All-Season Strain. A cabbage lettuce of sterling merit, standing longer before running to seed, and making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

May King. This valuable new lettuce from Germany is, without any question, one of the best lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

LETTUCE—continued on next page.

LETTUCE—Continued.**M. & S. Belvedere Lettuce.**

M. & S. Belvedere Lettuce. Since being in business it has been our aim to introduce a strictly reliable heading lettuce which is slow in running to seed, will not turn red, and at the same time is tender and crisp. This has been realized in this new introduction. We advise our customers to secure this variety at once as we only have a limited quantity of seed. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Unrivalled. This grand new lettuce, can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

LEEK. (Ger. Lauch.)

One ounce to 150 feet of row.

CULTURE. Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

Giant Carentan. Produces a large, thick stem, and of mild flavor. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

London Flag. One of the hardest and best for Winter use. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

MUSKMELON, or CANTALOUPE. (Ger. Melone)

One ounce will plant about 50 hills; two to three pounds in hills to acre.

CULTURE. Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on pieces of sod.

Jenny Lind. Very early, small, round, netted and of fine quality; green fleshed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Rocky Ford. We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Early Netted Gem. One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 65c.

Emerald Gem. Small, green skin, delicious yellow flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Acme, or Baltimore Nutmeg. A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality. Green fleshed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 60c.

Hackensack, or Turk's Cap. A very fine, large sort; green fleshed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Miller's Cream, or Osage. Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Knight Cantaloupe. True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Imported Varieties for Forcing in Greenhouse.

Blenheim Orange. A favorite variety, scarlet flesh, good flavor. Pkt., 25c.

Windsor Castle. Green flesh, oval shape, finely netted, delicious flavor. Pkt., 25c.

MUSTARD. (Ger. Senf.)

White Mustard. For salads and culinary purposes. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Brown Mustard. Stronger than above. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

WATERMELON. (Ger. Wasser Melone.)

One ounce for thirty hills; four to five pounds for an acre.

CULTURE. Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

Monte Cristo, or Kleckley Sweets. Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled. The rind is thin, but sufficiently tough to stand carrying to nearby markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Triumph. Large oval, handsome dark green color, fine variety and of excellent quality. One of the finest melons ever introduced. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Florida Favorite. Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Melver's Wonderful Sugar. Resembles Old Rattlesnake, superior in quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Gray Monarch, or Long White Icing. Very large, long; crimson flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Mountain Sweet. Popular sort; early and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Dark Striped; Kolb's Gem. The great shipping melon. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Tom Watson. This melon has created quite a furore wherever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat, ripening close up to the rind. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. We believe it is destined to become one of the most popular melons on our list. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Improved Georgia Rattlesnake. The Old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Lord Baltimore. Oblong shape, light and dark green stripes. Splendid shipping melon, as well as for home use. Pkg. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

CITRON.

Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

OKRA, or GUMBO. (Ger. Safran.)**Four ounces to forty feet of drill.**

CULTURE. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

White Velvet, or Lady Finger. Bears round, white, smooth pods, unlike other varieties, which are ridged or square-edged. The pods are of extra large size, and are produced in great abundance. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Improved Dwarf Prolific. Of dwarf growth, but immensely productive, and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Perkins' Mammoth Podded. A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

ONION. (Ger. Zwiebel.)**AMERICAN GROWN SEED.****One ounce for 100 feet of drill; six pounds for one acre.**

CULTURE. For sets, sow the seeds as early as possible in the Spring very thickly, in drills. As soon as the tops dry off in Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions by this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

By sowing Onion Seeds in frames in February or March, and transplanting in April, Onions of immense size can be obtained. Use Prizetaker or Bermuda varieties for this.

Yellow Globe Danvers. One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped, with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the original Danvers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Extra Early Barletta. An extremely early maturing variety, very white and particularly desirable for pickling. Bulbs very small and quite similar to Queen. If seed is sown out of doors in Spring and plants thinned in the usual manner they will produce bulbs one to two inches in diameter. If these bulbs are set out the following Spring, or if plants are grown under glass in Winter and set out in the Spring, they will produce large onions. This variety and Queen are the ones most generally used in this country for producing the small pickling bulbs. For this purpose growers usually plant the seed thickly in drills fifteen inches apart and use 40 to 50 pounds to an acre. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

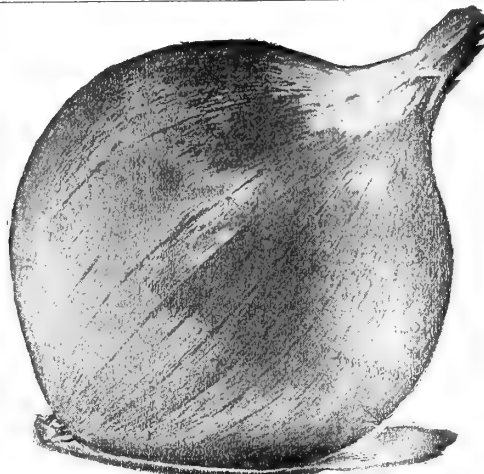
White Portugal, or Silverskin. Ripens early; of large size, mild in flavor, and excellent for Winter use; much esteemed for pickling when small. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Large Red Wethersfield. Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Australian Brown. The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Chives Seed. Pkt., 10c.; oz., 75c.

Bermuda Varieties. They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. In the South seed sown in the Fall will produce fine large onions for market in early Spring. **Red Bermuda.** Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50. **White Bermuda.** Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

**Prizetaker Onion.**

Prizetaker. This is the large, pale yellow onion that is offered for sale in the fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Onion Sets. Onion sets should be planted out as early in Spring as the ground is dry enough to work; plant in rows one foot apart, with sets three or four inches apart. **Yellow Danvers**—Qt., 15c.; pk., 60c. **White Silver Skin**—Qt., 20c.; pk., 75c.

Bushel prices on application. Add 5c. per quart if to go by mail.

PARSLEY. (Ger. Petersilie.)**One ounce to 150 feet of drill.**

CULTURE. Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.

**Champion Moss Curled Parsley.**

Champion Moss Curled. A distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Plain, or Single. Very strong in flavor, but not curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

Hamburg, or Rooted. Edible roots. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

PEPPER. (Ger. Pfeffer.)

One ounce will produce 1000 plants.

CULTURE. Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

Ruby King. Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large Bell, or Bull Nose. Large early variety; mild flavor, thick and fleshy. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Long Red Cayenne. Long, slim, and very pungent. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Small Chili. Small, red, conical pods. Very hot and prolific. Pkt. 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Large Sweet Spanish. Very large and mild. Also called Sweet Mountain. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Chinese Giant. A recent introduction; large, of particularly fine quality. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Red Cherry. Pkt., 5c. and 10c.; oz., 25c.

PARSNIP. (Ger. Pastinake.)

One ounce for 200 feet of drill; five to six pounds for an acre.

CULTURE. Sow as early in the Spring as the weather will admit, in drills 15 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

Large Sugar, or Hollow Crown. The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

GARDEN PEAS. (Ger. Erbsen.)

Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

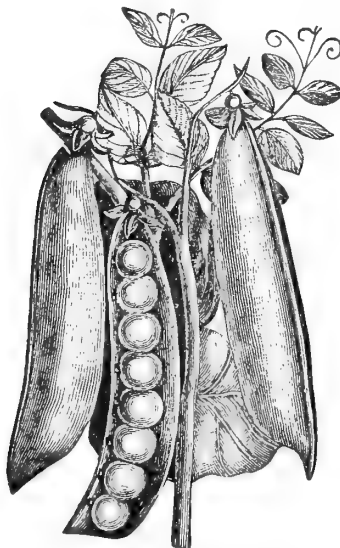
CULTURE. Peas succeed best in light, dry loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

Peas were an extremely short crop last season and prices are high.

Packets of all varieties of peas, 5c. and 10c.

If wanted by mail, add 10c. per pt., or 15c. per qt., extra.

Prices on all Pea Seeds are subject to market changes.

EXTRA EARLY VARIETIES.

Extra Early Alaska Peas.

Extra Early Alaska. Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Long Podded Alaska. Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt., 20c.; qt., 35c.; pk., \$2.50; bu., \$8.00.

Pedigree First and Best. An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Prolific Early Market. This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines

grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home garden. Pt., 20c.; qt., 35c.; pk., \$2.50; bu., \$8.00.

SECOND EARLY VARIETIES.

Gradus, or Prosperity. One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlys, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt., 20c.; qt., 35c.; pk., \$2.75; bu., \$10.

Nott's Excelsior. One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt., 25c.; qt., 40c.; pk., \$2.75.

Premium Gem. The round pods, two and one-half inches long, are borne on short bushes, which are well suited to small gardens. Pt., 15c.; qt., 25c.; pk., \$2.00; bu., \$7.50.

American Wonder. Dwarfier and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt., 20c.; qt., 35c.; pk., \$2.75.

Thomas Laxton. An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor. Pt., 25c.; qt., 40c.; pk., \$2.75; bu., \$10.00.

Abundance. One of the best and most satisfactory second early peas for general purposes, 15 to 18 inches high, large well-filled pods, excellent quality, branching in habit, therefore should be sown thin. Pt., 15c.; qt., 25c.; pk., \$2.00; bu., \$7.50.

Pollatch. Strong, vigorous vines, luxuriant dark foliage 24 inches in height, bearing pods three and one-half to four inches in length, pointed at ends, medium green in color. Pt., 25c.; qt., 40c.; pk., \$3.00.

Bliss' Everbearing. Vine stout, about two and one-half feet high, bearing at the top six to ten broad pods. If these are picked as they mature and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, cook very quickly, are tender, of superior flavor and preferred by many to any other sort. Pt., 15c.; qt., 25c.; pk., \$2.00; bu., \$7.50.

Gradus, or Prosperity Pea.

MEDIUM AND LATE VARIETIES.

Telephone. For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. Pt., 15c.; qt., 35c.; pk., \$2.50; bu., \$9.00.

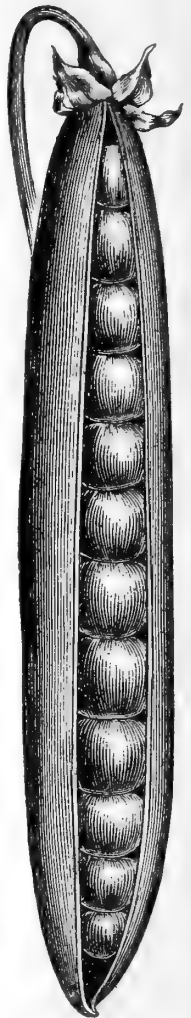
Champion of England. A standard pea; vines grow four and one-half feet high and bear medium-sized pods of peas of good quality. Pt., 15c.; qt., 30c.; pk., \$2.00; bu., \$7.00.

Improved Sugar Marrow Peas. We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large well-filled pods. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

French Canner. Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Tall Melting Sugar. The pods as well as the peas of this variety are edible and both very sweet. Pt., 20c.; qt., 35c.

Use **FARMOGERM** on Garden Peas and watch results. Price, 50c. per bottle. Full particulars on page 17.



POTATOES. (Ger. Kartoffeln.)

Ten bushels cut tubers will plant one acre.

CULTURE. Planting may commence as early in the Spring as the ground can be worked. Place one piece every 12 inches in rows 2½ feet apart, covering about four inches. When cutting the seed care should be taken that at least one good eye, or two small ones, is allowed to each piece. Sandy loam produces the best potatoes.

Our barrel sacks contain two bushels and three pecks.

Prices on quantity of Potatoes furnished on application.

Potatoes prices subject to market fluctuation.

M. & S. Snow. On account of the large yields that have been reported of this potato, our sale on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous and tubers always good size where soil is well tilled. Our customers will find the Snow a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts. Pk., 90c.; bu., \$2.50; bbl. sack, \$5.00.

Bliss' Triumph. Very early, thin red skin, round, white flesh. Pk., 60c.; bu., \$2.00; bbl. sack, \$4.00.

Pride of the South, or White Bliss. Productive and extra early. White skin and flesh. Round. Pk., 60c.; bu., \$2.00; bbl. sack, \$4.00.

Irish Cobbler. This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set. Considering its earliness, productiveness and excellent quality, we do not hesitate to recommend this as one of the best early varieties. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

Houlton Early Rose. The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years. It is preferred because it is a little earlier than the old Early Rose. A description of this variety is needless, as almost everyone knows of its excellence in quality and as a cropper. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

Bovee. This variety is of recent introduction, and its general good qualities have attracted much attention. More productive and earlier than the Early Rose. Pink, or flesh-color, smooth, uniform marketable size, dwarf stock vine permits close planting. Pk., 60c.; bu., \$2.00; bbl. sack, \$4.00.

Crown Jewel. A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

Beauty of Hebron. It is a very rapid and vigorous grower, ripening fully as early as the Early Rose, which it resembles, but frequently exceeds in productiveness and excellence for table use. A very good keeper. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

Early Ohio. This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early. Pk., 60c.; bu., \$1.75; bbl. sack, \$3.75.

Burbank. We have very fine stock of this old reliable late potato. The Burbank is of excellent quality, yields well and is a splendid keeper. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

Improved Green Mountain. For a main crop later potato we consider this variety one of the best. It is very white, has an excellent flavor, and is very productive. Popular with those who have tried it. Pk., 50c.; bu., \$1.75; bbl. sack, \$3.75.

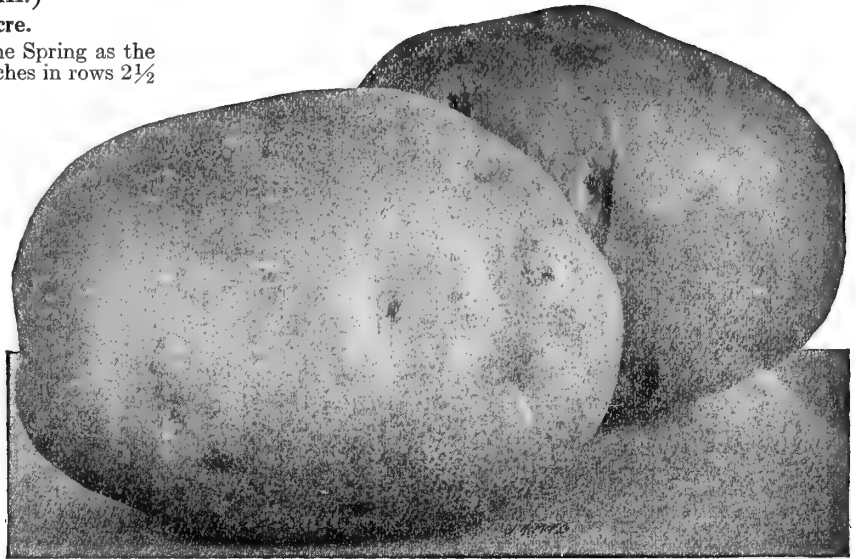
Early Norther, New Queen, Carmen No. 3, Prosperity. All choice northern stocks. Prices furnished on application.

Choice Seed Sweet Potatoes, Leading Varieties. Prices on application.

PUMPKIN. (Ger. Kürbiss.)

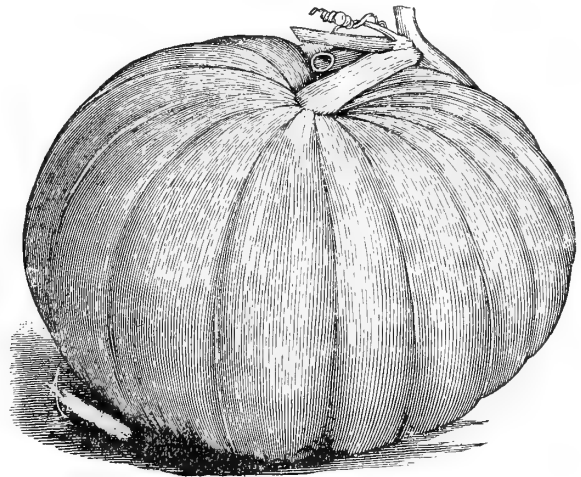
One ounce of seed will plant fifteen hills; three to four pounds plants an acre.

CULTURE. Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close; you will find that eight to ten feet apart each way is much better than closer planting.



M. & S. Snow Potato. Pedigreed Stock.

It is preferable to grow large quantities of Pumpkins as a special field crop, and not in the kitchen-garden as they always mix so badly with squashes and other vines. The few you do need to grow in the home-garden you should put in your most remote corner. You will, of course, sow some amongst your corn, putting in a few seeds, say every third or fourth hill, after the last working; this will give you plenty for the table and your stock the coming Winter.



King of Mammoths, or Pot Iron.

King of the Mammoths, or Pot Iron. An immense variety, which has taken several prizes offered for the largest and best pumpkin grown. Single pumpkins have grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

Cushaw, or Winter Crookneck. An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crookneck, fine grained yellow flesh, very solid. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

Tennessee Sweet Potato. Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet; a first-rate keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Cheese. Shape flat like a cheese box; good keeper, popular. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Common Yellow, or Connecticut Field. Very productive; for feeding stock. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Mr. HARRY BUSICK, of Towson, Md., says: Gentlemen—I planted two bushels of Irish Cobbler Potatoes purchased from your house and am delighted to tell you that I harvested 30 bushels of fine large tubers out of the patch.

PEANUTS. (Ger. Erdnuesse.)

For medium light, loamy or sandy land, Peanuts are one of the most profitable crops that can be grown. They yield very largely—yields of 50 bushels per acre being reported on land too poor to plant in corn. In addition to the yield of nuts, they yield quite largely of nutritious forage, and will yield ordinarily about a ton of excellent dry forage per acre, in addition to the crop of nuts.

CULTURE. Peanuts should be shelled before planting. They should be planted in May or early June, in rows about 2½ to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a small turn-plow throw the dirt to the nuts. Do not cultivate too late in the season, as late cultivation is likely to injure the formation of the nuts. It is also advisable to make an application of lime, scattering it on top of the row just after planting, and to use a top-dressing of land plaster just after the last working. Peanuts require plenty of lime to make first-class nuts, and the use of lime and land plaster as above mentioned is recommended by the most successful growers.

In harvesting, plow the Peanuts and then stack against stakes stuck into the ground, the roots with the Peanuts on them to the center, and the leaves outside.

The Peanuts we offer are selected from the best and most productive crops grown in Virginia. Peanuts are one of the most profitable and satisfactory crops that are grown in the South, and we recommend to all our customers, even if they do not plant for market, to plant at least a small patch of Peanuts for home use.

M. & S. Improved Jumbo Peanuts (Shelled). ¼ lb., 10c.; ½ lb., 15c.; lb., 25c. Special price on large quantity.

**RADISH. (Ger. Radies.)**

One ounce for seventy-five feet of drill; nine to ten pounds in drills to one acre.

CULTURE. To be tender and crisp, Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days, in a light, rich, deeply-worked soil. May also be sown as a catch-crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

EARLY VARIETIES.

White Tipped Scarlet Globe Radish.

White Tipped Scarlet Globe. A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and of good quality. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Icele. A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Early Scarlet Globe. This variety can be used for forcing and is recommended for early outdoor planting. It is a small, round, red radish, of excellent flavor. Its rich, crisp, tender flesh makes it very popular. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Early Long Scarlet Short Top. The principal outdoor, quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.

Extra Early Ruby King Radish. Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. Pkt. 5c., oz. 10., ¼ lb. 20c., ½ lb. 30c., lb. 50c.

Crimson Giant. An extra early radish, good for forcing or outdoor growth. It is nearly round in shape, remarkably solid, crisp and juicy. It will grow double the size of ordinary red forcing radishes, and still remain hard and solid. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

White Turnip (Short Top). Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Early French Breakfast. Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

White Strasburg. Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.

SUMMER VARIETIES.

Golden Globe. A favorite Summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Large White Stuttgart. Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for Winter. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Large White Summer Turnip. Round, smooth and very white; crisp and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

WINTER VARIETIES.

New Celestial, or White Chinese Half-Long, Stump-Rooted. Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Long Black Spanish. Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Round Black Spanish. Like the above, except that it is in round shape. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

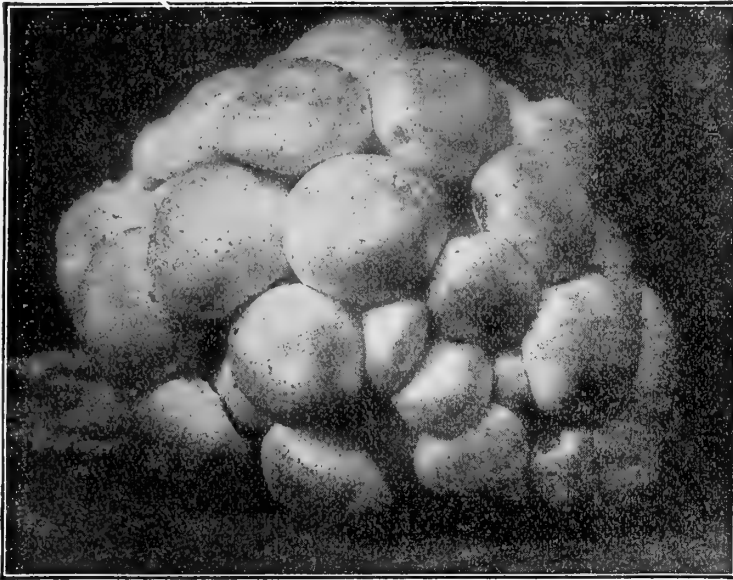
Long White Spanish. Like the Long Black Spanish, only different in color. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

China Rose, or Scarlet China. Bright rose-colored, stump-rooted, of excellent quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

RHUBARB. (Ger. Rhabarber.)

CULTURE. Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed. When roots are set out, plant them four or five feet apart each way, and keep the weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

Victoria. The leading variety. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; **Roots,** each, 15c.; doz., \$1.00.



This illustration shows a cluster of fifty Mushrooms on one root, grown from our "Pure Culture Spawn."

SPINACH. (Ger. Spinat.)

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

CULTURE. First sowings should be made as soon as the ground is open in Spring. Sow seed half inch deep in drills one foot apart and every two weeks thereafter for succession. Sowings made during September usually grow large enough to Winter over and with little protection afford Spinach very early the following Spring. A rich soil is essential to obtain best results.

Bloomsdale Savoy-Leaved. The popular Fall spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 20c.; 5 lb., 60c.; 10 lb., \$1.00.

Victoria. A favorite for early Summer. It is one of the darkest in color and with exception of the heart, the leaves are comparatively smooth. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., 75c.

Long Season. Leaves are decidedly dark green in color very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact better than all others, and remains a long time in condition for use before going to seed. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., \$1.00.

Old Time Long-Standing. Succeeds well at almost all seasons and though rather slow growing it is a very fine, large, dark green pointed leaved spinach. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., 75c.

New Zealand. Distinct from the ordinary spinach in appearance. The plants are more spreading in growth with small very dark green leaves, which may be had throughout the hot summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

SALSIFY, or OYSTER PLANT.

(Ger. Schwarzwurzel.)

One ounce to seventy feet of drill; about eight pounds to the acre.

CULTURE. Sow as early as the ground can be worked in the Spring, in drills 12 inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

Mammoth Sandwich Island. This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market-gardeners and truckers. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

SPAWN—MUSHROOM.

(Ger. Champignonbrut.)

Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away a complete guide on Mushroom culture, which otherwise sells for 35 cents

The ever-increasing demand for this delicacy for hotels and the home table has resulted in the establishment of many successful commercial growers.

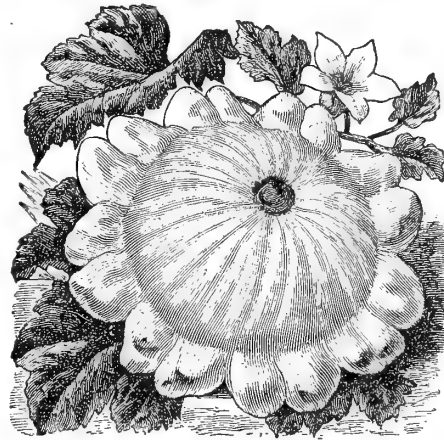
CULTURE. Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the whole pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water.

Prices for direct bricks (Lambert's Pure Culture Spawn.) 1 brick, 25c.; 5 bricks, \$1.10; 10 bricks, \$2; 25 bricks, \$4.

SQUASH. (Ger. Gemüse Kürbiss.)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.

CULTURE. Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three or four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.



Early Mammoth White Bush Squash.

Early Mammoth White Bush Squash. An excellent strain. Early, prolific and much larger than the old White Bush. Splendid for market and best for shippers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Summer Crookneck. About one foot long, with crooked neck, bright yellow, warty, shell-hard when ripe. Pkt., 5c.; oz., 10c. and 20c.; $\frac{1}{4}$ lb., 25c.; lb., 50c.

Hubbard. An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin and very rich flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Golden Hubbard. Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Boston Marrow. This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

SORREL, or SOURGRASS. (Ger. Sauerampfer)

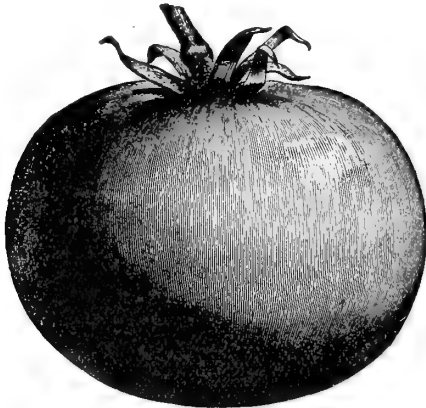
CULTURE. Sow in Spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

TOMATO. (Ger. Liebesapfel.)

One ounce for 1500 plants; quarter pound (to transplant) an acre.

CULTURE. This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set out four or five inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground, in hills three or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.



Extra Early I. X. L. Tomato.

Extra Early I. X. L. Combines extreme earliness, immense size and profuseness. Fruit red, ripening mostly all at one time. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.50.

Sparks Earliana. Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt., 5c.; and 10c. oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Chalk's Early Jewel. The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

King of the Earliest. One of the largest Extra Red tomatoes which well deserves its name. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Bonnie Best. A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

June Pink. For gardeners who have a market for an early, purplish-pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Beauty. Splendid for early market and shipping. Purplish tinge, excellent quality. A fine variety for home gardens. A good yielder. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

New Queen. Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



Kelly's Red.

Kelly's Red. This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel Co. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Maryland Pride. A fine tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Greater Baltimore. General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance, until frost kills the vine. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

New Stone. This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

B. B. (Brinton's Best). A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Ponderosa. Remarkably large and of fine quality. Very solid. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25.

Dwarf Champion. Stems short, thick, stiff, almost self-supporting. Fruit large, round, red-tinged purple, borne in showy clusters. A good variety. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Dwarf Aristocrat. Like Dwarf Champion, but red-fruited. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Golden Queen. Bright yellow, large and solid. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.

Yellow Pear and Yellow Plum. Two small-fruited kinds for preserves. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Red Pear. Pear-shaped, red. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Peach. Very small, pink fruit, with slight peach bloom on skin. Pkt., 5c. and 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Tomato Plants. Ready in April. Doz., 15c.; 100, 50c.
Special prices on large quantity.

Mr. R. J. WILLIAMS, Brooklyn, Anne Arundel County, Md., says: Gentlemen—Your I. X. L. Tomato Seed certainly turned out beautiful tomatoes for me, and extremely early.

Mr. JNO. VOGT, Fullerton, Md., writes: Gentlemen—Your Chalk's Early Jewel and B. B. Tomato made the handsomest crop of Tomatoes for me that I have ever seen.

Mr. HENRY LINK, Halethorpe, Md., tells us that he planted our Chalk's Early Jewel, New Stone and Kelly's Red Tomato Seed. He says all three turned out fine, but the Chalk's Early Jewel were the best—they were "pictures."

TURNIP. (Ger. Rübe.)

One ounce for 100 feet; two pounds to the acre.

CULTURE. For early use sow as soon as the ground opens in Spring, in drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow every two weeks until June; for Fall and Winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

Red, or Purple Top White Globe. A variety of decided merit, and the most popular in our markets. Globular-shaped, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

Extra Early Purple Top Strap-Leaved. The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

White Egg. A quick growing, egg-shaped variety. Very smooth, pure white, grows half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.



Red, or Purple Top White Globe Turnip.

Yellow, or Amber Globe. Excellent for table use or stock. Fine quality, keeps well. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

Pomeranean White Globe. Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

Purple Top Yellow Aberdeen. Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

Improved Purple Top Ruta Baga, or Swede. The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

Cow Horn. A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring, in connection with rape. Pkt., 5c. and 10c. $\frac{1}{4}$ lb., 15c.; lb., 40c.

Seven Top. Grown exclusively for its tops, and when properly prepared and cooked make a fine dish. Withstands our Winter without any protection. Pkt., 5c. and 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

TOBACCO SEED.

Connecticut and Pennsylvania Seed Leaf. Pkt., 5c., 10c.; oz., 25c.

Havana Seed Leaf. Pkt., 5c., 10c.; oz., 35c.

FIELD CORN. (Ger. Maiz.)

Collier's Success. The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. $\frac{1}{4}$ pk., 25c.; pk., 75c.; bu., \$2.50.

Yellow Leaming. We have a very choice strain of this early, drought-resisting variety. It makes a fair size ear, with deep, well-shaped grains, and will mature in 90 days. $\frac{1}{4}$ pk., 25c.; pk., 60c.; bu., \$1.75.

Golden Beauty. Large, broad-grained yellow corn. Ears are well filled out. A heavy yielder. $\frac{1}{4}$ pk., 20c.; pk., 60c.; bu., \$1.75.

Maryland Yellow Dent. Large ear; moderate size stalk; withstands drought well. $\frac{1}{4}$ pk., 20c.; pk., 60c.; bu., \$2.00.

Hickory King. A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three. $\frac{1}{4}$ pk., 20c.; pk., 60c.; bu., \$1.75.

Boone County White. Recommended by the Agricultural Experimental Stations. A fine, large, deep-grained variety, originated by one of the best corn breeders. $\frac{1}{4}$ pk., 20c.; pk., 75c.; bu., \$2.00.

Collier's Excelsior. White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. $\frac{1}{4}$ pk., 20c.; pk., 75c.; bu., \$2.00.

Red Cob Ensilage Corn. Pk., 75c.; bu., \$2.00.

Virginia Horse-Tooth Ensilage Corn. Pk., 75c.; bu., \$2.00.

GRASS SEEDS.

We desire to call special attention to the following list of Agricultural Grasses, which will, we think be found very comprehensive, both as to varieties and descriptions. We are devoting a great deal of time to this most important subject, and this department has already become an extensive one with us. Having learned by experience that the so-called imported grasses which are offered by those making a specialty of them in this country are very far from reliable, both as regards purity and quality, we have found it necessary to import all our seeds of this character direct. We have accordingly made arrangements for our stocks with one of the most prominent growers of Agricultural Grasses on the Continent, who by virtue of many years' experience in growing seeds of this peculiar character, has become the recognized headquarters for same. This will enable us to furnish our customers with the very best, and that which we know to be free from all adulteration.

Creeping Bent, or Florin. (*Agrostis stolonifera*.) The distinctive feature of this species is, as the name implies, its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots from a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. Lb., 30c.; 10 lbs., \$2.50.

Crested Dog's Tail. (*Cynosurus cristatus*.) A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. Lb., 30c.; 10 lbs., \$2.50.

Fancy Red Top; Herd's Grass. (*Agrostis vulgaris*.) A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. Lb., 20c.; 10 lbs., \$1.75.

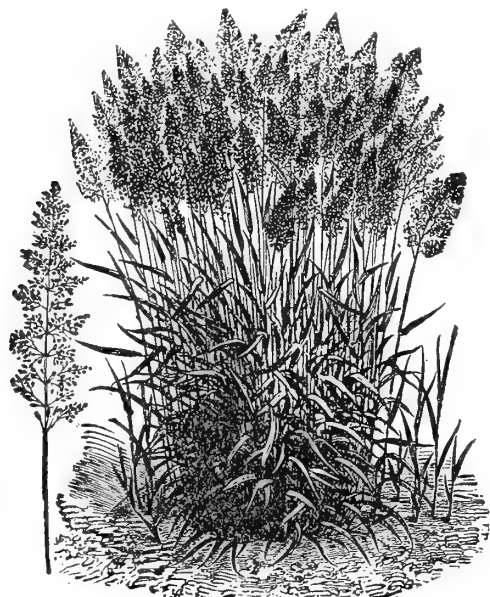
Meadow Fescue. (*Festuca pratensis*.) This makes a most excellent hay and pasturage grass, and is particularly valuable for Fall and Winter pasturage, as it remains green throughout the Winter. It is also splendid Spring and Summer grass, and usually makes more and thicker leafage than any other grass we have ever grown. It is very popular in Southwest Virginia, East Tennessee and the mountainous district of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasturage and hay grass. Lb., 25c.; 10 lbs., \$2.00.

Orchard Grass; Cocksfoot. (*Dactylis glomerata*.) One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very

GRASS SEEDS—Continued.

fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the spring. But it is quite unsuitable for lawns. Lb., 18c.; bu. of 14 lbs., \$2.00.

Kentucky Blue Grass. (*Poa pratensis*.) One of the most widely distributed and valuable native grasses, combining more points of excellence than any other. It is a true perennial, lasting indefinitely and improving every year. Densely creeping root-stalks, spreading habit, smooth, even growth, fine texture and rich-green color render it one of the very best grasses for lawns. It forms a close turf; starts very early in the Spring, and lasts till frost. It succeeds with almost any soil, dry, rocky, sandy or gravelly, and stands the long-continued dry weather and hot suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses.



Kentucky Blue Grass.

If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. Lb., 20c.; bu. of 14 lbs., \$2.25.

Pacey's Perennial Rye Grass. (*Lolium perenne*.) Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. Lb., 10c.; 10 lbs., 75c.

Timothy. (*Phleum pratense*.) A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. 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, 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 this mixture. Height, two to three feet. If sown alone, at least one-half bushel to the acre should be used. The seed weighs 45 pounds to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." Market price.

Wood Meadow Grass. (*Poa nemoralis*.) The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the Spring. The creeping roots are formed under ground, and make a good turf and pasture. Lb., 40c.; 10 lbs., \$3.50.

M. & S. Special Grass Mixture for Hay and Pasture. M. & S. Pasture Mixture is prepared to meet the average need. It is made

up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage it will be found entirely satisfactory. Bushel of 14 lbs., \$2.75.

CLOVER SEEDS.

Alfalfa, or Lucerne. (*Medicago sativa*.) Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. Lb., 18c.

Alsike, or Hybrid Clover. (*Trifolium hybridum*.) A perennial, one to three feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. Fifteen pounds to the acre. Lb., 22c.

Crimson, or German Clover. (*Trifolium incarnatum*.) Erect annual, one to two feet high, with bright-scarlet flowers. A native of Southern Europe, it is largely grown in the south for improving the soil by turning under. It will not stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb., 10c.

Red Clover, Medium. (*Trifolium pratense*.) One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the Spring at the rate of 15 pounds to the acre. Lb., 24c.

Mammoth Red, or Sapling Clover. Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb., 25c.

White Clover. (*Trifolium repens*.) Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone, eight or ten pounds to the acre. $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 25c.; lb., 40c.

Special prices quoted on larger quantities of Grass and Clover Seeds

FORAGE AND MISCELLANEOUS SEEDS.

German, or Golden Millet. (*Panicum Miliaceum* var.) An improved variety, medium early, growing three to five feet high. Heads are closely condensed, though the spikes are very numerous. During the past few years the fact has been established beyond doubt that seed of the German, or Golden Millet grown in Southern latitudes will produce a much larger yield of hay than from seed grown in Northern or Western sections of the country, and for that reason is far better for farmers to sow. Lb., 5c.

Hungarian Grass, or Millet. (*Panicum Germanicum*.) A species of millet growing less rank with smaller stalks, and often yielding two or three tons of hay per acre. It is very popular and valuable. Like the common millet, it is an annual, and requires to be sown every season, but will produce a larger return than almost any other crop. Lb. 5c.

Buckwheat—Japanese. Is very productive; large grains. Lb., 5c.; pk., 50c.



German, or Golden Millet.

CLOVER SEEDS—Continued.**Barley, Oats, Rye, Wheat.** Market prices.**Broom Corn.** (*Sorghum vulgare*.) Succeeds in a good, deep soil, fresh but not damp; very sensitive to cold. Long-brush Evergreen. Lb., 10c.**Soja Bean.** (*Glycine hispida*.) Thrives well in hot and dry weather. Valuable for the South. Does not make good hay, but is good as ensilage or green fodder. Market prices.**Cotton.** (*Gossypium*.)—**Upland Big Boll.** Very prolific. Lb., 20c.**Cow Peas.** (*Vigna Catjang*.) Specially adapted to warm countries; extensively grown in our Southern states; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. **Black, Black-Eyed, Clay, New Era, Whippoorwill.** Market prices.**Peas—Canadian Field.** Valuable for Northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two to three bushels to the acre. Present price, bu., \$2.50.**Rape—Dwarf Essex English.** (*Brassica napus*.) Largely grown in the Northern United States, and in Canada. It is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; sown broadcast, ten pounds to the acre. Lb., 10c.**Kaffir Corn.** Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Lb., 10c.**Sorghum, or Sugar Cane.** **Early Amber**—Ripens wherever Indian Corn matures. Grows 10 to 13 feet high. Lb., 10c. **Early Orange**—Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb., 10c.**Sunflower—Large Russian.** Lb., 10c.**Teosinte.** Short crop. A valuable fodder plant from Central America, in growth resembling Indian Corn. Well adapted to our Southern states. Oz., 15c.; lb., \$1.25.**Vetches—Spring Tares.** (*Vicia sativa*.) Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable. Present quotation, lb., 10c.**Sand, Winter, or Hairy Vetch.** (*Vicia villosa*.) Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 30 to 50 pounds to the acre. Price variable. Lb., 15c.

Nitrate Sacks, or Nudules, on Cow Pea Root.

ALFALFA IN MARYLAND.

The greatest forage crop known is now grown with great success in all sections. This wonderful crop can be grown wherever the soil has good drainage—seed bed well prepared and seed inoculated. The Agricultural Experiment Stations have demonstrated that the reason for failure to grow Alfalfa is because of the absence of the proper bacteria in the soil, and by the use of Farmogerm inoculation upon the seeds this condition has been overcome, and Alfalfa is a decided

success. Farmogerm will provide all inoculations for Alfalfa or any other legumes. It comes in bottles ready for use. You can inoculate the seed for ten acres in ten minutes.

Clovers, Soy Beans, Cow Peas, Beans are legumes, and are greatly benefited by the proper inoculation. This inoculation not only increases the crop in weight but also in richness, and deposits in the ground upon the legume roots great quantities of nitrates. These nitrates are available to other crops that may be growing at the same time with the legumes, or that may be grown afterward. One thousand pounds of nitrates per acre are added to the soil by using inoculations upon legumes, thus doing away with the most expensive part of your fertilizers. We strongly advise the use of Farmogerm upon any and all legume seeds. Farmogerm inoculations are in-dorsed by farmers and Federal and State Agricultural Experiment Stations throughout the country.

Garden Peas, Beans, Sweet Peas yield earlier and longer when inoculated. Order Farmogerm for all these seeds. Prices: Five-acre size bottle, \$9.00; one-acre size bottle, \$2.00; garden-size bottle, 50c.

ROLAND PARK LAWN GRASS.

Roland Park Lawn Grass. One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvety appearance throughout the entire Summer and Fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out. ¼ lb., 10c.; ½ lb., 15c.; lb., 25c.; 5 lbs., \$1.00; bu. of 20 lbs., \$3.85. (See page 1 of this catalogue.)

Shady Nook Grass. Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places; for sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees. ½ lb., 20c.; lb., 30c.; 5 lbs., \$1.25; bu. of 20 lbs., \$4.50.

Golf Links Mixture. For fair greens, tennis courts, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture. Lb., 20c.; 5 lbs., 90c.; bu. of 20 lbs., \$3.50.

Putting Green Mixture. The pleasures of golfing are greatly increased when the turf is in perfect order, a condition easily maintained by the use of a proper combination of grasses. A careful study of the requirements for making the most substantial turf for putting greens developed the mixture herewith offered by us for this purpose. Lb., 20c.; 5 lbs., 90c.; bu. of 20 lbs., \$3.50.

M. & S. SUPERB CANNA BULBS.**Pennsylvania.** Five feet; deep red, green foliage.**Louisiana.** Six feet; dark red, green foliage.**Duke of Marlborough.** Four-and-a-half feet; maroon, green foliage.**Black Prince.** Five-and-a-half feet; crimson, green foliage.**Mammoth Virginia.** Six feet; red, bronze foliage.**King Humbert.** Four feet; orange scarlet, bronze foliage.**Madame Crozy.** Three-and-a-half feet; red-yellow border, green foliage.**Florence Vaughan.** Five feet; yellow-spotted red, green foliage.**Austria.** Three-and-a-half feet; yellow, green foliage.**Mont Blanc.** Three feet; pure white, green foliage.**Mlle. Berat.** Four feet; deep rose pink, green foliage.

All the above novelties and standard sorts are 5c. each, 50c. per dozen.

Mixed Cannas. Grown by one of the greatest Canna novelty hybridists. 5c. each: 40c. per dozen.

CHOICE FLOWER SEEDS.

All Flower Seeds are 5c. a package, unless otherwise marked.

CULTURE. Directions are printed on the back of nearly all of our flower-seed packets. We will say that care should be exercised not to cover flower seeds too much. In nearly all cases it should be sprinkled on top of soil, and slightly pressed.

Annuals (a) are those flowers that bloom and ripen their seed the first year, then die. Among these will be found Asters, Balsams, Mignonette, Sweet Peas, Nasturtiums, Morning Glories and many other very brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you.

Perennials (p) are those flowers that endure our Winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started early in the Spring. Hollyhocks, Larkspurs, Foxglove, Poppies, etc., are in this popular class.

All Annuals marked (a). All Perennials marked (p).

1. **Ageratum.** (a). For beds or borders. Dwarf, mixed.
2. **Alyssum.** (a). (Carpet of Snow.) Dwarf, pure white.
3. **Amaranthus.** (a). **Caudatus.** (Love Lies Bleeding.)
4. **Amaranthus.** (a). Tricolor Splenders. (Joseph's Coat.)
5. **Antirrhinum.** (p). (Snapdragon.) Showy border plant.



Vick's Branching Aster.

6. **Asters, Vick's Branching.** (a). In five distinct colors, 10c. each.
 7. **Asters.** (a). German, mixed, double, choice colors.
 8. **Balsam.** (a). (Lady's Slipper.) Very fine collection.
 9. **Balloon Vine.** (a). (Love-in-a-Puff.) Annual climber.
 10. **Balsam Apple.** (a). A climber with very useful fruit.
 11. **Campanula.** (a). (Canterbury Bells.) Single, mixed.
 12. **Calendula.** (a). (Pot Marigold.) Free-flowering, mixed.
 13. **Canna.** (a). One of the finest bedding plants.
 14. **Calliopsis, or Coreopsis.** (a). (Golden Wave.) Showy, free-flowering, hardy annuals of easy cultivation. Choicest, mixed.
 15. **Candytuft.** (a). For beds and massing, mixed.
 16. **Carnation.** (p). Marguerite, very best variety for amateurs. Popular with all growers, mixed. 10c.
 17. **Celosia.** (a). (Coxcomb.) Free-blooming. Grand for borders and very good for pots, mixed.
 18. **Centaurea Cyanus.** (a). (Batchelor Button, or Corn Flower.)
 19. **Centaurea.** (a). (Dusty Miller.) For borders. Beautiful silver leaves.
 20. **Chrysanthemum.** (a).
 21. **Cineraria.** (p). For hothouse and window-garden. Prize mixture, 35c. and 60c.
 22. **Cosmos.** (a). An Autumn-flowering plant. A charming, profuse bloomer.
 23. **Convolvulus.** (a). Japanese Morning Glory. Climber.
 24. **Cypress Vine.** Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White and scarlet, mixed.
 25. **Dahlia.** (a). Bloom first year from seed if sown early. Double, mixed.
 26. **Dahlia.** (a). Single varieties from seed; are very popular, mixed.
 27. **Daisy.** (p). Easily raised from seed. Choice mixed. 10c.
 28. **Dianthus.** (p). (China Pink.) One of the most popular flowers in cultivation, blooms profusely. Great variety of colors. Extra choice.
 29. **Digitalis.** (p). (Foxglove.) Choice mixed.
 30. **Dolichos.** (a). (Hyacinth Bean or Texas Climber.) Showy climber, making rapid growth. White and purple.
 31. **Helichrysum.** (a). (Straw Flower.) Popular, everlasting.
 32. **Eschscholtzia.** (a). (California Poppy.) Choice mixture.
 33. **Gourds.** (a). (Luffa, Nest Egg) and a general mixture; rapid climbers, 5c. each.
 34. **Gaillardia.** (a). (Blanket Flower.) Very fine mixture.
 35. **Helianthus.** (a). (Sunflower.) Oscar Wilde, single, yellow.
 36. **Helianthus.** (a). (Sunflower.) Dwarf, double, three feet high.
 37. **Heliotrope.** (a). (Giant Hybrids, Lemoines.) Produces extra large flower spikes in abundance, double size of old sorts. 10c.
 38. **Hollyhock.** (p). Double or single, the finest in brilliancy of color and hardiness. 5c. each.
 39. **Lantana.** (a). Very fine.
 40. **Larkspur.** (a). Double dwarf Rocket, finest mixture.
 41. **Lobelia.** (a). Dwarf varieties for bedding. All colors.
 42. **Marigold.** (a). Dwarf French and tall; fine colors, mixed, double. 5c. each.
 43. **Marvel of Peru.** (a). (Four-o'clock.) Choice mixed.
 44. **Mignonette.** (a). Matchet or French, dwarf red variety.
 45. **Moonflower.** (a). Large, white, fragrant flowers. Climber.
 46. **Myosotis.** (a). (Forget-me-not.) Neat and beautiful.
 47. **Nasturtium.** (a). Tall and lobes, mixed colors. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.
 48. **Nasturtium.** (a). Dwarf or bedding varieties, fine mixed. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.
 49. **Pansy.** (a). Giant Exhibition, mixed. A magnificent strain, secured from specialists in Germany and France. 10c.
 50. **Pansy.** (a). The general garden favorite. Choice mixed.
 51. **Passion Flower.** (a). Southern Beauty. Climber, mixed.
 52. **Petunia.** (a). Fine mixture of all principal colors.
 53. **Perennial Phlox.** (p). Grows fine bushes three feet high; bears beautiful flowers in profusion. Pkt., 10c.
 54. **Phlox.** (a). (Drummondii.) Incomparable for beauty and usefulness.
 55. **Poppy.** (a). (Shirley.) Fine range of colors, mixed.
 56. **Portulaca.** (a). (Mexican Rose.) Choice single and double, mixed colors.
 57. **Ricinus.** (a). (Castor Oil Bean.) Mixed varieties. Pkt., 5c.; oz., 20c.
 58. **Salvia.** (a). (Scarlet Sage.) Great favorite.
 59. **Scabiosa.** (a). (Mourning Bride.) Very handsome.
 60. **Scarlet Runner Bean.** (a). Ornamental climber.
 61. **Stocks.** (a). Mixed, large flowering.
- Sweet Peas. (See page 19.)
62. **Sweet William.** (p). Choice mixed colors, single.
 63. **Thunbergia.** (a). (Black-eyed Susan.) Beautiful, very ornamental climber.
 64. **Verbena.** (a). Choice mammoth mixture, very fine.
 65. **Violet.** (a). Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor. Pkt., 10c.
 66. **Wallflower.** (p).
 67. **Wildflower Garden.** (a). Fine mixture of old favorites.
 68. **Zinnia.** (a). (Youth and Old Age.) Dwarf and tall.

NOTICE.

We also furnish well-started **Cannas, Geraniums, Nasturtiums, etc.**, at popular prices.

We issue a Fall bulb circular on **Hyacinths, Tulips, Crocus, etc.**, in September. Call or write for same.

M. & S. GILT EDGE SWEET PEA MIXTURE.

CULTURE. Sow early, in rich, mellow soil, and in a well-drained trench six inches deep. Sow peas in bottom of trench and cover not over two inches. When about five inches high, fill up trench and furnish support for the plants to run on. Flowers should be picked to insure continuation of bloom. From seed sown in July the vines will bear a profusion of blooms until heavy frost. To insure positive success inoculate the seed with Farmogerm.

This superb mixture is blended by us with extraordinary care from named varieties of the most approved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring a gorgeous color effect. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 40c.; lb., 75c.

CHOICE NAMED VARIETIES.

1. **Aurora.** Orange-rose striped on white.
2. **Black Knight.** Deep maroon.
3. **Blanche Burpee.** Pure white.
4. **Captain of the Blues.** Blue.
5. **Duke of Westminster.** Rose maroon.
6. **Extra Early Blanche Ferry.** Rose.
7. **Katherine Tracy.** Pink.
8. **King Edward VII.** Bright red.
9. **Lady Mary Currie.** Salmon and orange.
10. **Maid of Honor.** Lavender.
11. **Senator.** Maroon and violet.

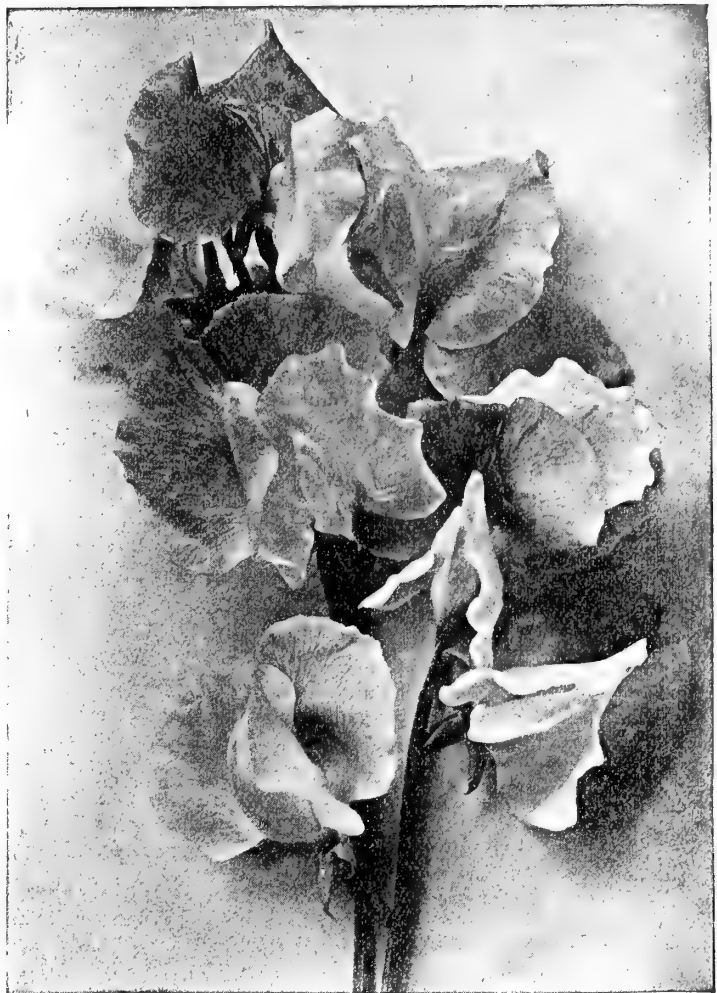
Any of the above varieties, price: Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

M. & S. SUPERFINE DAHLIAS.

CULTURE. One of the most important points in the cultivation of the Dahlia is to select a well-drained position where they will receive the full benefit of the sun during the greater part of day.

As to soil, they are not at all particular, excepting that in the case of a stiff clay some loose material should be added, such as coarse sand, old mortar, or anything which will make the soil loose and friable. The soil must be deeply dug, if possible to a depth of two spades, and a liberal amount of suitable plant food incorporated. For this nothing is more satisfactory than well-decayed stable manure; but where this cannot be conveniently procured pure bonemeal, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer.

The planting of dormant roots in the latitude of Baltimore may be done at any time between April 25th and June 15th, the earlier planting being preferable. Green or growing plants must not be set out until all danger of frost is over, say May 10th.



A bunch of M. & S. Gilt Edge Sweet Peas.

FANCY CACTUS DAHLIAS.

Aurora. A beautiful reddish-apricot suffused with flesh-pink, shading lighter to the tips.

Blanche Keith. Grand flower. Yellow, free bloomer.

Countess of Lonsdale. A peculiar but pleasing blending of salmon-pink and amber, a color difficult to describe. This is the dahlia for the million. Flowers freely under all conditions.

Else. A charming variety, with a combination of delicate colors. The base of the petals is of butter-cup-yellow, gradually passing to amber, finished with a tip of tyrian-rose.

Flora. An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting.

Floradora. Remarkably free-flowering, bright blood-red.

General Buller. Cardinal-red shaded crimson, white tips.

Gabriel. Creamy-white, edged with vermilion.

Kriemhilde. A most popular cut-flower variety; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre.

Progenitor. Bright carmine; each petal being furcated on the end like a staghorn fern.

Standard Bearer. Rich, fiery-scarlet; free and of perfect form.

Wunderkind. Luminous canary-yellow shading to white, suffused with flesh at the edges; one of the freest.

Winsome. Pure white; twisted petals.

Each of the above, 10c.; doz., \$1.00.



Assortment of Dahlias.

Mrs. GEO. R. WILLIS, of Bengies, Md., writes us: Gentlemen—I want to say to you that I have had better success with your Sweet Pea Mixture than any I have ever bought.

GRAND GIANT DAHLIAS.

Cuban Giant. An immense ball of bright maroon; free and early.
Grand Duke Alexis. Large, massive flowers, ivory-white, with a faint tinge of rose at the extremities of the petals.

Mrs. Roosevelt. Of immense size and remarkably free-flowering; color a delicate silvery-rose.

Souvenir de Gustave Douzon. A decorative variety of mammoth proportions, which under ordinary cultivation will produce flowers six inches across, and can be grown to measure full nine inches. It is of free growth, remarkably profuse-flowering and pure red in color.

Each of the above, 15c.; doz., \$1.50.

CHOICE DOUBLE SHOW DAHLIAS.

A. D. Livoni. A splendid clear pink, beautifully quilled, of perfect form, and very free-flowering.

Frank Smith. Intense purplish-maroon, shading almost to black; each petal tipped with white.

M. D. Hallock. Deep yellow; free bloomer, good stems.

Maid of Kent. Red, tipped white more or less.

Lucy Fawcett. Sulphur-yellow, striped and spotted carmine-rose.

Progress. Soft rosy-lake, spotted and penciled crimson.

Sensation. A gorgeous flower; brilliant vermilion-red, heavily tipped with white.

Striped Banner. Cardinal-red with broad white stripe through centre of each petal.

Each of the above, 10c.; doz., \$1.00.

CHOICE DECORATIVE DAHLIAS.

Baron Schroeder. Rich purple; highly recommended.

Clifford W. Bruton. A fine bright yellow.

Henry Patrick. A beautiful pure white.

Jack Rose. Brilliant crimson-red, similar in shade to the popular "Jack" Rose, which suggested its name; perfect for garden decoration or for cutting.

Jeanne Charmet. A splendid cut flower variety of a pleasing shade of violet-rose on a lighter ground.

Lyndhurst. Brilliant cardinal-red. A fine cut flower.

Mme. Van den Daele. A charming soft rose with deeper markings, shading to white in the centre.

Mrs. Hartong. Golden-bronze; very fine.

Sylvia. Soft, pleasing mauve-pink, gradually changing to white in the centre. A fine cut flower.

William Agnew. Rich, dazzling carmine-red.

Zulu. Deep maroon with black shadings.

Each of the above, 10c.; doz., \$1.00.

POMPON DAHLIA.

Little Helen. The finest pure white; when in bloom the entire plant is a mass of flowers. Each, 10c.; doz., \$1.00.

PAEONY FLOWERING DAHLIAS.

Queen Wilhelmina. Pure white; splendid form.

Queen Emma. Rose; beautiful, distinct flower.

Each of the above, 15c.; doz., \$1.50.

NEW CENTURY SINGLE DAHLIAS.

Twentieth Century. Early in the season an intense rosy-crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink.

Crimson Century. Rich, deep velvet-crimson, shaded maroon, with rose halo around a yellow disc.

Fringed Century. Intense rosy-crimson with lighter markings, fringed or cleft petals.

Pink Century. Delicate soft pink.

White Century. Pure white, with large, heavy, overlapping petals of good texture.

Each of the above, 15c.; doz., \$1.50.

JAPANESE-FERN BALLS.

A very attractive novelty. Seven to nine inch bulbs. Each, 30c.

Gladiolus. Our mixtures are of the very finest, embracing all the popular and distinct colors and varieties. Doz., 25c. and 35c. Add 10c. per dozen if to go by mail.

DOUBLE PEARL TUBEROSES.

CULTURE. One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 2 for 5c.; doz., 25c.; 100, \$1.00. By mail, 35c. doz.

Madeira Vine Roots. Each, 5c.; doz., 30c.; postpaid.

Begonias. Tuberos-rooted, single, mixed. Each, 8c.; doz., 75c.; postpaid.

Caladiums. (Elephant's Ears.) LARGE BULBS (nine and eleven inches); each, 10c.; by mail, 15c.; doz., \$1.00. EXTRA LARGE BULBS (11 inches and upwards); each, 15c.; by mail, 20c.; doz., \$1.50. Prices per dozen are by express not prepaid.

EARLY-FLOWERING CHRYSANTHEMUMS.

Crimson Marie Masse. A crimson sport.

Ralph Curtis. Creamy-white sport of M. Masse.

Horace Martin. Deep-yellow sport of M. Masse.

Mlle. Marie Masse. Beautiful lilac-mauve.

Robby Burns. A rosy-cerise.

White Quintus. Pure white.

M. Casimir Perrier. White, tinted pink.

Louis Lemaire. Beautiful golden-yellow.

All of these Early Flowering Varieties have given good results for outdoor culture. Each, 10c.; 3 for 25c.; doz., \$1.00.

TEA, or MONTHLY-BLOOMING ROSES.

Pink Maman Cochet. Deep rosy-pink.

White Maman Cochet. Snowy-white blooms.

Kaiserin Augusta Victoria. Pure white.

Papa Goutier. Rich, rosy-red.

Gruss an Teplitz. Rich, velvety-red.

Helen Gould. Rosy-red.

American Beauty. Deep crimson.

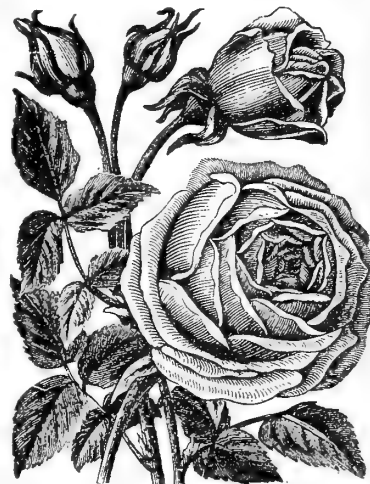
Etoile de Lyon. Pure yellow

Hermosa. Fine, old, pink rose.

La France. Fine pink.

Perle de Jardin. Yellow; good bloomer.

All of these varieties have given good results for outdoor culture. In different sizes. Each, 35c. and 50c.; doz., \$3.75 and \$5.50.



Helen Gould.

HYBRID PERPETUAL ROSES.

General Jacqueminot. (Jack Rose.) Bright red.

Anna de Deisbach. Brilliant crimson-maroon.

Baroness Rothschild. Beautiful light pink.

Margerie Dickson. White, rosy-flesh centre.

Ulrich Bruner. Cherry-red; good bloomer.

Paul Neyron. Clear shining-pink, very fine.

Two-year-old plants, each, 50c.; one-year, 35c.

CLIMBING ROSES.

Crimson Rambler,
Yellow Rambler,
White Rambler,
Pink Rambler,
Empress of China. Flowers dark-red, changing to lighter red. Two-year-old plants, each, 50c.; one-year, 35c.

Produces immense clusters of flowers.

TREES, ETC.

Ornamental Trees,
Shade Trees,
Fruit Trees,
Shrubby,
Evergreens.

Climbing Plants,
Ornamental Grasses,
Grape Vines,
Currents,
Berries.

All fine home-grown stock.

Prices and varieties furnished on application.



FERTILIZERS, ETC.

Ober's Pure Raw Bone Meal. (Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%, ammonia 4½%). Does not burn. For flowers, trees and top dressing. 6 lb., 25c.; 25 lb., \$1.00; 100 lb., \$2.25; 200 lb., \$4.00; ton, \$34.00.

Ober's Pure Bone Meal. (Guaranteed analysis—Phosphoric acid 22%, equivalent to bone phosphate of lime 50%, ammonia 3%). Splendid article for building up worn out soil, lawns, etc. 6 lb., 25c.; 25 lb., 75c.; 100 lb., \$2.00; 200 lb., \$3.75; ton, \$32.50.

Ober's Dissolved Animal Bone and Potash. (Guaranteed analysis—Ammonia 2½ to 3%, available phosphate acid 10 to 12%, potash 3 to 4%.) Highly recommended for lawns and other grasses. 165 lb. bag, \$3.25; ton, \$30.00.

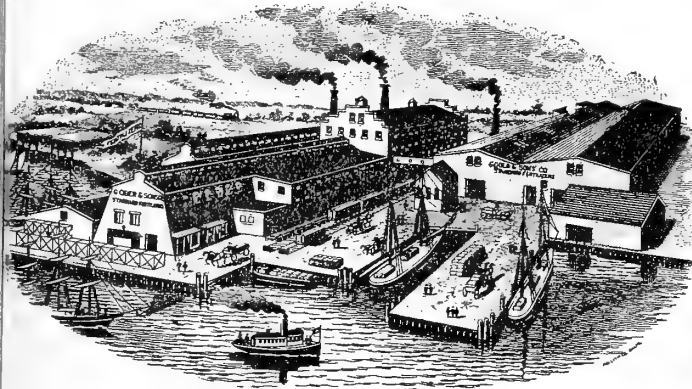
Ober's Complete Vegetable Fertilizer. (Guaranteed analysis—Ammonia 5 to 6%, available phosphate acid 7 to 9%, potash 5 to 6%.

Lands suitable for trucking are the highest priced lands in America, and profits must necessarily be large. Successful market gardeners realize that the liberal use of commercial fertilizers mean: First—strong and healthy plants; for plants, like persons, are, when poorly nourished, very subject to disease. Second—early and large crops, which result in more profit per acre. Third—sweet and tender fruit, the result of rapid growth and quick maturity. For foliage crops, such as cabbage, lettuce, spinach, etc., ammonia is needed; for woody plants and for fibre, phosphoric acid; for fruit, sugar and starch productions, potash. Our Complete Vegetable Fertilizer meets all these conditions and is excellent for general use in market gardening. Ton, \$35.00; 165 lb. sack, \$3.50.

Ober's Special Plant Food. 2-9-5. To be highly recommended for potatoes. 165 lb. bag, \$2.50; ton, \$26.00.

Ober's Farmers' Standard Amoniated Phosphate. 2-9-2. A good all-around fertilizer. 165 lb. bag, \$2.25; ton, \$24.00.

Ober's Farmers' Mixture. 1-9-2. A general crop producer. 165 lb. bag, \$2.00; ton, \$20.00.



G. Ober & Sons Co. Mammoth Plant, where the Fertilizers we sell are made.

Acid Phosphate, or South Carolina Rock. 16 per cent. Bag, \$2.00; ton, \$15.00.

Nitrate of Soda. Lb., 10c.; 25 lb., \$1.50; 50 lb., \$2.50; 200 lb., \$7.00; ton, \$68.00.

Ground Plaster. 200 lb., bag, \$1.00; ton, \$8.50.

Sheep Manure. 5 lb., 25c.; 10 lb., 40c.; 25 lb., 75c.; 100 lb., \$2.00.

Prepared Lime. To sweeten sour soil. 200 lb. bag, \$1.00; ton, \$6.00.

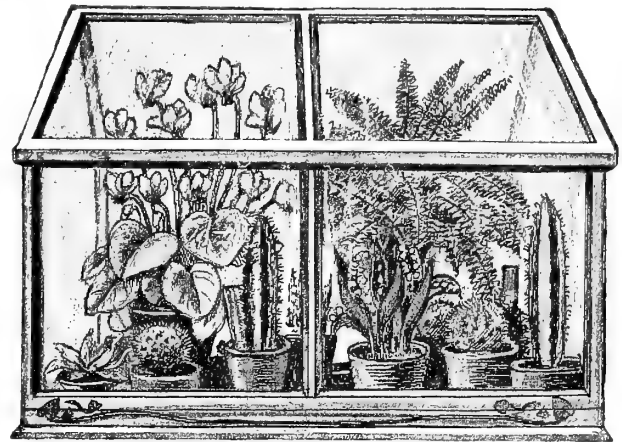
Muriate of Potash. 100 lb., \$3.00; ton, \$47.50. Kanit—100 lb., \$1.00; ton, \$13.50.

"Planto." Plant food. Pkg., 10c.; 3 for 25c.

"U-Tree-T-Me." Plant food. Pkg., 5c.; doz., 50c.; 5 lb. pkg., 50c.

Evergreen Brand Fertilizer. Feed your flowers and plants on the most reliable and profitable greenhouse manure. ½ lb. boxes (by mail extra), 25c.; 12 lb. cans, \$2.00; 50 lb. drums, \$8.00.

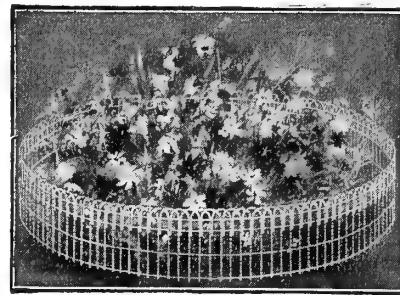
"Fluerette." A liquid plant food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nourishes the bloom. Carefully prepared so as not to injure the tenderest shoot peeping through the soil or the most delicate fronds of the fern. Destroys all germs that breed insects in the soil and feeds the plant at the same time. To be diluted with water and it is ready for use. ½ pt., 15c.; pt., 25c.; qt., 40c.; ½ gal., 75c.; gal., \$1.25.



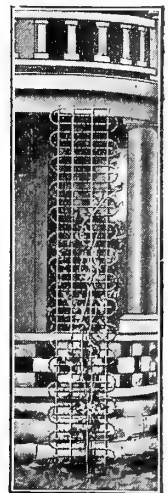
Little-Room Hothouse. We are listing this novel little-room hot-house to familiarize our customers with it. In this house, an attraction to any room, the plants are protected from draft or sudden changes of temperature, which are brought on when cleaning and airing the room. This sudden change does the most damage in the winter to house plants. In these houses plants can be forced to perfection, which is accomplished by the moist air supplied by a moist sponge or pan of water in the house, which keeps the plants moist, and in a healthy growing condition. Made in three sizes:

No.	Height.	Width.	Length.	Price.
No. 1,	10 in.	8 in.	16 in.	\$3.00
No. 2,	12 in.	11 in.	22 in.	3.75
No. 3,	15 in.	13 in.	28 in.	4.25

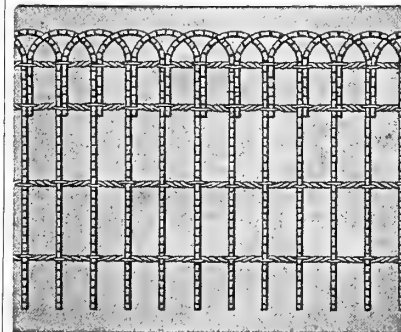
Norwood Trellis Wire. Fills a long felt want for an ornamental wire on porches, for climbing roses, clematis, honeysuckle and other climbing plants. Made of heavy galvanized wire; is very durable, and can be used from year to year. 24 in. wide, 8c. ft.; 18 in. wide, 6c. ft.



Norwood Flower Bed Guard.



Trellis Wire.



Norwood Flower Bed and Lawn Guard. For flower beds, lawns and grave lots. Self-supporting, no posts required. (See illustration.) The projecting pickets are to be inserted in the ground and the ends of fabric connected. Uprights No. 9 and cables No. 13 galvanized wire. 24 in. high, 11c.; 18 in. high, 9c.; 12 in. high, 8c. These sizes are clear above ground when put up; 4½ inches in ground not included.

Single 3 ft. Walk Gates 24 to 48 in. high..... Price \$2.50
 " 4 ft. " " 24 to 48 in. " " " 3.00
 Style No. 100, Ornamental Lawn Fence, 3 ft. high..... " 10c. ft.
 " No. 100 " " " 4 ft. " " " 12c. ft.
 Special Circular on Gates and Lawn Fences mailed upon application.



"THANATUS."

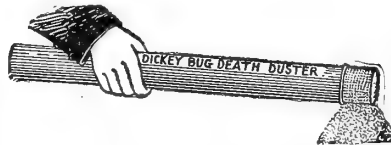
An insecticide to destroy mealy bugs, snail, green fly, red and black spider, black flea, scale and all insects that infests plant life. It is perfectly harmless to the bloom, bud or plant, and contains no poison or acid; in fact, a flower could be soaked in this solution for several minutes without doing any damage whatsoever. No solution now on the market is as harmless and so effective. "Thanatus" is very adaptable for all indoor plants, and always ready for use by diluting with water. Directions on label. 1/2 pt., 25c.; pt., 40c.; qt., 75c.; 1/2 gal. \$1.00; gal., \$1.75; 5 gal., \$5.00.

Sprayers for applying "Thanatus", 40c., 75c., \$1.

Hammond's Slug Shot. A non-poisonous powder; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals or the person applying it on fruits and vegetables treated; destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Ten to forty pounds is enough for an acre. 5-lb. pkg., 25c.; 10-lb. pkg., 50c.



"Bug Death." Kills potato, squash and cucumber bugs, current and tomato worms, and all bugs and worms that chew the leaves of plants; non-poisonous. Lb., 15c.; 3 lbs., 35c.; 5 lbs., 50c.; 12 1/2 lbs., \$1.00; 100 lbs., \$7.50.



Dickey Duster. Used for applying "Bug Death," 25c.

"Acre-an-Hour" Duster. 75c.

Pat. March 16 and Nov. 9, 1897.

Bordeaux Mixture. For fungus diseases, particularly on finer fruits. Complete and specially prepared. Ready for use by simply adding water. One pound will make five gallons of spray mixture. DRY FORM: lb., 35c.; 5 lbs., \$1.50. PASTE FORM (Key Brand): lb., 15c.; 5 lbs., 75c. Special price on quantity.

Key Brand Bordeaux-Arsenate-Lead Mixture. (Paste.) This is a combined fungicide and insecticide specially recommended for apple and pear trees; also for potatoes, melons and cucumber vines. Directions on label. Lb., 20c.; 5 lbs., 90c.

Key Brand Arsenate of Lead. (Paste.) Kills codling moth, worm, curculio, caterpillars, potato bugs, rose bugs and all chewing insects without injury to foliage or buds. Directions on label. Lb., 25c.; 5 lb., 90c.

"Sulfocide." A new substitute for Bordeaux Mixture. 1 gal. jacket cans, \$2.00; 1 qt. cans, 75c.; 1 pt. cans, 50c.

Paris Green. In cartons. Strictly pure. 1/4 lb., 10c.; 1/2 lb., 15c.; lb., 30c.

"Scalecide." Have you conquered San Jose Scale? We guarantee it can be done with "Scalecide" for less money, with less effort, and more effectively than with "Lime-Sulfur" or anything else. "Scalecide" may be mixed anywhere, in any kind of a tank or barrel that is clean. "Scalecide" does not corrode the pumps or clog the nozzle, consequently the pumps work very much easier, with less labor, wear and tear. "Scalecide" will not injure the most delicate skin, and may even be placed in the eyes without the slightest inconvenience or injury. Send for special circular.

50-gal. bbls., 50c. gal. . . . \$25.00 5-gal. jacketed cans. . . . \$3.25
30-gal. jacketed tins. . . . 15.00 1-gal. cans. 1.00
10-gal. jacketed cans. . . . 6.00 1-qt. cans. 40

Lime-Sulphur Solution. For use in the dormant period. Qt., 25c.; cans, 1-gal, 75c.; 5-gal., \$2.00; 10-gal., \$3.00; 1/2 bbl., \$5.00; bbl., \$9.00.

White Helebre. For rose slugs, current worms, etc. 1/2 lb., 15c.; lb., 25c.

Flowers of Sulphur. Effective for mildew. Lb., 10c.; 5 lbs., 40c.

Whale Oil Soap. An excellent wash for trees and plants. Effective against scales and insects. One pound to four gallons of water. Lb., 15c.; 5 lbs., 60c.



Lemon Oil "Standard" Insecticide. As a dip or a spray effective and harmless to delicate plants. Destroys thrip, scale, red spider fly, caterpillar, American blight, etc. Dilute with 50 parts of water. Odorless, poison-

less, the best flea killer, wash and mange remedy for dogs and cats. 1/2 pt., 25c.; pt., 40c.; qt., 75c.; 1/2 gal., \$1.25; gal., \$2.00.

Sulpho-Tobacco Soap. A sure and safe exterminator of all kinds of insects and vermin. A powerful fertilizer. 1/2 Pkg., 10c. and 20c.

Tobacco Dust. Lb., 5c. Special price on quantity.

"Nikoteen." A powerful insecticide used by florists. Pt., \$1.50.

Blue Stone or Copper Sulphate. Lb., 10c.

"Nico-fume." A tobacco paper insecticide for fumigating greenhouses. Extensively used by prominent florists. Very easy to apply. 24 sheets, 75c.; 144 sheets, \$3.50; 288 sheets, \$6.50.

Stott's Fir Tree Oil Soap. A non-poisonous insecticide for use on trees and plants of all kinds. Used on animals, it will cure mange and all skin diseases, and it is most effective for destroying fleas and other insects. One ounce makes one gallon. 1/2-lb. cans, 25c.; 2-lb. cans, 75c.

Key Brand Weed Killer. A scientific preparation for destroying grass and weeds in paths, roadways, streets and gutters. To be diluted with water. Qt., 35c.; 1/2 gal., 60c.; gal., \$1.00; 5 gal., \$4.00; 10 gal., \$7.50; barrel lots, 65c. per gal.

Plant Tubs. Cedar wood, painted green, and strongly build.

No.	Diameter.	Depth.	Price.
No. 1.....	11 1/2 in.	11 1/2 in.	\$1.00
No. 2.....	13 1/2 in.	11 1/4 in.	1.25
No. 3.....	14 3/4 in.	14 in.	1.75
No. 4.....	16 in.	15 in.	2.25
No. 5.....	19 in.	18 in.	3.00
No. 6.....	22 in.	19 1/2 in.	4.00



Earthenware Flower Pots.

	Each.	Dozen.	Per 100.	Per 1000	
2 in.	1c.	10c.	\$.75	\$5.00	
3 in.	2c.	15c.	1.00	7.50	
4 in.	3c.	25c.	1.50	12.00	
5 in.	4c.	40c.	3.00	22.00	
6 in.	6c.	60c.	4.00	30.00	
7 in.	10c.	80c.	6.00		
	Each.	Doz.	Each.	Doz.	
8 in.	12c.	\$1.25	12 in.	40c.	\$3.50
9 in.	20c.	1.75	14 in.	80c.	8.00
10 in.	25c.	2.25	16 in.	\$1.50	13.50
11 in.	30c.	3.00			

	Each.	Doz.,	Each.	Doz.,
5 in.	Each, 7c.	Doz., \$.50	8 in.	Each, 15c. Doz., \$1.25
6 in.	" 10c.	" .75	9 in.	" 18c. " 1.75
7 in.	" 12c.	" 1.00	10 in.	" 20c. " 2.25

Earthenware Bulb Pans.

	Each.	Doz.,	Each.	Doz.,
5 in.	Each, 7c.	Doz., \$.50	8 in.	Each, 15c. Doz., \$1.25
6 in.	" 10c.	" .75	9 in.	" 18c. " 1.75
7 in.	" 12c.	" 1.00	10 in.	" 20c. " 2.25

We just received this order from Miss Martha Schürmann of Roland Park, Md.: Please deliver to bearer one-half dozen bottles "Thanatus" and one-quarter dozen "Fleurette". These two articles surpass by far anything of their nature that I have ever used.

Earthenware Saucers.

4 in.	Each, 2c.	Doz., 20c.	10 in.	Each, 9c.	Doz., \$.90
5 in.	" 3c.	" 25c.	11 in.	" 11c.	" 1.00
6 in.	" 4c.	" 35c.	12 in.	" 15c.	" 1.25
7 in.	" 5c.	" 50c.	14 in.	" 25c.	" 2.00
8 in.	" 6c.	" 60c.	16 in.	" 40c.	" 4.50
9 in.	" 8c.	" 75c.			

Pot Labels.

4 in., per 1000	Plain, \$.70	Painted, \$.85
4½ in., "	" .85	" 1.00
5 in., "	" 1.00	" 1.25
6 in., "	" 1.25	" 1.50
12 in., per 100 . . . . .	.75c.	

Painted Tree Labels.

3½ in., notched or pierced	Per 1000, \$.80
3½ in., iron wired	" 1.00
3½ in., copper wired	" 1.25

Bamboo Plant Stakes.

2 ft., painted green, Per Doz., 10c.	Per 100, \$.55,	Per 1000, \$4.00
3 ft., " " " 10c.	" .60,	" 5.00
4 ft., " " " 15c.	" .75,	" 6.00
5 ft., " " " 20c.	" 1.00,	" 7.00
6 ft., not painted, " 20c.	" 1.00,	" 6.00

Heavy, or Dahlia Stakes.

3 ft.	Each, 7c.	Per Doz., \$.75	Per 100, \$4.85
4 ft.	" 10c.	" 1.10	" 6.50
5 ft.	" 11c.	" 1.25	" 8.15

Light Plant Stakes.

1½ ft.	Each, 2c.	Per Doz., 17c.	Per 100, \$1.00
2 ft.	" 3c.	" 28c.	" 1.70
2½ ft.	" 5c.	" 39c.	" 2.40
3 ft.	" 5c.	" 51c.	" 3.20

Lawn Padders. Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9¾ in. by 20 in., arraigned each with a rope attached to the feet. Price, complete, \$1.00 per pair.

Hand Seed Sower. Valuable for sowing vegetable, flower and lawn seed. Will distribute seed evenly. Adjustable. Price, 25c.

Cahoon Seeder. For sowing clover, grass and other seeds. Price, \$3.00.

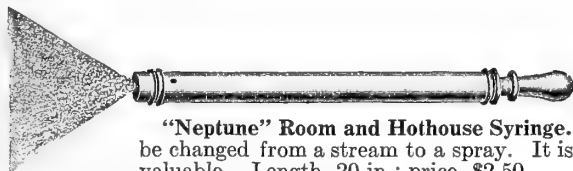
Wheelbarrow Seeder. 14 ft., \$6.50; 16 ft., \$6.75; double hopper, 14 ft., \$8.50.



Mouth Sprayer. Something new for lovers of flowers. Used mostly for indoors. It is simple, cheap and practical. Price, 25c. each.



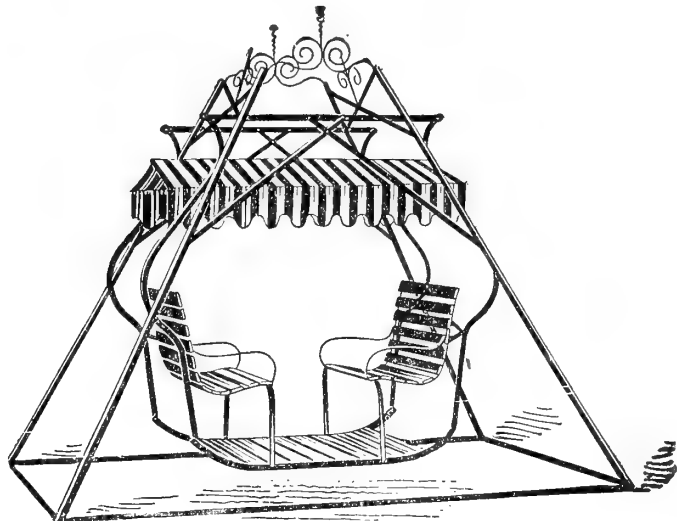
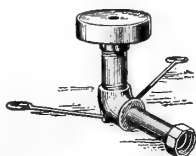
Spray Devil. A syringe which throws a mist-like dew, on the increased pressure of plunger; quite unique. Price, 12 in., 75c.



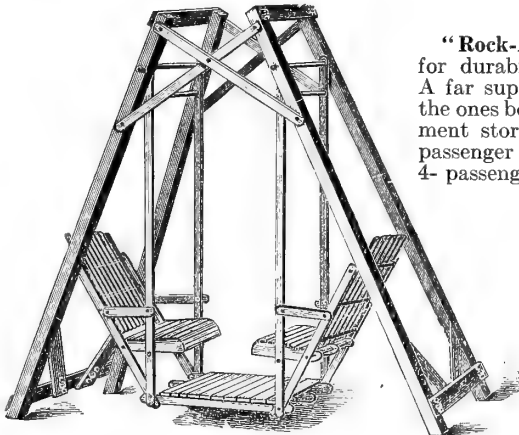
"Neptune" Room and Hothouse Syringe. Can be changed from a stream to a spray. It is very valuable. Length, 20 in.; price, \$2.50.

Ring Fountain Sprinkler. For lawns. Price, 75c.

Lawn Shower Sprayer. No. 3. An even, gentle spray is thrown over 25 feet in diameter at a water pressure of 40 pounds. The nozzle may be connected to hose for washing sidewalks. Used in concrete mixing and general fire protection. It makes an attractive fountain display. Holder and Nozzle, complete (¾ in. connection), \$2.00.



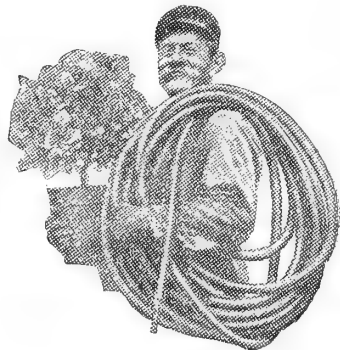
"Eagle" Lawn Swing. This is an all-steel high swing, very strong and at the same time very neat. It has two large roomy seats and will hold four passengers very comfortably. No jagged corners, no tilting motion; awning over seats. The best steel swing on the market. Price, \$12.50.



"Rock-A-Bye." Made for durability and wear. A far superior article to the ones bought in department stores. Price of 2-passenger swing, \$5.00; 4-passenger, \$6.50.

"REVERO" GARDEN HOSE.

It is a moulded, indestructible hose for the lawn, greenhouse, stable and garage. Being of continuous length, you can get any length wanted up to 500 feet in one piece—thereby avoiding leaky couplings whenever long lengths are necessary. "Revero" Garden Hose will not kink or burst at a sharp angle as does the old style or commonly termed "wrapped duck construction." "Revero" possesses greater strength and will withstand more pressure than a hose almost double in weight. Foot, 20c., 100 feet, \$18.00. Special price on quantity.

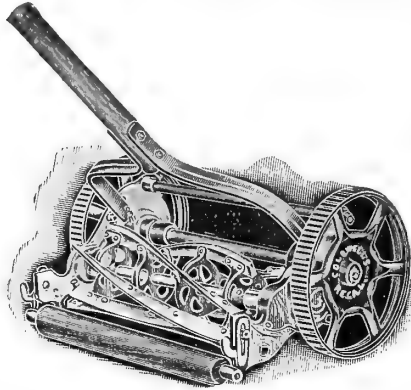


Smiling Gardener with "Revero" Garden Hose.

- "Super" 5-ply Red Hose, foot, 16c.
 - "Standard" 5-ply Black Hose, foot, 13c.
 - "Gem" 4-ply Black Hose, foot, 10c.
- 25 or 50 foot lengths, including couplings.

Iron Hose Reel, \$2.00. Wood Hose Reel, \$1.00. Combination Nozzle, 40c.

Galvanized Watering Cans. Made of heavy galvanized iron, removable rose. 4 qt., 45c.; 6 qt., 50c.; 8 qt., 60c.; 10 qt., 75c.; 12 qt., 85c.; 16 qt., \$1.00. **Long Spout Watering Cans** made to order.



Coldwell's "Regal" Lawn Mower.
Ball-Bearing.

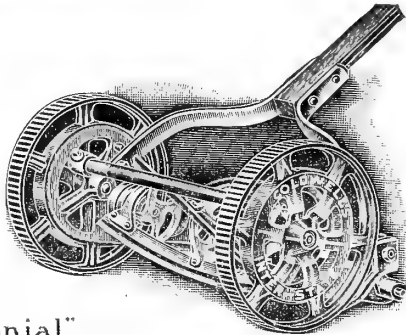
The Queen of lawn mowers. Light running, noiseless, durable, does not pull the grass, leaves the lawn smooth and free from corrugation. This is the highest grade of ball-bearing machine on the market. It has five revolving cutter blades and the bottom knife is reversible. It has two cutting edges. The very best material is used in the construction of this machine. In fact, it is the Queen of all ball-bearing machines.

Prices—14-in. cut, \$10.00; 16-in., \$11.00; 18-in., \$12.00; 20-in., \$13.00.

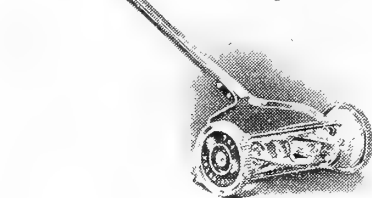
Coldwell's "Interstate" Lawn Mower.
Ball-Bearing.

First-class, high-wheel, ball-bearing lawn mower at a popular price. The four revolving knives give a continuous cut. Made of best materials, easy running, and fully warranted.

Prices.—14-in. cut, \$6.00; 16-in., \$7.00; 18-in., \$7.50; 20-in., \$8.00.



The "Colonial" Lawn Mower
Ball Bearing

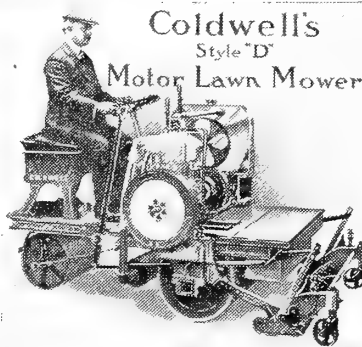


Coldwell's "Colonial" Lawn Mower.
Ball-Bearing.

A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of finest material.

Prices—12-in. cut, \$4.25; 14-in., \$4.75; 16-in., \$5.00.

Coldwell's "Style D" Motor Lawn Mower

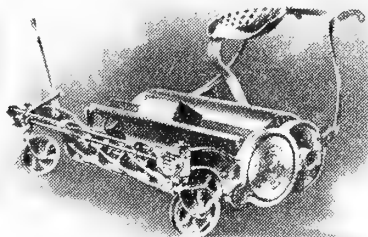


Coldwell's "Style D" Motor Lawn Mower.

This mower is highly recommended and is used by leading country and golf clubs and in the city parks and cemeteries. Catalogue and prices will be furnished on application.

Special price, \$1,300.00.

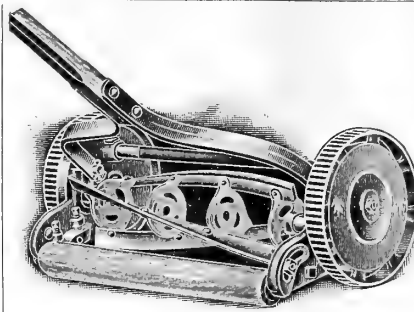
Coldwell's "Improved" Horse Lawn Mower



Coldwell's "Improved" Horse Lawn Mower.

This well-known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement. This same lever serves the purpose of raising the knives from the ground when driving over the gravel walks or roads.

Prices—25-in. cut (no shafts) \$35.00; 30-in. cut (complete) with seat and shaft, \$60.00.



The "Cadet" Lawn Mower.

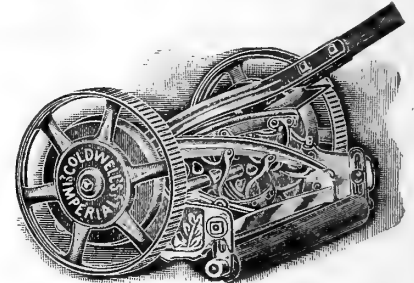
For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as "department store" prices, this mower will be found much better in quality of knives and quality of work performed.

Prices—10-in. cut, \$2.00; 12-in., \$2.25; 14-in., \$2.75; 16-in., \$3.25.

Coldwell's "Imperial" Lawn Mower.

For durability and for hard, rough work this is the mower to buy. Thousands are in use in city parks and cemeteries throughout the country. The best non-ball-bearing mower ever made.

Prices—14-in. cut, \$9.00; 16-in., \$10.00; 18-in., \$11.00; 20-in., \$12.00.



Coldwell's "Demountable Cutter Unit" Putting Green Mower.

In this mower every requirement pertaining to the cutting of putting and bowling greens has been considered and provided for. It has many unique and patented features which will appeal to the professional golfer, the green committee, and all those interested in fine and closely-cut lawns. Each machine is provided with two complete cutting parts, one to be in use while the other is being sharpened. Removed or attached in a moment.

Price—18-in. cut, \$30.00.

Coldwell's "Demountable Cutter Unit" Horse Lawn Mower.

This is on the same principle as the above. Price, complete—30-in. cut, \$100.00

The "Baby Grand" Mower. A perfect little lawn mower of fine quality Price—6-in. cut, \$4.00.

The "Clipper" Mower. There are three things that tends to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out.

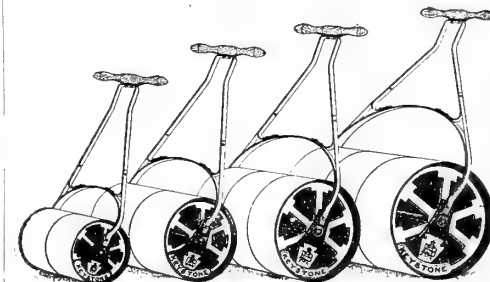
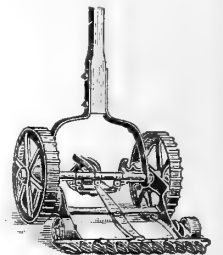
No. 4, 12-in. cut... \$6.75. No. 3, 18-in. cut... \$8.50.
No. 2, 15-in. cut... 7.50. No. 4, 21-in. cut... 9.50.
Pony Mower, 24-in. cut, \$20.00.

Grass Catcher. No. 1, 85c.; No. 2, \$1.00.

Wire Grass Catcher. Fit any hand mower. \$1.

Lawn Boots. Price per set of four, \$8.00.

Coldwell's Lawn Edger and Trimmer. 8-in. cut, \$5.00.



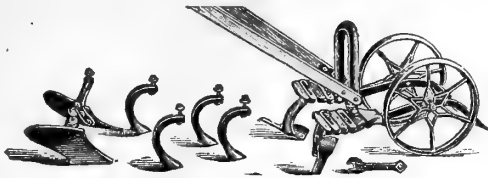
"KEYSTONE" Roller-Bearing Lawn Rollers.

To raise a velvety, thick lawn and keep it so the lawn roller is a great aid. In the Spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding from the grass roots. If allowed to settle of its own accord the lawn is left rough and the grass liable to die off in high spots. If pressed back firmly and evenly with a lawn roller the chances for a new, velvety lawn are more favorable.

No. 501... diam. 15 in... 2 sec... weight, 150 lbs... length, 15 in... Price, \$7.00
No. 504... " 20 in... 2 " " " 250 lbs... " 20 in... " 10.00
No. 508... " 20 in... 2 " " " 300 lbs... " 24 in... " 14.50
No. 509... " 24 in... 2 " " " 400 lbs... " 20 in... " 19.00

Horse Lawn and Field Rollers. Prices furnished upon application.

"PLANET JR." GARDEN TOOLS.

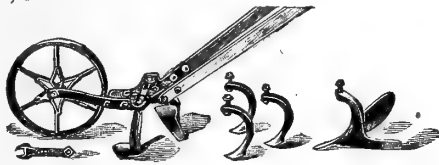


No. 12. "Planet Jr." Same as above. Equipped with one pair 6-in hoes, two heel cultivator teeth, one plow, one leaf lifter. \$7.00.

No. 11. "Planet Jr." Double Wheel Hoe. Steel frame. Packed weight, 39 pounds. one pair 6-in. hoes, oil tempered, one pair 4½-in. hoes, oil tempered, two pairs hollow steel cultivator teeth, one pair plows; two 3-tooth rakes, two 5-tooth rakes, two leaf lifters. Price, with attachments, \$9.00.

No. 13. "Planet Jr." Same as No. 12. Equipped with one pair 6-in. hoes. Price, \$4.75.

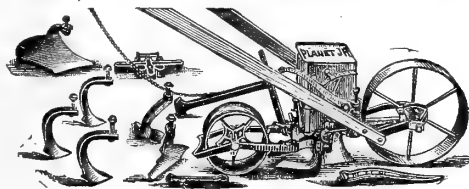
No. 16. "Planet Jr." Single Wheel Hoe, Cultivator, Rake and Plow. Packed weight, 25 pounds. Two 6-in. hoes, three cultivator teeth, one 7-in. rake, one 4-in. rake, one large garden plow, one leaf guard. Price, \$5.85.



No. 17. "Planet Jr." Same as above. Equipped with one pair 6-in. hoes, three heel cultivator teeth, one large garden plow. \$5.00.

No. 17½. "Planet Jr." Same as No. 16. Equipped with one pair 6-in. hoes, three steel cultivator teeth, one leaf lifter. Price, \$4.50.

No. 18. "Planet Jr." Same as No. 16. Equipped with one pair 6-in. hoes. Price, \$3.50.



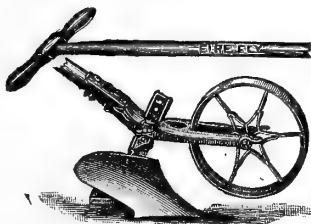
No. 4. "Planet Jr." Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. Steel driving wheel. Weight complete, 53 pounds. Holds 2½ quarts. Equipment one pair of 4½-in. hoes; three cultivator teeth, one garden plow, one leaf guard. Price, as a seeder only, \$9.00; complete, \$11.00.

No. 25. "Planet Jr." Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Holds 2½ quarts. Weight, complete, 59 pounds. It combines in a most practical way the "Planet Jr." No. 4 Drill and No. 12 Double-Wheel Hoe.

Equipment: One pair of 6-in. hoes, two pairs of cultivator teeth, two plows, two leaf guards. Price, \$13.50.

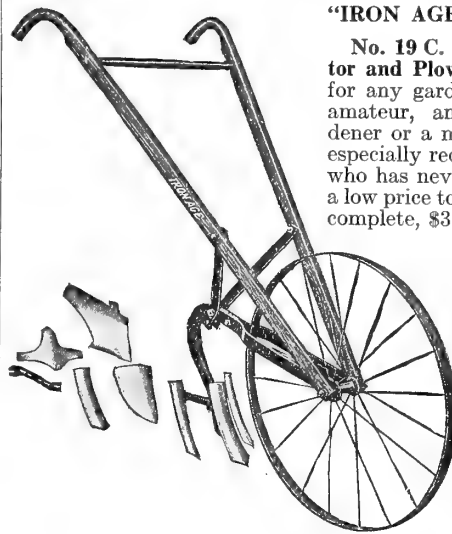


"Fire Fly" Garden Plow. Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards. Price, \$2.35.

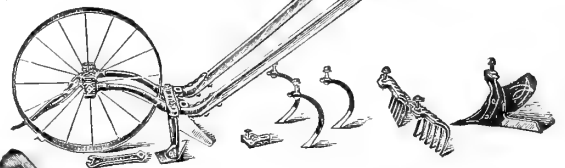


"IRON AGE" GARDEN TOOLS.

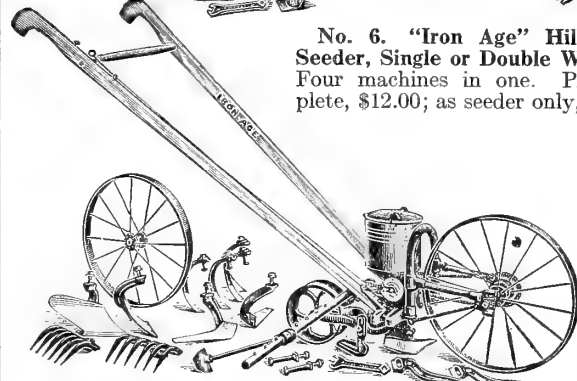
No. 19 C. Single Wheel Cultivator and Plow. A good investment for any gardener whether he is an amateur, an old-time home gardener or a market gardener; but is especially recommended to the man who has never tried any and wants a low price tool to begin with. Price, complete, \$3.50.



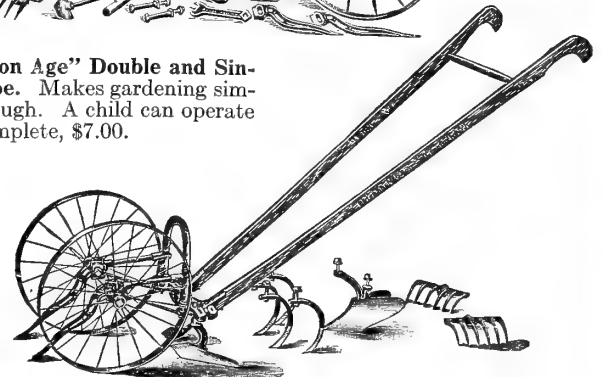
No. 20. "Iron Age" Single Wheel Hoe. Adjustable to work of any kind. Price, complete, \$6.00.



No. 6. "Iron Age" Hill or Drill Seeder, Single or Double Wheel Hoe. Four machines in one. Price, complete, \$12.00; as seeder only, \$9.00.



No. 1. "Iron Age" Double and Single Wheel Hoe. Makes gardening simple and thorough. A child can operate it. Price, complete, \$7.00.



Norcross Garden Cultivator, Hoes and Weeders. Implements which fill a long felt want. Five prongs, 4-ft. handle, 75c.; three prongs, 4-ft. handle, 50c. The "Midget" Weeder. Three prongs, 9-in. handle, 25c.

The "Monogram" Garden Cultivator. Good light tool. Five machines in one. Price, complete, \$1.75.





"KEEN KUTTER" SHOVELS AND SPADES.
 Round Point Long Handle Shovels, \$1.00.
 Square Point, D Handle Shovels, No. 2, \$1.00; larger, No. 4, \$1.10.
 D Handle Spade (like illustration), \$1.00.
 Long Handle Spade, \$1.25.
 D Handle Nursery Spade. Double straps entire length of handle, \$1.75.
 Ditching Spade. 20 in. blade, D handle, \$1.35.

"KEEN KUTTER" FORKS.
 4-tined Hay and Manure. Long handle, 75c.; 3-tined 6 ft. handle, 75c..
 4-tined Manure. D handle, \$1.00; heavy, \$1.35.
 4-tined Spading Fork. D handle, 90c.

"KEEN KUTTER" HOES.
 "Keen Kutter" Hoes. Crucible steel, 7 and 8 in., 45c.; 1-pronged weeding hoe, 25c.; 2-pronged, 30c.; 3-pronged, 45c.; 5-pronged, 50c.
 "Keen Kutter" Pick. Price, 75c.; with handle, 95c.
 "Keen Kutter" Mattock. Price, \$1.00; with handle, \$1.20.

We can also furnish "Ames" Shovels and Spades and cheaper grades of garden tools.

"Keen Kutter" Rakes. Bow pattern. 14-tooth, 75c.; regular 14-tooth, 70c.

Maleable Iron. 12-tooth, 25c.; 14-tooth, 30c.

"Queen" Lawn Rake. 50c.

"Ole Olsen" Lawn Rake. 50c.

Split-Handle Rake. 20-tooth rake 35c.; 10-tooth, 25c.

"Keen Kutter", Ladies' and Children's Garden Tool Set. Consisting of rake, shovel, hoe and spading fork. Made of first class material. Not toys, but tools that will do and stand the work. Price, \$1.75. Single tools, 50c.

Potato Hook, or 4-pronged hoe. Price, 60c.

Turf Edger. Price, 50c.

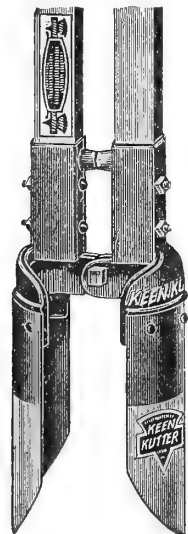
English Turf Edger. Price, \$1.25.

Grub Hoe, or Mattock. Price, 75c.

Mattock and Pick Handles. Price, 20c.

Grub, or Eye Hoes, 7 in., 60c. No handle.

English Scuffle Hoe. 6 in., 60c.; 8 in., 70c. No handle.



Post-Hole Digger.

"Keen Kutter" Post-Hole Digger. Strong and easy to operate. Price, \$1.50 each.

Picking Baskets. ½ bu. size, 15c. each. Per dozen, without handles, \$1.50; with bow handles, \$1.75; drop handles, \$2.00.

White-Oak Baskets. Side-handled, 1-bu. 60c.

Trace Chains. 7 ft., straight link, hook or ring. Price, 65c. per pair.

Cow Chains. 20 ft. Tying out, 75c. and \$1.00; stable ties, 25c.

Breast Chains. Double, 45c. pr.; single, 35c. pr.

Plow Lines. Cotton, 45c.; per pair; sisal, 25c.

Iron-Bound Hames. Price, 75c. per pair.

Hames Straps. Price, 20c. each.

Back Bands. Leather loop, 75c.; patent, 50c.

White Pine Sash. Made to hold either 24 or 28 8x10 panes. These sash are grooved so that the panes slide in and butt one against the other. Price of either size, 90c. each.

Hotbed Glass. Box of 90 panes, 8x10, \$2.00.

Hotbed Mats. Strong burlap, interlined with wool. 40x76 size, covers one sash, 75c.; 76x76, covers two, \$1.25. Special prices by dozen.

Twemlow's Old English Glazing Putty. (Semi-liquid.) For bedding glass in sash and filling cracks or seams in roof joints or frames of hotbeds or or green-houses Gal., \$1.40.

Putty, Bulbs. For applying liquid putty, \$1.00.

Peerless Glazing Points. (Imp. Van Reyper.) The finest glazing points on the market. The glass cannot slip; they are quickly and easily put in with special pincers; no "rights" or "lefts" to bother with. Per box of 1000, 60c; pincers, pair, 50c.

Plant Bed Cloth. A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 12c.

Regular Thermometer. Nicely finished. Price, 25c.

Self Regulating Hot House Thermometer. Best grade, \$3.25; second grade, \$2.25.

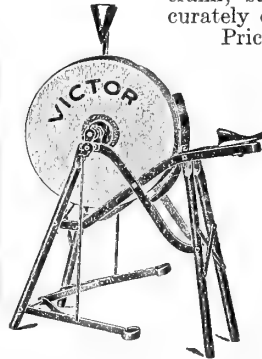
Hot Bed Thermometer. Price, \$1.25.



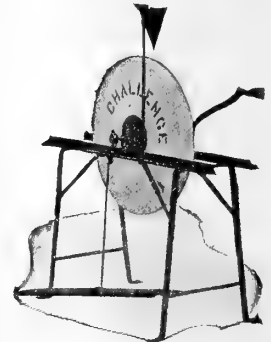
The "Alca" Garden Tool Combination. Can be used as a weeding fork, transplanting trowel, hoe, rake, or dibble. Is very handy around small garden. Price, 50c.



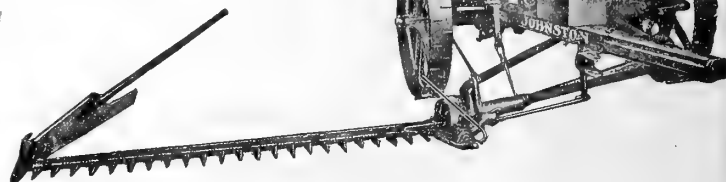
"Challenge" Grindstone. Steel frame; Japan and red paint finish; most rigid single treadle frame made; carefully selected Berea or Huron grit stones; 1½ to 2¼ inches thick; ball bearing throughout; single pedal and hand crank; steel axles accurately centered. Price, \$4.00.



"Victor" Cycle Grindstone. A strong and most rigid tubular frame. Built on up-to-date mechanical principles. Stone guaranteed best quality Berea Grit for general work. Regular size stone, 19 to 22 inches, 2 to 2½ inches thick. Shipped knocked down. Well crated with stone protected. Shipping weight, 90 pounds. Finish, red and black enamel. Price, \$5.00.



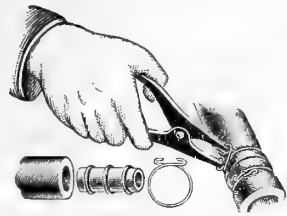
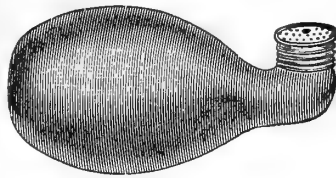
Johnston's Harvesting Machines.—When you buy Farm Machinery with which to equip your farm—machines and implements that will save time and labor, better prepare your soil, better harvest your crops—you look for the Quality and Efficiency of the machines you want. You are assured of Johnston Quality. Since 1871 harvesting machinery has been manufactured bearing the name Johnston.



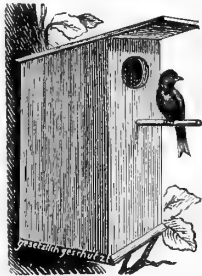
Send for illustrated catalogue; ask for special prices; state kind of machine desired, whether Mower, Rake, Harrow, Binder, etc.

PLANT SPRINKLER.

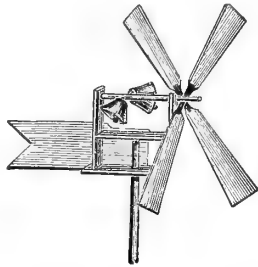
- No. 1. Straight neck.....60c.
- No. 2. Straight neck.....90c.
- No. 1. Angle neck.....60c.
- No. 2. Angle neck.....90c.



"Hudson" Garden-Hose Mender. For 3/4-in. hose. Specially adapted for family use. Hose can be mended or coupled securely and quickly. So simple that a child can use it. Price, complete with pliers, including six menders, 60c. Single menders 10c., 3 for 25c. Pliers, 25c.



The Scarecrow. In shape of a wind mill with loud-sounding bells. Sure protection for seed beds, as well as being original. \$1.25.



Collapsible Bird Boxes. For robins, red birds, wagtails, etc. May be taken down and cleaned. Price, 75c. each.

Clay Wren Boxes. Price, 10c. each. **Clay Bird Boxes.** For larger birds. Price, 20c. each.

Mole Traps. Crandel's "Lightning." Very effective. Price, \$1.50. Giant trap, 75c.

"Unique" Hedge Trimmer. No experience is required to operate the "Unique" Hedge Trimmer. It is so simply constructed, so easily operated and so effective that a novice can do the work better and more easily with our trimmer than a professional with the old method of trimming with the hedge shears. Price, \$5.00 a pair.

Solid Steel Imported Hedge Shears. The celebrated English shears. 10 in., with notch, \$2.00; 9 in., with notch, \$1.75; 8 in., with notch, \$1.50. All 25c. less without notch. The notch is very useful in heavy trimming or lopping.

Lawn Shears. Two wheels, 8 in. blade, for cutting on narrow borders, under fences and shrubs. Price, \$2.75.

Border Shears. 10 in., \$2.50; without wheel, \$2.25.

Rhodes Double-Cut Lopping Shears. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect-cut, the blades are concave at the cutting edge, producing with the handles an enormous leverage. They are the easiest-operating lopping shears ever made or sold. 24 inch handles. Price, \$2.50.

Hand Pruning Shears. 9 1/2 in. full polished German pruner, \$1.50; 8 1/2 in., \$1.00; 7 1/2 in., 85c. 8 1/2 in. French pruner (very good), \$1.25. 8 1/2 in., No. 1537, a good pruner, 50c. 6 in. Ladies' pruner, full polished, 85c.

Flower-Gathering Scissors. Large and perfect. Do not tire the hands. Price, 85c.

Grass and Sheep Shears. Full polished, imported shears, \$1.00; half-polished, excellent quality, 25c. and 50c.

Mule Shears. For trimming fetlocks. Price, 50c.

Wire Fruit Pickers. To be adjusted to long pole. Price, 25c. each.

"Searight" Tree Pruner. Very strong. 22 in. handle, \$1.75.

"Keen Kutter" Tree Pruner. 8 ft., 90c.; 10 ft., \$1.10; 12 ft., \$1.25.

Compound-Lever Tree Pruners. 10 ft. handles, down-cut and up-cut rapid action. Price, \$2.25 each.

Telegraph Tree Pruner. Without pole, \$1.00; saw attached, \$1.50.

Pruning Knives. Horn handle, 75c.; Wood handle, 65c.; Ivory handle, \$1.25; Bone handle, \$1.00. **Budding Knives Set.**

"Keen Kutter" Pruning Saws. Adjustable. Price, 75c. and 90c.

Grafting Wax. 1/4 lb., 10c.; 1/2 lb., 20c.; lb., 35c.

Raffia. Price, 20c. lb. Special price on quantity.

English Waldron Scythe. 30 in., \$1.20; 36 in., \$1.30; 38 in., \$1.40; 40 in., \$1.50.

Peace's Riveted-Back Scythe. Imported. Very keen cutter. 36 in., \$1.20; 38 in., \$1.30; 40 in., \$1.40.

German Scythe. Hand tempered. Price, \$1.00.

"Black Diamond" Scythes. Bramble, weed or grass, Price, \$1.00.

Snathes. Light and heavy. Price, 75c.

English Grass Hooks, or Sickles. Riveted back. Price, 40c. and 45c. Solid blade, 30c.

German Grass Hooks, or Sickles. Price, 25c.

Whet Stones. Darby Creek, 10c.; English, 15c.; Carborundum, 25c.



"Keen Kutter" Garden Fork. (As illustrated.) All steel, 50c.; good steel fork, 25c.

"Dandelion" Spades. A practical weeder. Price, 25c.

"Eureka" Weeder. Three teeth. Price, 25c.

"Excelsior" Weeder. Five teeth. Price, 10c.

Dibbles, or Planting Pegs. Bent wood handle. 30c.

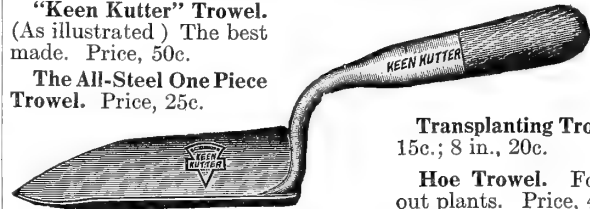
Asparagus Buncher. The latest improved. Price \$1.50.

Asparagus Knife. Which makes a fine weeder as well. Price, 30c.

Cleveland Weed Puller. (As illustrated.) Valuable for extracting weeds from the lawn. Price, 60c.

"Keen Kutter" Trowel. (As illustrated.) The best made. Price, 50c.

The All-Steel One Piece Trowel. Price, 25c.



Transplanting Trowel. 6 in. 15c.; 8 in., 20c.

Hoe Trowel. For setting out plants. Price, 40c.

Bulb Trowel. Heart shaped. Price, 50c.

Ladies' Trowel. Light, yet strong. Price, 10c.

Push Broom. Bass. Price, 50c.

Stable Broom. Rattan, very strong. Price, 50c.

Buckets. Cedar, iron bound. Price, 60c.

Mehler's Handy Gardener

Hoe, Rake, Weeder & Cultivator In One



An entirely distinct tool 5 1/2 ins. wide with a special handle 4 3/4 ft. long; entire weight 2 lbs.

Note the comfortable position and special arrangement of the five teeth, which allows cultivation closer to the plant than any other device, and at the same time on three sides at one stroke.

No hoe is needed where this tool is used; just the thing for working among flowers and young vegetable plants.

Send for descriptive circular

Price, 85c. each. Special price on quantities.



Mehler's Handy Hoe.

Three distinct tools; hoe, rake and cultivator all combined in one; 4 1/2 ft. handle. Price complete, \$1.00.

Mehler's Lawn and Walk Handy Edger.

The most perfect edger on the market. 4 1/2 ft. handle. Price, \$1.25.

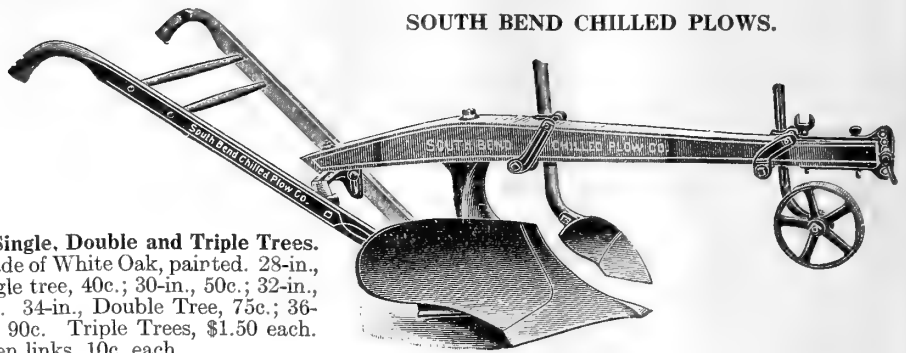
No flower or vegetable gardener can afford to work without these Handy Garden Tools, for, in addition to the great quantity of work made possible with so little effort, they insure absolute comfort and great efficiency.

South Bend Chilled Plows. We can furnish these plows in any size and style. Wood or steel beam. Right or left hand. We are listing here a few of the most popular sizes:

- No. 1BX, 1 horse, right, wooden beam \$6.00 (No. 1BX right hand only.)
- No. 3X, Light, 2 horse, wooden beam 10.00
- No. 4X, Med. 2 horse, wooden beam 10.50
- No. 10X, Reg. 2 horse, wooden beam 11.00

Prices on plows are plain. Wheels, \$1.00; jointers, \$2.00; shoe rolling coulters, \$4.00.

We can also furnish the "Oliver" and "Syracuse" Plows and the Repairs. Prices will be furnished on application.

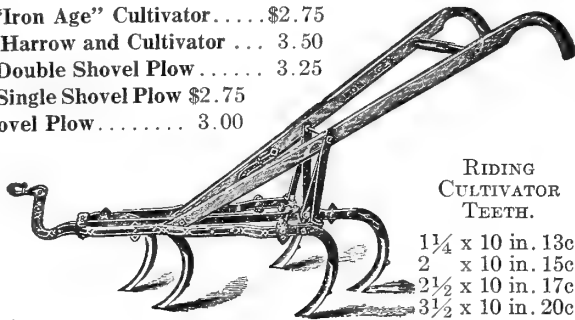


SOUTH BEND CHILLED PLOWS.

Single, Double and Triple Trees. Made of White Oak, painted. 28-in., single tree, 40c.; 30-in., 50c.; 32-in., 60c. 34-in., Double Tree, 75c.; 36-in., 90c. Triple Trees, \$1.50 each. Open links, 10c. each.

5-TOOTH "IRON AGE" CULTIVATOR.

- 5-Tooth "Iron Age" Cultivator . . . \$2.75
- 14-Tooth Harrow and Cultivator . . . 3.50
- "Malta" Double Shovel Plow 3.25
- "Malta" Single Shovel Plow \$2.75
- Triple Shovel Plow 3.00



RIDING CULTIVATOR TEETH.

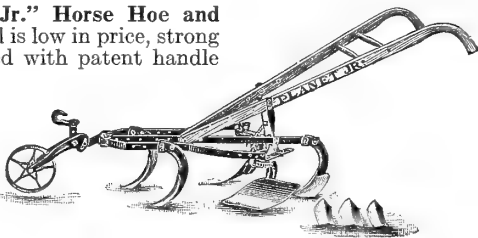
- 1 1/4 x 10 in. 13c.
- 2 x 10 in. 15c.
- 2 1/2 x 10 in. 17c.
- 3 1/2 x 10 in. 20c.

CULTIVATOR TEETH, ETC.

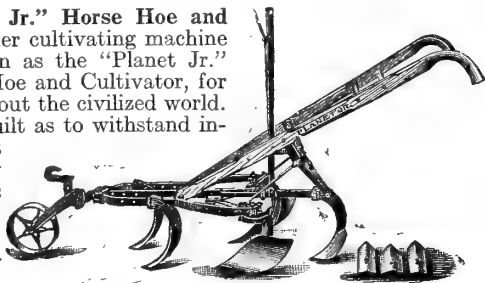
- | | |
|------------------------------------|----------------------------------|
| 1 1/4 x 8 in. 6c. | Hind shovels, 7 in. 20c. |
| 2 x 8 in. 7 1/2 c. | Hand-wheel clamps. 30c. |
| 2 1/2 x 8 in. 8c. | Set-screw clamps. 25c. |
| 3 x 8 in. 8c. | Sweeps—8 in. 20c. |
| 4 x 8 in. 10c. | " 10 in. 25c. |
| Oval or Jersey. 8c. | " 12 in. 30c. |
| Frame and teeth bolts . . . 3c. | " 15 in. 35c. |
| Horse hoe steels, R. & L. . . 20c. | " 18 in. 40c. |
| Turn shovels, R. & L. . . . 15c. | |

Hamburg Potato Plow. Wood beams, complete, with wheel, \$8.00.

No. 4. "Planet Jr." Horse Hoe and Cultivator. This tool is low in price, strong and simple; provided with patent handle braces, firm, simple, strong and convenient. With this support the frame and handles seem almost like one solid piece. Changes in width are quickly and easily made by the patent expanders, and one side may be opened wide, and the other closed. Furnished with or without the wheel. Price, with wheel, \$6.75; without wheel, \$6.00.

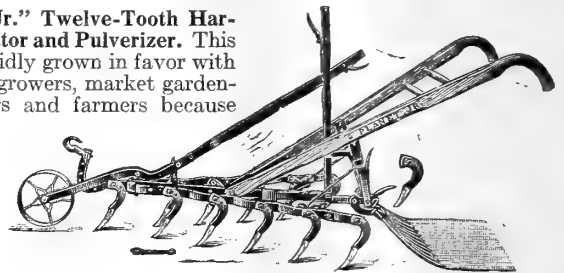


No. 9. "Planet Jr." Horse Hoe and Cultivator. No other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, and throws dirt to or from the row and throws back from centre again. You can cultivate to any depth desired, or adjust to any width. Every part is perfected to make the tool acceptable to the intelligent farmer who knows the best is always the cheapest. Price, with wheel, \$7.75; without wheel, \$7.00.



No. 4. "Planet Jr." Plain 5-Tooth Cultivator. This popular tool has been much stiffened and improved by our new patent braces and expanders, identical with those used on No. 4 Horse Hoe. Has pressed steel wheel arms and standards. Price, with wheel, \$5.25; without wheel, \$4.50.

"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. This tool has rapidly grown in favor with strawberry growers, market gardeners, truckers and farmers because



the twelve chisel-shaped teeth do such thorough work, and because the tool is so convenient, durable and strong. The teeth and pulverizer leave the ground in the finest condition, and the operator can set the tool exactly to any depth desired, making delicate work not only possible but very easy. Improved braces enable one to change the handles in height to suit boy or man, and also sidewise. It is a great advantage to be able to move the handles to one side when cultivating blackberries, raspberries, vines, hops, etc., saving the hands, the clothes and the crops. The expander works with ease, yet holds the tool thoroughly rigid. The hand levers regulate both width and depth instantly. The tool expands to 32 inches and contracts to 12 inches. Price, complete (with lever wheel and pulverizer), \$9.00; with lever wheel, \$7.40; plain, \$6.20. Plain, without Lever Expander, \$5.00.

"AFTON FARM" FEED MIXERS.

No. 1 The Small Hand Power Mixer. 20 in. high; weight, 50 lbs.; hopper, 14 by 11 inches. Capacity, 15 quarts. Price, \$10.00.

No. 2. Standard Hand Power Mixer. Weight, 200 lbs. Capacity, 75 qts. This is the standard Afton Farm Feed Mixer. It can be run by hand or power. The handle can be removed and pulley substituted when power is used. All gears are on the outside. Note the pan under hopper by which the feed is conveyed to receptacle. This machine will mix mash for 5,000 hens in 20 to 30 minutes. Price, \$37.50.

No. 3. The Power Mixer. Weight, 300 lbs. Capacity, 150 quarts. Price, \$50.00.

Send for Circular.



No. 1 Small Hand Power Mixer.

Boiler and Feed Cooker. Heavy cold rolled steel furnace; extra large feed door; wrought iron handles, firmly riveted on. Kettles smooth, heavy cast iron. Door, frame and flue collar cast iron.

- 30 gal. \$10.40
 - 48 gal. \$13.20
 - 75 gal. \$19.20
 - 33 gal. 11.20
 - 53 gal. 14.40
- Furnace with Fire Pot for coal, add \$4.00.

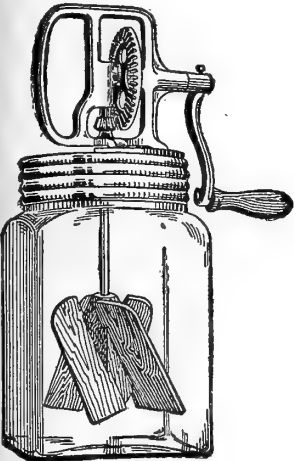


Single Separator.

"Star" Gravity Cream Separator. Water capacity double that of the milk. Made of the very best XXXX tin—the best that money can buy. The milk is mixed with equal quantity of water. Get cream in two or three hours. Has aerating cover and strainer. Not painted.

No. 0, 24 qts.	\$3.00
No. 1, 48 qts.	3.75
No. 2, 88 qts.	4.50
No. 3, 118 qts.	5.50

Prices on Milk Cans, Pails and other Dairy Supplies on application.



Dazy Glass Family Churn.

Philadelphia Butter Printer. 1 lb., \$1.50; ½ lb., \$1.00. Initial or special monogram, \$1.50 extra.

Butter Printers. ½ lb., size, round or square, 25c. each.

Lafayette Butter Printer. Either pound or half-pound size, with table, \$15.00; without table, \$10.00. Initial or monogram, \$1.50 extra.

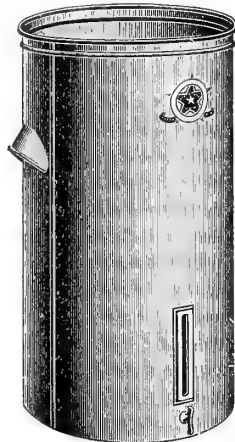
Parchment Butter Paper. Cut for pound and half-pound prints. Price, 20c. lb. Special price on quantities.

Floating Dairy Thermometer. Price, 25c.

"Star" Cooler Cream Separator. Made in the very best manner. The inner can is for milk and the outer can for water. The single separator has one milk can and the double separator has two milk cans. Inner cans can be readily taken out for cleaning. There is nothing better on the market. The outer cans are painted and decorated.

No. 000, 14 qts.	\$3.50
No. 00, 20 qts.	4.00
No. 01, 25 qts.	4.50
No. 01½, 35 qts.	5.00
No. 02, 45 qts.	6.25
No. 03, 65 qts.	7.50

(Prices on Double Can furnished on application.)



Dazy Glass Family Churn. Easy running, easy to clean, produces the finest butter that can be made. No. 30 G, churning 1½ qt., \$2.50; No. 40 G, 2½ qt., \$3.00.

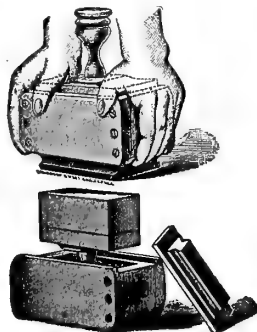
Dazy Dairy Size. Tin can instead of glass, like the above. No. 1 D. Z., churning from one to four gallons, \$6.00; No. 2 D. Z., churning from one quart to two gallons, \$4.25.

Improved Cedar Cylinder Churn.

No. 1, 2½ gal.	\$2.25
No. 2, 4 gal.	2.75
No. 3, 7 gal.	3.25
No. 4, 10½ gal.	3.75

Davis Swing Churn. Finest churn on the market. Has no floats or dashers; easy to clean; very easy to operate. Makes fine butter.

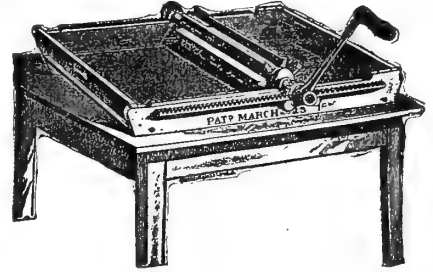
No. 1, 4 gal.	\$7.00	No. 3, 8 gal.	\$10.00
No. 2, 5 gal.	8.00	No. 4, 10 gal.	12.00
No. 5, 13 gal.	\$15.00		



Philadelphia Butter Printer.

Wells, Richardson & Co.'s Butter Color. The best butter color on the market. Small bottle colors 500 lbs., 25c.; large bottle, 50c. and \$1.00.

Reid's Butter Worker. This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.



No. 1—50 lbs.	\$8.00	No. 3—20 lbs.	5.60
No. 2—30 lbs.	6.40	No. 4—10 lbs.	4.80

Butter Boxes. These boxes are iron bound at the edges and capped at the corners. An ice box is fitted in the center, which can be removed at will and the space utilized.

36 ½-lb. prints	\$4.50	20-lbs. prints	\$3.75
64 ½-lb. "	5.25	30-lbs. "	4.25
80 ½-lb. "	5.50	40-lbs. "	4.75
100 ½-lb. "	6.00	56-lbs. "	5.00
120 ½-lb. "	6.50	80-lbs. "	5.50
140 ½-lb. "	7.00	96-lbs. "	6.00

Rice's Calf Weaner. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 30c.; by mail, 35c. No. 2, for heifers, 50c.; by mail, 56c. No. 3, for cows, 75c.; by mail, 85c.

Cooley Colt, Calf and Cow Weaner and Dog Muzzle. The only successful weaner in the world. Over 100,000 now in use. The animal this weaner is put on can positively not suck, but at the same time it is no inconvenience to it to feed. Stop at our store and see it demonstrated. No. 1, 35c.; No. 2, 50c.; No. 3, 75c.

Bull Rings. Gun metal, \$1.25; copper, 25c. each.

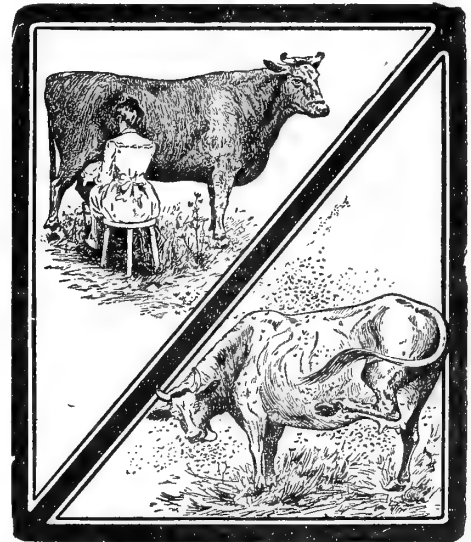
"NO-FLIES-HERE"

A liquid designed to protect cows, oxen, horses, mules and all live stock from flies and other insects, and to drive and keep them off.

Keep the flies off your cows, horses and other live stock and you will add to their health and to your gain. Cows produce more milk when not pestered by flies and horses do better work.

One gallon makes five gallons cattle spray ready for use.

1 gal.	\$1.50
½ gal.	.85
1 qt.	.50



Plain Sprayer. For applying "No-Flies-Here," 40c. each.

Continuous Sprayer. A great improvement over the Plain Sprayer. Tin, 75c.; Brass, \$1.00.

BITTER LICK MEDICATED Salt Brick



The Great Conditioner. Effic. Digestor & Worm Destroyer.

Bitter Lick. For horses and cattle of all kind. Price of brick, 25c.; doz., \$2.50.

Holders made of iron and japanned black. Price, each 20c.; doz., \$2.00.

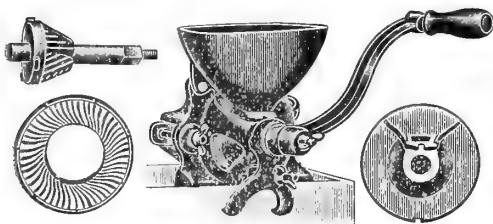
Cream Separator Oil. 25c. qt.; 40c. 2 qts.; 75c. gal.

Harvesting Machine Oil. 75c. gal.

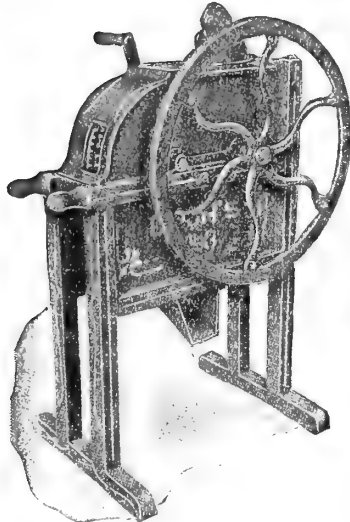
Gasoline Engine Oil. 60c. gal.

Gasoline Engine Cup Grease. 20c. can.

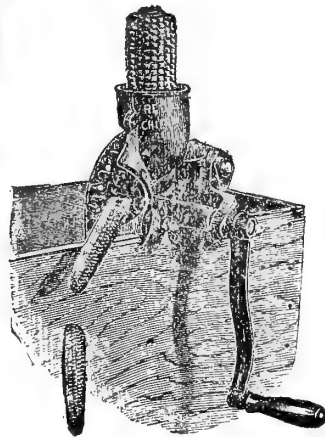
Axle Grease. 10c., 25c., 75c., \$1.00 cans.



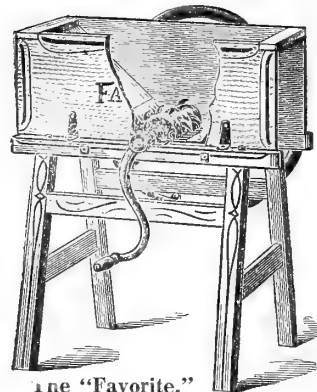
"Red Chief" Grinding Mill.
For cracking corn, wheat and other grain. Price \$3.00.



Buch Corn Sheller No. 3.
First class machine with great capacity, easy to operate. \$7.00.



"Red Chief" Corn Sheller.
Strong and durable. Price, \$1.75.



the "Favorite."

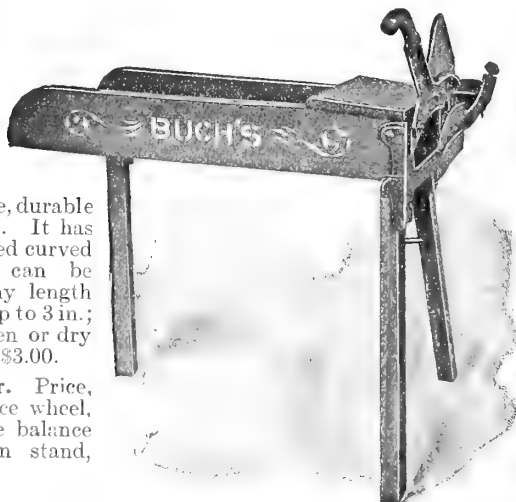
Revolving Cutter. 11½ in. knife. Price, \$12.50.

The **"Favorite" Root Cutter.** For cutting roots and vegetables for stock feeding. It feeds itself and cannot choke or clog. It is strongly made; well braced and bolted. The heavy fly wheel and even bearings make it run easily. No. 1 Hand Machine, width of cutter bar 11 inches. Price, \$7.50. No. 2 Power Machine, width of cutter bar 20 inches. Price, \$17.50.

Thompson Root Cutter. For poultry and dairy men. Price \$7.50.

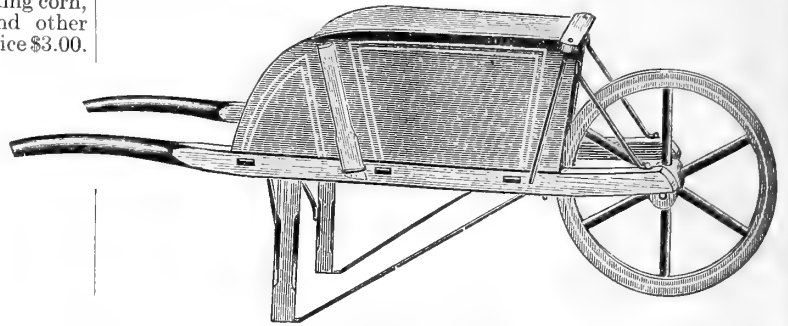
Buch's Hand Lever Feed Cutter. This Cutter is simple, durable and low priced. It has a 11 in. tempered curved knife, which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. Price \$3.00.

Clover Cutter. Price, with the balance wheel, \$8.00; with the balance wheel and iron stand, \$10.00.



GARDEN WHEELBARROWS.

No. 3 Barrow. 26 in. long, 19 in. wide front, 22 in. wide back, sideboards 27 in. long, 12 in. high, wheel 20 in. high. Price, \$3.50.
No. 2 Barrow. Somewhat larger than above. Price, \$3.75.

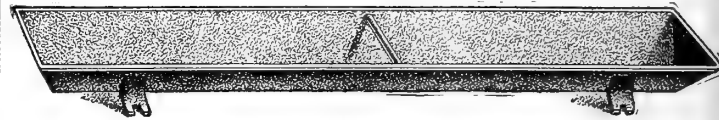


All-Wood Canal Barrow. Price, \$2.00.

Iron Tray Wood Frame Barrow. Price, \$4.50.



Rivetless Steel Horse and Cattle Troughs. Capacity, 8 gal. per ft. Price, 4 ft., \$5.00; 6 ft., \$7.25; 8 ft., \$9.00.



Cast Iron Hog and Poultry Troughs. No seams for food to lodge in and being easy to clean there is no likelihood of foul, unhealthy odors. These troughs are very popular with all who use them. Capacity 2 gal. per ft. They are made in lengths as follows: 2 ft., 2½ ft., 3 ft., 3½ ft., and so on, every half foot, up to 8 feet. Price, ft., 50c.

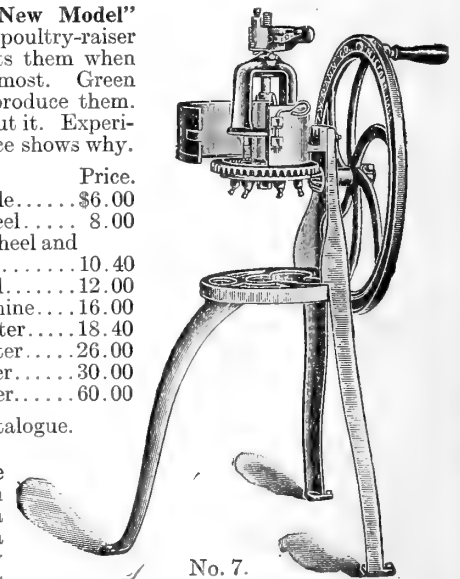
No. 7. Mann's "New Model" Bone Cutter. The poultry-raiser wants eggs, and wants them when eggs are worth the most. Green bone and raw meat produce them. There is no doubt about it. Experience proves it. Science shows why.

No.	Price.
5C, with Crank Handle.....	\$6.00
5B, with Balance Wheel.....	8.00
5BM, with Balance Wheel and Stand.....	10.40
7, with Balance Wheel.....	12.00
7½, Semi-power Machine.....	16.00
9, Standard Bone Cutter.....	18.40
11, Comb. Power Cutter.....	26.00
12, Small Power Cutter.....	30.00
15, Large Power Cutter.....	60.00

Send for Special Catalogue.

The Mann's Bone Cutter will give you a chance to give her a chance. It gives you a better chance than any other bone cutter. It is not the result of a "happy accident" that the Mann's does its work so well. The Mann's has fifteen years of experience behind it. It has all the improvements which can come only from such experience.

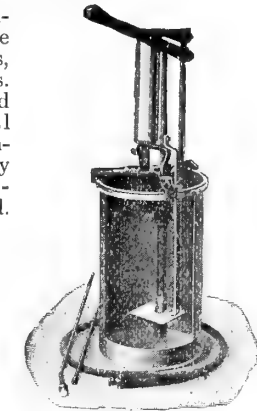
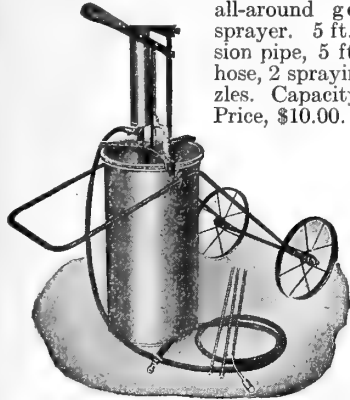
Mountville Bone Mill. Fine for grinding cooked bone, grains and shell. On stand, \$5.50; without stand, \$4.50.



No. 7.

"Paragon" Sprayer No. 1. showing inside mechanical arrangement. For white washing, water painting, spraying trees, and vines and for many other purposes.

Cannot clog. A good all-around general sprayer. 5 ft. extension pipe, 5 ft. 6-ply hose, 2 spraying nozzles. Capacity 6 gal. Price, \$10.00.



"Paragon" Sprayer No. 1.

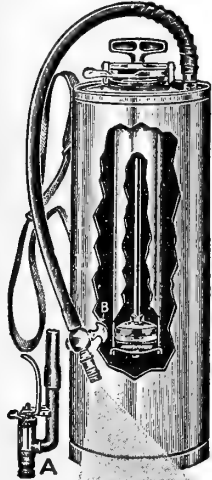
"Paragon" Sprayer No. 3. Our most popular and best selling machine. Thousands are now in use and giving thorough satisfaction. This machine is mounted

on a strong steel truck and can easily be wheeled to any desired place. 7½ ft. extension pipe, 10 ft. 6-ply hose, 2 spraying ing nozzles. Capacity 12 gal. Price, \$15.00.

"Paragon" Sprayer No. 3.

The Brown "Auto-Spray," No. 1. No other style of sprayer will do such a variety of work, and do it so well. We recommend it for trees, shrubs, and vines, green-houses, poultry houses, hospitals, and stables for disinfectants, for sheep and cattle dip and cattle fly oils. It may be used where any bucket or knapsack sprayer can be used, and with much more satisfaction. Even those who have commercial orchards and large power sprayers, need the "Auto-Spray," No. 1 for small work.

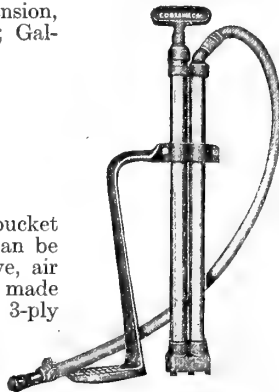
No. 1A, brass tank with stop-cock \$6.75
 No. 1B, brass tank with auto pop. 7.75
 No. 1C, galvanized tank, with stop-cock 4.50
 No. 1D, galvanized tank, with auto pop. 5.50
 Brass 2-ft. extension, per length, 50c.; Galvanized, 40c.



PATENTED.

"Auto-Spray" No. 1.

"Auto-Spray," No. 2. Full brass bucket pump, practically indestructible and can be used for all purposes. Brass ball valve, air chambers and pump cylinder. Leg is made of malleable iron. Equipped with 3-ply ½-inch discharge hose and first class nozzle. Price, \$3.00.



"Auto-Spray" No. 2.

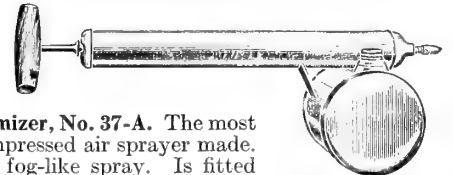


Tin Sprayer, No. 21-A. Heavy material, copper syphon tube, pump cylinder extra large, 2-in. diameter. Price, 40c.

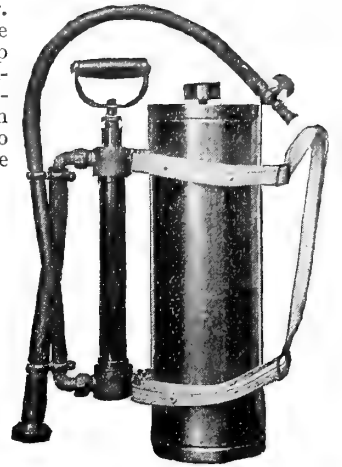
SPRAYING.—With less labor and inconvenience, in application, and with greater effect on the trees, "Scalecide" gives the best returns for expenditures.

50 gal. bbls. \$25.00	5-gal. jacketed cans. \$3.25
30-gal. jacketed tins. 15.00	1-gal. jacketed cans. 1.00
10-gal. jacketed cans. 6.00	1 qt. cans.40

Compressed Air Atomizer, No. 37-A. The most perfect small hand compressed air sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under leaf sprayer. In fact, spray can be delivered at any angle or position desired. Made in solid brass highly polished; holds one quart. Price, \$1.00. Similar sprayer made of tin, 75c.



The Bidwell Automatic Sprayer. Discharges the entire contents of the tank with one pumping; same pump operates both air and liquid; is constructed entirely of brass and copper, and is thoroughly well made in every particular; there is nothing to wear out or corrode, and with care will last a lifetime. Price, \$15.00.



Bidwell Automatic Sprayer.



Lovell Jar Sprayer.

Lovell Jar Sprayer. Price, 75c.

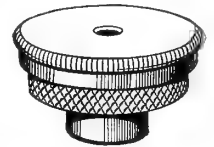
Lovell Powder Gun. Price, 75c.

"Acme" Powder Bellows. Price, 90c.

Leggetts Champion Powder Duster. Price, \$3.00.

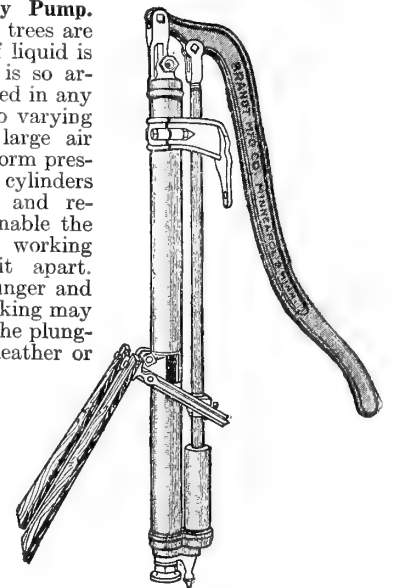
Torches. For burning Caterpillars, etc. Asbestos, 35c.; "Peerless," 50c

The Winkle "Mist-Spray" Nozzle. Does the work of two Vermorels or Bordeaux's. Lightest, strongest and best nozzle on the market. Brass or Aluminum, Price, 75c. each.



The "King" Barrel Spray Pump.

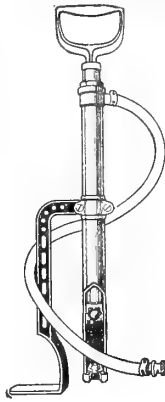
Made for orchards where the trees are large and a great quantity of liquid is to be handled. This pump is so arranged that it may be mounted in any barrel and can be adjusted to varying heights. It has extremely large air chambers which insure a uniform pressure at the nozzle, large cylinders which give great capacity, and removable ball valves which enable the user to keep pump in good working condition without taking it apart. This pump has self-oiling plunger and is constructed so that the packing may be tightened without taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially prepared and will withstand the action of spraying chemicals longer than any other material and can be replaced in a few minutes at a nominal cost. Dimensions, 1¼-in. cylinder; 2-in. air chamber and fastens to chime of barrel. Equipped with 5-ft. hose, nozzle, agitator, etc. Price, \$10.50.



The "King" Barrel Spray Pump.

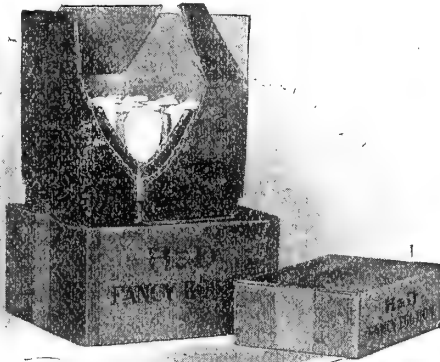
(SPRAY PUMPS—continued on next page.)

"Modoc" Bucket Pump. This pump is all brass except the foot piece and handle. The cylinder, or barrel, is very large and is made of heavy seamless brass tubing; into this we put the plunger, (which is also made of seamless brass tubing) thereby largely increasing the pump's capacity. The plunger is hollow, thus forming an air chamber which insures a steady flow of liquid. The valves are bronze balls. The plunger packing is cotton wick and can quickly be changed when necessary. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3-ft. 1/2-inch spray hose attached with clamps. Price, \$3.00.



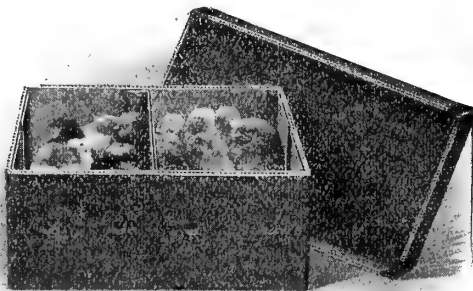
Complete Water Barrel and Truck Outfit. Regular Tire, \$8.50; barrel only, price \$3.00.

"Eyrie" Egg Box. Lined on all sides, top and bottom with corrugated paper, and each egg is separated and protected on all sides by double-faced corrugated paper partitions. The cushion effect of the corrugated paper will resist all hard knocks, preventing the eggs from being broken while in transit. The wood handle is inserted after the eggs are packed, locking the box and avoiding any chance of having goods piled on top while in transit—it is a reminder. Your customer will appreciate having the eggs arrive unbroken by duplicate orders. 1 setting, 15c. each; \$1.50 doz.; 2 settings, 20c. each; \$2.25 per doz.



The "H. & D." Egg Box.

The "H. & D." Egg Box for shipping hatching eggs is made from the most resilient board known, manufactured out of jute and of celliform construction. The walls of the box are of double thickness, giving it the greatest possible strength to withstand rough or careless handling. 1 setting (15), 15c. each; \$1.25 doz.; 2 settings (30), 18c. each; \$1.75 doz.; 50-egg, 20c. each; \$2.25 doz.; 100-egg, Anderson, 40c. each; \$4.75 doz.

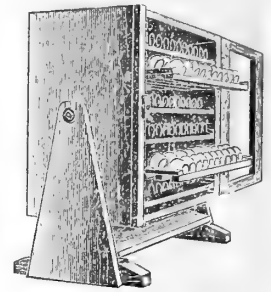


The Baby-Chick Box.

The Baby-Chick Box. The particular features of merit are our methods of ventilation and manner of sealing; aside from these, the lightness and strength due to its material and construction. 25 chicks, 15c. each; \$1.50 doz.; 50 chicks, 20c. each; \$2.00 doz., 100 chicks, 30c. each; \$3.25 doz.

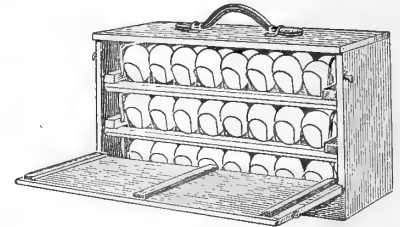
The Houghton Egg Turner. Of inestimable value to poultry raisers. The eggs can all be turned in a moment's time with positive certainty and without risk of breaking. A great labor saver. Made in four sizes.

15 doz. size..\$3.25 42 doz. size..\$5.75
28 " " .. 4.25 84 " " .. 8.50

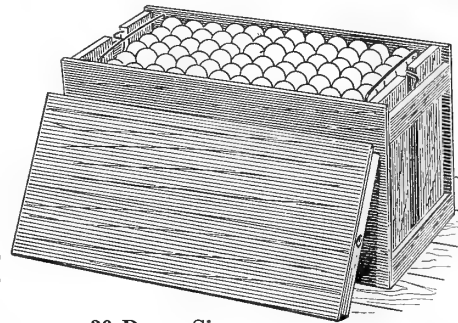


Houghton Egg Turner.

The Houghton Egg Carriers. These carriers have been sold to the trade with perfect satisfaction the past 14 years. They will carry eggs without breakage. The eggs being held apart by the wire holders are always well ventilated and they will not become musty as in cases with card board fillers. Eggs will always arrive in good condition. Made in seven sizes.



6-Dozen Size.



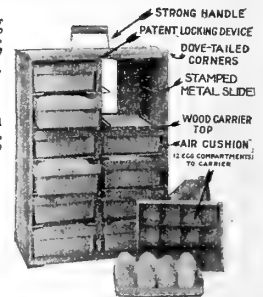
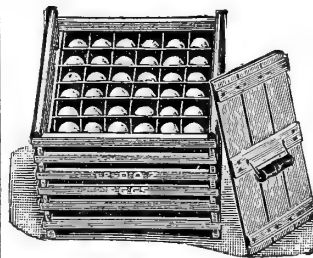
30-Dozen Size.

Prices of Houghton Egg Carriers:

6 doz. size..	\$1.00
9 " " ..	1.25
12 " " ..	1.40
15 " " ..	1.80
20 " " ..	2.25
25 " " ..	2.50
30 " " ..	2.75

"Modern" Egg Carrier. Just the thing to bring eggs to market. 4 doz. size, 80c.; 6 doz. size, 90c.; 8 doz. size, \$1.00; 12 doz. size, \$1.25.

Paper Egg-Boxes holding one dozen each. Doz., 10c.; 3 doz., 25c.; 100, 65c.; 1000, \$6.00.



"Modern" Egg Carrier.

"Humpty Dumpty" Egg Carrier, Collapsible. 12 doz. size, 35c.

"Humpty Dumpty" Egg Carrier.



15-Egg, 1-Setting Size.



30-Egg, 2-Setting Size.

Prices of "Star-Safety" Egg Box.

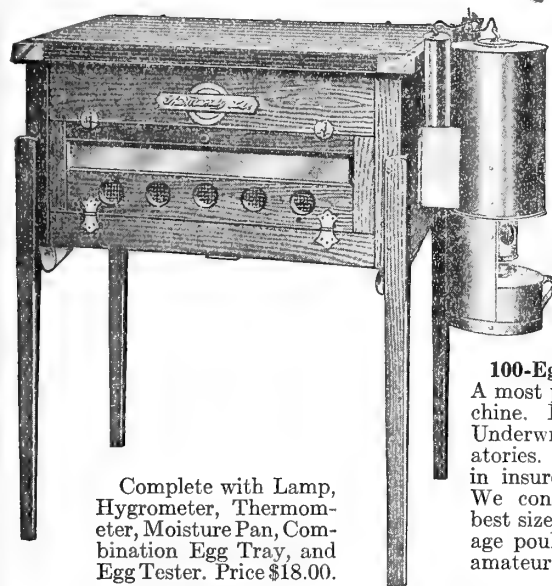
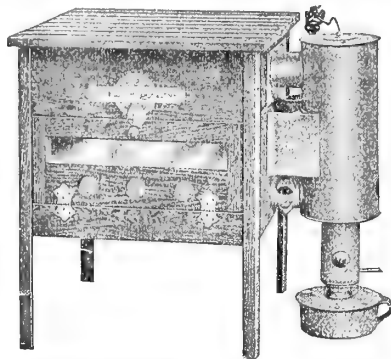
Size.	Each.	Doz.
1-setting....	25c.	\$2.50
2-setting....	40c.	4.00

"Star-Safety" Egg-Box. Absolutely no risk in sending valuable hatching eggs by express, parcel post, etc. Made of wood.

“MANDY LEE” INCUBATORS AND BROODERS.

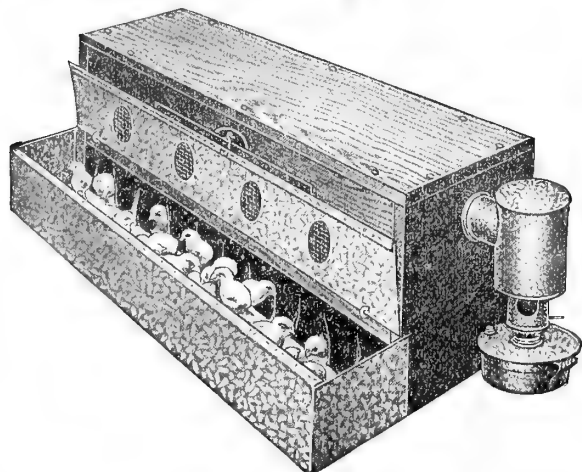
The “Mandy Lee” Incubators and Brooders. You can't buy better incubators and brooders than the “Mandy Lee.” Space will not permit extended description here, but illustrations give a good idea of what these machines are and the catalogue—free on request—tells about them in detail. The ideal hatching and brooding equipment. Perfect control of heat, moisture and ventilation.

60-Egg Incubator. This is a splendid machine of small capacity. Not so elaborately made as the Regular “Mandy Lee,” but better than any other machine of equal price and a great favorite. Price, \$10.00.



100-Egg Incubator. A most practical machine. Inspected by Underwriters Laboratories. May be used in insured property. We consider it the best size for the average poultryman and amateur.

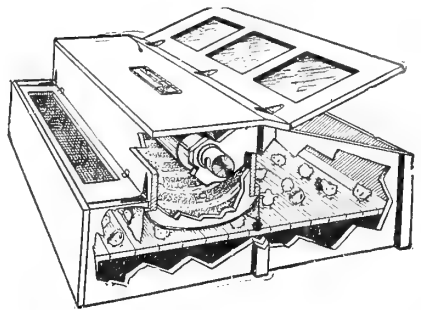
Complete with Lamp, Hygrometer, Thermometer, Moisture Pan, Combination Egg Tray, and Egg Tester. Price \$18.00.



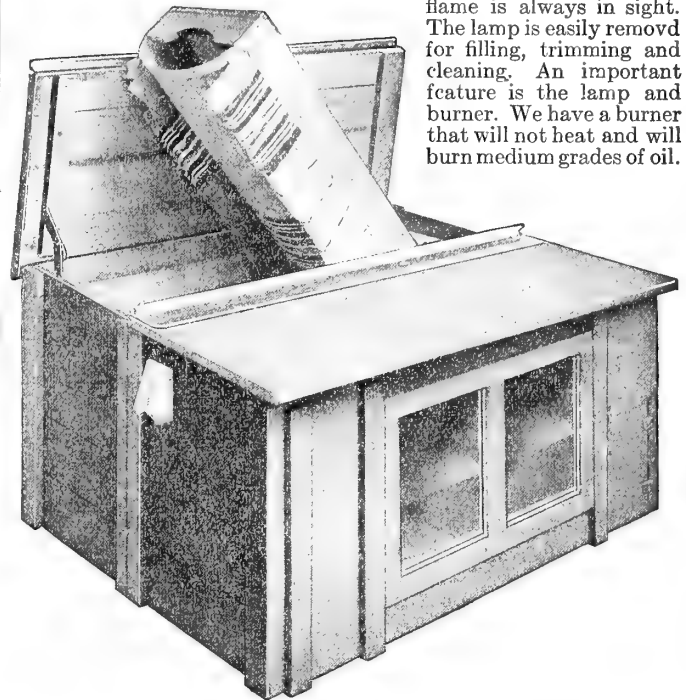
The 60-Chick Indoor Brooder. (Heated.) Accommodates nicely more than 60 chicks. This brooder is just the thing to go with a 60-egg incubator. For larger machines we recommend the Regular “Mandy Lee” and the Secondary Brooder. The Secondary is intended, as its name indicates, for chicks two or three weeks old or after they have been through the Regular Brooder. Price, \$6.00.

Regular Indoor Brooder. Heated. Capacity, 100 chicks. Price, \$13.00.

The front of the brooder is covered with a sash containing plenty of glass for light, this, when closed, will form a warm room of medium temperature for cold mornings or when the brooder is set in a cold room. At the back of the machine is a little runway for a fresh air exercising space for the chicks.



The brooder is very easily cleaned. The lamp flame is always in sight. The lamp is easily removed for filling, trimming and cleaning. An important feature is the lamp and burner. We have a burner that will not heat and will burn medium grades of oil.



The “Mandy Lee” Outdoor Heated and Regulated Brooder. This picture shows the “Mandy Lee” Outdoor Heated and Regulated Brooder, with the hover raised. This is really a small brooder house of ample room and capacity. Instead of the usual single floor, this has a double floor, 3x4 feet, the lower floor being directly on the ground where the chicks come in contact with Mother Earth.

In this new brooder, which is fully illustrated and described herein, the hover is the warmest part, just right for the most tender chick. Then comes the upstairs feeding compartment, a few degrees lower in temperature, where the chicks can be for a few days. Then they can pass down an incline to a ground floor-scratching-room, the full size of upper hover and scratch-room combined. Here they have plenty of room during bad weather and right on the ground, which is the place for chicks to thrive. Price, \$18.00.

“Mandy Lee” Incubators and Brooders.

INCUBATORS:					
60-egg size.....	Price.	\$10.00	200-egg size.....	Price.	\$27.00
100-egg size.....	“	18.00	300-egg size.....	“	35.00
140-egg size.....	“	22.00	600-egg size.....	“	65.00
150-egg size.....	“	24.00			
BROODERS:					
Regular.....	Capacity	100 Chicks.	Price.	\$13.00	
Secondary.....	“	80	“	8.00	
60-Chick Indoor Brooder.....	“	60	“	6.00	
Outdoor Heated.....	“	125	“	18.00	
Fireless, No. 8.....	“	50	“	5.00	
Fireless, No. 10.....	“	100	“	8.00	

If in the market for a Mammoth Incubator write us, and we will send Special Catalogue on either Candee, Hall or Newtown.

“INTERNATIONAL” SANITARY HOVER AND OATS SPROUTER.



“International” Sanitary Hover.

used in any place where there is shelter against wind, rain and snow. It is especially suitable for use in colony brooders. Can be used with equally good results in any ordinary hen house or in a home made colony coop providing the coop is wind and water proof. The sanitary hover can be picked up and carried around with ease. It can be removed at any time when it is necessary to clean the coop or floor where it is located and replaced without connecting or disconnecting any pipes. No carpenter work is required to provide a space for the sanitary hover. This type of hover eliminates the construction of expensive brooder houses in that it makes a common laying house serve two purposes. This feature cannot fail to appeal to every practical poultry raiser who desires to save money. Price, \$8.50.

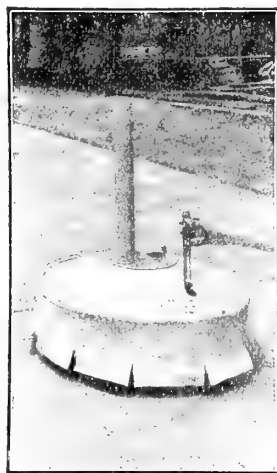
The **“International” Sanitary Hover** is constructed of heavy galvanized iron. This is the principal feature suggesting **“Sanitary”** in connection with it. It is a well known fact that wood hovers provide cracks and crevices for mites and other vermin, and unquestionably the sanitary hover is superior in that it can be easily cleaned and sprayed, or even soaked with disinfectants, so there can be no chance for any vermin to live. The sanitary hover cannot be burned nor melted, cannot fall apart nor break; with ordinary care it will last a lifetime and will give perfect brooding service every day of that life. The **“International” Sanitary Hover** can be

The **“Ideal” Oat Sprouter**. The **“International” Sanitary Hover**. The triumph of the **Sanitary Hover** as an **Oat Sprouter** gives to poultrymen a brooding device they can use the year round and reap a profit on every day. During the Fall and Winter months—when other hovers are merely taking up room and accommodating spiders—the **Sanitary Hover** can be used to provide the supply of green food without which hens will not lay. As an **Oat Sprouter** alone the **Sanitary Hover** will pay for itself many times over. As a brooding device it has not only no equals, but no real competitors. Scores of customers, after brooding for a season with the **Sanitary Hover**, have written to us that they would not sell it at any price if they could not repeat on orders. What will customers say when realization comes that the **Sanitary Hover** will not only raise more chicks than any other brooding device, but will raise also the Winter supply of sprouted oats—the egg-making green food! Every extra chick you raise means just that much extra profit for you. The **Sanitary Hover** is great on extra chicks.

The illustration shows The **“International” Sanitary Hover** at a time when temperature is being taken. Notice how easily the thermometer can be read. The thermometers are selected instruments, the glass parts being protected by a turned wood handle.

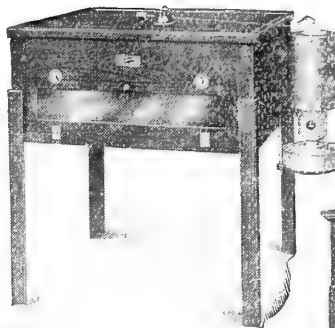
50-Egg “Peepy Gem” Incubator. Hot water machine. A wonderful little hatcher for the price. Complete with nursery, thermometer, egg tester, etc., \$6.00.

Banta & Bender Adaptable Hover. For 100 chicks. Price, \$6.50.



Reading the Thermometer.

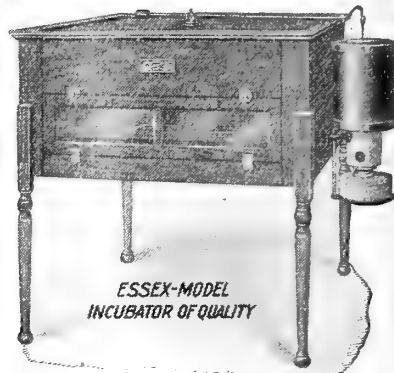
“ESSEX-MODEL” INCUBATORS AND BROODERS.



“Essex-Model” C.

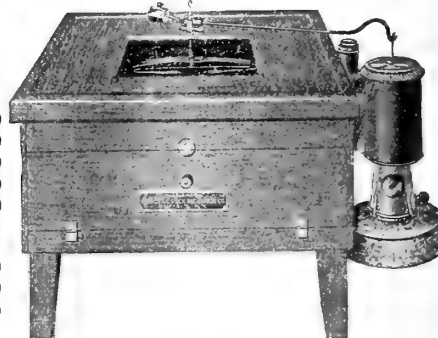
Middle-Price Mission Finish “Essex-Model Incubator” complete with lamp, thermometer, and egg tester—no extras to buy. Finished in the latest superior **“mission”** style. Self-adjusting lamp support and **Essex-Corrugated Thermostat** (Patented).

“Essex-Model” C Middle-Price Incubator. Unite in the highest degree strength, durability, finish and hatchability. If you would like more information, please write for the big annual Catalogue.



ESSEX-MODEL INCUBATOR OF QUALITY

“Essex-Model” Standard No. 2.



“New Homestead” Incubator.

Prices of “Essex-Model” Incubators.

STANDARD:

No. 0, 100 Eggs...	\$18.00
No. 1, 175 “ ...	23.00
No. 2, 275 “ ...	32.00
No. 3, 410 “ ...	37.00
No. 4 324 Duck Eggs.	40.00

MIDDLE PRICE:

No. A, 70 Eggs..	\$11.00
No. B, 120 “ ..	14.00
No. C, 200 “ ..	20.00

NEW HOMESTEAD:

70 Eggs.....	\$ 8.50
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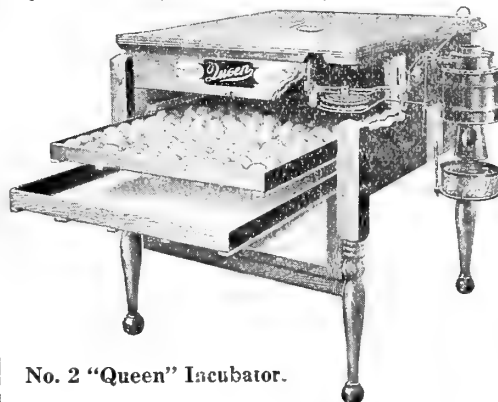
Prices of “Essex-Model” Brooders.

Style A, 100 Chick	\$12.50
“ C, 150 “ ..	18.00
“New Homestead”	
100 Chick.....	6.50



“Essex-Model” Style A Brooder.

The **“Queen” Incubator**. Latest hot-water machine made. Complete with book of instructions telling how to set up and run the **“Queen”** for big results. A large amount of information useful to chicken raisers. Descriptive catalogue on application.



No. 2 “Queen” Incubator.

PRICES:

No. 1, 60 to 70 Eggs,	\$10.00.
No. 2, 110 to 130 Eggs,	\$14.00.
No. 3, 160 to 180 Eggs,	\$18.00.
No. 4, 220 to 240 Eggs,	\$20.00.
No. 5, 340 to 360 Eggs,	\$24.00.

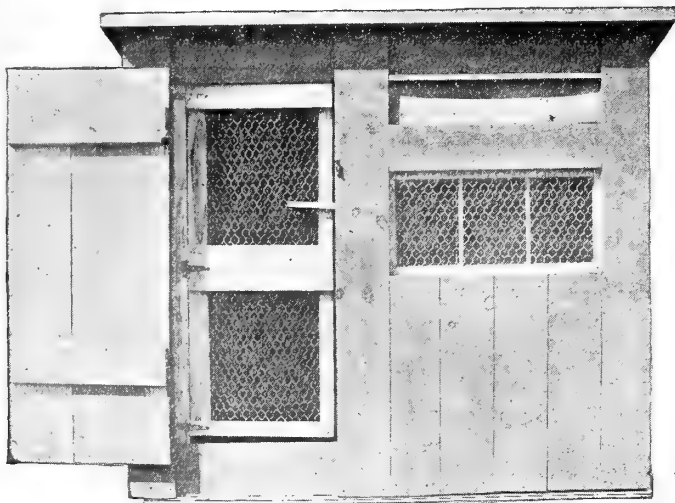


"Regal" Oats Sprouter.
 Dry mash before your fowls and a liberal supply of fresh succulent green food will not only make hens lay, but will act as a tonic and stimulative influence on the digestive organs. Eggs in the winter months are worth money—then why not supply your fowls with a liberal supply of green food? The value of this machine can only be appreciated after you have tested it out. No wood is used in its construction, to warp and fall to pieces after a few days' use. Made from the best grade of Galv. Steel. Double walled with heat flues running the full length inside. Every drop of moisture and drip goes direct into drip pan. This is one of our special features. Another important feature is the taking in of warm, fresh air not supplied by other makes. If

directions are followed, there will be no moulding or souring of grain. Heat, an abundance of moisture or vapor in connection with a liberal supply of fresh air are the essential features required to sprout oats. Do your part and this machine will make sprouts several inches high in as many days. Absolutely safe and a piece of furniture that will look good in any kitchen. Made to give satisfaction.

	Price. Fowls.
No. 1, 15 x 29, 3 trays and soaking tray	\$6.00 50
No. 2, 16 x 32, 4 trays and soaking tray	9.00 100
No. 3, 20 x 22 x 38, 5 trays and soaking tray	12.00 300
No. 4, 24 x 24 x 46, 7 trays and soaking tray	16.00 500

Hohnbach Process Automatic Grain Sprouter. 50-hen size. Price, \$4.00.



The M. & S. Portable Colony Poultry House.

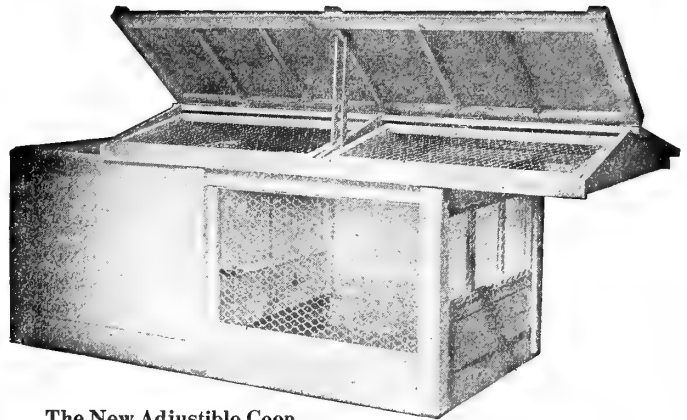
It is made of 7-8 inch pine, matched, and planed on both sides. Has an outside board door for protection in cold weather and wire screen door for summer; also a window hung on hinges, with wire netting to keep the birds in when the window is open. There is an opening over the window covered with cloth to let in air. Has roof dropping board and two nests. The roof is covered with patent roofing paper. The house is made in five sections, put together with 16 screws. Is six feet four inches high on front, and five feet high on back. Weight of coop, K. D., 350 pounds.

Price of house complete, painted two coats of lead and oil, as follows: 6 ft. wide, 4 ft. deep, \$17.50; 6 ft. wide, 6 ft. deep, \$22.50; 6 ft. wide, 8 ft. deep, \$27.50.



The M. & S. Winter and Summer Breeding Coop.

For breeding stock, layers, young, half-grown fowls, and for surplus cockerels, chickens, etc. The coop is three feet wide by six feet long and is 27 inches deep. It has a floor in one end to keep the litter dry; a sash with three lights, 9 x 12 inch glass, in front to let in sunlight; a sliding frame covered with oiled muslin and wire netting is used at the upper edge of the coop, and an adjustable roof covers the top to keep out rain and snow. Each coop is supplied with portable roost, tray and laying nest. Price, painted, complete, \$11.00.



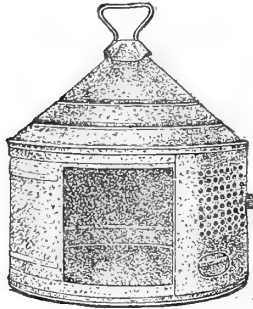
The New Adjustable Coop.

The "Philo" System Coop. As time and space will not allow us to go into details, we suggest to our customers to let us send them interesting and instructive books on "Philo" System Goods. Prices are f. o. b. Baltimore net cash.

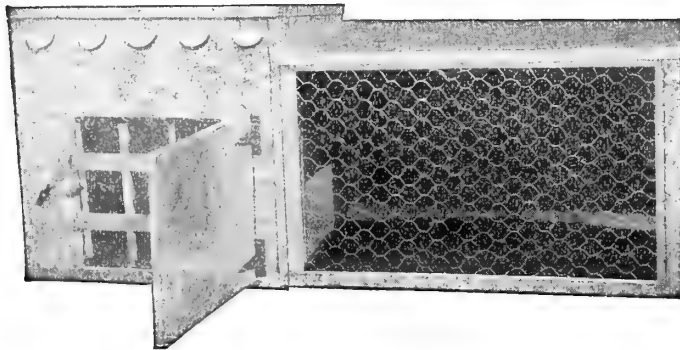
BROODER COOPS—Complete.	
One	\$8.50
Six, each	\$8.00
ECONOMY COOPS—Complete.	
One	\$10.50
Six, each	\$10.00
WINTER COLONY COOPS—Complete.	
One	\$21.50
Two	\$42.00
Four	\$80.00
SUMMER COLONY COOPS—Complete.	
One	\$14.00
Two	\$27.50
Four	\$52.50
ADJUSTABLE COOPS—Complete.	
One	\$12.50
Four, each	\$12.00
NEW "PHILO" UTILITY COOP.	
For use in the South	\$37.50
For use in the North	\$43.00

The new Philo System of poultry keeping is without doubt one of the most successful ways of keeping poultry, and failure in the business need never be met with where the entire plan is adopted. Eggs produced and incubated under the new plan must produce strong chickens as surely as the chestnut burr is opened by the frost to let the nut drop to the ground for reproduction. Nature compels the chick to grow and develop into a healthy, vigorous specimen, and the pullets, when matured, must lay, and do so because they cannot help it.

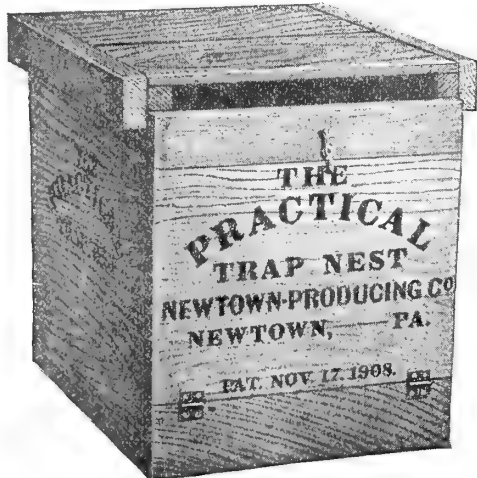
The "Standard" Brood Coop. For hen with chicks. Is rain proof, rat proof, vermin proof, and an absolutely safe and sanitary home. Of first importance to the raising of little chickens is a properly ventilated coop, consequently this matter was given the closest attention. Around the bottom of the "Standard" Coop we have turned out small openings similar to the ventilations on automobile hoods. Price, \$2.00; ½ doz., \$10.00. Send for circular.



The Rich Brood Coop. This coop is made out of galvanized iron. It will not draw dampness, nor will lice live in a metal coop. The bottom is removable and the coop can be scrubbed out whenever necessary. Being round it is impossible for the old hen to crowd the chickens in the corner and smother them to death, the fault of all square coops. Price, \$2.00.



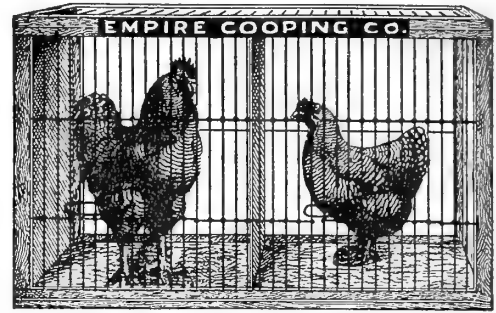
Banta Metal Coop and Run. For hen with chicks. All galvanized iron; can be taken apart and folded up. Size, 18 in. wide, 42 in. long, 18 in. high. Price, complete, \$3.00.



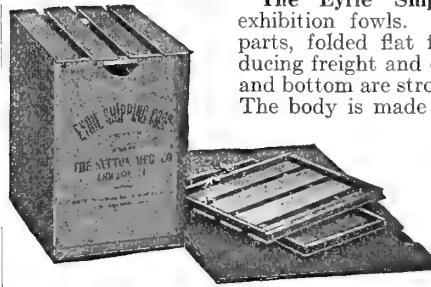
The "Practical" Trap Nest. Weed out the hens that don't lay. Don't feed drones—they are unprofitable. Your order for one or more "Practical" Trap Nests will receive our prompt attention.

Prices—shipped, crated and ready for use:

One Complete Single Nest, 14x18x15 in.	\$1.00
One Complete Set of 2 Nests, 27x18x15 in.	1.80
One Complete Set of 3 Nests, 40x18x15 in.	2.50
One Complete Set of 4 Nests, 53x18x15 in.	3.20
One Complete Set of 5 Nests, 67x18x15 in.	3.90



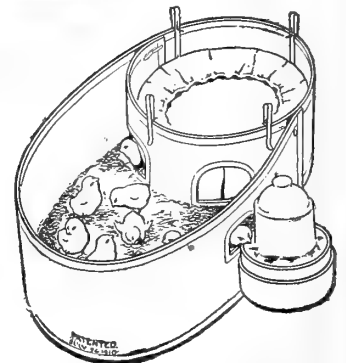
Poultry Exhibition Training Coops. Three compartments, \$5.75.
Pigeon Exhibition and Mating Coops.
Cat, Cavy and Belgian Hare Exhibition Coops.
 Prices and catalogue furnished on application.
All-Wood "Empire" Shipping Coops. Single, 75c.; trio, 85c.; pen, \$1.00. All 10c. extra if set up.



The "Eyrie" Shipping Coop. For shipping exhibition fowls. It is delivered in three parts, folded flat for shipment, greatly reducing freight and express charges. The top and bottom are strongly constructed of wood. The body is made from extra heavy Corrugated Fibre Board, protecting fowls from heat, cold and draughts.

Single, 12x18x22, 50c. each, \$4.00 dozen; trio, 20x22x22, 60c. each, \$6.00 dozen; pen, 20x24x22, 75c. each, \$7.00 dozen.

The "Lullaby" Brooder is positively the most simple brooder on the market and yet it is built on lines true to nature which insures the raising of nearly every chick entrusted to its care. Capacity, 25 chicks. Price, complete, \$1.00.



The "Lullaby" Brooder.

The H. & D. Fireless Brooder. Made of corrugated jute board. The hover itself is adjustable, fitting itself automatically to the young chicks; the hover strips are made of non-ravelling felt, the latter being quite necessary to prevent young chicks picking and eating the ravellings. Price, complete, \$2.00.



"Philo" Cycle Hatcher is designed to take the place of the hen and the large, clumsy incubators, and to carry out the development of the embryo chick in the egg to a living, healthy bird by a device approaching nearer to the stage of perfection in construction, operation and control of the moisture than anything on the market to date. Send for special catalogue on "Philo" goods.

"PHILO" GALVANIZED IRON BROODER:

One large size, \$2.50	One medium size, \$2.00	One small size, \$1.50
Two " " 4.75	Two " " 3.75	Two " " 2.75
Four " " 9.25	Four " " 7.25	Four " " 5.25

Set of three Galvanized Iron Brooders, one of each size, \$5.00

"PHILO" EDUCATOR BROODERS—Complete.

One.....\$5.00	Two.....\$9.50	Four.....\$18.00
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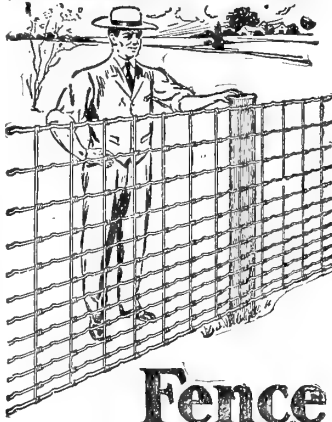
CYCLE HATCHERS—Complete with Lamp, Thermometer, etc.

One.....\$6.00	Two.....\$11.50	Four.....\$22.00
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BROODER-HATCHERS—Complete with Lamp, Thermometer, etc.

One.....\$8.00	Two.....\$15.00	Four.....\$28.00
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American



The "American" Farm Fence is made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put upon it. Does not scar or injure stock. Sold in 10 and 20 rod rolls.

High.	Stays.	Strands.	Per Rod.
26 in.	6 in.	7 in.	30c.
32 in.	6 in.	8 in.	35c.
26 in.	12 in.	7 in.	24c.
32 in.	12 in.	8 in.	27c.
49 in.	12 in.	9 in.	34c.

Send for special descriptive catalogue.

Gates. Prices on application.

Fence

21 BARS	58 INCH
20 BARS	53 INCH
19 BARS	48 INCH
18 BARS	43 INCH
16 BARS	35 INCH
13 BARS	24 INCH

The "New American" Poultry and Rabbit Fence. For poultry, yards, gardens, orchards and yards, it is a great favorite. Price, 48 in., \$4.00; 53 in., \$4.25; 58 in., \$4.50; in 10-rod rolls.

Two-Inch Diamond Mesh Poultry Netting. Put up in rolls of 150 feet. Galvanized after weaving:

12 in.	150 sq. ft.	Price, \$.75
24 in.	300 sq. ft.	Price, 1.50
36 in.	450 sq. ft.	Price, 2.00
48 in.	600 sq. ft.	Price, 2.50
60 in.	750 sq. ft.	Price, 3.25
72 in.	900 sq. ft.	Price, 3.75

No. 19 wire 10 per cent. higher than above prices. Galvanized before, 5 per cent. less.

Two-Inch Mesh, 1c. per square foot in less than roll lots.

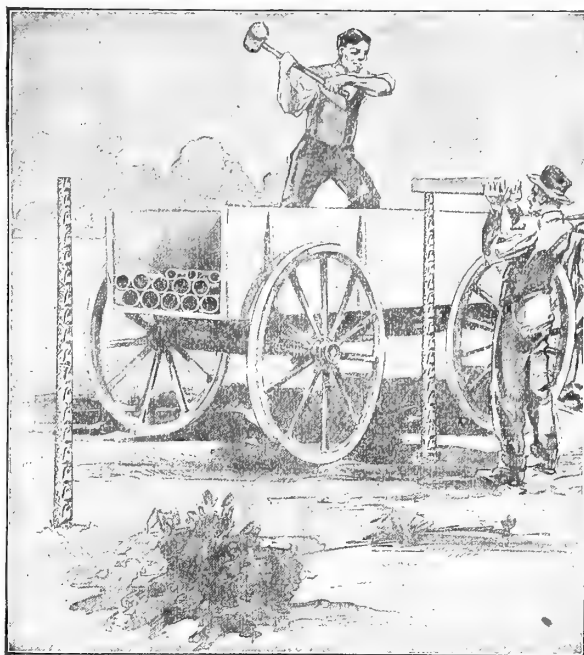
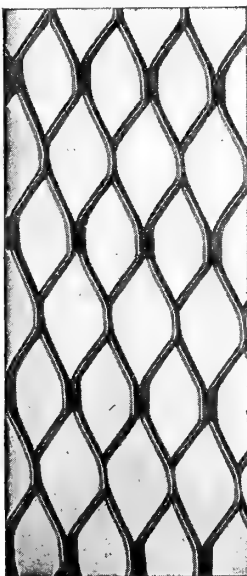
One-inch Mesh. Galvanized after weaving:

12 in.	150 sq. ft.	Price, \$1.65
24 in.	300 sq. ft.	Price, 3.25
36 in.	450 sq. ft.	Price, 4.75
48 in.	600 sq. ft.	Price, 6.25
60 in.	750 sq. ft.	Price, 7.75
72 in.	900 sq. ft.	Price, 9.25

One-Inch Mesh, 2½c. per square foot in less than rolls lots.

Poultry Wire Staples. Lb., 10c.

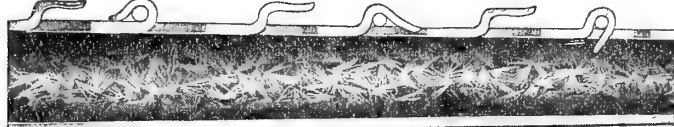
Townsend Wire Stretcher. Price, 75c.



Driving "American" Steel Posts.

"American" Steel Posts for Poultry Yards. A 6-foot fence is high enough for the ordinary poultry fence. Putting the posts 2 feet in the ground, this is accomplished by using 8-foot posts. However, for a better job use the 9-foot posts; in which case the fence can be made 6½ feet high if desired. By the use of "American" Steel Posts about the poultry yard sanitary conditions are secured and the poultry is safe from the common pest breeder, the old wood post.

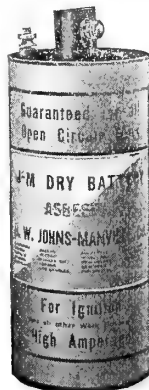
No. 16 Line Post	5 ft.	5½ lbs.	Price, 30c.
No. 16 Line Post	6½ ft.	7 lbs.	Price, 35c.
No. 16 Line Post	7 ft.	8 lbs.	Price, 40c.
No. 16 Line Post	7½ ft.	8½ lbs.	Price, 45c.
No. 16 Line Post	8 ft.	9½ lbs.	Price, 50c.
No. 16 Line Post	9 ft.	11 lbs.	Price, 55c.



"American" Steel Fence Post.

Barbed, Ribbon, Plain and other Wires. Prices on application.

Barbed Wire Staples. Price, 5c. per pound.



"Regal" Roofing. The roofing with life. Will not crack, dry cut, rust or rot in any climate. It is made from genuine Trinidad Lake Asphalt, which is standard all over the world. It is the most durable for roofing because its water-proofing oils are least affected by the elements. It does not oxidize from exposure to the air. It does not volatilize or evaporate from the heat of the sun. Extreme cold doesn't take the life out of it.

1-ply, guaranteed 5 years, \$1.75
 2-ply, guaranteed 7 years, 2.00
 3-ply, guaranteed 10 years, 2.25
 Sample mailed on request



J-M Dry Cell Batteries. Strong and lasting, for ignition work in automobiles, motor boats, gas and gasoline engines, motors, small lights, bells, etc., 25c. each.

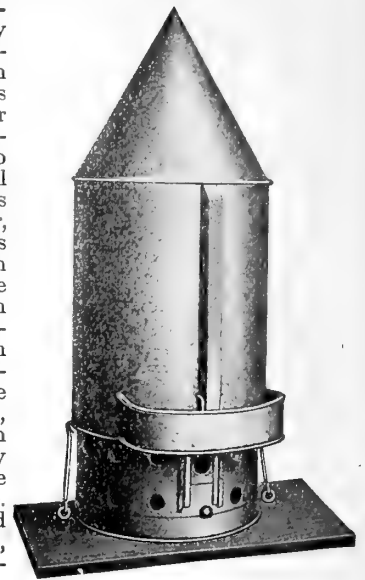


The Norwich Automatic Exerciser and Feeder, as its name implies, is an ingenious automatic machine for feeding and exercising poultry, and has, by force of its own merits in the short years of its existence, established itself as the standard method of feeding in poultry culture. Thousands upon thousands of the machines have been placed on the market of nearly every civilized country in the world, and the Feeder is heartily endorsed and recommended by about all the leading and noted poultrymen of the country. The machine consists of a Hopper of sufficient size to carry a week's supply of grain for flocks of corresponding numbers, and is fitted with an adjustable valve for regulating the feed. Working in conjunction with an agitator disc the feeder is operated by the birds rotating the bait bar, and the grain escaping from the hopper rattles down the deflector, is scattered on the floor or in the litter in a wide even circle, and the birds kept constantly at work and in motion while feeding. A prong or tooth of the agitator disc instantly checks the flow of feed and the grain is only delivered when the bait bar is operated by the poultry, and in such quantities as the valve is set to discharge per revolution. Mounted on adjustable iron legs, the feeder may be placed anywhere in the house, yard, pen, or on free range, and is operated alike by baby chicks fresh from the incubator or the adult fowl. By its use, the element of waste is completely and absolutely eliminated. Every grain of feed placed in the hopper goes into the flock and the saving thus effected is approximately 20%, while the labor and care of feeding is reduced to simply filling the hopper when empty. Necessitating slow feeding and exercise, each member of the flock is alert and bright, must work for its living, and is fed exactly the same. The effect of this method of feeding on the condition of the birds and the consequent egg production of the plant is most remarkable and at once apparent in the almost perfect uniformity of the flock. The machine is absolutely rat and bird proof, delivers fresh clean grain only and thus contributes in no small measure to the health and betterment of poultry culture wherever used. The Norwich Automatic Exerciser and Feeder is always sold under the following terms, which relieves the purchaser of all risks in testing our machines:

GUARANTEE. Fill the hopper with any dry grain feed, or any mixture of dry grain feed, and the revolving bait bar with cracked corn. Stand the Norwich Automatic Exerciser and Feeder anywhere in the yard, pen or house, and put any kind of litter under machine. Adjust valve to feed desired quantity. Adjust legs for required height. Use for thirty days. At the expiration of that time, if you do not see a marked improvement in your flock, if your egg production is not increased, and if you are not absolutely satisfied with the machine in every respect, or find one objectionable feature, return it at our expense and we will at once refund your money. Larger sizes, prices on application. Discount on quantities. Send for full descriptive printed matter.

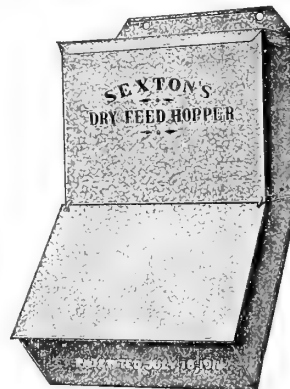
No. 1,	8-qt. Hopper,	13 lbs.,	Price, \$2.50
No. 2,	14-qt. Hopper,	15 lbs.,	Price, 3.25
No. 3,	20-qt. Hopper,	20 lbs.,	Price, 4.10
No. 4,	32-qt. Hopper,	27 lbs.,	Price, 5.00

The Norwich Automatic Air-Lock Fountain. How to supply water to the poultry house during the winter months has been one of the problems which has confronted the poultrymen for years, for there is perhaps nothing more discouraging than to fill the drinking vessels, with all the accompanying discomforts of carrying water in cold weather, and then have the fountains freeze almost before we finish the task; and it has been the experience of many poultrymen that their birds have been without water for most of the day in consequence. A number of devices have been placed on the market to accomplish the result, but all have failed for one reason or another, or have of necessity been sold at a price that has made their general use prohibitive. Send for full descriptive printed matter. Made in one size only, 5 gallons capacity. Price, complete, with Burner Base, \$2.50; without Burner Base, \$1.75.

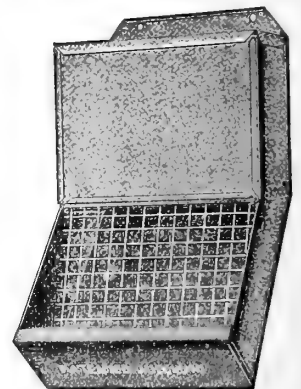


If used in connection with our Norwich Exerciser and Feeder, a flock of poultry will automatically care for itself with no other attention from the owner than the cleaning of the coop and filling the Feeder Hopper and Reservoir when empty. By the use of these two wonderful machines, delivering, as they do, absolutely clean, fresh grain, and pure iron water, sickness in the flock will be practically unknown, and the increased and regular egg production will at once be apparent, while the costs of feeding will be reduced over 20%, and your yard will be free of rats and sparrows.

Norwich Automatic Drinking Fountain. To be attached to lard or butter tub. Price, \$1.00.

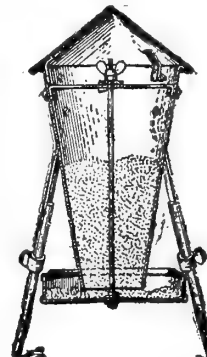


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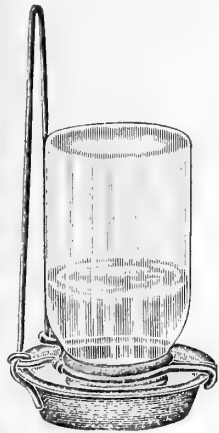
Sexton's Dry Feed Hopper. Easy to fill and no waste. Proven to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust proof. No. 1, poultry size, \$1.00 each; No. 2, chicken size, 90c. each.



The Jersey Dry Food Hopper is used for feeding soft food, such as bran, middlings, "Lay or Bust," etc. Fowls cannot get into it to scratch, and there is nothing about it to get out of order. The three largest sizes have adjustable legs with which hopper can be raised 15 in. above the floor. Small hopper for chicks not adjustable. If raising pigeons for pleasure or profit you need a Jersey Hopper. It saves time, and the pigeons are always well fed. Feed cannot foul; this means no sour crop, healthier pigeons and fatter squabs. Rat and mouse proof.

No. 1,	14 qt.	\$2.50	No. 3,	5 qt.	\$1.50
No. 2,	8 qt.	2.00	No. 4,	5 pt.	.90

The "All-Rite" Sanitary Fountain and Feeder. Clean, pure water is life to the chicks. Foul, dirty or stale water is sure death. Which are your chicks getting? Which would you rather have them drink? The "All-Rite" is hung up out of the dirt and litter. Chicks cannot possibly foul it, they cannot get into it to get wet, they cannot get any dirt into it. 1 qt. size, 15c.; 2 qt. size, 20c.



"Keystone" Fountains. For watering of poultry or pets. Best and cheapest. Hangs above floor or ground so that water is always clean. Made of heavy material and galvanized. Superior workmanship. Most practical fountain that has ever been offered. Is easy to clean; easy to fill; freezing cannot injure them; pan hinged to tank. 1 qt. size, 25c.; 1 gal. size, 50c.



The "Ideal" Non-Freezing Fountain. This fountain is all that its name implies. For Winter use, water can be kept any temperature desired in zero weather. Well made and safe and in much demand. For Summer use remove the top. Made in 2-gal. size. Price, \$1.50.

Mason Jar Fount. Can be used in connection with any size of Mason jar. Will not rust. The use of this fount will mean pure water and good chicks. Price, 15c.

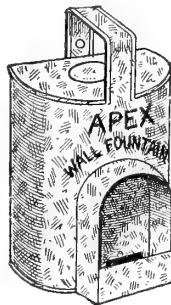


"Apex" Special Fountain. Made partly cone shape, with flat top. Can be easily cleansed, and set on end for filling. Made of heavy galvanized iron in four sizes. One, two, four and eight quarts. Price, 20c., 25c., 35c., and 50c.

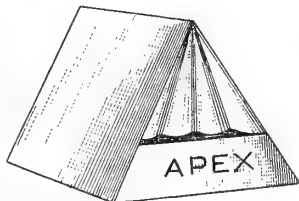


"Apex" Wall Fountain. It is made with a flattened back so that it can be hung on the wall or a post at any desired height. Used for chicks or

"Apex" Standard Fountain. From a sanitary standpoint, this is one of the fountains easiest to be kept clean. In two parts (the top or body, and the pan) of heavy galvanized iron. Most largely used fountain on the market. Small sizes can be used in brooders. Made in four sizes: one, two, four and eight quarts. Price, 20c., 25c., 35c., 50c.



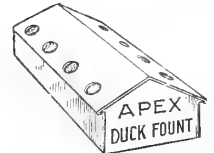
"Apex" Expansion Front Fountain. Its shape, that of a triangle, adds strength, provides a solid base and makes it impossible for fowls to upset it. Made in one solid piece, there are no parts to be lost. The receding expansion front prevents bursting, even if frozen solid. Absolutely prevents fouling. One, three, five and ten qt. size. Prices, 35c., 50c., 75c., and 90c.



"Peerless" Drinking Fountain keeps the water clean and pure. 1 qt., 30c.; 6 qt., 60c.; 10 qt., 85c. 6 qt. size with a heater to keep water from freezing, \$1.50. Heater alone, \$1.00.



"Apex" Duck Fountain. This fountain has been constructed along the lines of the "Apex" feeders, without, however, having the "Apex" bottom. The duck can readily drink but can not get the bill into the water far enough to "wallow." Two sizes, 2 qts., 50c.; and 4 qts., 75c.



Earthenware Water Fountain. Pt., 15c.; qt., 25c.; 2 qt., 35c.; 4 qt., 45c.; 8 qt., 60c.



"Overall" Feeder. Made of earthenware. Peck size, 50c.; 6 qt., 40c.; 2 qt., 30c.; 1 qt., 15c.

"Overall" Water Jug. Small size, 30c., large size, 40c.



Clay Pigeon Nest. 15c.; \$1.50 doz.



"Apex" Feed Pan. Long and shallow, for fowls. Made in one size: 6 by 18 in. and 2 1/2 in. deep, capacity about 5 qts.; 35c.

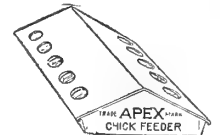
"Apex" Feed Pans. Made of galvanized iron, strongly wired. Almost indestructible. Shallow for chicks. Made in two sizes: No. 1, 6x7 in. and 1 in. deep, capacity about 1 qt.; 15c. No. 2, 7 1/2 x 8 1/2 in. and 1 1/2 in. deep, capacity about 1 1/2 qt.; 20c.

"Apex" Wall Feed Pan. It can be hung high or low out of the way. Easy to clean. Can be used for feed, grit, etc. Price, 35c.



"Apex" Single Feeders. Are made with hinged top, provided with small rings to hang on wall, if desired. Made in four sizes of three, six, nine and twelve holes. Price, 25c., 35c., 50c. and 75c.

"Apex" Double Feeders. Are made with the readily removable patent slip top. Chicks can feed from both sides. Made in three sizes of six, ten and fourteen holes. Price, 35c., 50c. and 75c.



"Apex" Pigeon Bath Pan. These are of best quality galvanized iron, riveted corners, wired with heavy wire, will not rust, and with ordinary care should last for years. Sizes: 18 in. square, 4 in. deep, capacity about 5 gal. \$1.00.



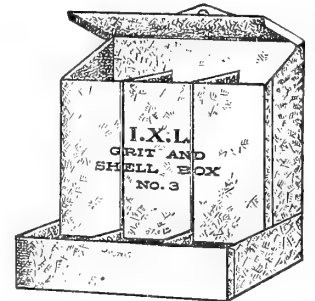
"I. X. L." Grit and Shell Box. Is made with three compartments (see illustration), each holding about one and one-half quarts. The grit, shell and charcoal are kept entirely separated and will not be wasted by the fowls; will not clog. Price, 50c.

Atsatt Chick Feeder. Very serviceable; galvanized iron; protected top to keep chicks out. Price, 25c.

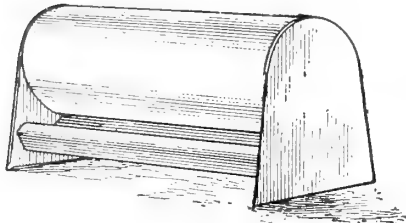
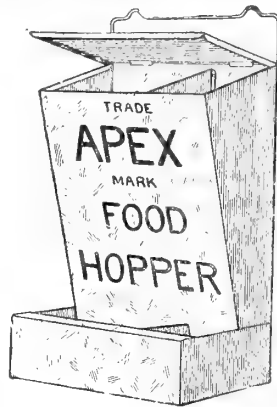
Atsatt Poultry Feeder. 50c.

Large Feed Saver. Galvanized pan, with wood enclosure, 36 in. long, \$1.00; small size, 20 in. long, 75c.

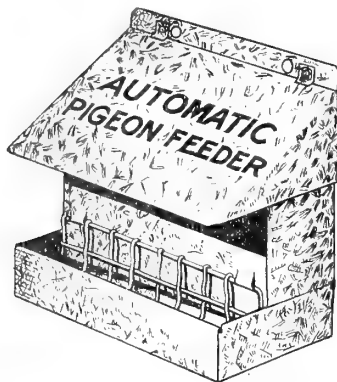
Feed Cups for Exhibition and Training Cages. Large size, 20c. each, \$1.75 doz.; small size, 15c. each, \$1.50 doz.



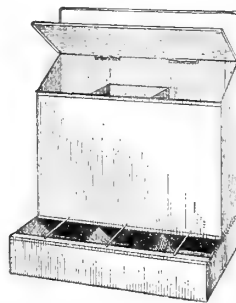
The "Apex" Food Hoppers have two compartments (see illustration), the division being so made as to give about the proper proportion for feeding a combination of dry mash, meat and bone. 8 qt., 75c.; 14 qt., \$1.00.



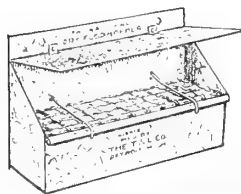
"Hub" Chick Feeder. 9 in., 35c.; 15 in., 50c.



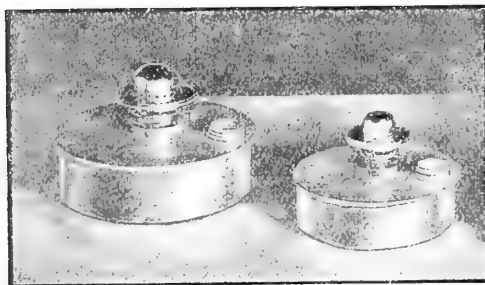
Automatic Pigeon Feeder. We have worked hard to put a pigeon feeder on the market that would eliminate all waste and still feed freely. The Automatic Feeder does this to perfection. Dandy for chick feeding also. No. 1, 75c.



"1-2-3" Poultry Feeder. For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator; for two kinds put separator in one end; three kinds, say scraps, shells, and grit, put separator in middle, and you have three separate feeders. Price, 75c.; small size, 50c.



The "Quality" Dry Food Hopper. Sells itself. The latest and best hopper on the market. Practically in a class by itself for feeding half-grown and old stock. Tested out thoroughly under all conditions. No clogging. Can be closed at nights or any part of the day. Feeds anything with no waste whatever. No. 1, 12 in. long, 75c.; No. 2, 18 in. long, \$1.00.



Incubator and Brooder Lamps. Made of galvanized steel. With proper care will last for years. Large size, holding 2 qts. of oil, with No. 3 burner, complete, with metal chimneys, 90c. Small size holds 1 qt. of oil, with No. 1 or No. 2 burner, complete, 75c.

Galvanized Iron Chimneys. For incubators and brooders. 15c.

"Zero" Brooder Stove. For person's making their own brooder. All complete, \$1.25.

LEG BANDS.

Mark each hen so you know where she belongs at a glance. Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab.

- Table of sizes of bands for different breeds. Order by number.
 No. 1. Bantams and small Mediterranean females, etc.
 No. 2. Ordinary Mediterranean and pit game females, etc.
 No. 3. Mediterranean males, American females, pit game males, and French females.
 No. 4. American males, medium Asiatic females, turkey hens, etc.
 No. 5. Ordinary large Asiatics and tom turks, etc.

"Smith Sealed" Bands. If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices doz., 30c.; 25, 50c.; 60, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1000, \$12.50. Postpaid.



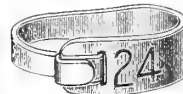
Made in sizes as table above.



Sealers. Plain, 50c.; lettered jaw, 60c.; nicked plated, 65c.; lettered jaw, 75c.



"Double Clinch" Leg Bands. Made in exactly the same sizes as the table above shows. Designed and manufactured to fill the demand for a strictly reliable open or removable band. Fastens with two clinches leaving absolutely no exposed corners, ends or loops to come loose. Price, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Postpaid.



"Leader" Adjustable Leg Bands. Latest and best adjustable leg band out. Has neatest, most compact and smoothest fastening of any adjustable band on the market. Easily attached, absolutely secure and has no catching points. Are made of heavy aluminum and are strong and substantial and will hold their shape much better than bands made from thin flimsy stock. Two sizes: No. 1 small, and No. 2 large. Prices, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Postpaid.



"Champion" Leg Bands. Adjustable. In two sizes: large for American, small for Mediterranean breed. Price, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Postpaid.

"Climax" Leg Bands. The original "Spring" wire and clasp band. Prices, doz., 15c.; 25, 30c.; 50, 45c.; 100, 75c.; 250, \$1.75; 500, \$3.25; 1000, \$6.00. Made in sizes as table above.



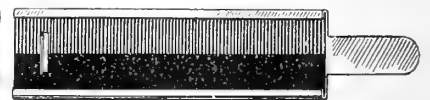
Seamless Pigeon Bands. Made in three sizes. Prices, doz., 30c.; 25, 50c.; 100, \$1.50.



Open Chick or Pigeon Bands. Price, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.

"Spir-O-I" Leg Bands. Black, white, blue, pink, amber and ruby made of celluloid. On and off like a key ring. Three sizes: Mediterranean, American and Asiatic. Price, doz., 25c.; 25, 50c.; 50, 85c.; 100, \$1.50.

Baby chick size, 20c. doz.; 25, 35c.; 50, 60c.; 100, \$1.00.



"Coloroid" Pigeon and Poultry Bands. The latest production in colored bands. Two colors on each band. All sizes, all colors. Poultry bands only, number from 1 to 100. Price, doz., 25c.; 25, 50c.; 50, 85c.; 100, \$1.50.

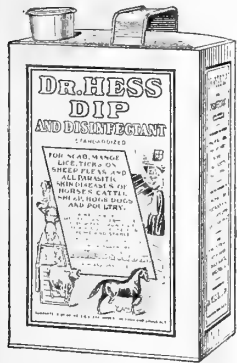
"Coloroid" Challenge Bands. We number these bands in any way you wish, in as many colors as you like, so long as the numbers do not run above 100. Black numbers on white background. Made in the following 12 colors, in 3 sizes, numbers running from 1 to 100. Red, blue, light green, pink, black, white, orange, dark green, yellow, brown, gray, purple. Prices, doz., 35c.; 25, 70c.; 50, \$1.25; 100, \$2.00.



Dr. Hess Roup Remedy. For the treatment and prevention of Roup, Diphtheria and all Catarrhal diseases of fowls. We claim for Dr. Hess Roup Remedy some distinctive features peculiar to itself. It is an oily preparation, having antiseptic, emollient or healing properties, and is non-irritating to the affected mucous membranes of the respiratory organs and intestines. 4 oz. can, 25c.



Dr. Hess Instant Louse Killer. It is a powder put up in round cans with perforated tops, and can be conveniently dusted on setting hens, nests, roosts and about the poultry house. It is also a disinfectant and deodorizer, therefore, destroys the germs of disease and keeps poultry houses healthy. 1 lb. can, 25c.




Dr. Hess Dip and Disinfectant. The best and cheapest disinfectant known. One part to 100 parts of water sprinkled around the cow stable, chicken yard, hen house and in sinks, drains, etc., kills the germs of disease and destroys odors. Guaranteed. 1 qt. can, 50c.

Dr. Hess Poultry Pan-a-ce-a is not only a positive and guaranteed cure for gapes, cholera, roup, indigestion and the like, but is also a preventive of many other poultry ills.



It is a tonic to the young, making them grow fast, healthy and strong. Make a test of Poultry Pan-a-ce-a. Divide your hens, and feed one lot of Poultry Pan-a-ce-a. If they do not lay more eggs, bring back the empty package and your money will be refunded. 1 1/2 lb. pkg., 25c.; 5 lb. pkg., 50c.; 25 lb. pail, \$2.50.



KNOX
LICE
EXPPELLING
NEST EGG

A Scientific Triumph!
LICE KILLER and NEST EGGS

—COMBINED IN ONE—

Effective Lasting Not Expensive

Superior to any other in Form, Size, Appearance and every way.

They look exactly like natural Plymouth Rock eggs and are excellent for laying hens.

Each, 5c.; doz., 50c.; Special price on large quantities.

Opal Nest Egg. Each, 3c.; 2 for 5c.; doz., 25c. Special price on quantities.

Bisque Nest Egg. A very good imitation. Each, 5c.; 3 for 10c.; doz., 35c.

Wire Nests made good and strong. Each, 15c.; 2 for 25c.; doz., \$1.50.

X-Ray Egg Tester. Each, 25c.

Sulphur Fumigating Candles. Each, 10c.

Vermin Proof Roost Support. Pair, 25c.

Blue Flame Gas Burner for Incubators. Each, 85c.



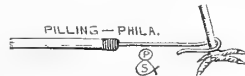
X-Ray Egg Tester.

Philadelphia Poultry Marker. Large and small. Price, 25c. each.

Poultry Marker. In shape of pliers. Price, 25c.



Pilling Fowl Catcher. Price, 20c.



Incubator Wicks. State sizes wanted. 2 for 5c.; doz., 25c.

Brooder Wicks. State sizes wanted. 2 for 5c.; doz., 25c.

Incubator Lamp Burners. For "Mandy Lee" Cyphers, Essex, Prairie State and other makes. Large size, 40c.; small size, 30c.

Brooder Lamp Burners. For various makes. Price, 40c.

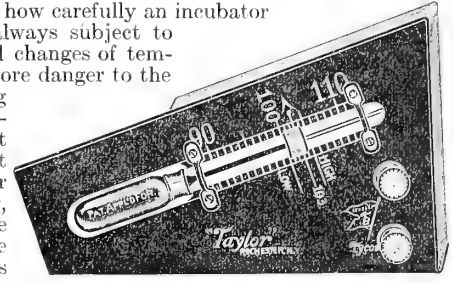
"Zenith" Chimneyless Brooder Lamp Burner. Price, 40c.

Felt. For Incubator Diaphragms and Brooders. Price, 30c. a square yard.

We carry various other Brooder and Incubator Repairs.

"Tycos" Electric Alarm Incubator Thermometer.

No. 5784. No matter how carefully an incubator may be built, it is always subject to outside conditions and changes of temperature. There is more danger to the hatch from overheating than from low temperature. To guard against this danger we present the "Tycos" Incubator Alarm Thermometer, which rings a bell the instant the temperature in the incubator rises above 103° F. Simply and strongly made; easily installed by anyone; full directions with each instrument. Complete with bell, battery, 10 feet of wiring, etc., ready to attach to any incubator. Each, \$5.00.



"Tycos" Incubator Thermometer. No. 5770. Many poultry raisers prefer the standing type of incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Each, 75c.

"Tycos" Incubator Thermometer. No. 5782. Most popular. Suitable for any incubator. Price, 75c.

"Tycos" Brooder Thermometer. No. 5790. (See illustration.) Mounted. Price, 50c.

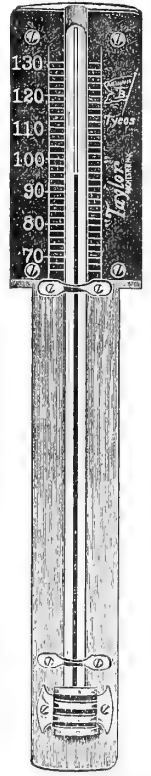
"Tycos" Brooder Thermometer. Unmounted. Price, 40c.

"Tycos" Incubator Hygrometer. No. 5796. Price, \$1.50. Extra wicks, 10c. each.

"Mandy Lee" Incubator Thermometer. Price, 75c.

"Mandy Lee" Incubator Hygrometer. Price, \$2.00. Extra wicks, 5c. each.

"International" Hover Thermometer. Price, 60c.



Brooder Thermometer



Philadelphia Carbonizing Set, in plain box... \$2.50

" " " in velvet-lined box... 2.75

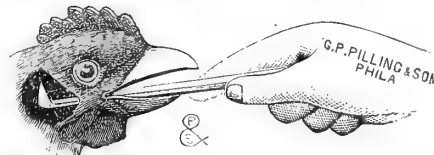
Pilling-Farmer, in velvet-lined box... 3.00

Pilling-Special, in velvet-lined box... 4.00

Pilling-Twinning, in velvet-lined box... 4.00

Pilling-Miles, in velvet-lined box... 7.50

Gape Worm Extractors. Price, 25c. each.

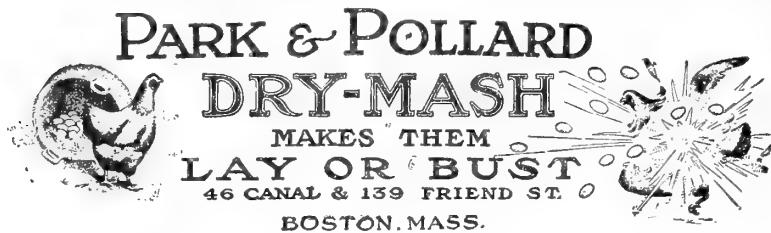


Angular Killing Knives. Price, 50c. each.



French Poultry Killing Knife. Price, 50c.

French Safe Edge Killing Knife. Price, 50c.



PARK & POLLARD
DRY-MASH
 MAKES THEM
LAY OR BUST
 46 CANAL & 139 FRIEND ST.
 BOSTON, MASS.

Park & Pollard Dry Mash. When we tell you our Dry-Mash makes them "Lay or Bust" every time, at all seasons of the year,—we mean what we say. It is as impossible for a healthy hen to eat our Dry-Mash and not lay, as for half a dozen women to sweep back the tide in the Baltimore Harbor. Not only does it produce eggs at a lower cost than any other feed, but it maintains the birds in better health, and does away with more than one-half the labor of caring for them. Lb., 3c.; 100 lbs., \$2.50. **Prices on Feeds subject to market changes.**

Park & Pollard Screened Scratch Feed. Our Screened Scratch Feed is compounded to balance our Dry-Mash, to round out the ration, and to provide the necessary incentive to health-giving exercise. In this feed we have compounded the best of grains, and it will be found to answer the needs of the growing stock when used after the Intermediate Chick Feed, and for laying hens when used with our Dry-Mash Feed. This mixture is so carefully blended and proportioned that no fear of overfeeding need be entertained. Scratch Feeds are usually made the dump of refuse grains that cannot be sold in the open market, and when making comparison of prices, keep in mind that every kernal of grain in our feed is sweet, and that there are no sweepings or weed seed contained. 5 lbs., 15c.; 10 lbs., 25c.; 100 lbs., \$2.00. The great 1912 Baltimore Poultry and Pigeon Show was fed with this Food.

Park & Pollard Growing Feed. Stuff your youngsters with our Growing Feed and your chickens will always be ready for the table or market and show you better returns than ever before. A pullet or well-matured cockerel represents the combination of a very small chicken, quite a large amount of feed—and some other conditions. When we stop to consider the size of a chicken when hatched, weighing as it does only about one and one-half ounces, and when matured from 90 to 200 ounces, we realize how much they must depend upon their feed to mature properly. Remember, full-fed chicks are paying chicks. As a moulting food for all old stock and a pusher for the developing pullets our Growing Feed is recognized as the best by all poultrymen who have used it. It will hasten the moulting period two weeks to a month and you will get quite a lot of eggs during the process. Lb., 3c.; 100 lbs., \$2.50.

Park & Pollard Intermediate Chick Feed. Keeping the commercial end of poultry always in mind, we manufacture the "Intermediate" Chick Feed, selling at a less price than Gritless Chick Feed. This contains the same high quality grain and seeds, but no fish. It is fed after the chicks reach three weeks of age, being fed in connection with our Growing Feed. Lb., 3c.; 100 lbs., \$2.50.

Park & Pollard Gritless Chick Feed. Our Gritless Chick Feed contains a better variety of grains and seeds, and of a higher quality than any other feed on the market, and in addition to this superior assortment of grains and seeds, it contains animal food in the form of dried shredded cod fish, supplying protein, lime and phosphorus in the right proportions, thus making a complete food which furnishes vegetable and animal food to the babies in the most digestible form, and presents it in the most appetizing manner. The fish we use being put through a special preparatory process that eliminates all the fat, it supplies the newly hatched birds at the crucial age when most needed with animal protein, without the animal fat. Lb., 3c.; 100 lbs., \$2.75.

Park & Pollard Red Ribbon Chick Feed. If you feel you cannot afford Gritless Chick Feed, try our Red Ribbon brand. This will raise more chickens than any other feed except Gritless Chick Feed. It is manufactured just as carefully as our famous Gritless Chick Feed brand, but leaving out the animal food reduces the cost, so that we can sell it at a lower price. Lb., 3c.; 100 lbs., \$2.50.

Alfalfa Meal. Lb. 3c.; 100 lbs., \$1.75.

Haywood's "Henfalfa." Dustless, short-cut, pure alfalfa, specially prepared for poultry. Cut during the growing season. When the alfalfa clover is about 14 inches high, it is then kilndried and ground. 5 lbs., 20c.; 10 lbs., 35c.; 25 lbs., at 3c.; 100 lbs., \$2.25. Grown for us in Colorado.

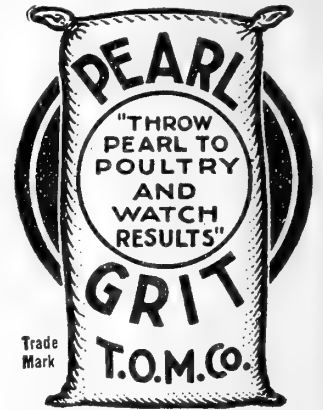
Haywood's "Chickalfa." Same article as the above, but ground up to a meal. 5 lbs., 20c.; 10 lbs., 35c.; 25 lbs. at 3c.; 100 lbs., \$2.25. Grown for us in Colorado.

Cracked Bone. Fine, Medium, Coarse. 5 lbs., 20c.; 10 lbs., 35c.; 100 lbs., \$2.50.

Pearl Grit. For more eggs and healthy fowls use Pearl Grit. It serves a double purpose, grinds, nourishes, strengthens, and makes shell. No. 1 for chicks and pigeons; No. 2, medium poultry; No. 3, large poultry, 5 lbs., 10c.; 10 lb., 15c.; 25 lbs., 25c.; 50 lbs., 40c.; 100 lbs., 75c. Special price on quantity.

"Hen-e-ta" Bone Grits. No other grit or shell is necessary to be fed with it. No. 3, Coarse; No. 2, Medium; No. 1, Fine; No. 4, Superfine. 10 lbs., 50c.; 25 lbs., \$1.00; 100 lbs., \$2.25; 500 lbs., \$9.00.

"Red Cross" Health Grit. For pigeons and poultry. 5 lbs., 15c.; 10 lbs., 25c.; 50 lbs., 90c.; 100 lbs., \$1.50.

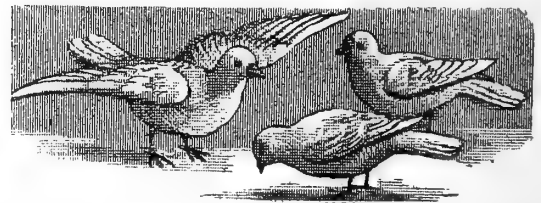


	Per lb.		Per lb.
Whole Corn	2 1/2c.	Buckwheat	3c.
Cracked Corn	2 1/2c.	Cracked Rice	5c.
Corn Chop	2 1/2c.	Hemp Seed	5c.
Wheat	2 1/2c.	Millet Seed	5c.
Oats	2 1/2c.	Vetches	5c.
Barley	2 1/2c.	Dutton Corn	5c.
Bran	2 1/2c.	Canary Seed	5c.
Middlings	2 1/2c.	Hulled Oats	5c.
Gluten Meal	4c.	German Rape	7c.
Cotton Seed Meal	4c.	Sunflower Seed	7c.
Linseed Meal	4c.	Flax Seed	6c.
Kaffir Corn	3c.	Maw Seed	20c.
Canada Peas	4c.	Rolled Oats	5c.

Cuttle-Fish Bone. 2 for 5c.; lb., 40c.

"Gloria" Song-Restorer Food. This is an imported article which is scientifically proportioned and has been fed with great success. Lb., 10c.

Hollybrook Scratch Food. Contains all white corn; especially recommended for white and black birds. Lb., 3c.; 100 lbs., \$2.35.



Mixed Pigeon Food. Composed of re-cleaned, sound and sweet grains and seeds in a great variety. The 1912 Baltimore Poultry and Pigeon Show was fed with this food. Lb., 3c.; 100 lbs., \$2.50.

Beef Scrap, or Poultry Meat. Berg's Three-Medal. High grade article. 5 lbs., 20c.; 25 lbs., 90c.; 50 lbs., \$1.65; 100 lbs., \$3.00.

Tobacco Stems. Lb., 3c.; Special price on quantity.

Crushed Oyster Shell. Important as an egg-shell maker. 5 lbs., 10c.; 10 lbs., 15c.; 25 lbs., 25c.; 50 lbs., 35c.; 100 lbs., 60c. Two sizes, fine and coarse. Special price on quantity.

Charcoal. Aids digestion and promotes health. No. 3, Fine; C, Medium; F, Coarse. Lb., 5c.; 5 lbs., 20c.; 10 lbs., 35c.; 50 lbs., \$1.00.

EXHIBITION JANUARY 2-6, 1912.

MARYLAND POULTRY AND PIGEON ASSOCIATION
 OF BALTIMORE CITY.

THE MEYER-STISSER CO., Baltimore, Md.

Baltimore, Md., February 24, 1912.

Gentlemen—In reply to your favor of Feb. 21st, I am glad to state that the poultry and pigeon feed that you furnished our Association, which we used in feeding our large display of poultry and pigeons at our last January exhibition, gave excellent satisfaction and produced good results. Every bag of it was fully equal to samples, which we had retained. Very truly yours,

G. O. BROWN, Secretary.

**CONKEY'S
POULTRY REMEDIES.**

- Bronchitis Cure... postpaid, 50c.
- Cholera Cure, postpaid, 25c., 50c.
- Gape Remedy, 50c., postpaid, 60c.
- Limber Neck, 50c., postpaid, 55c.
- Scaly Leg... 25c., postpaid, 30c.
- Healing Salve, postpaid, 25c, 50c.
- Poultry Tonic, 25c., postpaid, 30c.
- Chicken Pox, 50c., postpaid, 60c.
- Worm Cure..... postpaid, 50c.

- Roup Cure..... postpaid, 25c., 50c. and \$1.00.
- Poultry Laxative..... 25c., postpaid, 30c.
- Head Lice Ointment..... postpaid, 10c. and 25c.
- Black Head Remedy..... postpaid, 50c.
- White Diarrhoea Remedy..... postpaid, 50c.
- Rheumatic Cure..... 50c., postpaid, 55c.
- Lice Powder..... Not postpaid, 10c., 25c., 50c. and \$1.00
- Laying Tonic..... Express not paid, 25c. and 50c.
- Lice Liquid. Express not paid. Qt., 35c.; 2 qts., 60c.; 4 qts, \$1.00.
- Noxicide Disinfectant. Express not paid. Pt., 35c.; qt., 60c.; 2 qts., \$1.00; gal., \$1.50.

Chas. T. Cornman's Remedies for Poultry and Pigeons.

- C. T. C. Condition Tablets..... postpaid, 50c.
- C. T. C. Going Light Tablets..... postpaid, 50c.
- "OCULUM." Scientific remedy and preventive for Cholera, Roup, White Diarrhea and Sore Head; also cure for Gapes. Inoculate your fowls and prevent disease. Two sizes, 50c. and \$1.00.

**WHITING'S
ROUPENE**

Positively Cures and Eradicates Roup, Canker, Diphtheritic Roup, Colds, Etc.

PREVENTS CONTAGION QUARANTINE UNNECESSARY

Three sizes, 25c., 50c. and \$1.00.

Model Salt Cat Brick. For poultry and pigeons. Cake, 15c.

Pratts Poultry Regulator. The best and most famous poultry tonic in the world. Keeps fowls of all kinds healthy, increases egg-production, aids moulting. Makes little chicks grow rapidly. In packages, 10c., 25c., 50c.; 12 lb. pail, \$1.25; 25 lb. pail, \$2.50.

Pratts Baby Chick Food. A scientific ration for the successful raising of young chicks. To be fed exclusively the first two or three weeks. Pkg., 10c., 25c.; 6½ lb., 50c.

- Pratts Roup Cure. Guaranteed article..... postpaid, 25c. and 50c.
- Pratts Gape Remedy. Unfailing remedy..... " 25c. and 50c.
- Pratts Cholera Remedy. Guaranteed..... " 25c. and 50c.
- Pratts White Diarrhoea Remedy. Guaranteed..... " 25c. and 50c.
- Pratts Head Lice Ointment. Also for scaly leg. " 10c. and 25c.
- Pratts Lice Powder..... Packages, 10c., 25c. and 50c.
- Pratts Lice Liquid..... Qt., 35c.; 2 qts., 60c.; gal., \$1.00.

Macnair's Chicken Powder kills hawks, crows, owls, minks, rats, foxes, and all carnivorous animals and birds. Best remedy for cholera, gapes, roup, indigestion and leg weakness. Keeps them free from vermin, thereby causing them to produce an abundance of eggs. Fully \$100,000 are lost every year by the farmers, on account of the ravages of hawks, crows, owls and minks. This loss is needless. Feed your chicks on Macnair's Chicken Powder, and if these barnyard pests eat a chick which has been fed on it, they will surely die. Pkg., 25c., 50c. and \$1.00.



Sterlingworth White Diarrhoea Remedy. 50c.

"American" Turkey Powder. The scientifically mixed powder for young turkeys, as well as for fattening turkeys for killing. Pkg., 25c.

Valentine Gape Remedy. Box, 25c.

Crystalline Carbonate of Lime. For disinfecting. Box, 10c.

There's only one safe, sure, and economical way to rid your poultry and poultry house of all vermin, and this is by using Lee's Lice Killer, the kind that is always good; destroys all vermin—lice, mites, jiggers, bed-bugs, etc., whether in the poultry house or on the bodies of the fowls, and does its work thoroughly and effectively.



Qt., 35c.; ½ gal., 60c.; gal., \$1.00.



Lee's Egg Maker should be fed every month in the year to all penned-up poultry; to little chicks after they are 10 days old, to hens and pullets during the moulting season; and as an egg-producer during the winter months. We guarantee it can be fed to the exclusion of all other forms of meat food at less feeding cost (50 feeds for 1 cent). 25-lb. pail, \$2.00; 12 lb., \$1.25; 5½-lb. pkg., 50c.; 2½-lb. pkg., 25c.

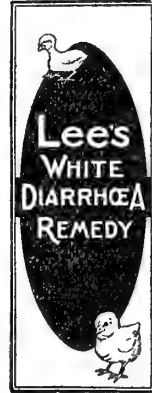


Lee's White Diarrhoea Remedy. The best medicine for this disease so common to chicks. 12 oz. bottle, 50c.

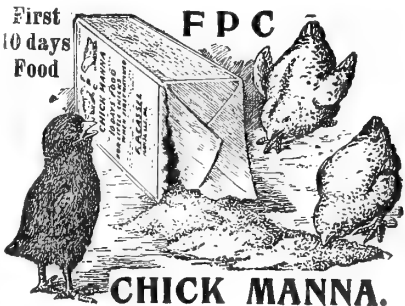
Lee's Insect Powder. Is the round package in red and yellow. It is entirely different in appearance and equally different in effectiveness from the other insect poisons offered in powder form. It is not difficult to make a poison for insects. Herein is where Lee's product is superior to others, as it is an effective destroyer of vermin and absolutely harmless to the chick. In large sprinkler-top cans and sold at 25c. and 50c.

Lee's Head Lice Ointment. For baby chicks and setting hens; fine for scaly leg. 15c. can.

French Poultry Mustard. 1½ lb. box, 35c.; 5, 10 and 25 lb. pkgs. at 20c. lb.



Chick Manna. Every poultry raiser should understand the value of this feed for starting the chicks and turkeys strong, vigorous, healthy, and well developed. It is specially prepared for bringing the frail little creatures through a most critical period—the first 10 days—by regulating and strengthening their fine and tender organs, and thereby being better able to withstand the diseases they are subject to. Is a complete food in every respect requiring nothing more for the first 10 days than Chick Manna. Lb. pkg., 10c.; 5 lb. pkg., 40c.; 15 lb. pkg., \$1.10; 60 lb. bulk case, \$4.20; 100 lb. bulk case, \$7.00.



Pratts Animal Regulator. The best thing to keep horses, cows, swine, sheep, etc., in perfect condition. Pkg., 25c. and 50c.; 12 lb. bag, 75c.; 25 lb. bag, \$1.50.

- Pratts Worm Powder..... 50c.
- Pratts Heave Cure..... 50c.
- Pratts Colic Cure..... 25c.
- Pratts Liniment..... 25c.
- Pratts Hoof Ointment..... 25c.



- Cal-Sino Poultry Restorative. Pkg., 25c.
- Cal-Sino Hog Restorative. Price, 50c.
- Cal-Sino Liniment. Price, 50c.
- Cal-Sino Antiseptine. Price, 50c.
- Cal-Sino Febrile Tonic. Price, \$1.00.

Also numerous veterinary remedies—send 2-cent stamp for 58 page book on live stock, etc.



Rat Corn. Pkgs., 15c., 25c., 50c. and \$1.00.

Young's Rat Destroyer. Price, 25c.



"Zenoleum" Lice Powder. To destroy vermin on poultry and live stock. This is designed with special care, and is an ideal powder lice killer. It is used to destroy lice on poultry and to destroy mites; to remove fleas from dogs and lice from horses and cattle. Price, 25c. a box.

"Zenoleum" Disinfectant Animal-Dip Lice-Killer. One gallon of "Zenoleum" makes 100 gallons of positive disinfectant and germicide. Won't

poison; won't hurt you; won't explode or burn. Kills vermin. Cures skin trouble. Invaluable as a remedy for diseases of poultry and all live stock. Kills lice and cures mange. Disinfects incubators. Look for the red and green label.



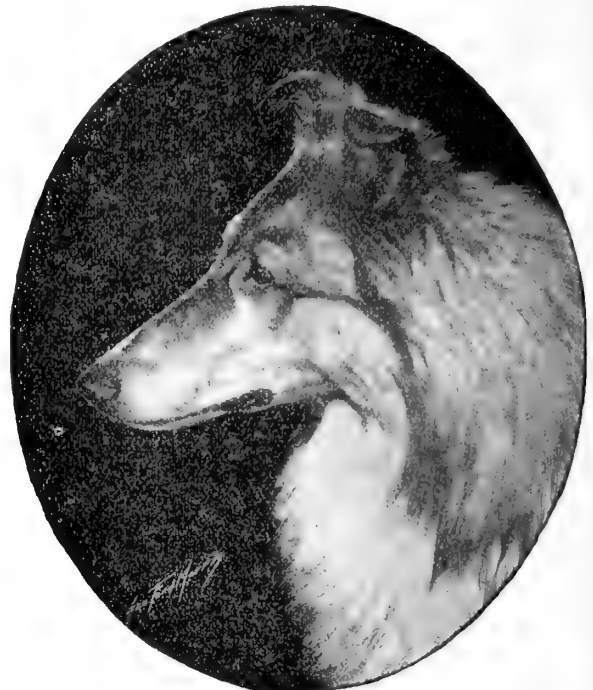
8 ozs. makes 6 gal. of fluid, 25c. 1 gal. makes 100 gal. of fluid, \$1.50
 1 qt. " 25 " 50c. 5 gal. " 500 " 6.25

"CHEMO." The great insect and germ destroyer. Destroys absolutely, the larvae or eggs of all insect life. This fact is of the greatest value. Non-poisonous. Overcomes infectious diseases. Destroys parasites. Can be sprayed directly on eggs without affecting the germ. A thorough disinfectant, deodorizer, germicide and antiseptic. Guaranteed to give better satisfaction, at less cost in the end, than any other preparation made. The last Annual Baltimore Poultry Show was disinfected with "Chemo." Qt., 60c.; 1 gal., \$2.00; 10 gal., \$17.50; 30 gal., \$49.50; 50 gal., \$75.00.

Compressed Air Sprayer free with five-gallon order or over.
Spratt's Dog Remedies carried in stock. Send for "Dog Culture Book."

Spratt's Meat Fibrine Vegetable Dog Cakes. The standard dog food. Used at the leading kennels and dog shows throughout the world. A staple food for all breeds. Price, lb., 10c.; 3 lb., 25c.; 10 lb., 75c.; 100 lb., \$6.50.

Spratt's Puppy Biscuits. The standard puppy food. A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old and they should be continued until such time as their teeth become sound and strong, usually when about six months old. Price, lb., 10c.; 3 lb., 25c.; 10 lb., 75c.; 100 lb., \$7.00.



Conner's "Ready-To-Feed" Cooked Dog Food. Realizing the great demand for a dog food that is strong in protein. I have been experimenting and feeling a new food for the last two years in my kennels which I claim is double the strength in protein of any other food on the market, except Conner's Cooked Dog Food. This new food is 28.69% protein which, according to scientists, is the greatest muscle and tissue builder we have. This food is 25% specially selected, the very best that can be bought, Pressed Ground Meat and 75% of Conner's Malted Cooked Cereals. This food is already to feed and does not require any mixing if you wish to feed it dry, but I prefer feeding it a little moist as the dog does not waste so much and eats it up cleaner. This food averages from 27½% to 29½% protein and I know it is the very best food on the market to-day.

The following is an analysis of Conner's "Ready-To-Feed" Cooked Dog Food that was made at the University of Michigan: Moisture, 7.76%; Ash, 4.52%; Ether extract (fat), 4.79%; Protein, 28.69%; Starch and soluble carbohydrate, 48.81%; Crude Fibre, 2.09; Undetermined, 3.34%. Total, 100%. Price, lb., 5c.; 100 lb., \$4.00.

PRACTICAL POULTRY BOOKS. (All postpaid.)

- The Orpington..... \$.75
- Rhode Island Reds..... .75
- Successful Poultry Keeping..... 1.00
- Artificial Incubating and Brooding..... .50
- The Plymouth Rocks, Wyandottes, Leghorns, each..... 1.00
- Asiatics..... .50
- Eggs and Egg Farms..... .50
- Poultry House and Fixtures..... .50
- Chick Book..... .50
- Ducks and Geese..... .75
- Turkeys, Their Care and Management..... .75
- Bantam Fowl..... .50
- Reliable Poultry Remedies..... .25
- Egg Record and Account Book..... .25
- Poultry Guide Post (tells how and when to do it)..... 1.00
- Million Egg Farm Book..... 1.00
- Eggs the Year Around..... .15

The Standard Book of Perfection. Everybody who raises poultry should have one of these books. Price, \$2.00, not postpaid.

This is one of the thousands of testimonial letters which we receive daily: Gentlemen—Since I have been raising chickens I have tried several different kinds of feeds, but I must say that the Park & Pollard Feeds sold by you are the best. I don't have the time to attend to my fowls as I would like, but with ordinary care only in February I gathered 762 eggs from sixty pullets at most eight months old.
 Respectfully,
 JAMES R. STEWART, Clerk of the Circuit Court, for Somerset County.

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WEIGHT OF AGRICULTURAL SEEDS, PER BUSHEL, AND QUANTITY USUALLY SOWN PER ACRE.

Weight per Bushel.	Quantity per Acre.
14 lbs.	Kentucky Blue..... 35 lbs.
32 lbs.	Red Top, fancy..... 8 to 10 lbs.
14 lbs.	Orchard Grass..... 42 lbs.
24 lbs.	English Rye, or Perennial Rye..... 40 lbs.
22 lbs.	Meadow Fescue..... 50 lbs.
12 lbs.	Sheep Fescue..... 30 lbs.
7 lbs.	Meadow Foxtail..... 30 lbs.
21 lbs.	Created Dog's Tail..... 25 lbs.
14 lbs.	Wood Meadow..... 30 lbs.
20 lbs.	Creeping Bent..... 50 lbs.
10 lbs.	Tall Meadow Oat..... 50 lbs.
45 lbs.	Timothy, alone..... 1/4 bu.
	Timothy, with other grasses..... 8 lbs.
60 lbs.	Alsike, alone..... 6 lbs.
60 lbs.	Alfalfa, or Lucerne..... 20 lbs.
60 lbs.	White Clover, alone..... 6 lbs.
	White Clover, with other grasses..... 3 lbs.
20 lbs.	Roland Park Lawn Grass..... 3 1/2 bu.
60 lbs.	Crimson Clover..... 15 to 20 lbs.
50 lbs.	German Millet..... 50 lbs.
50 lbs.	Hungarian Millet..... 50 lbs.
60 lbs.	Red Clover..... 15 lbs.
	Red Clover..... } together for 4 lbs.
	Timothy..... } one acre. 7 lbs.
	Red Top..... } 4 lbs.
60 lbs.	Wheat, broadcast..... 1 1/2 to 2 bu.
	Wheat, in drills..... 1 1/2 to 2 bu.
56 lbs.	Rye, broadcast..... 1 bu.
32 lbs.	Oats, broadcast..... 2 to 2 1/2 bu.
48 lbs.	Sorghum, drills..... 4 qts.
	Sorghum, broadcast..... 8 qts.
56 lbs.	Field Corn, in hills..... 4 qts.
56 lbs.	• Corn, for soiling..... 1 to 2 bu.
60 lbs.	Vetches, broadcast..... 1 bu.
48 lbs.	Barley, broadcast..... 2 bu.
	Broom Corn, in hills..... 6 to 8 qts.
48 lbs.	Buckwheat, broadcast..... 1 bu.
	Teosinte, in hills..... 1 to 3 lbs.

VEGETABLE SEED TABLE. THE QUANTITY OF SEED USUALLY SOWN TO AN ACRE.

Asparagus..... 5 lbs.
Beans, dwarf, in drills..... 1/2 to 3/4 bu.
Beans, pole, in hills..... 8 to 10 qts.
Beet, in drills..... 4 to 6 lbs.
Cabbage, in beds, to transplant..... 1/4 lb.
Cantaloupe..... 1 1/2 to 2 lbs.
Carrot, in drills..... 2 to 3 lbs.
Celery, to transplant..... 1/2 lb.
Corn, in hills (sugar)..... 4 qts.
Kale..... 4 to 6 lbs.
Mustard, broadcast..... 12 to 16 lbs.
Mangelwurzel..... 4 to 6 lbs.
Onions, in drills to make large Onions..... 6 to 8 lbs.
Onion Seeds, for small sets..... 40 to 60 lbs.
Parsnips, in drills..... 4 to 6 lbs.
Peas, early, in drills..... 1 1/4 bu.
Peas, Marrowfat, in drills..... 1 3/4 bu.
Peas, broadcast..... 2 to 3 bu.
Potato, cut tubers in drills..... 8 to 11 bu.
Radish, in drills..... 6 to 8 lbs.
Radish, broadcast..... 10 lbs.
Salsify, in drills..... 6 to 8 lbs.
Spinach, in drills..... 12 to 20 lbs.
Squash, bush varieties, in hills..... 4 to 6 lbs.
Squash, running varieties, in hills..... 3 to 4 lbs.
Turnip, in drills..... 1 lb.
Turnip, broadcast..... 2 lbs.
Tomato, to transplant..... 1/4 lb.
Watermelon..... 2 to 3 lbs.

QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS, OR LENGTH OF DRILLS.

Asparagus..... 1 oz. to 50 ft. drill	Dwarf Beans..... 1 qt. to 100 ft. drill
Beet..... 1 oz. to 50 ft. drill	Leek..... 1 oz. to 100 ft. drill
Celery..... 1 oz. to 100 ft. drill	Pole Beans..... 1 qt. to 150 hills
Carrot..... 1 oz. to 100 ft. drill	Corn..... 1 qt. to 200 hills
Endive..... 1 oz. to 150 ft. drill	Cucumber..... 1 oz. to 50 hills
Egg Plant..... 1 oz. to 300 ft. drill	Watermelon..... 1 oz. to 30 hills
Lettuce..... 1 oz. to 150 ft. drill	Cantaloupe..... 1 oz. to 60 hills
Okra..... 4 oz. to 100 ft. drill	Pumpkin..... 1 oz. to 40 hills
Onion..... 1 oz. to 100 ft. drill	Early Squash..... 1 oz. to 50 hills
Onion Sets, small..... 1 qt. to 100 ft. drill	Marrow Squash..... 1 oz. to 16 hills
Parsley..... 1 oz. to 150 ft. drill	Cabbage..... 1 oz. seed will produce 2000 plants
Parsnip..... 3 oz. to 100 ft. drill	Caulif r..... 1 oz. seed will produce 2000 plants
Radish..... 2 oz. to 100 ft. drill	Celery..... 1 oz. seed will produce 3000 plants
Salsify..... 1 oz. to 70 ft. drill	Egg Plant..... 1 oz. seed will produce 1000 plants
Spinach..... 2 oz. to 100 ft. drill	Lettuce..... 1 oz. seed will produce 3000 plants
Turnip..... 1 oz. to 150 ft. drill	Pepper..... 1 oz. seed will produce 1000 plants
Peas..... 1 qt. to 100 ft. drill	Tomato..... 1 oz. seed will produce 1500 plants

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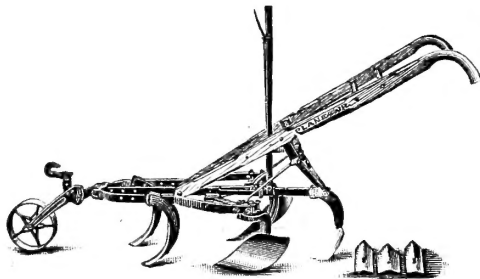


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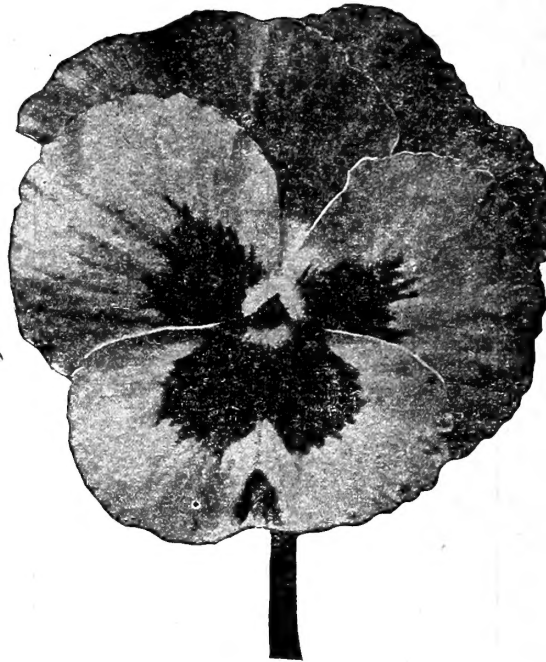
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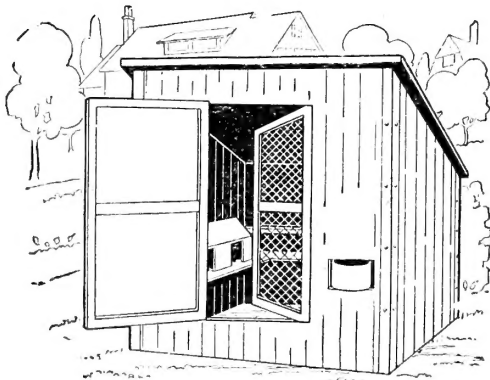
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